

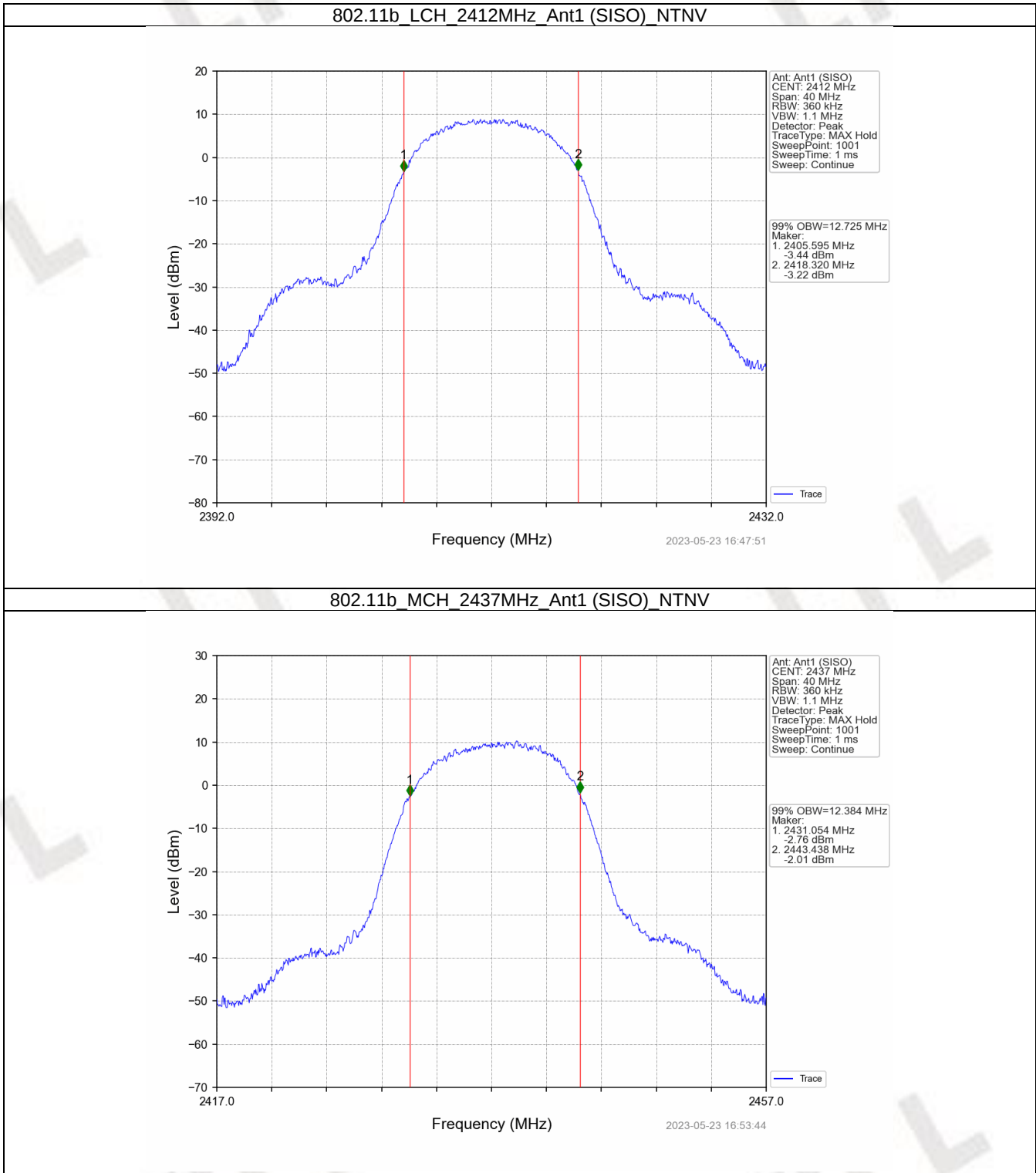
1. Bandwidth

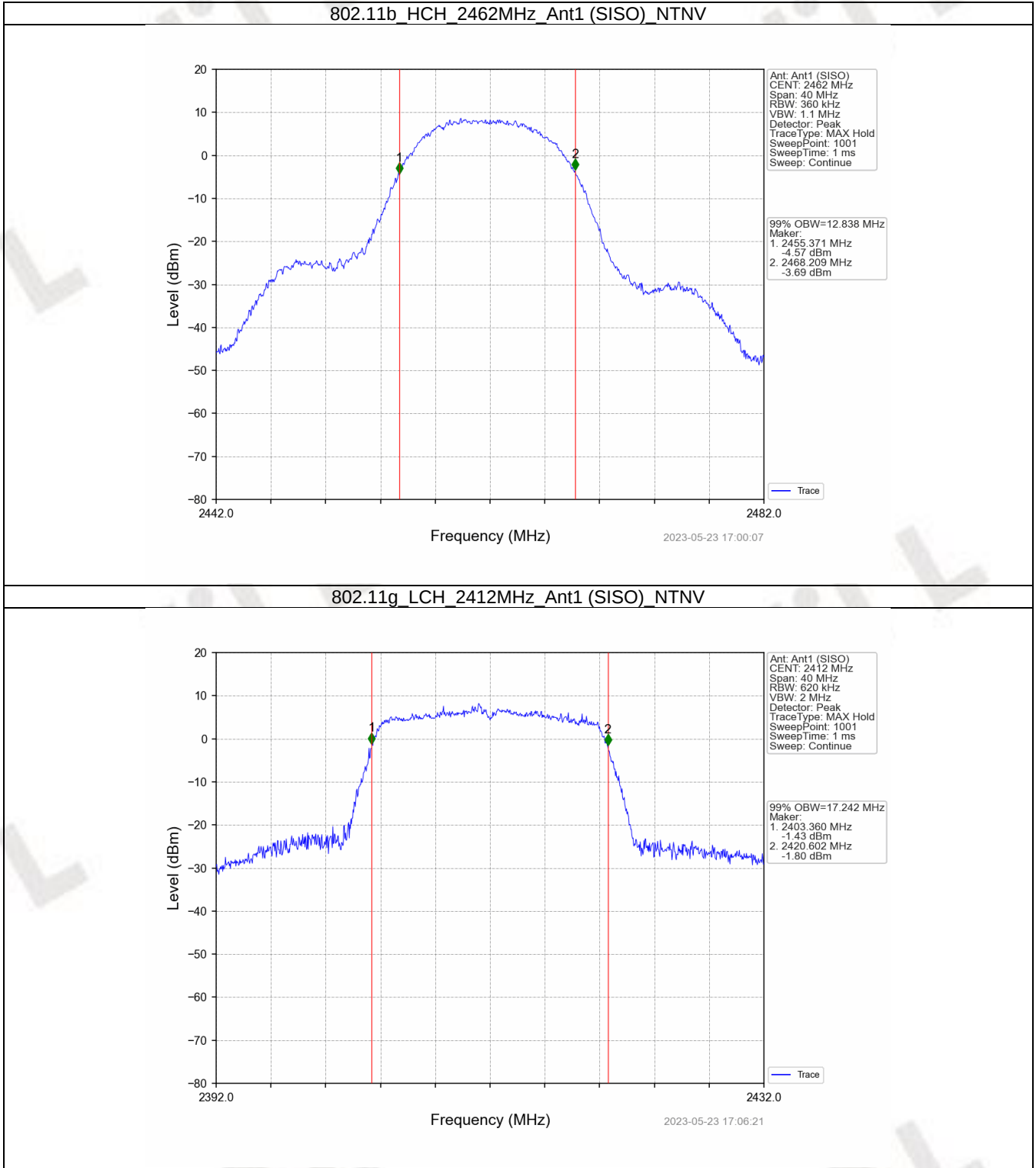
1.1 OBW

1.1.1 Test Result

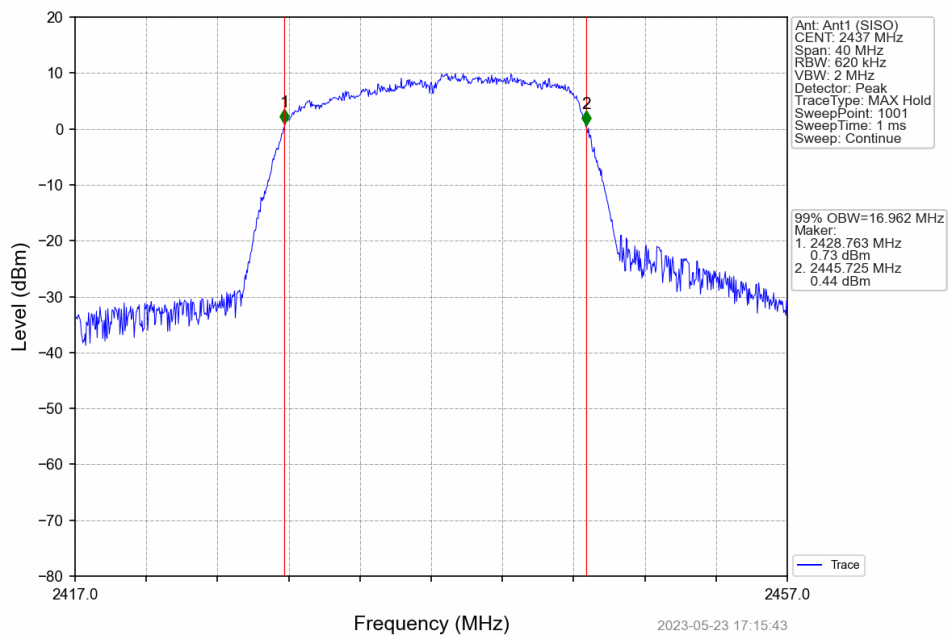
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	12.725	Pass
		2437	1	12.384	Pass
		2462	1	12.838	Pass
802.11g	SISO	2412	1	17.242	Pass
		2437	1	16.962	Pass
		2462	1	17.311	Pass
802.11n (HT20)	SISO	2412	1	18.365	Pass
		2437	1	17.916	Pass
		2462	1	18.128	Pass
802.11n (HT40)	SISO	2422	1	36.928	Pass
		2437	1	35.704	Pass
		2452	1	35.507	Pass

1.1.2 Test Graph

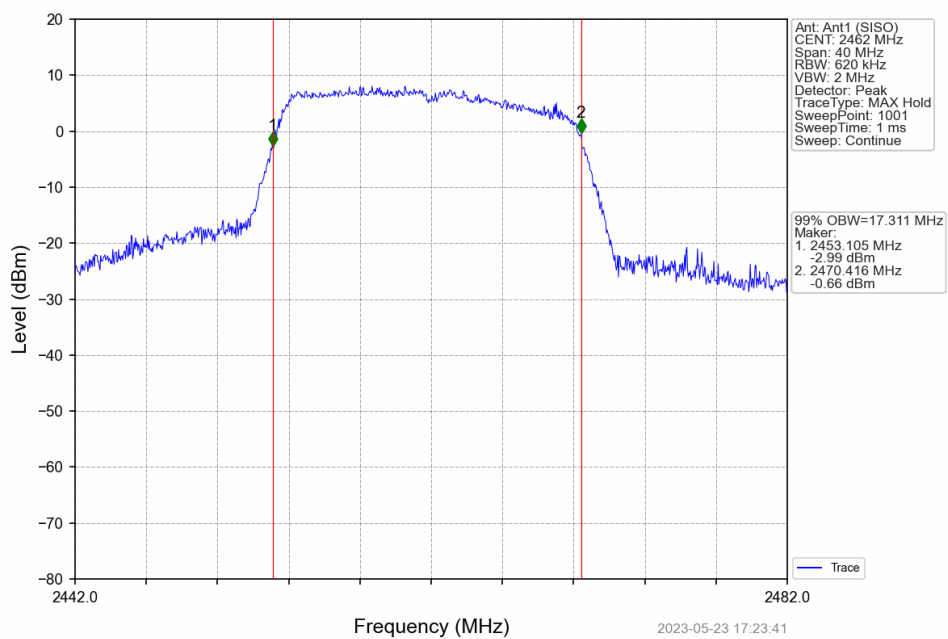




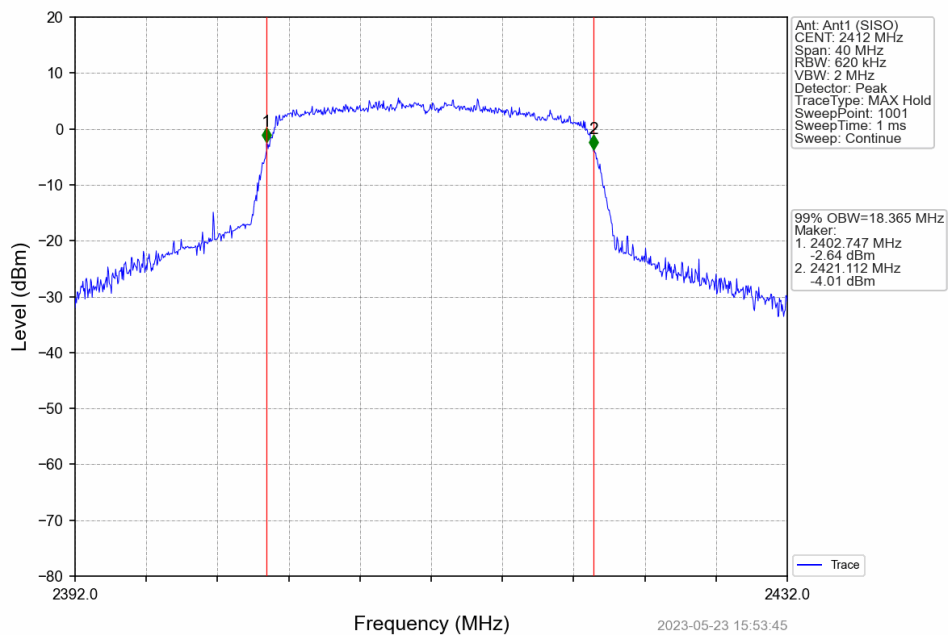
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



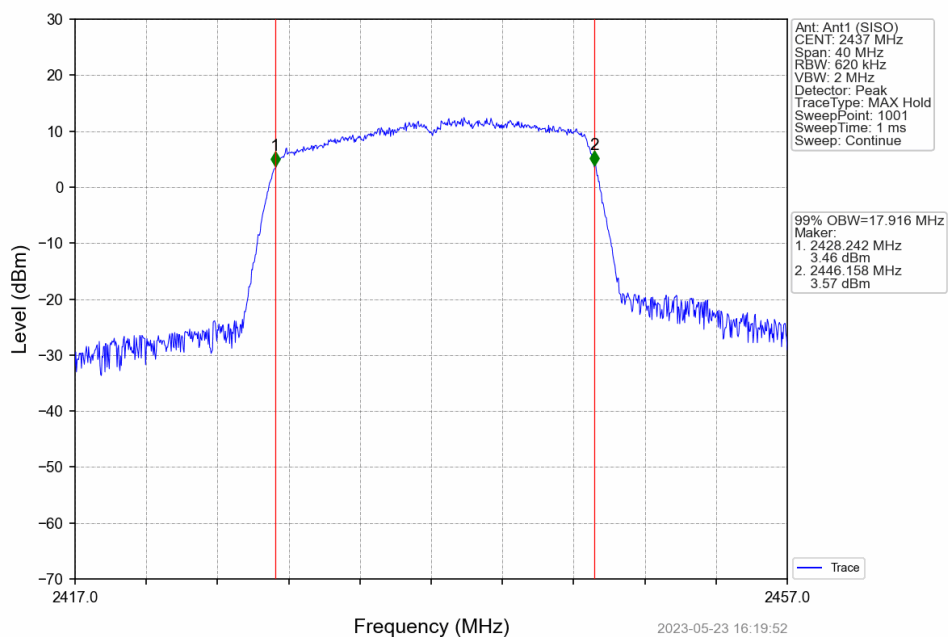
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

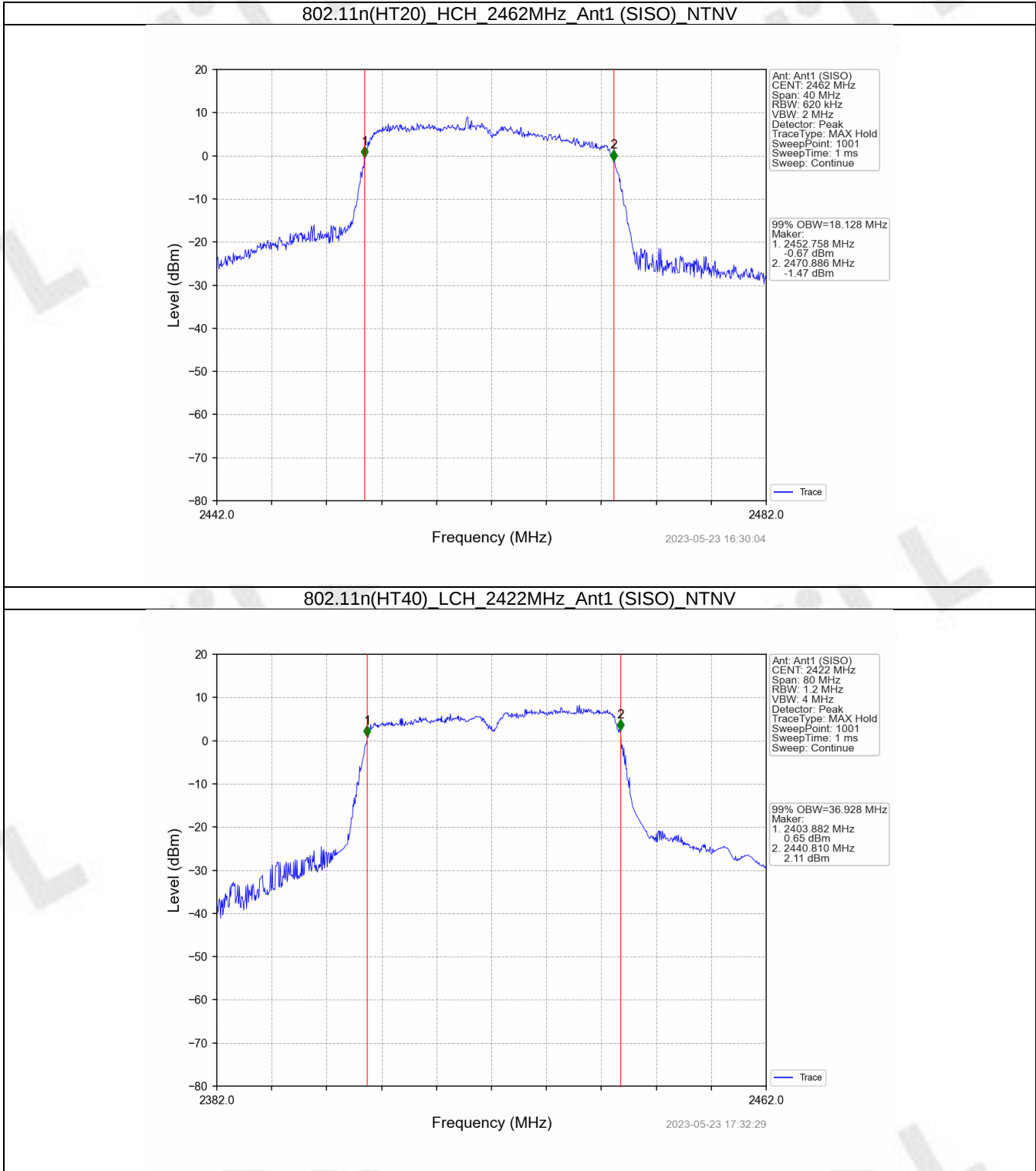


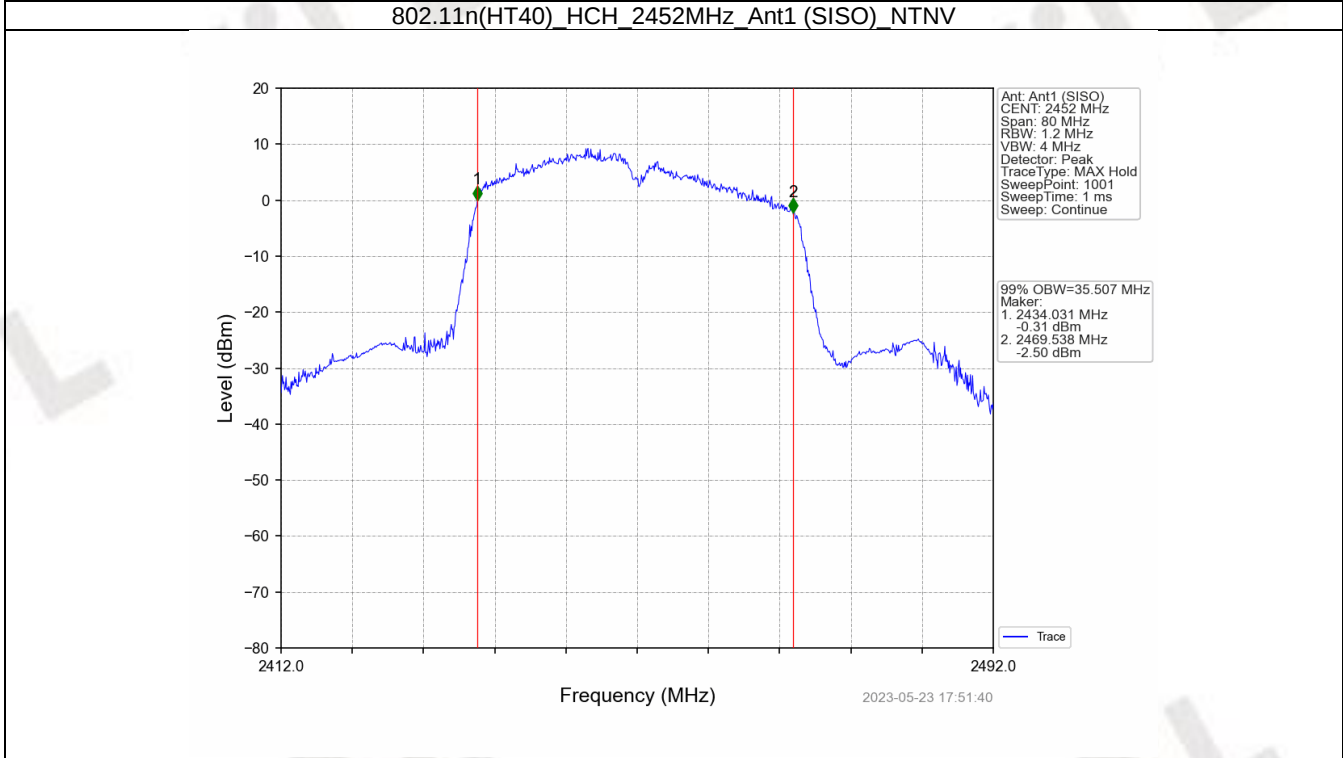
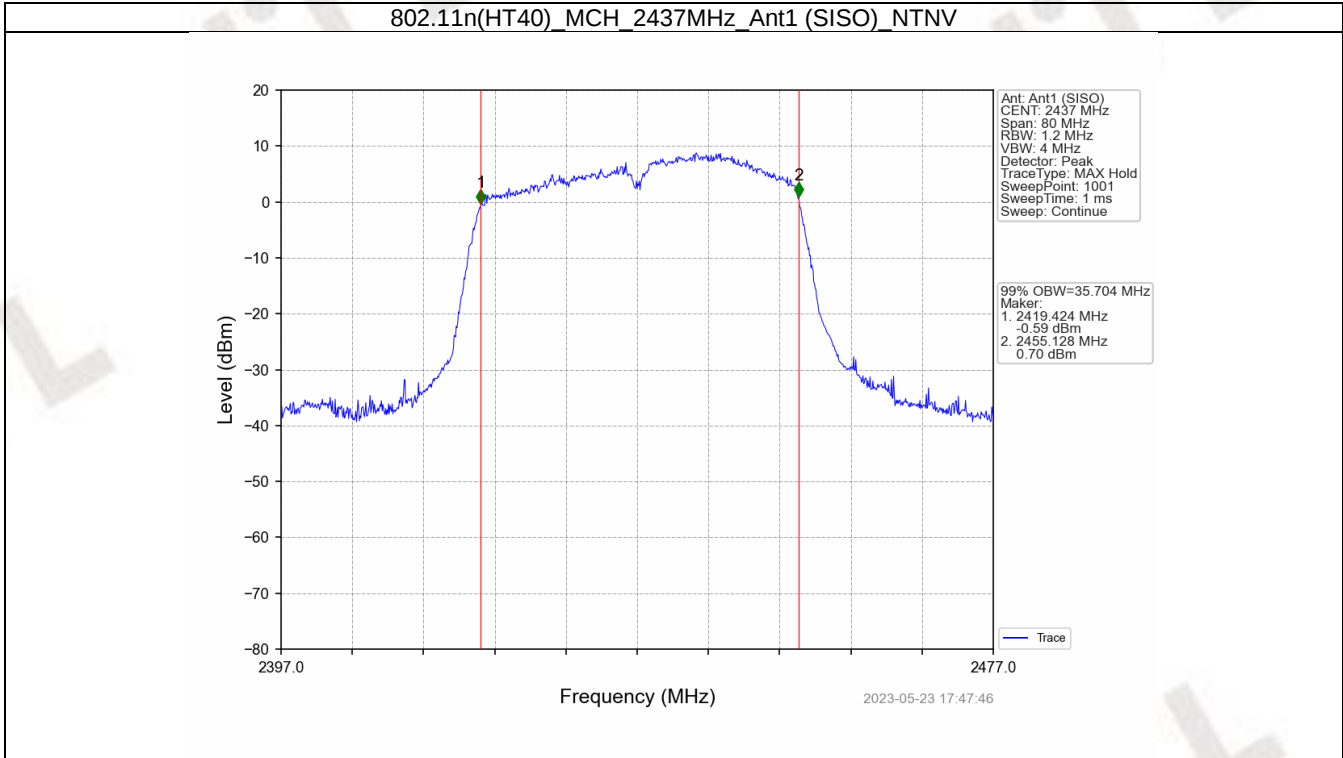
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





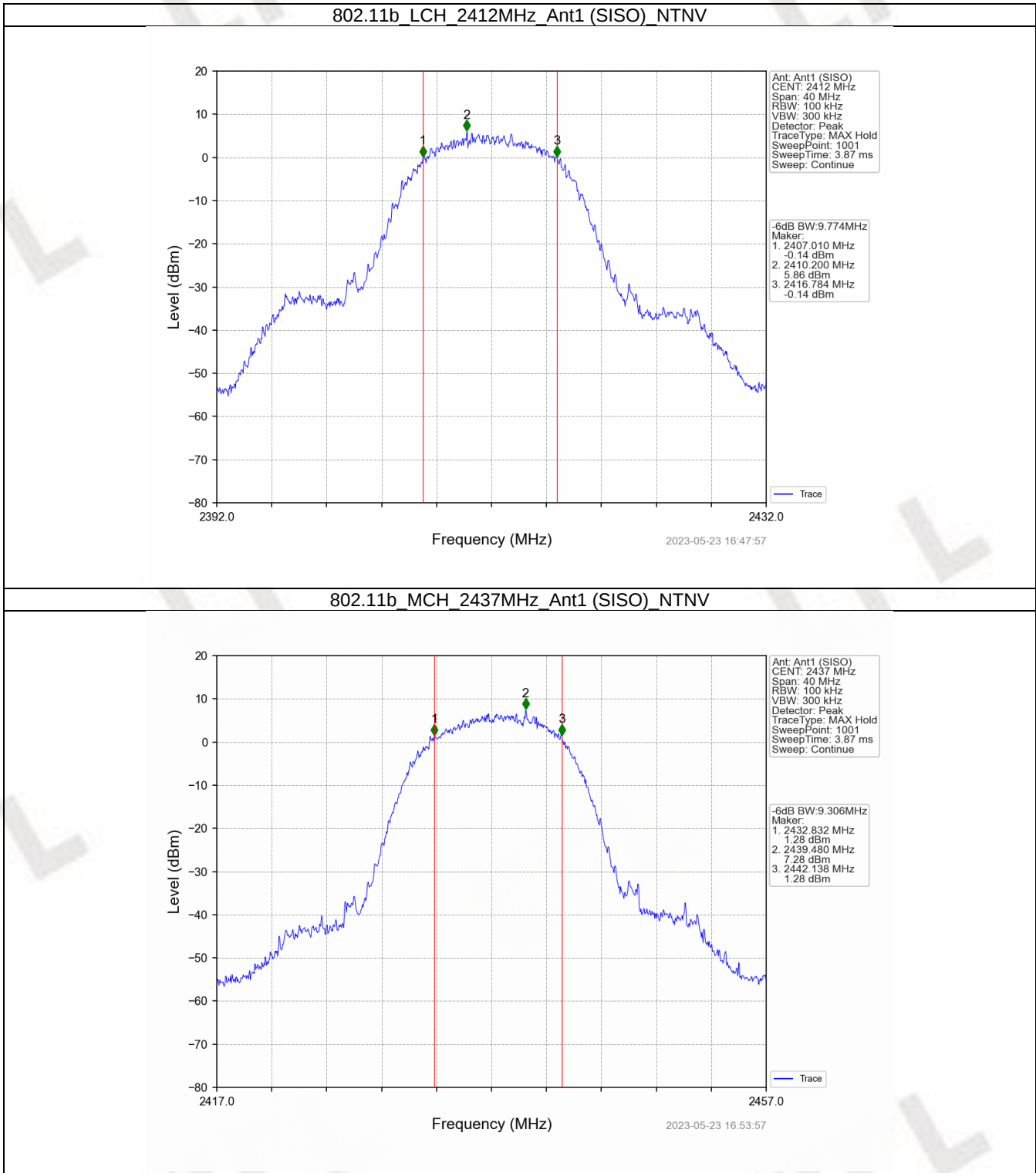


1.2 6dB BW

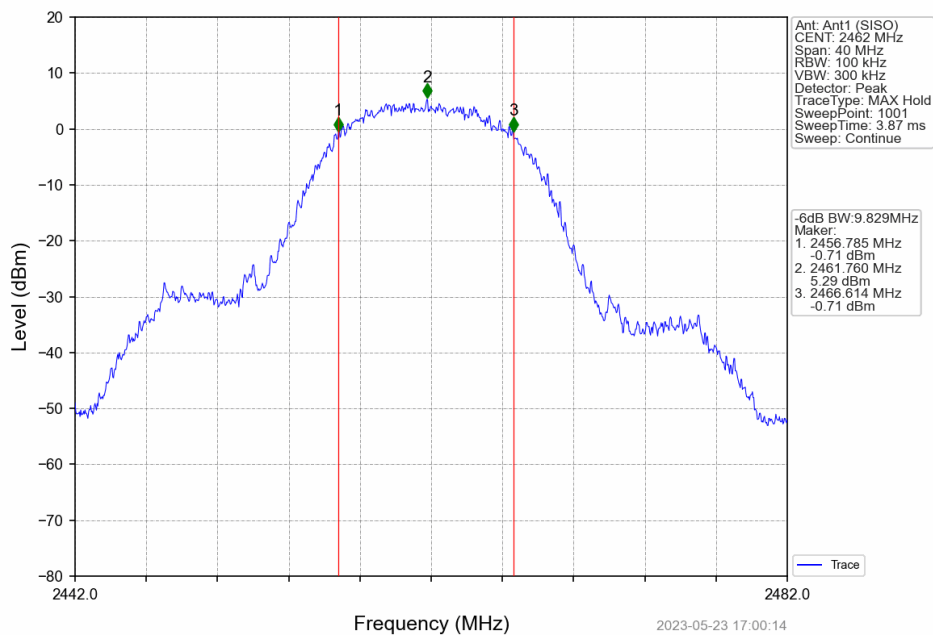
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.774	≥ 0.5	Pass
		2437	1	9.306	≥ 0.5	Pass
		2462	1	9.829	≥ 0.5	Pass
802.11g	SISO	2412	1	16.452	≥ 0.5	Pass
		2437	1	15.789	≥ 0.5	Pass
		2462	1	15.848	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.167	≥ 0.5	Pass
		2437	1	16.413	≥ 0.5	Pass
		2462	1	17.057	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.833	≥ 0.5	Pass
		2437	1	33.865	≥ 0.5	Pass
		2452	1	26.314	≥ 0.5	Pass

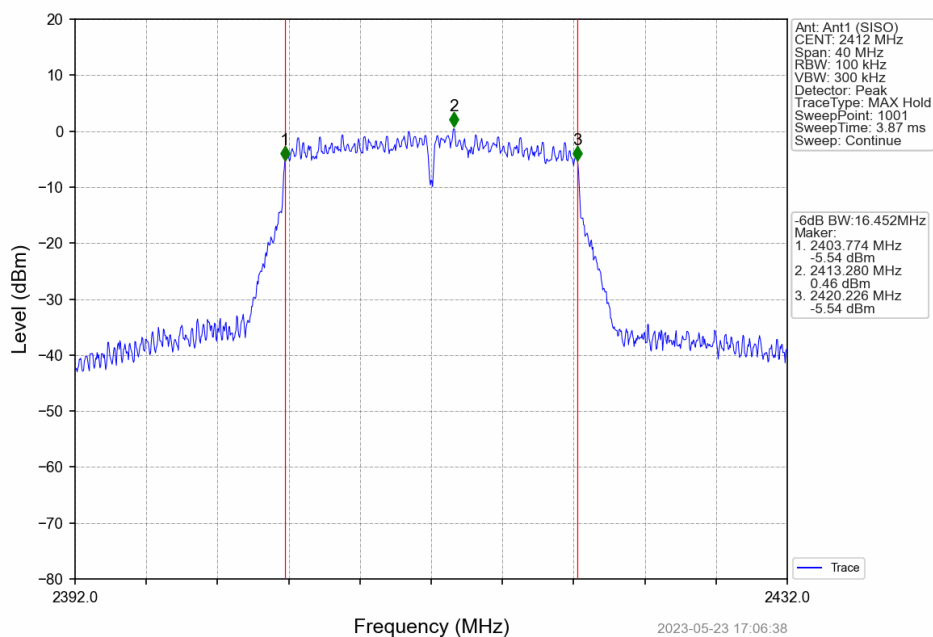
1.2.2 Test Graph

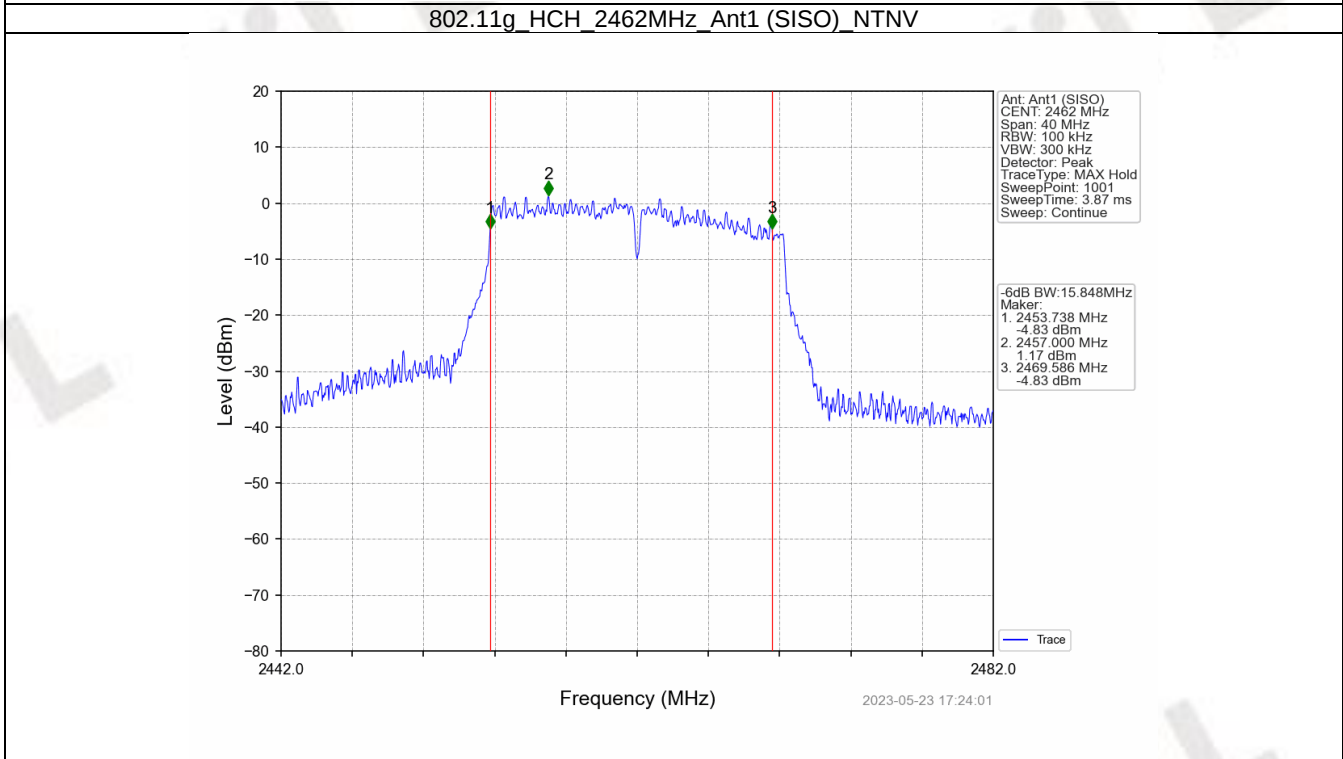
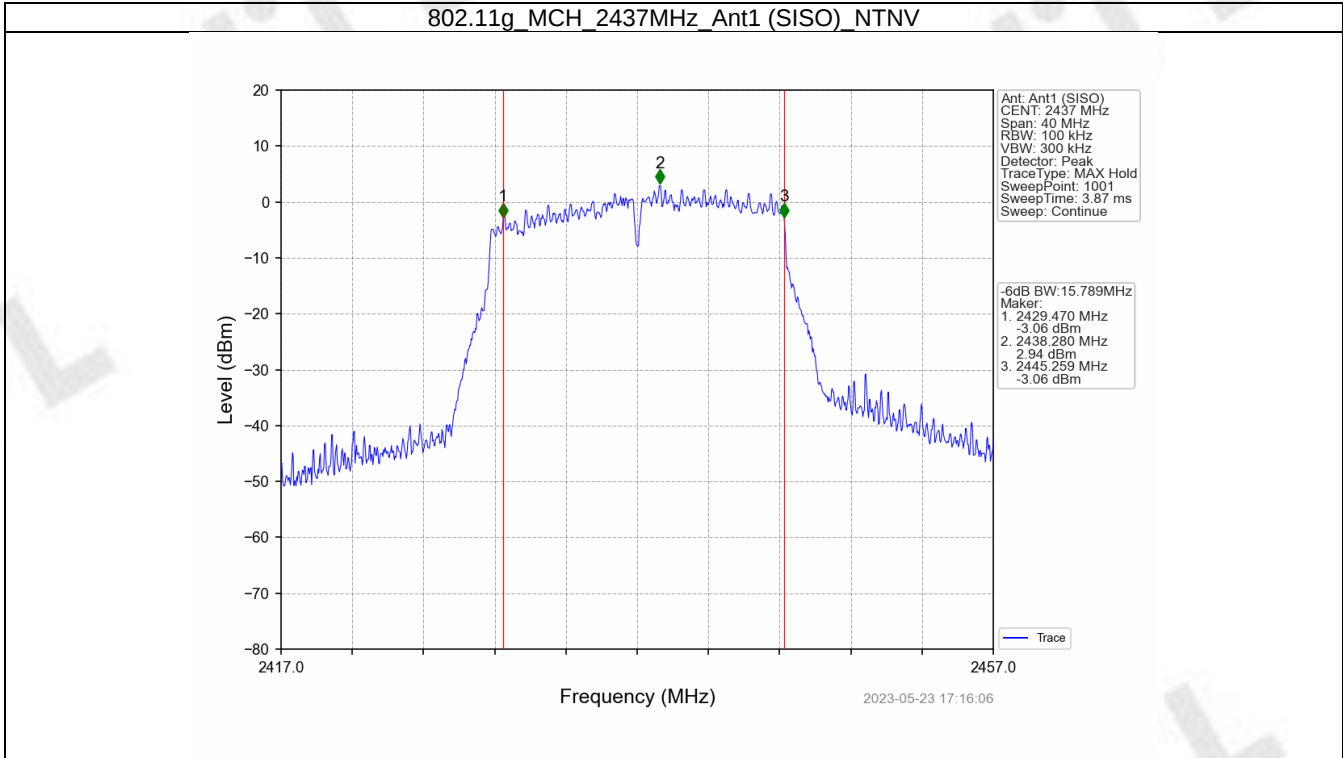


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

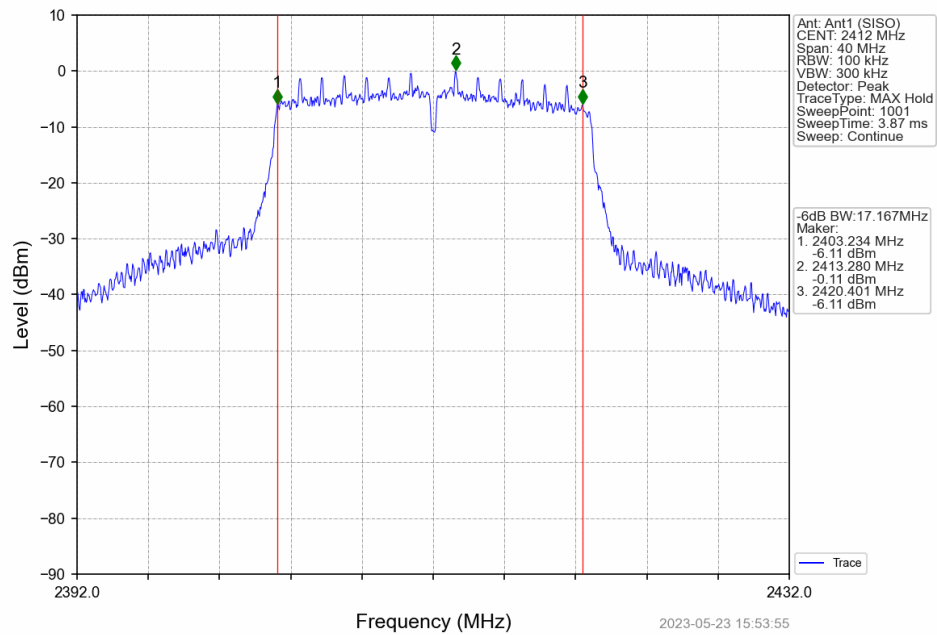


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

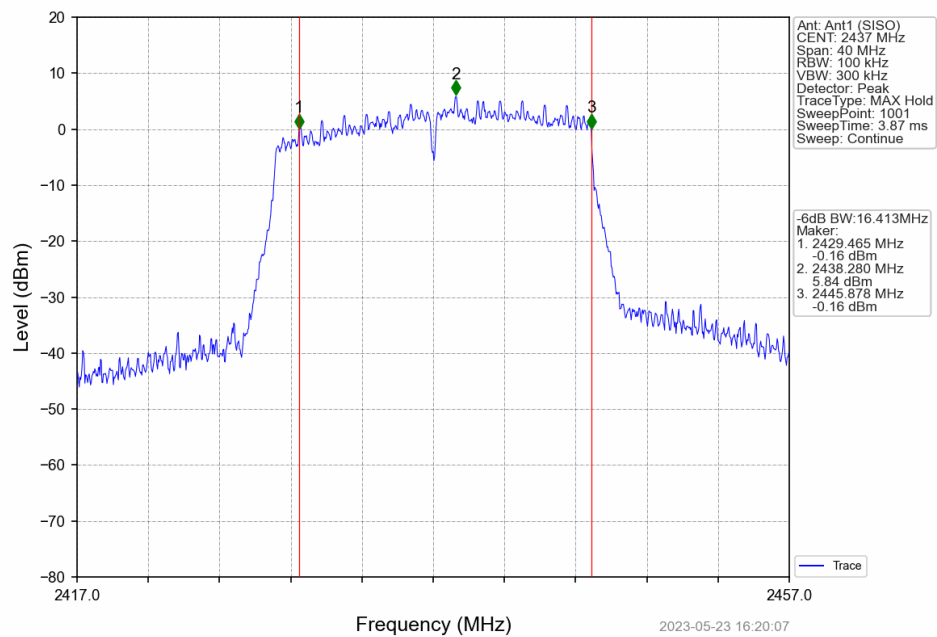


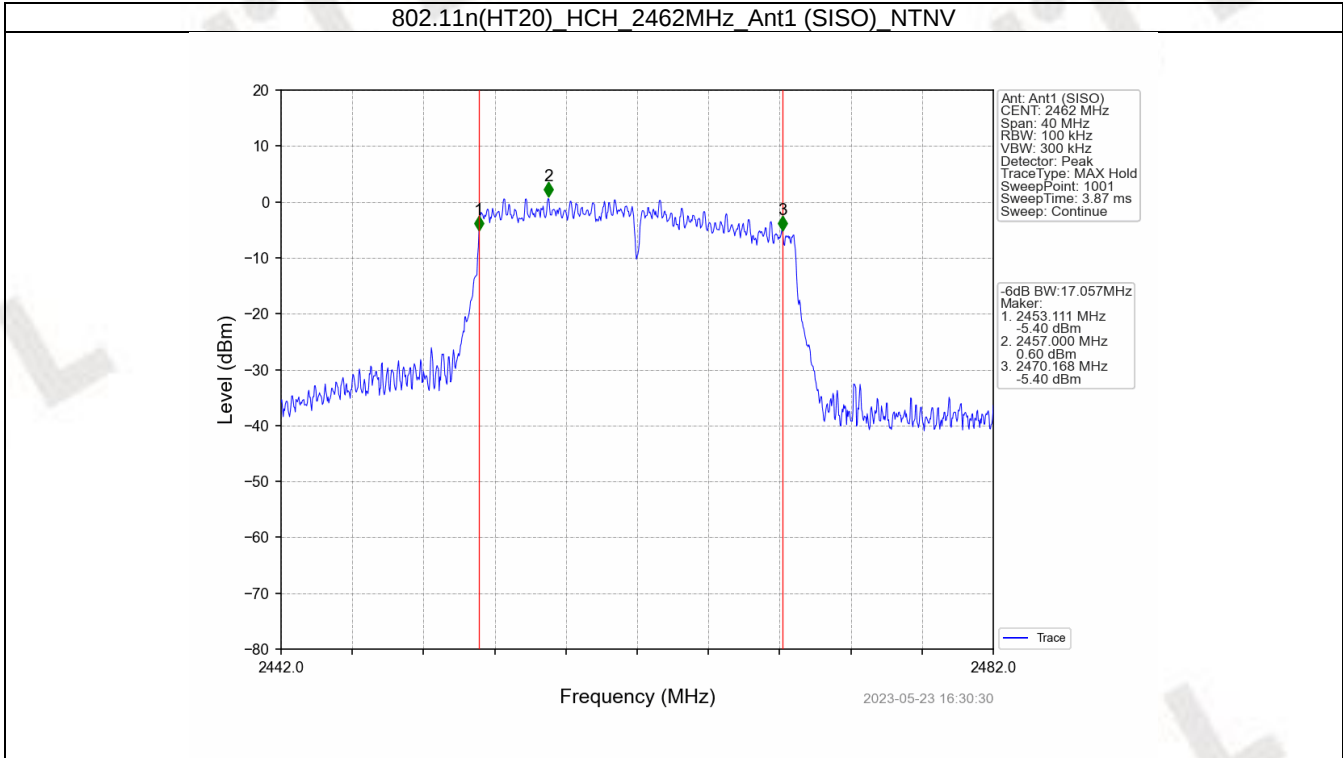


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

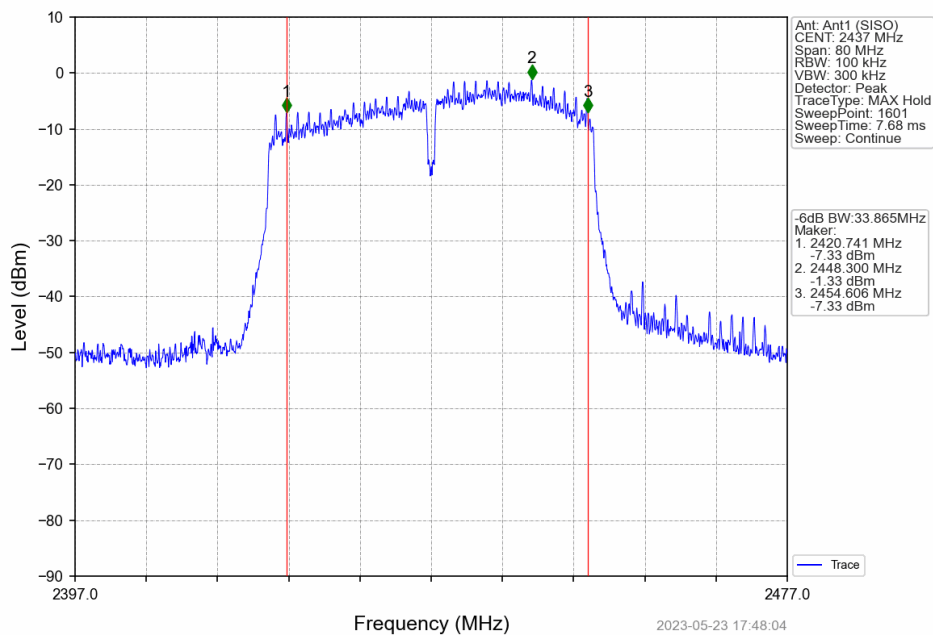


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

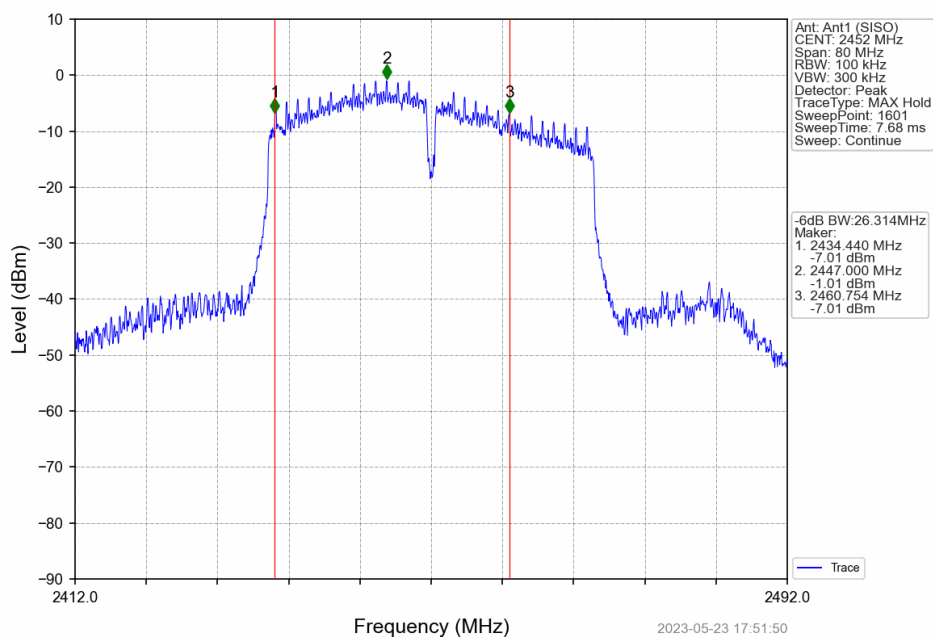




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

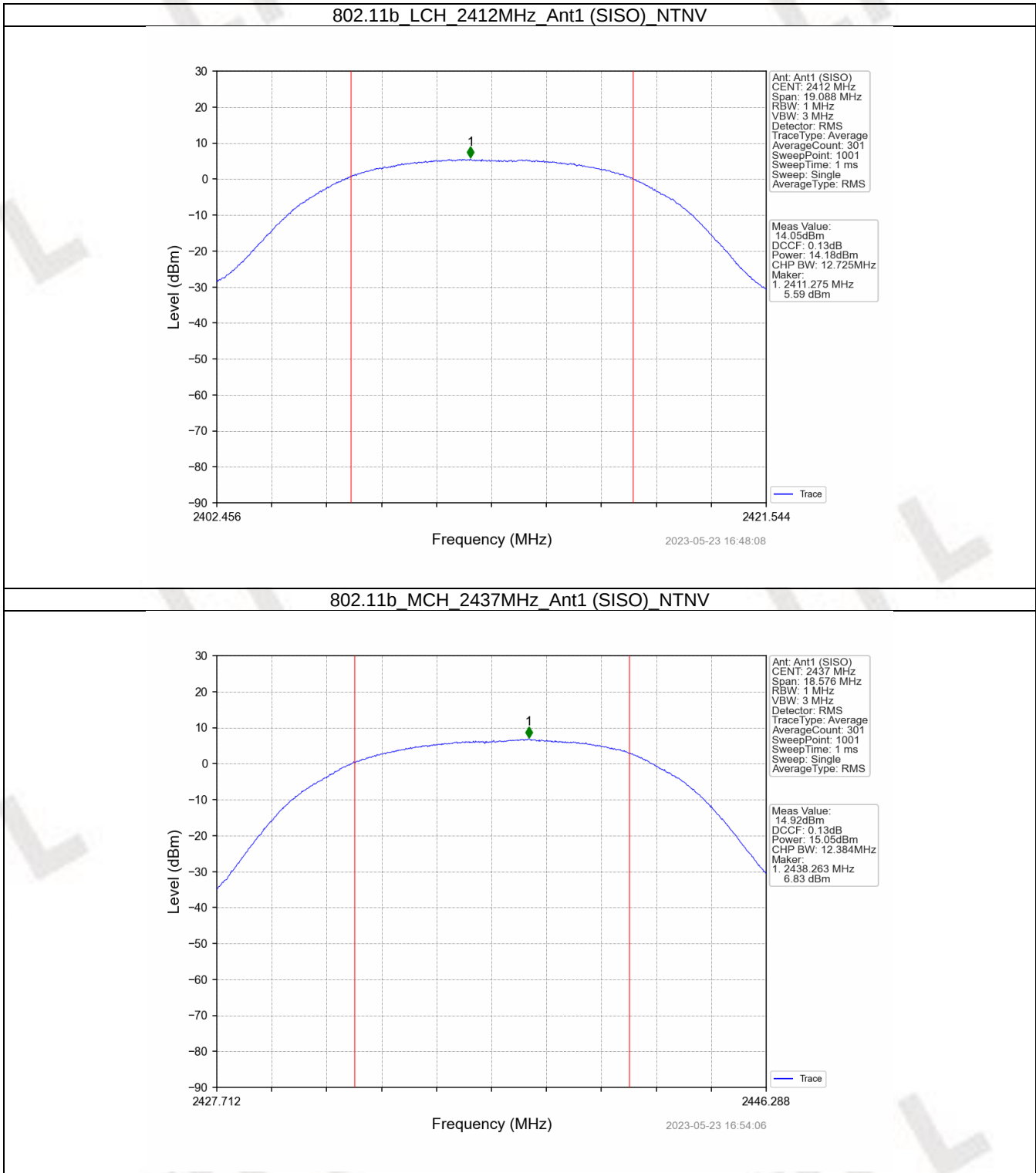
2.1 Power

2.1.1 Test Result

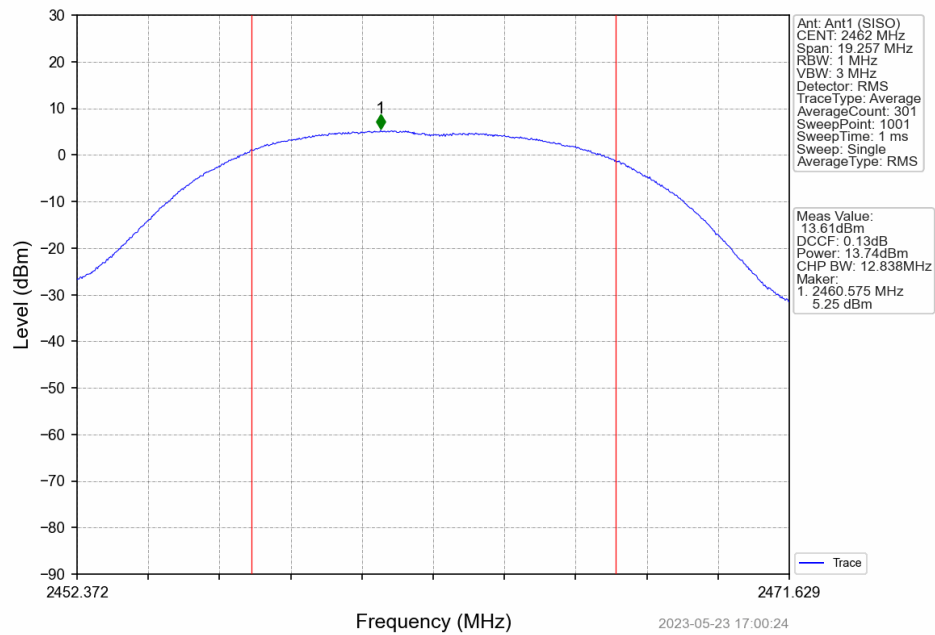
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	14.18	<=30	Pass
		2437	15.05	<=30	Pass
		2462	13.74	<=30	Pass
802.11g	SISO	2412	10.69	<=30	Pass
		2437	12.40	<=30	Pass
		2462	11.40	<=30	Pass
802.11n (HT20)	SISO	2412	10.08	<=30	Pass
		2437	11.97	<=30	Pass
		2462	10.88	<=30	Pass
802.11n (HT40)	SISO	2422	10.45	<=30	Pass
		2437	11.50	<=30	Pass
		2452	11.33	<=30	Pass

Note1: Antenna Gain: Ant1: 2.62dBi;

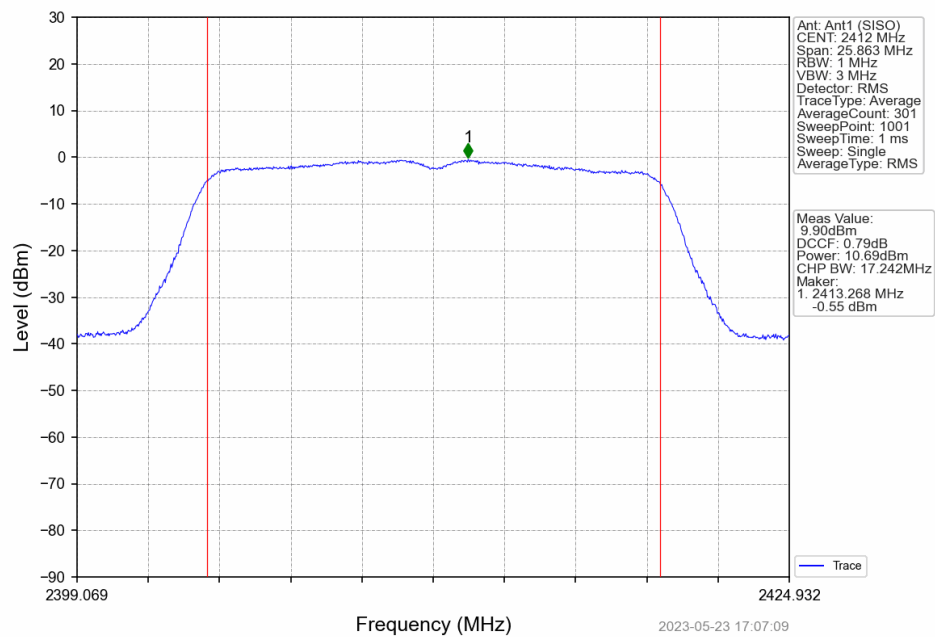
2.1.2 Test Graph

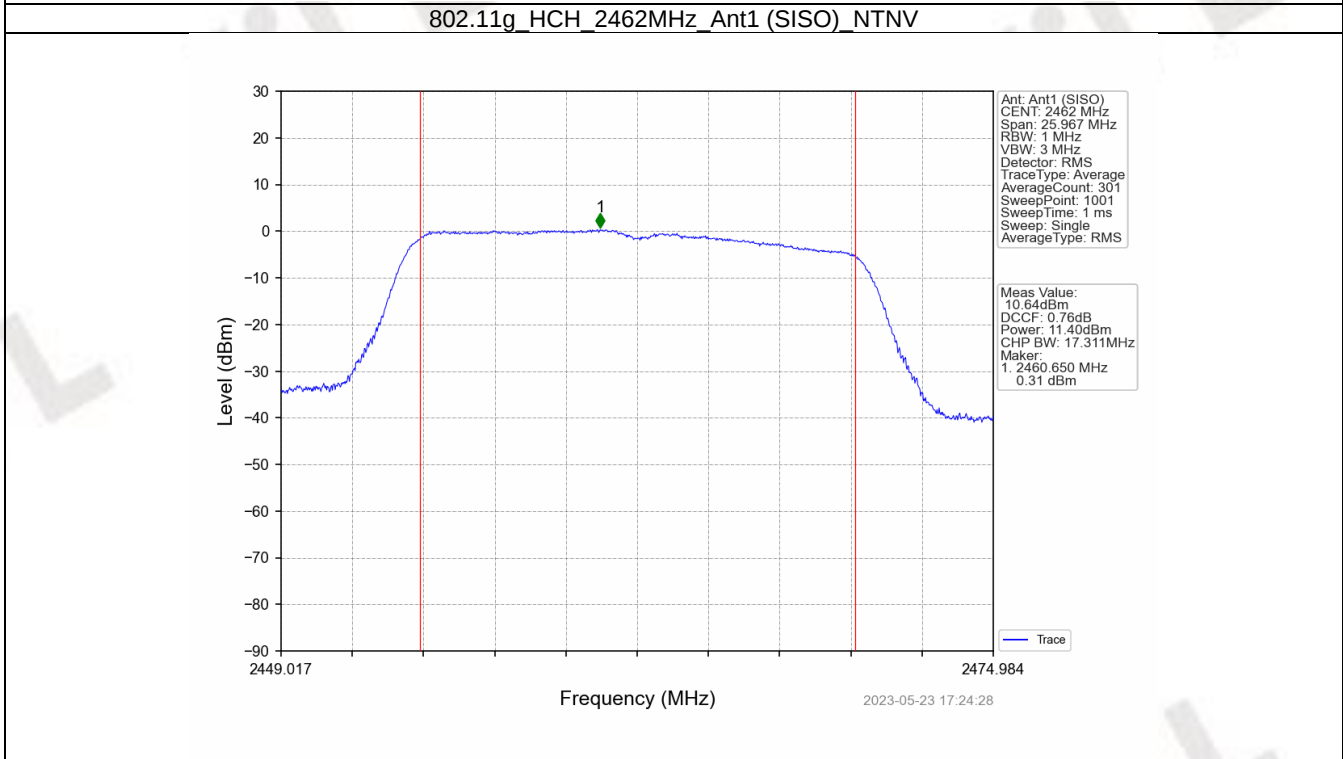
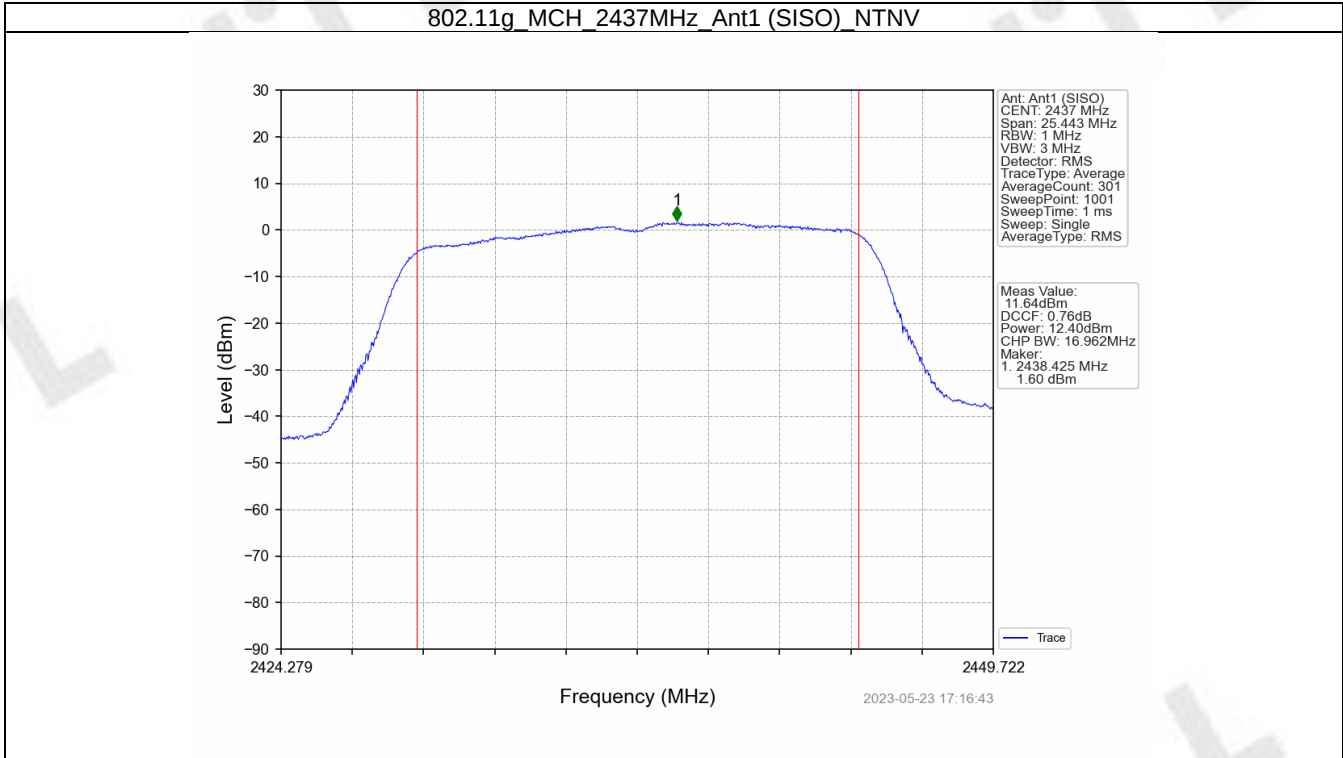


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

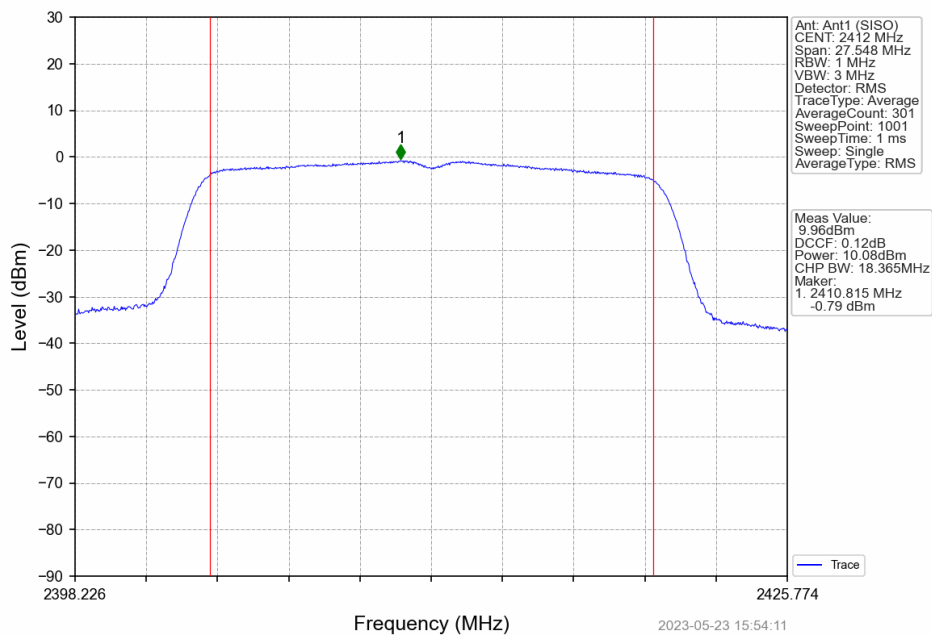


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

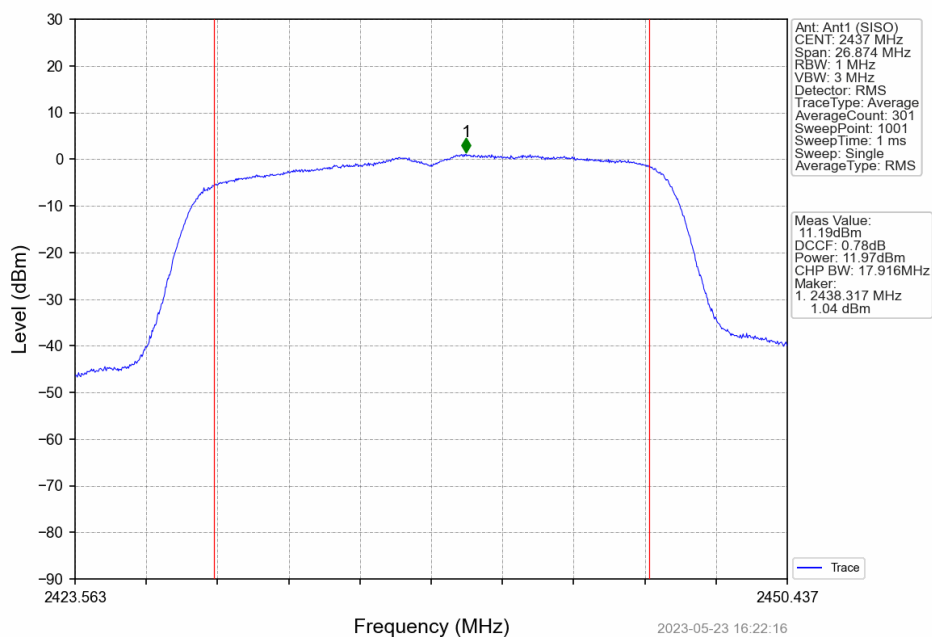




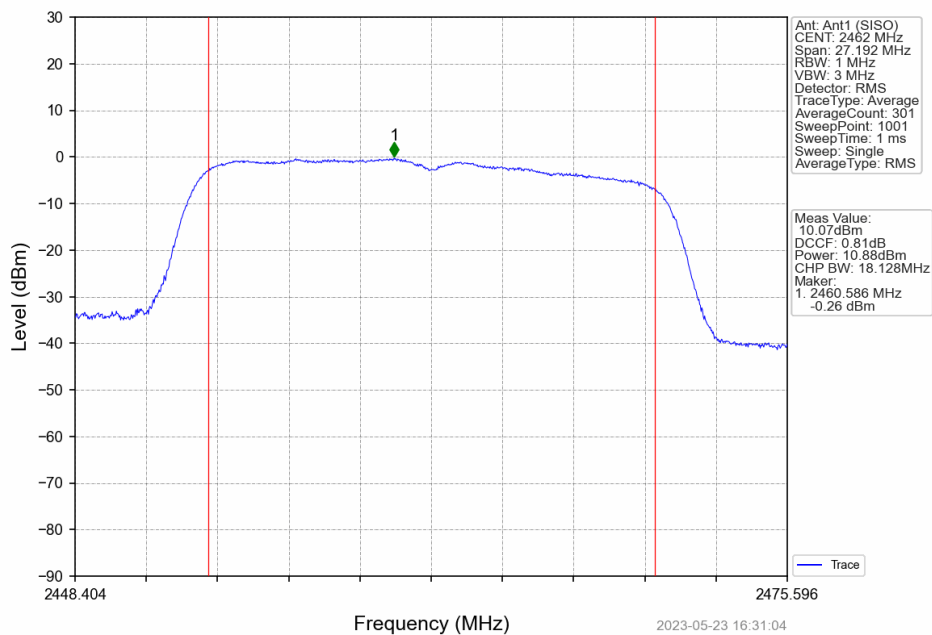
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



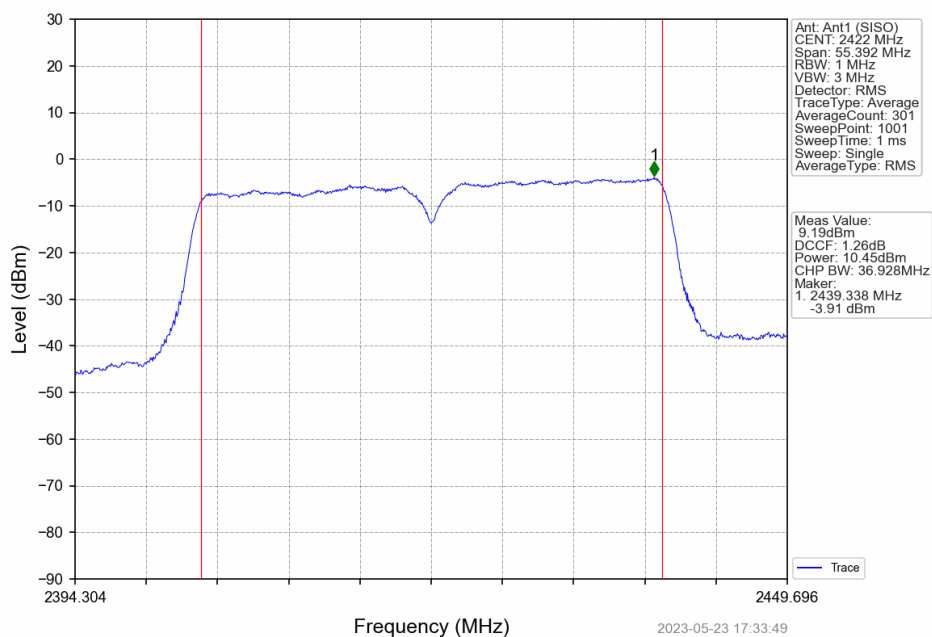
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



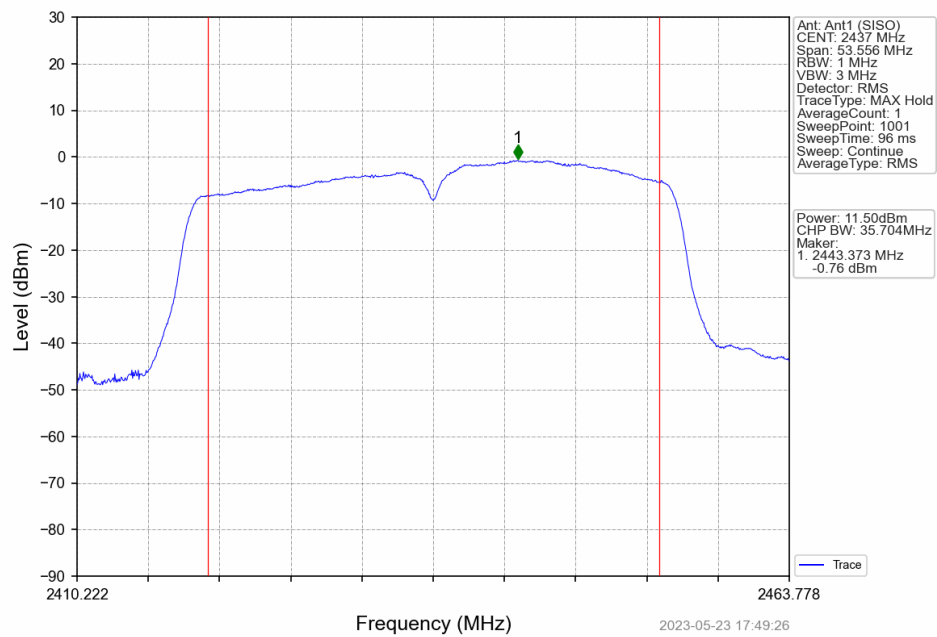
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



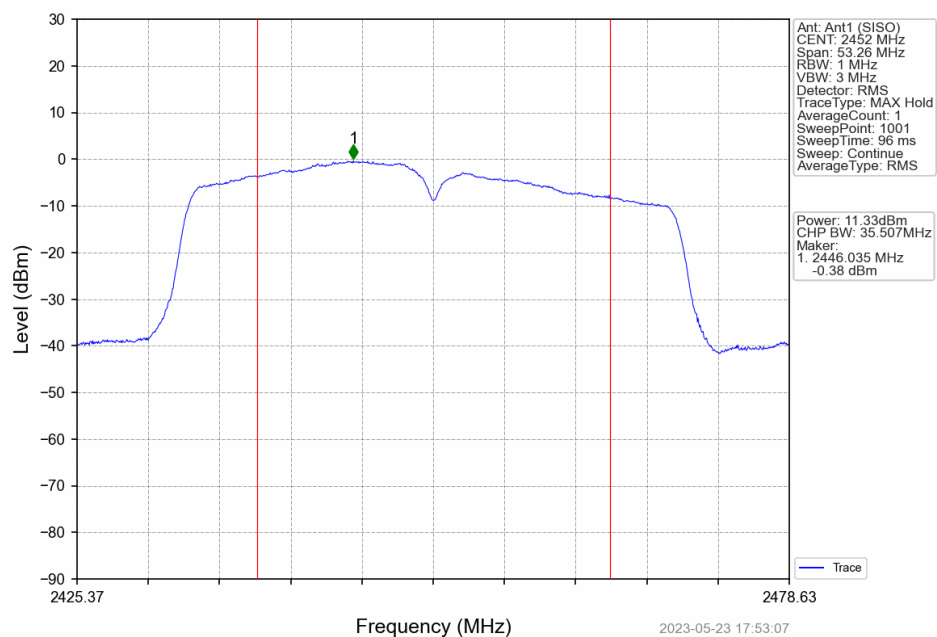
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Power Spectral Density

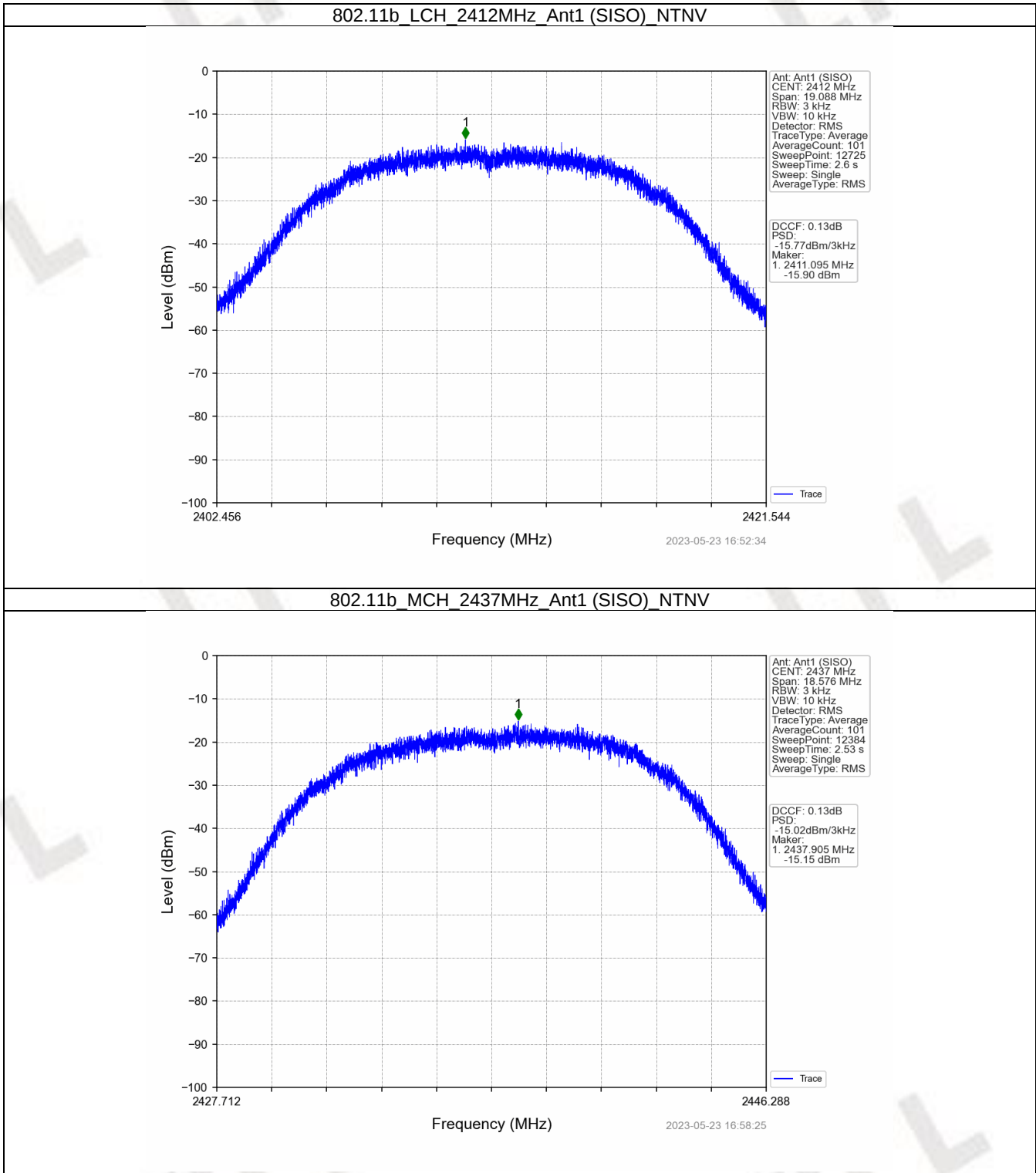
3.1 PSD

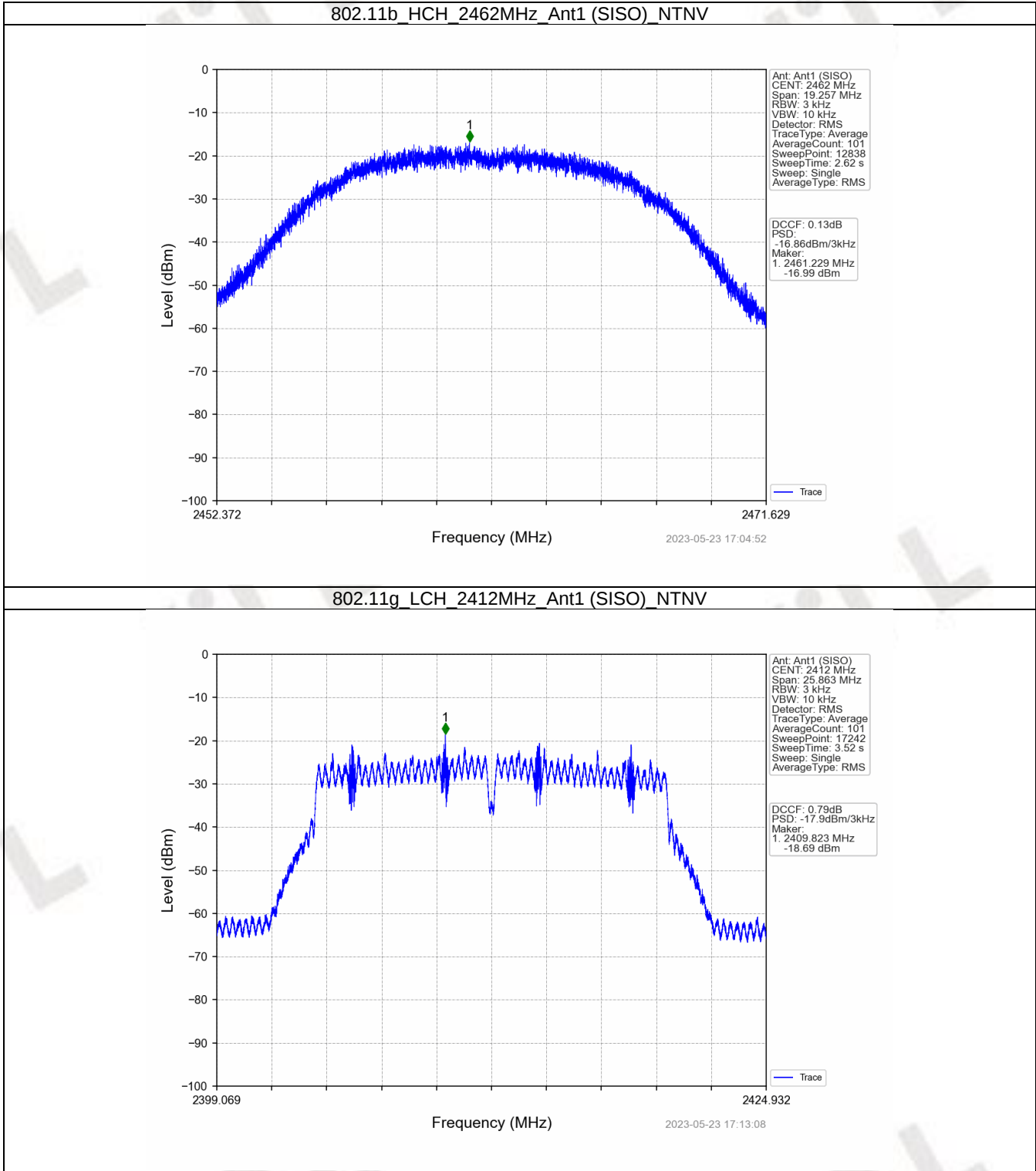
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-15.77	<=8	Pass
		2437	-15.02	<=8	Pass
		2462	-16.86	<=8	Pass
802.11g	SISO	2412	-17.90	<=8	Pass
		2437	-17.02	<=8	Pass
		2462	-16.77	<=8	Pass
802.11n (HT20)	SISO	2412	-22.60	<=8	Pass
		2437	-16.61	<=8	Pass
		2462	-18.23	<=8	Pass
802.11n (HT40)	SISO	2422	-19.23	<=8	Pass
		2437	-15.58	<=8	Pass
		2452	-15.48	<=8	Pass

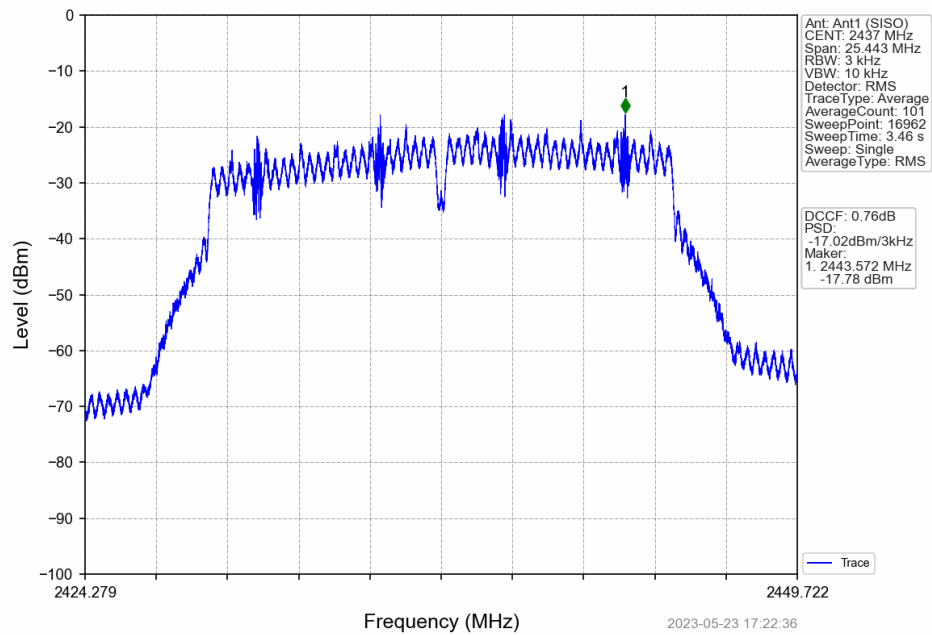
Note1: Antenna Gain: Ant1: 2.62dBi;

3.1.2 Test Graph

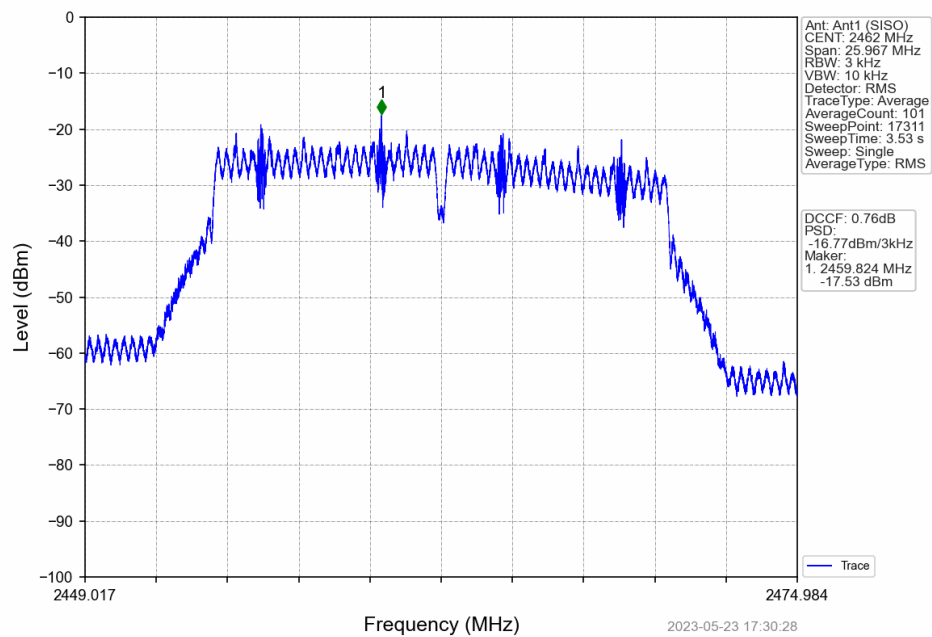




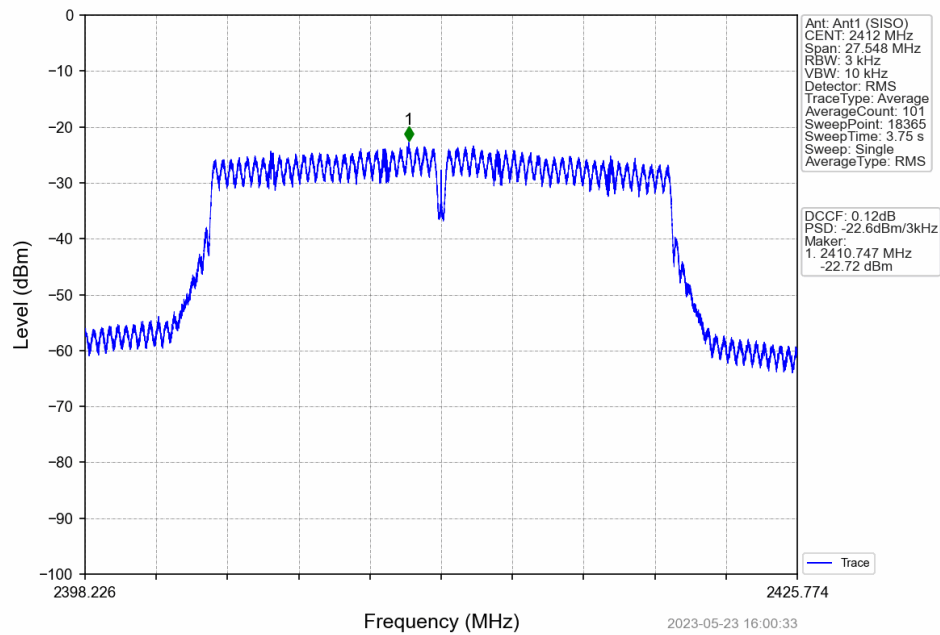
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



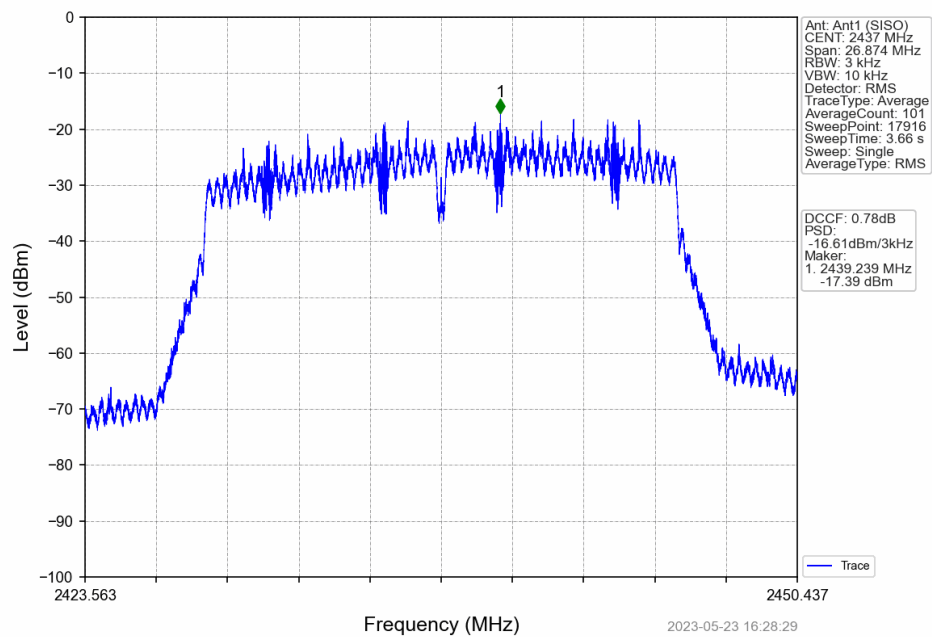
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



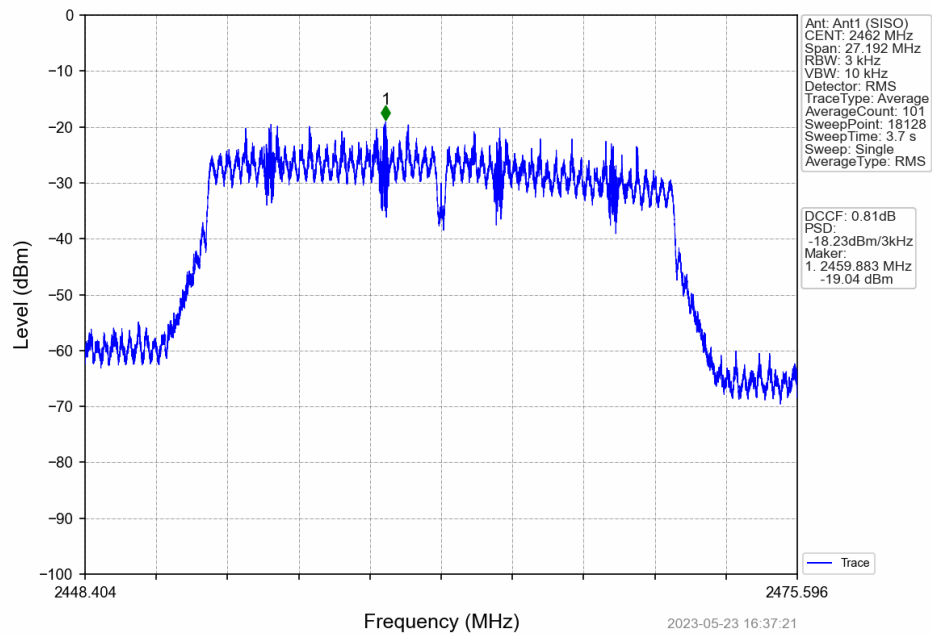
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



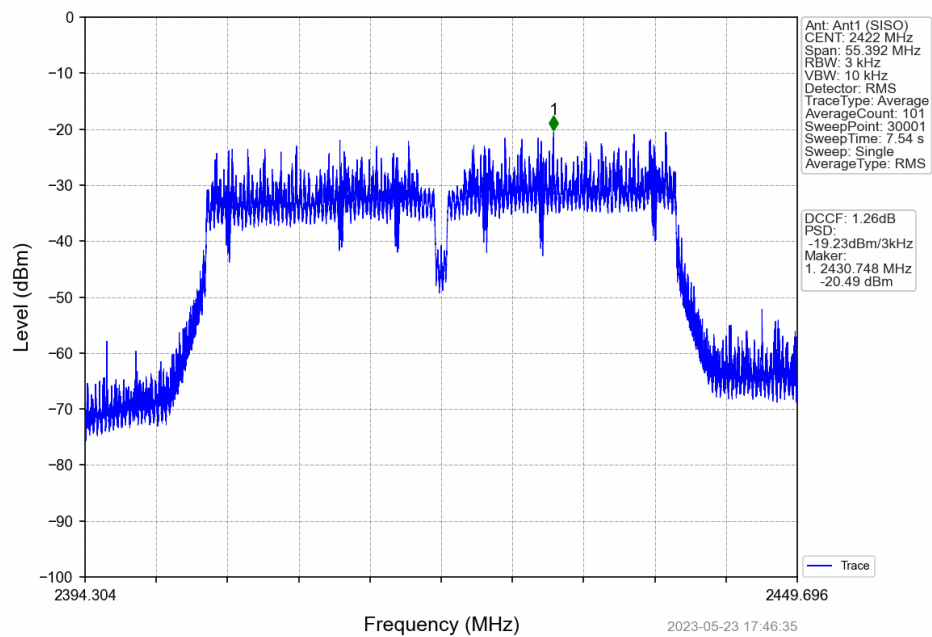
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



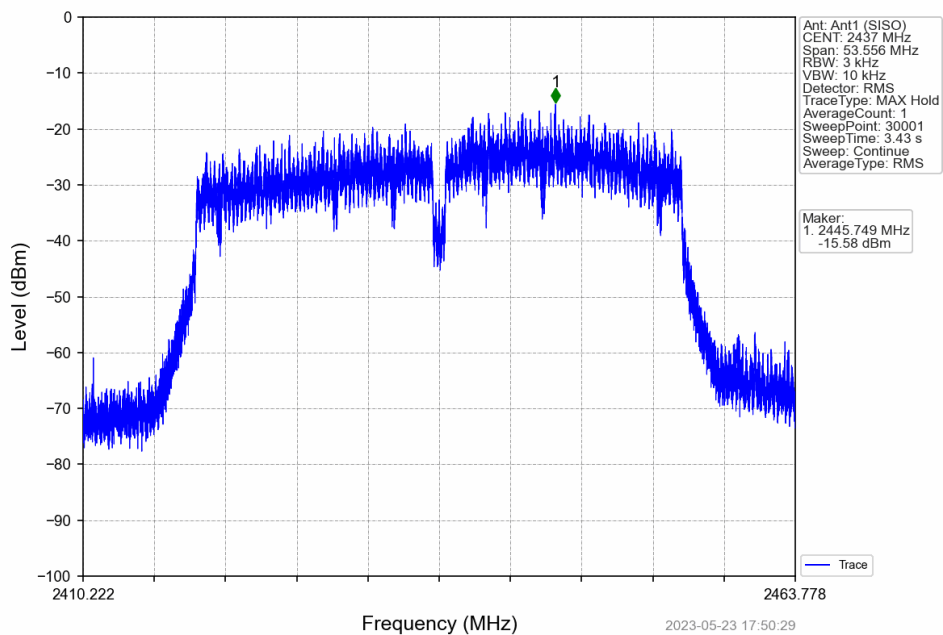
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



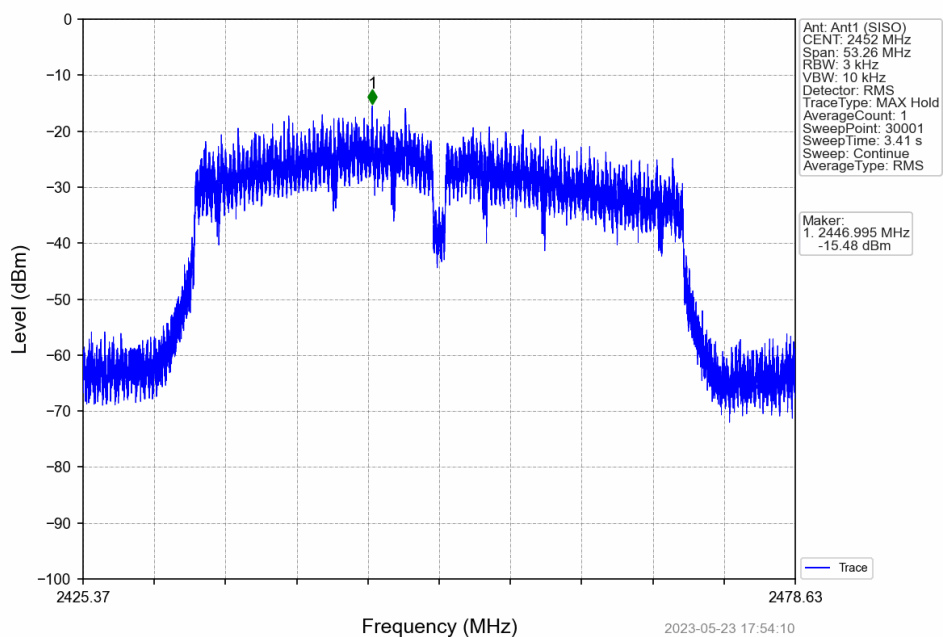
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

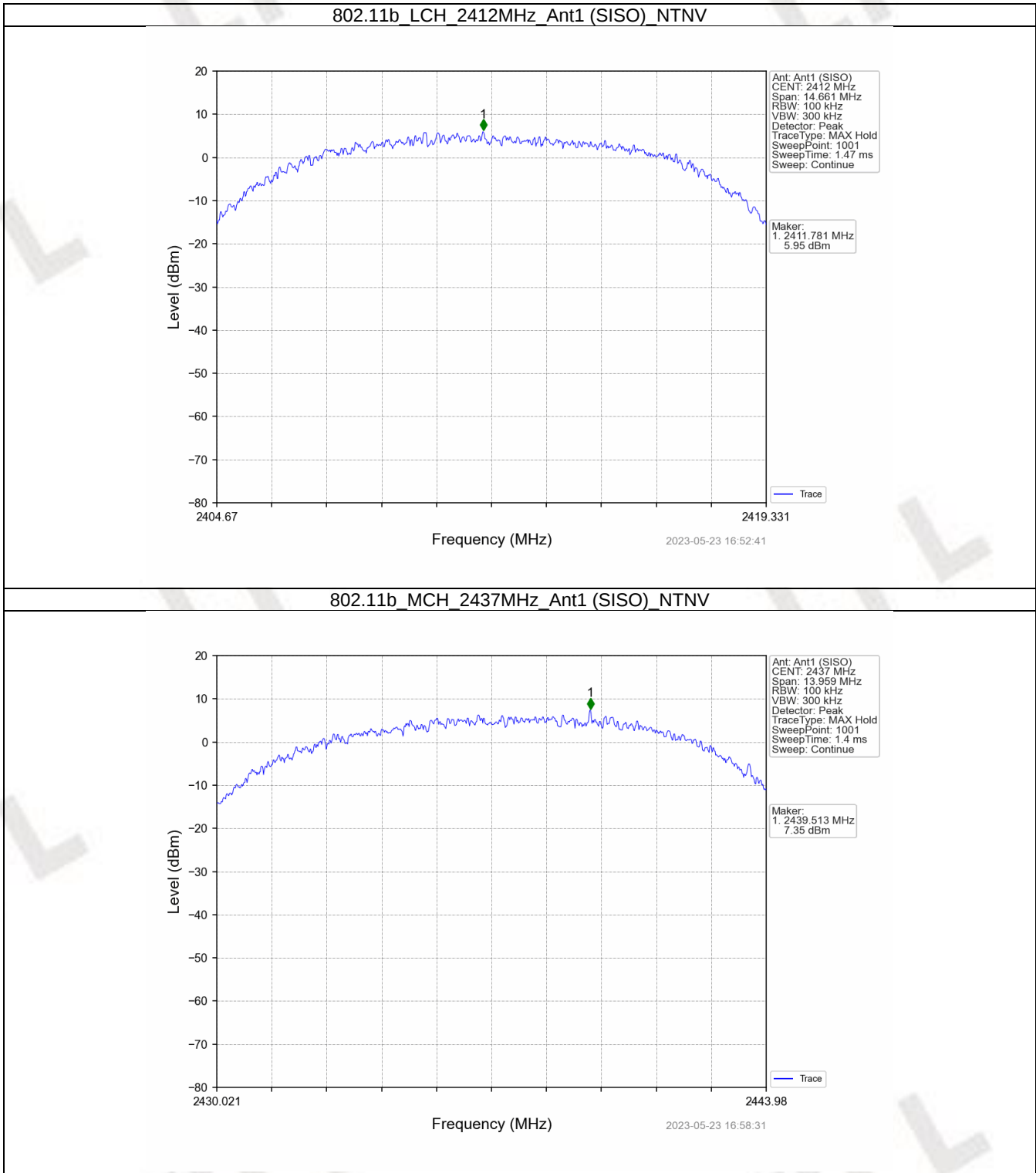
4.1 Ref

4.1.1 Test Result

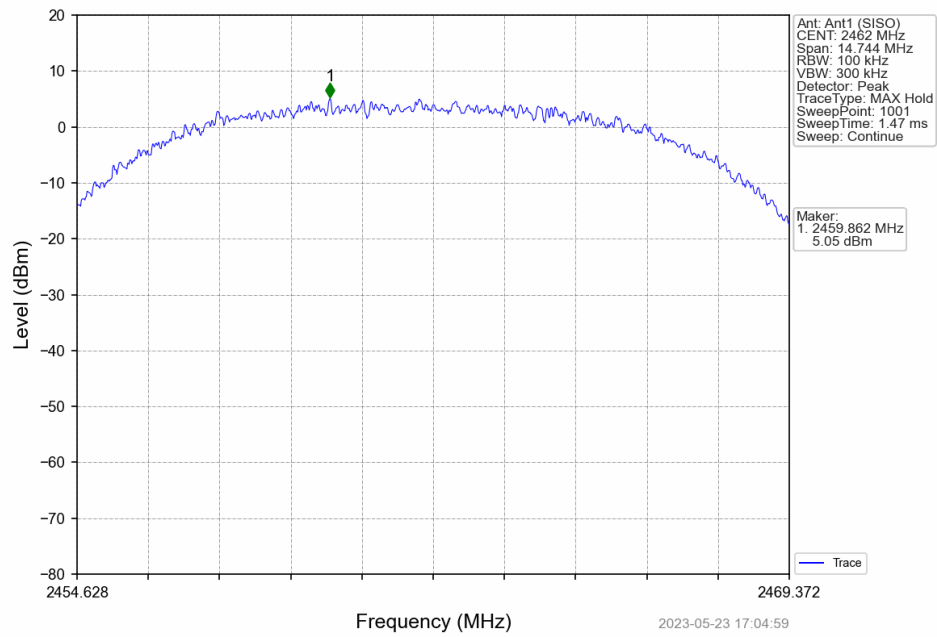
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.95
		2437	1	7.35
		2462	1	5.05
802.11g	SISO	2412	1	0.46
		2437	1	2.95
		2462	1	1.02
802.11n (HT20)	SISO	2412	1	3.51
		2437	1	2.47
		2462	1	0.52
802.11n (HT40)	SISO	2422	1	-1.28
		2437	1	-1.33
		2452	1	-0.77

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.

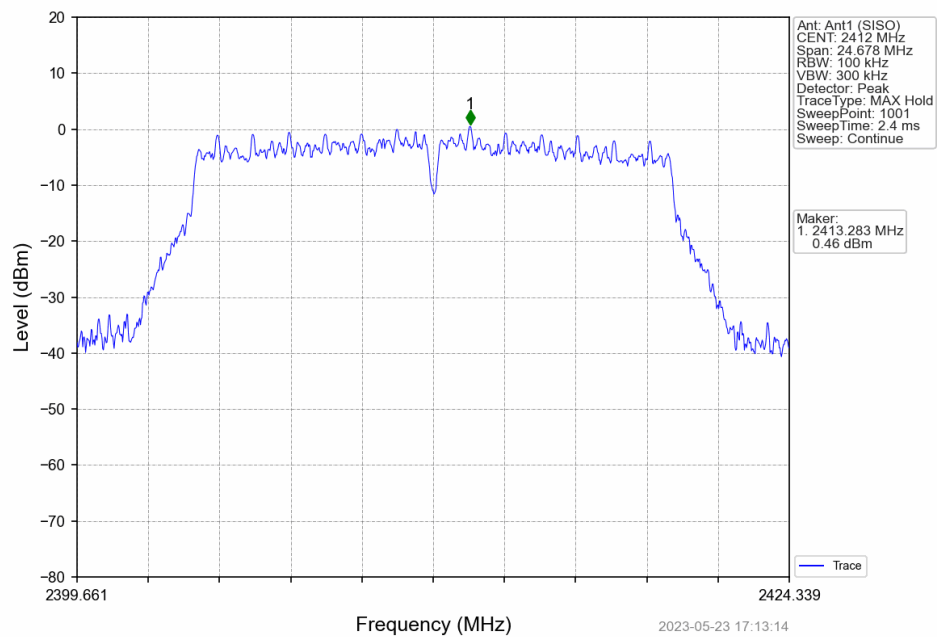
4.1.2 Test Graph



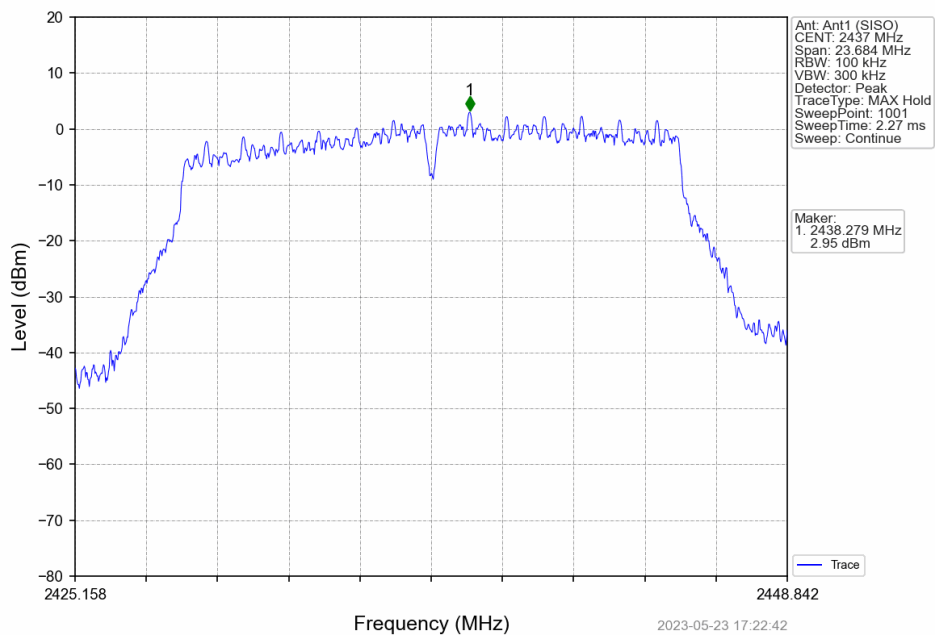
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



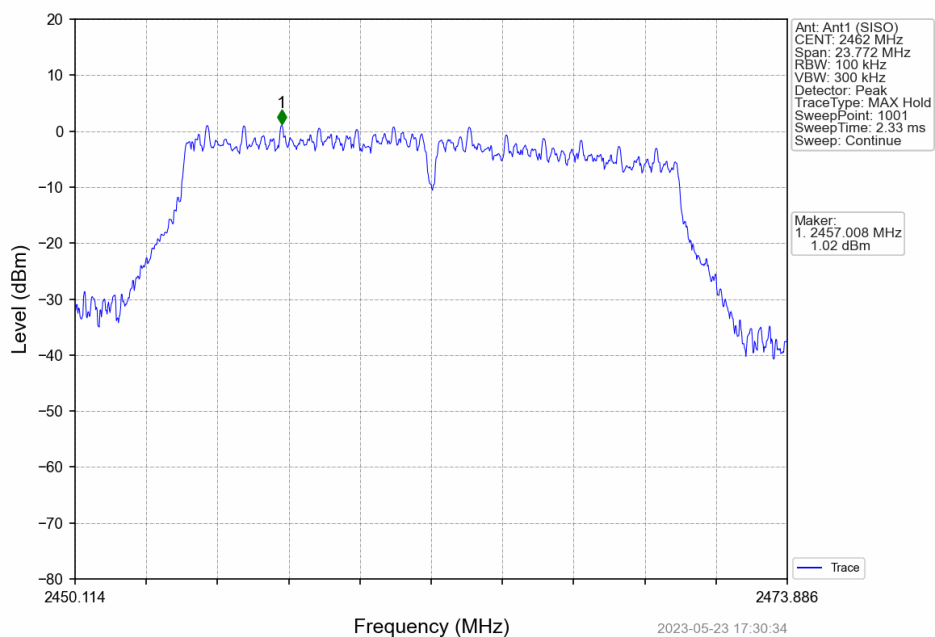
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



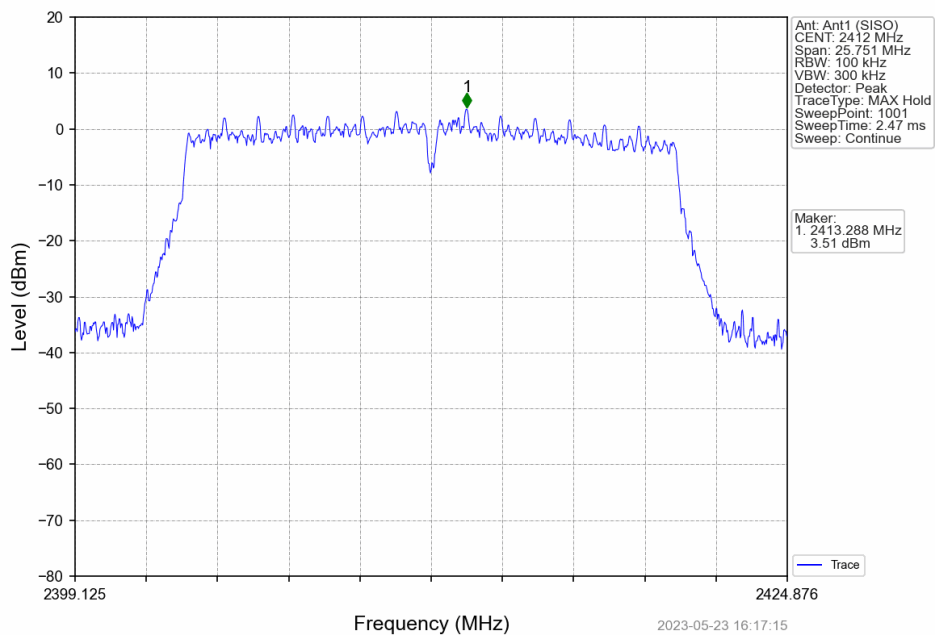
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



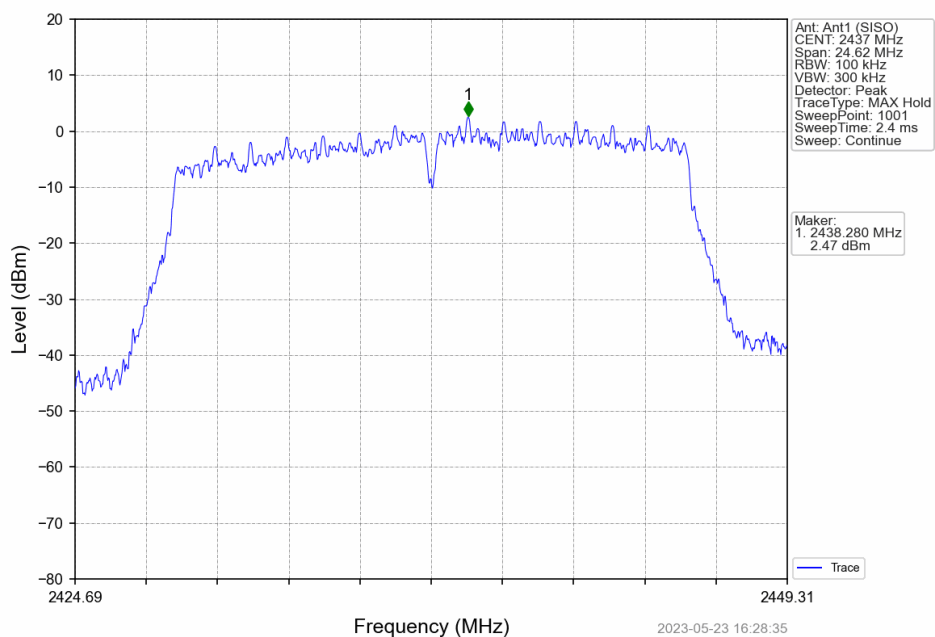
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

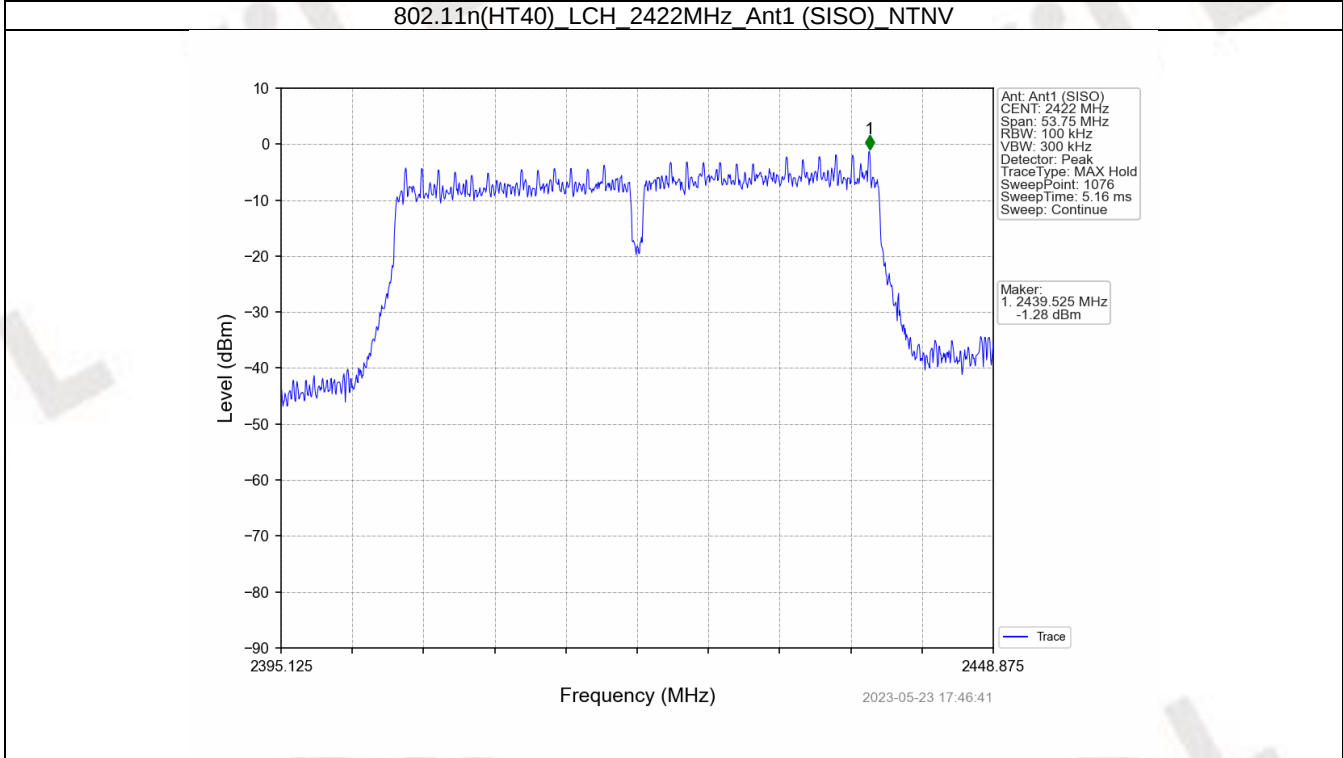
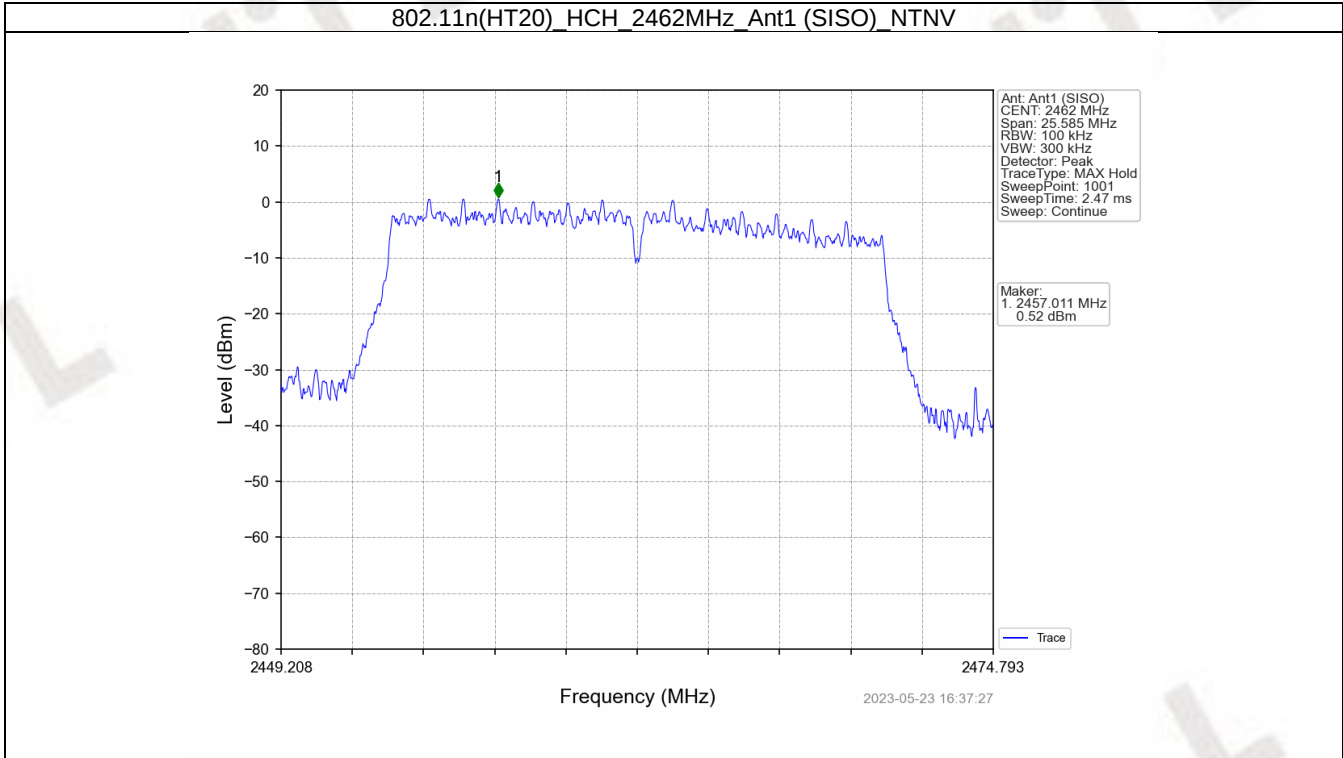


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

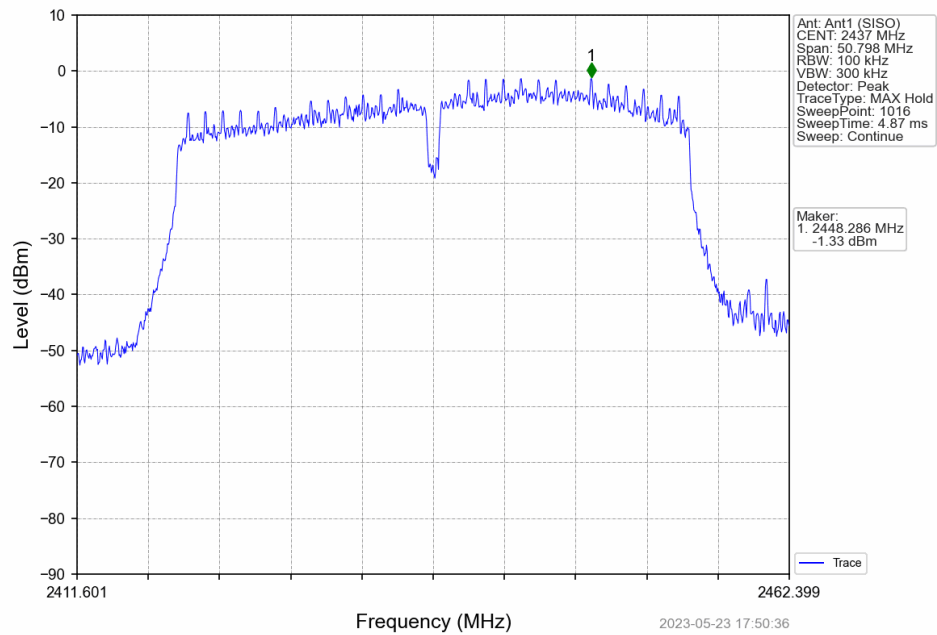


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

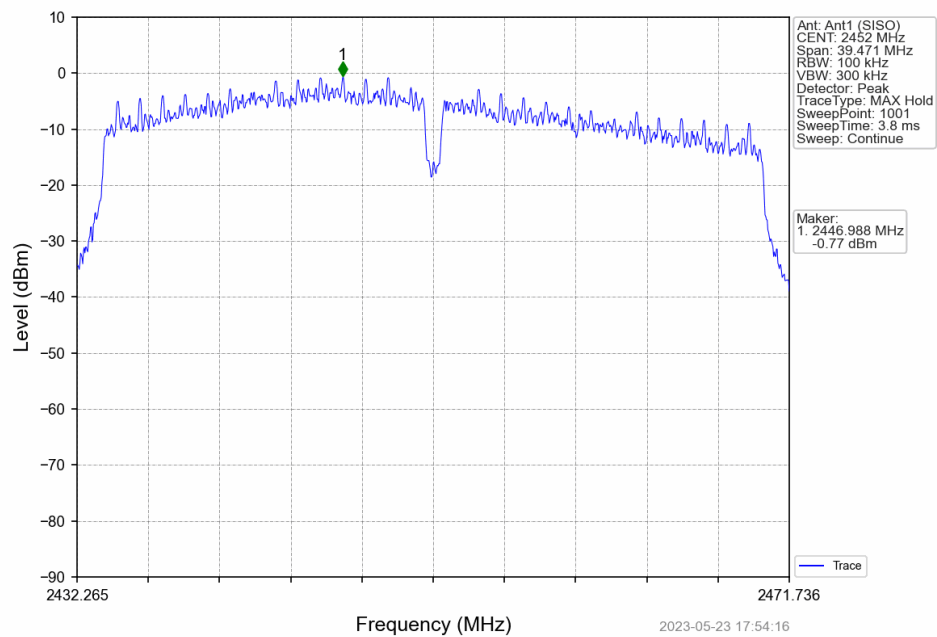




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



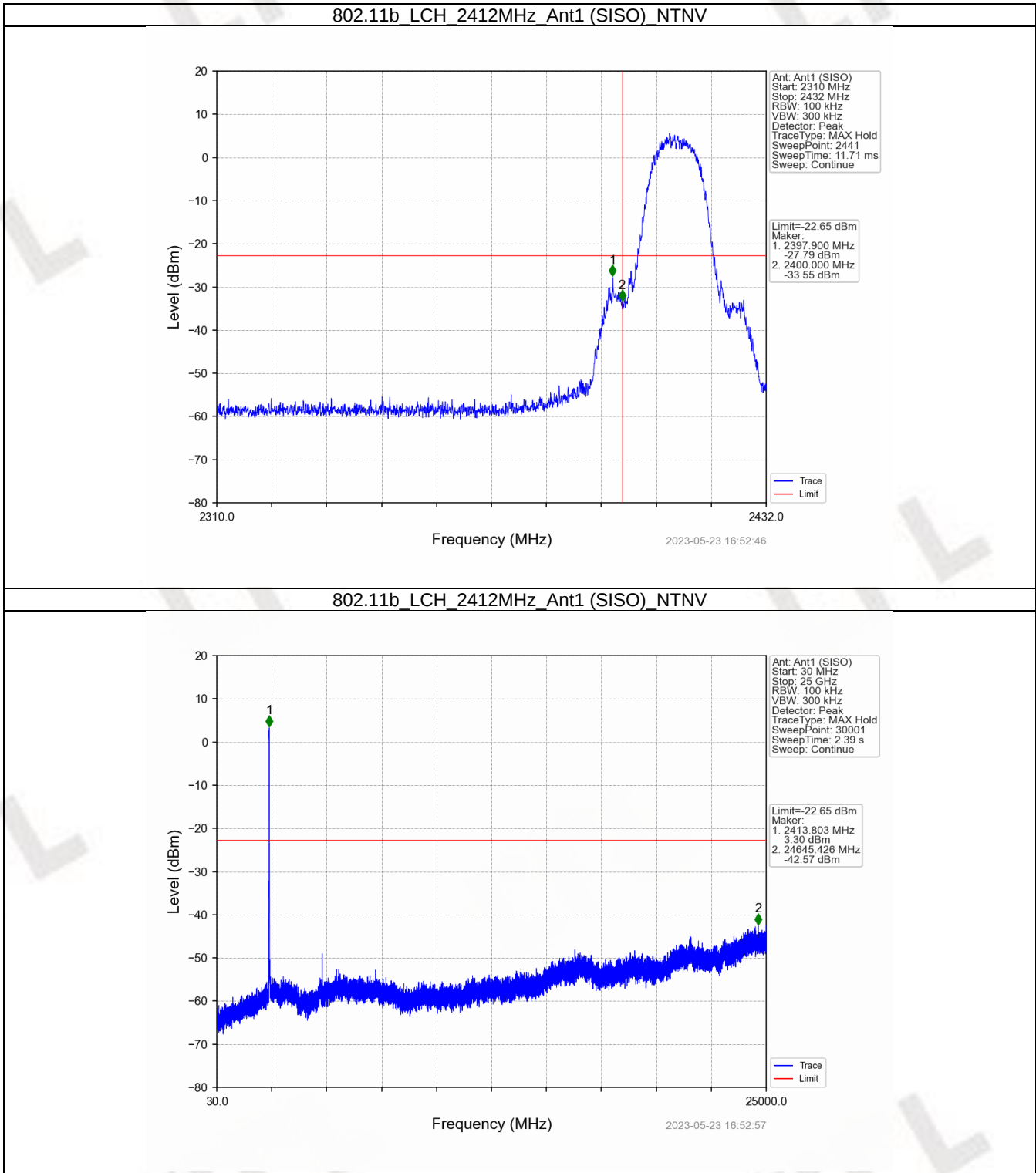
4.2 CSE

4.2.1 Test Result

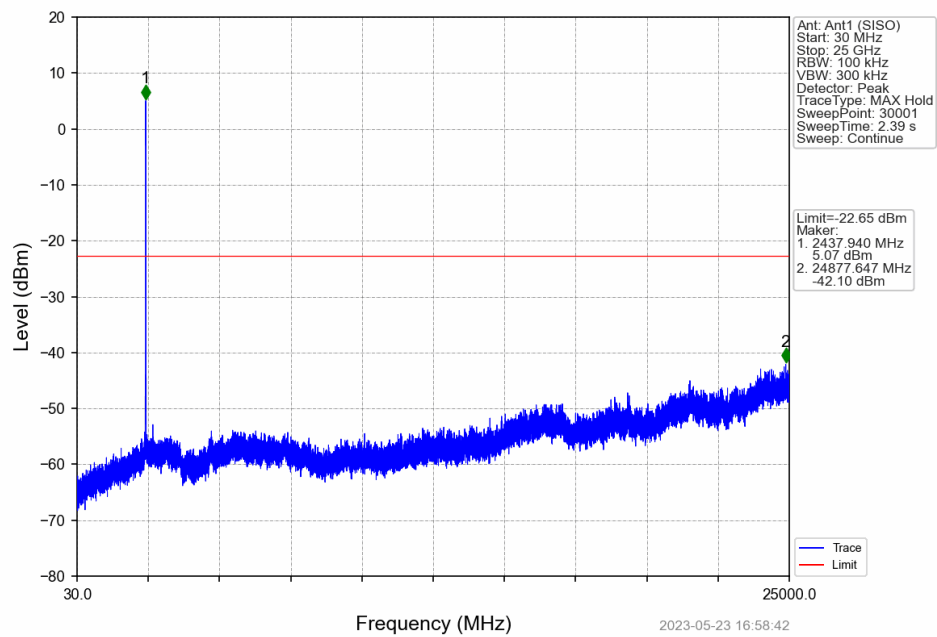
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	7.35	-22.65	Pass
		2437	1	7.35	-22.65	Pass
		2462	1	7.35	-22.65	Pass
802.11g	SISO	2412	1	2.95	-27.05	Pass
		2437	1	2.95	-27.05	Pass
		2462	1	2.95	-27.05	Pass
802.11n (HT20)	SISO	2412	1	3.51	-26.49	Pass
		2437	1	3.51	-26.49	Pass
		2462	1	3.51	-26.49	Pass
802.11n (HT40)	SISO	2422	1	-0.77	-30.77	Pass
		2437	1	-0.77	-30.77	Pass
		2452	1	-0.77	-30.77	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.

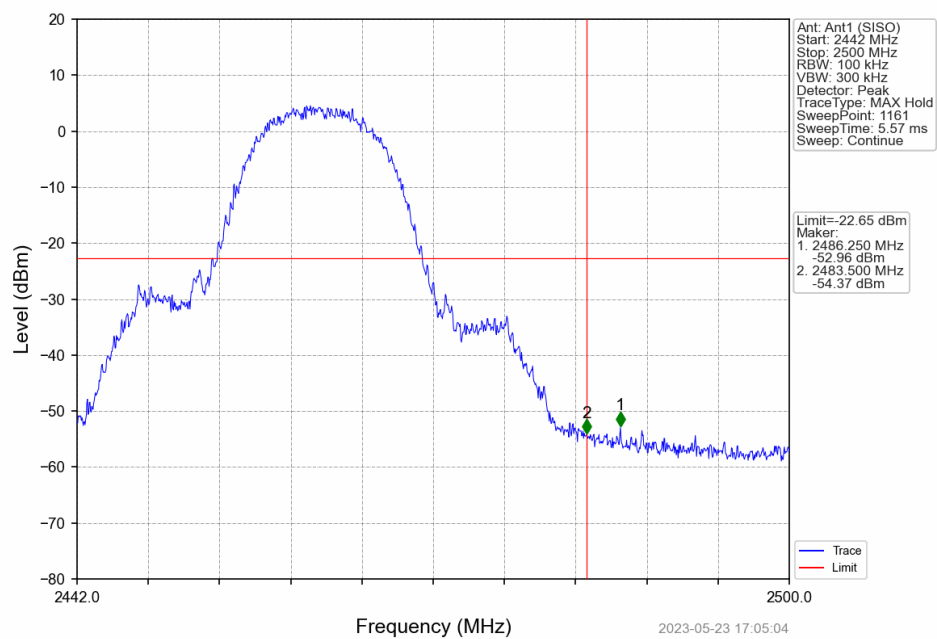
4.2.2 Test Graph

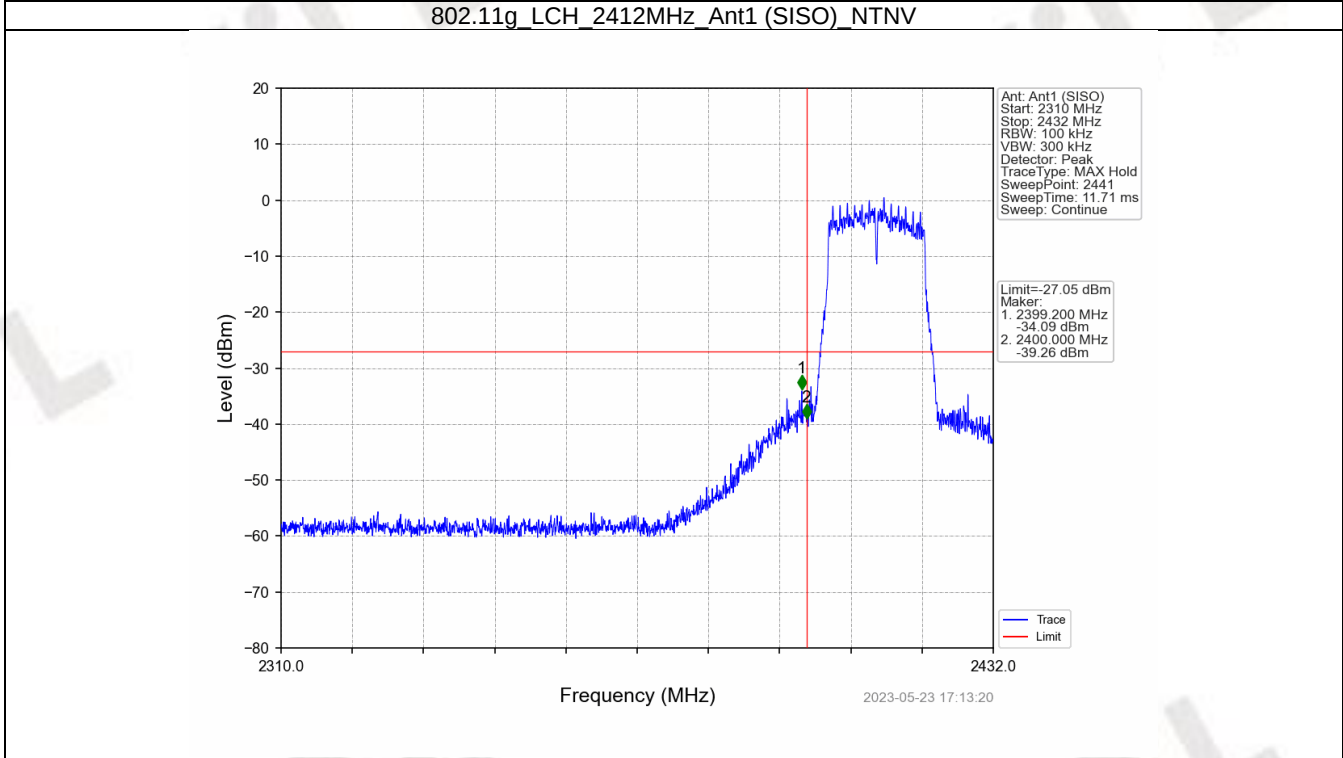
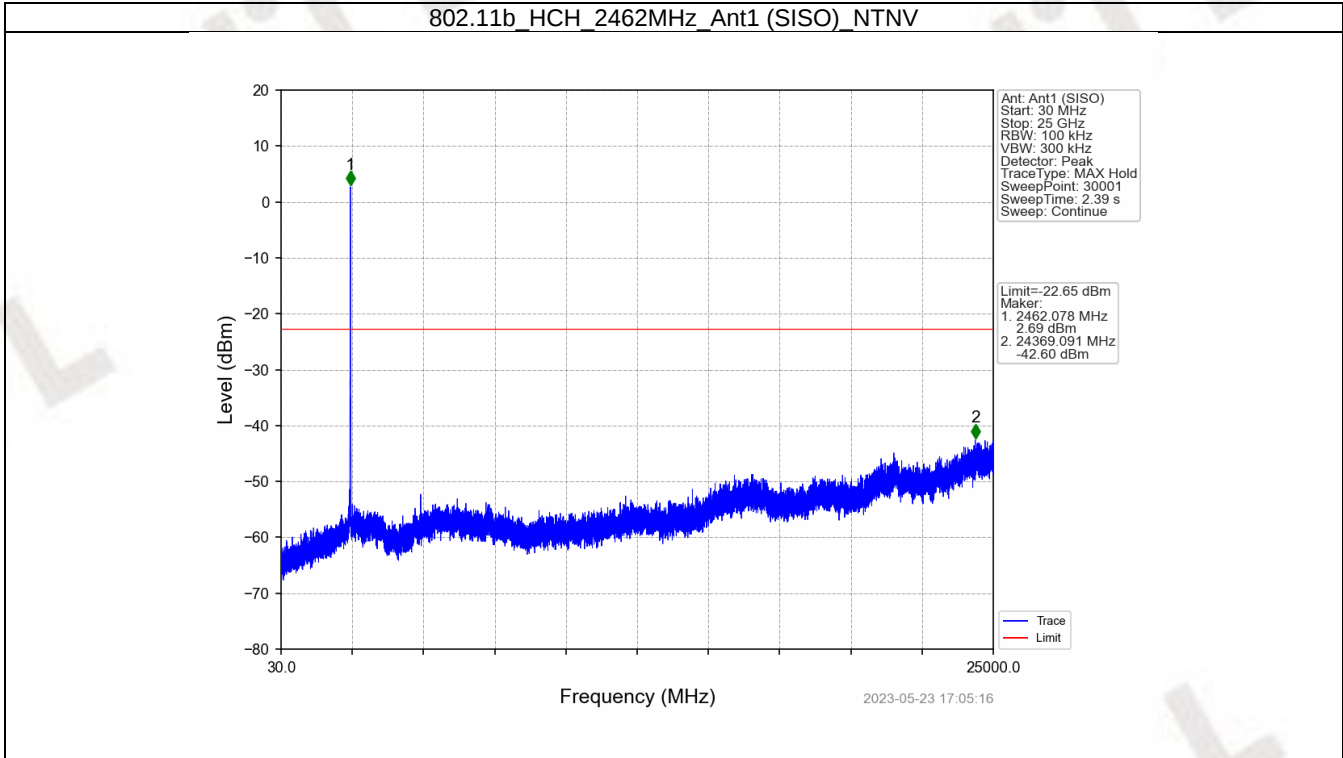


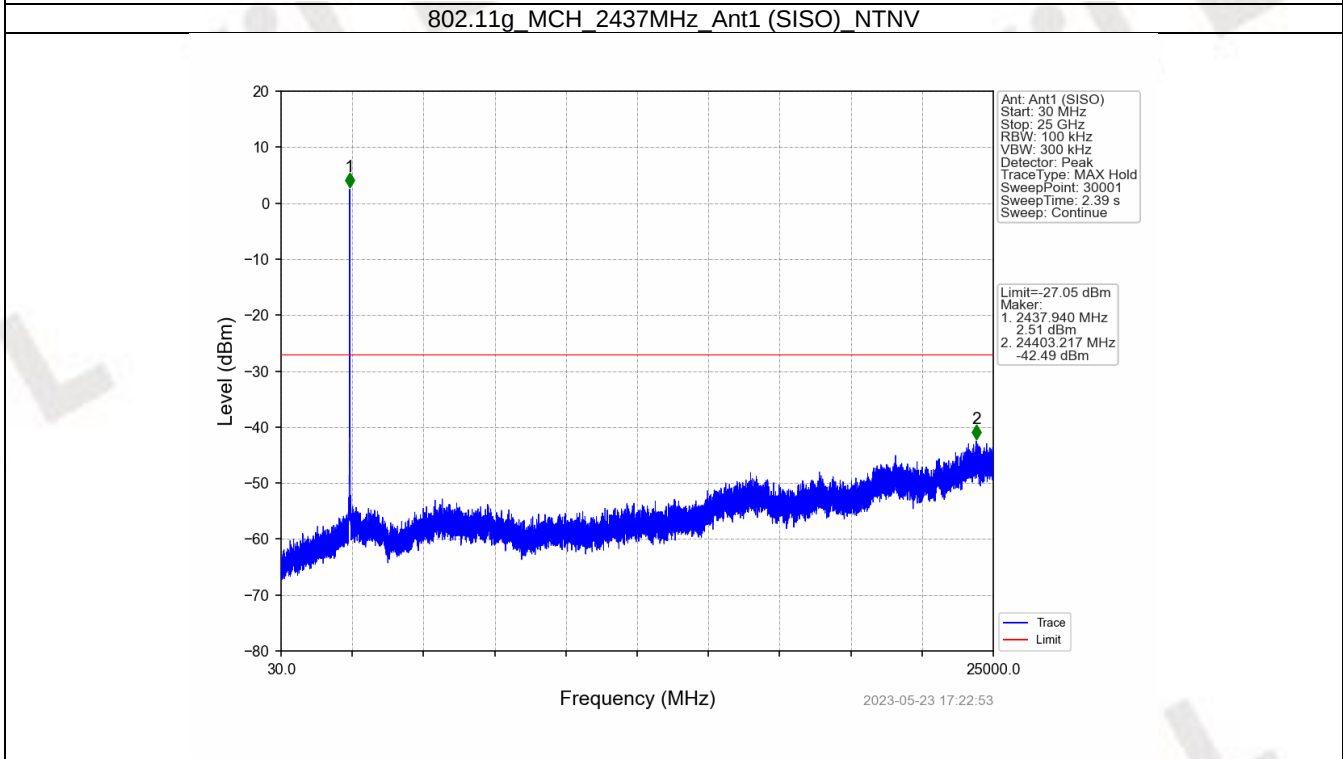
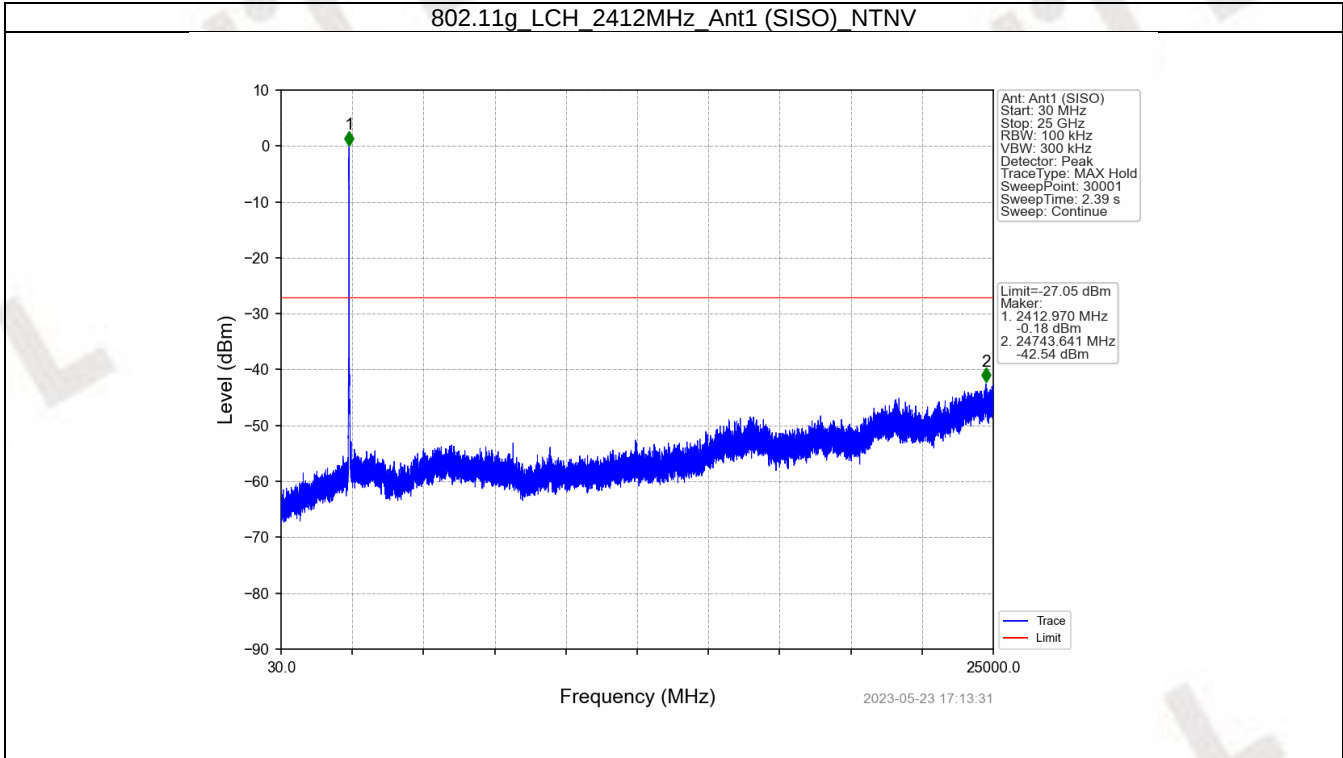
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

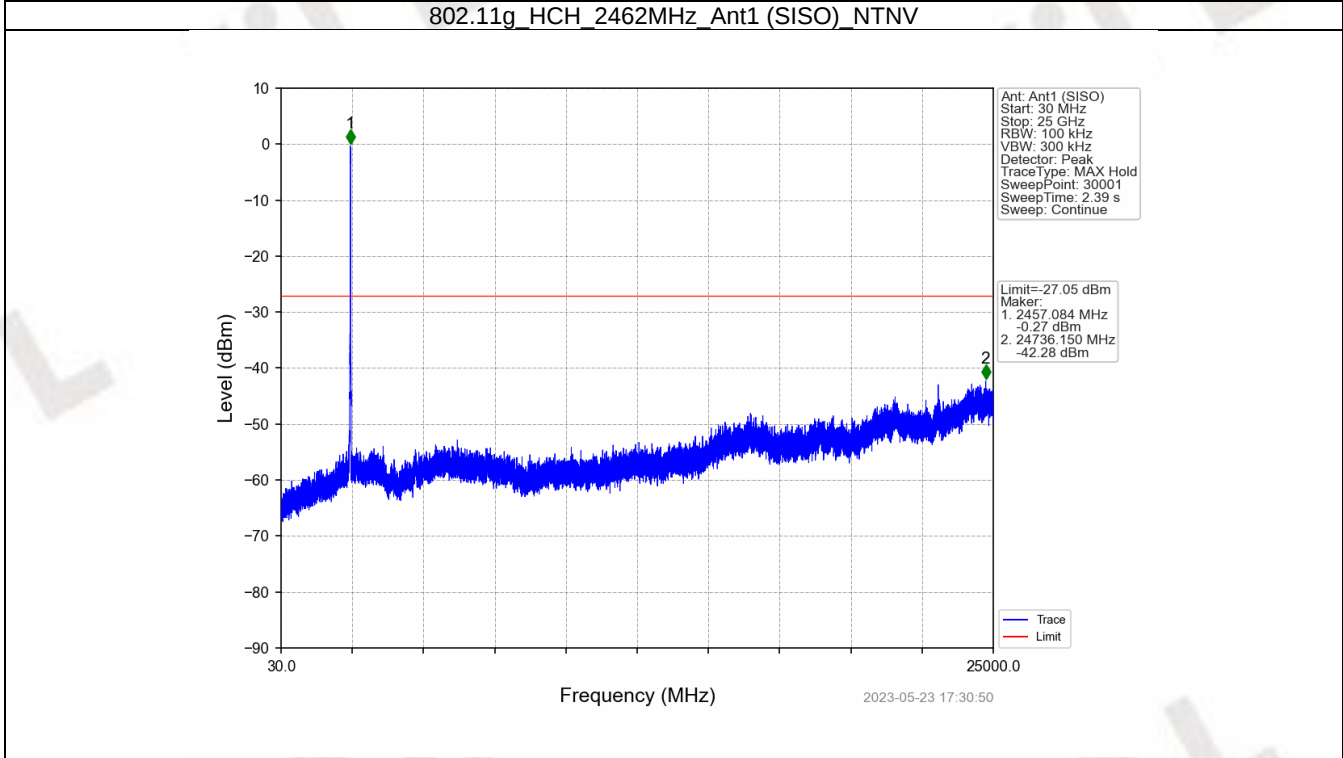
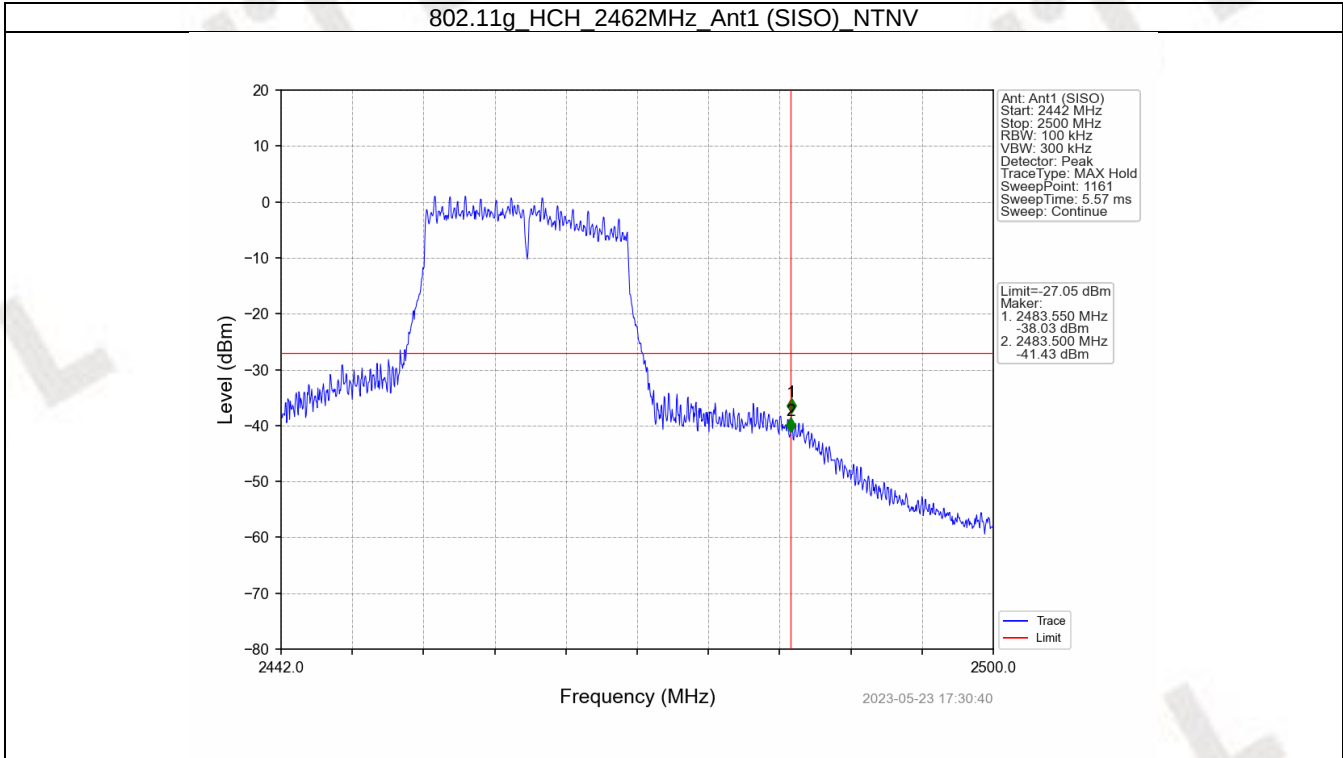


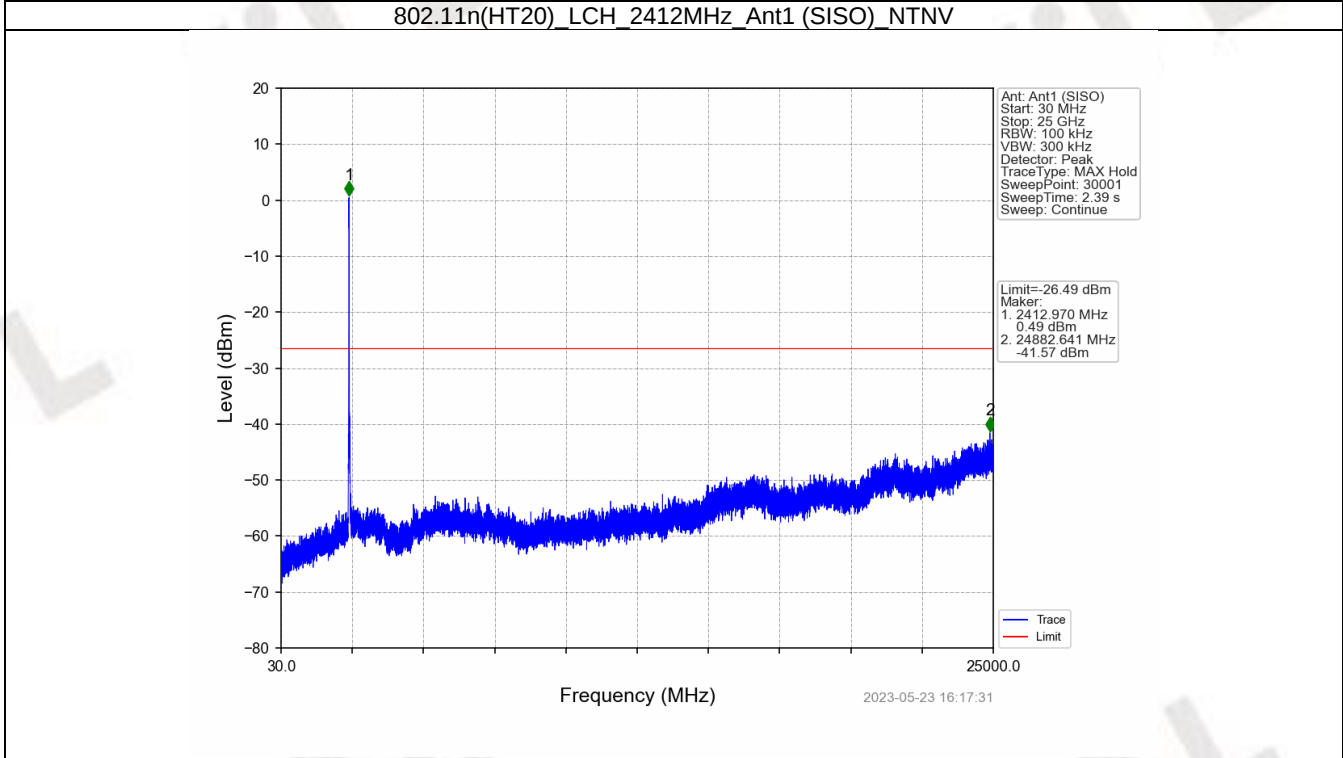
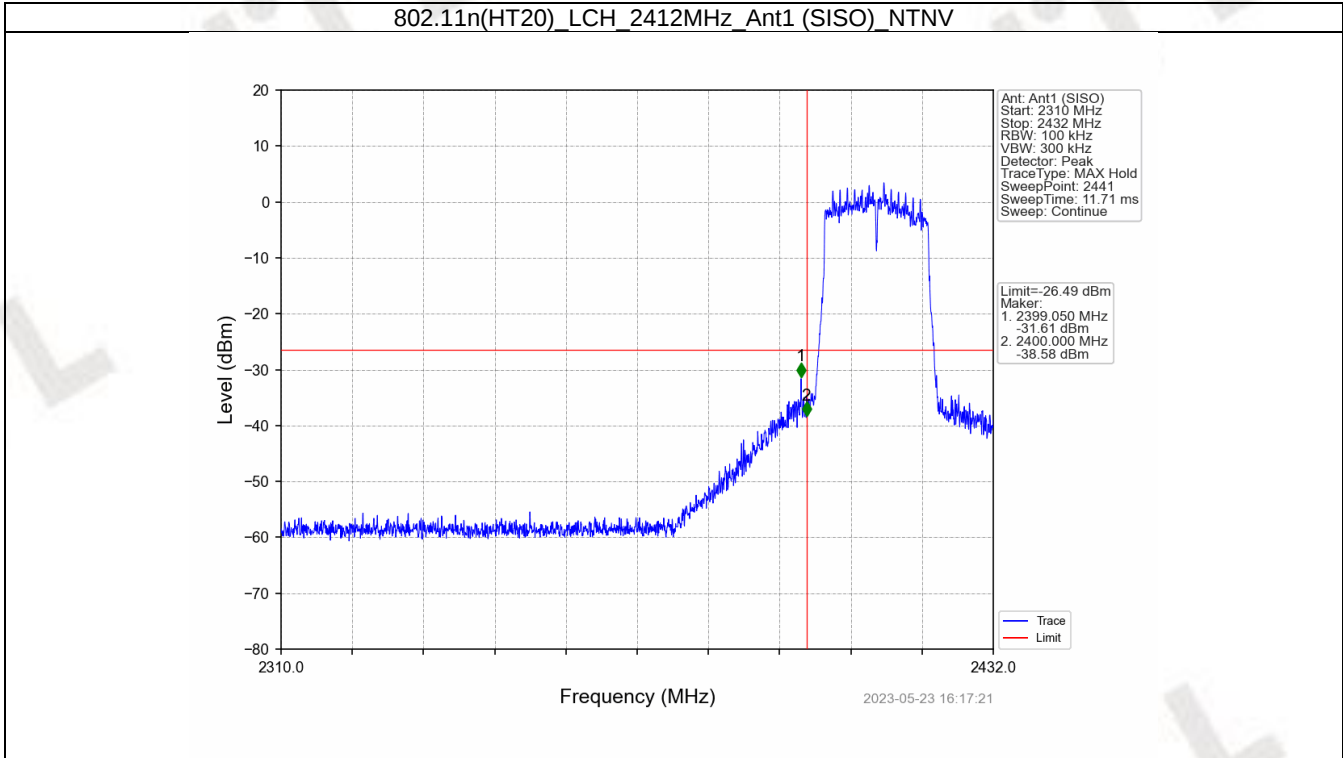
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

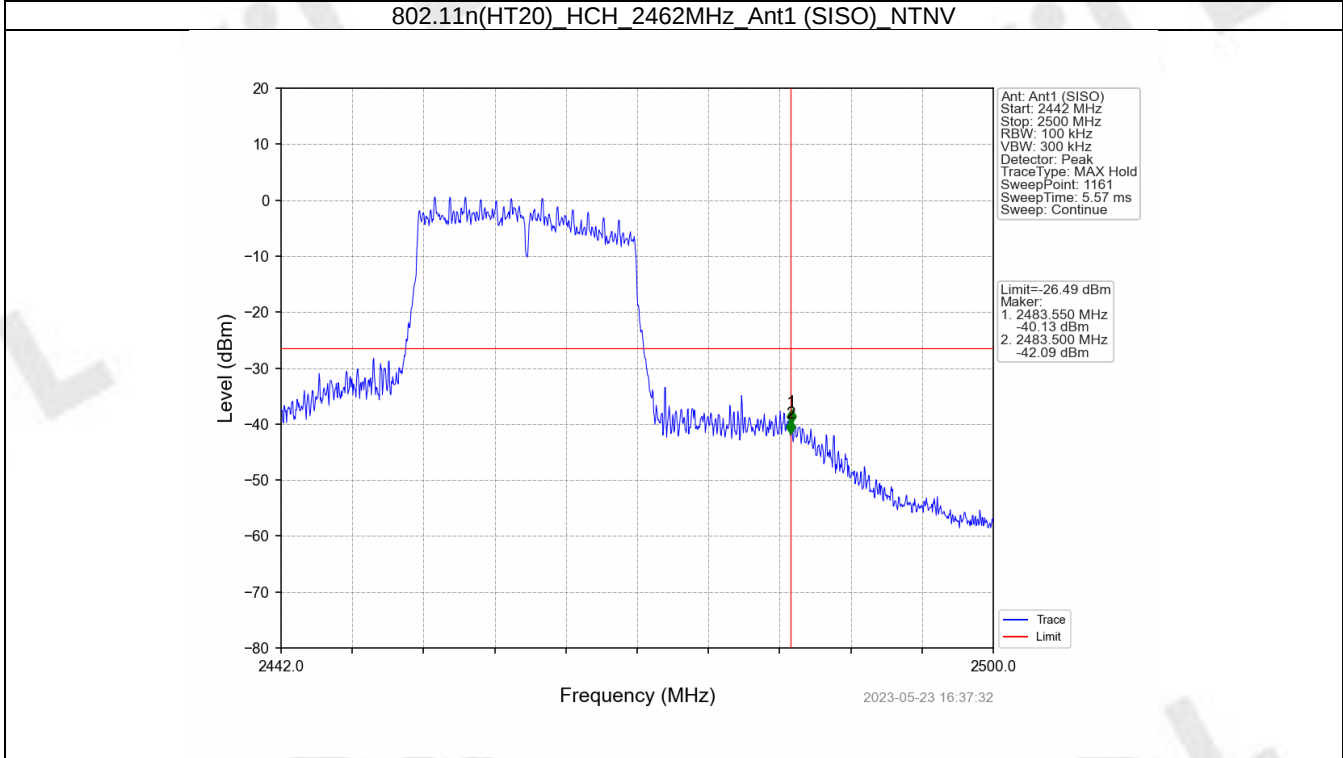
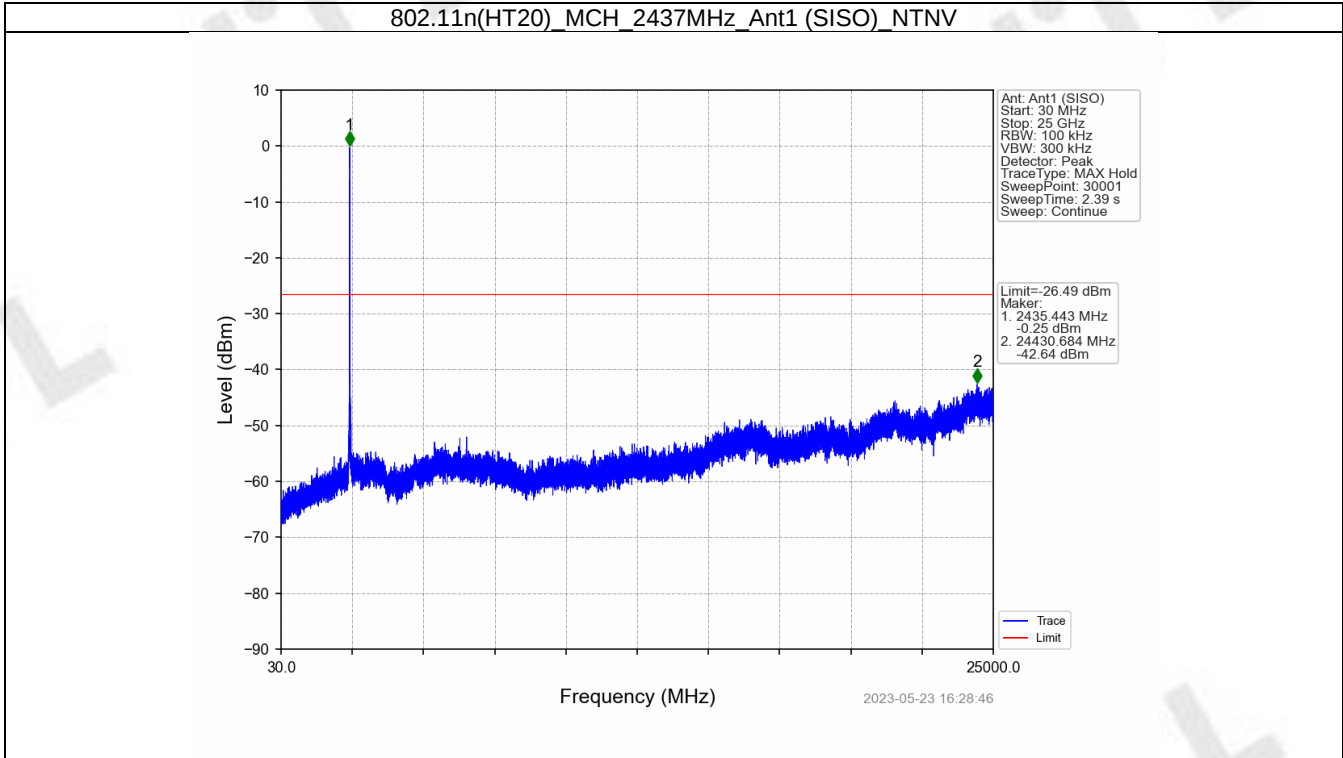


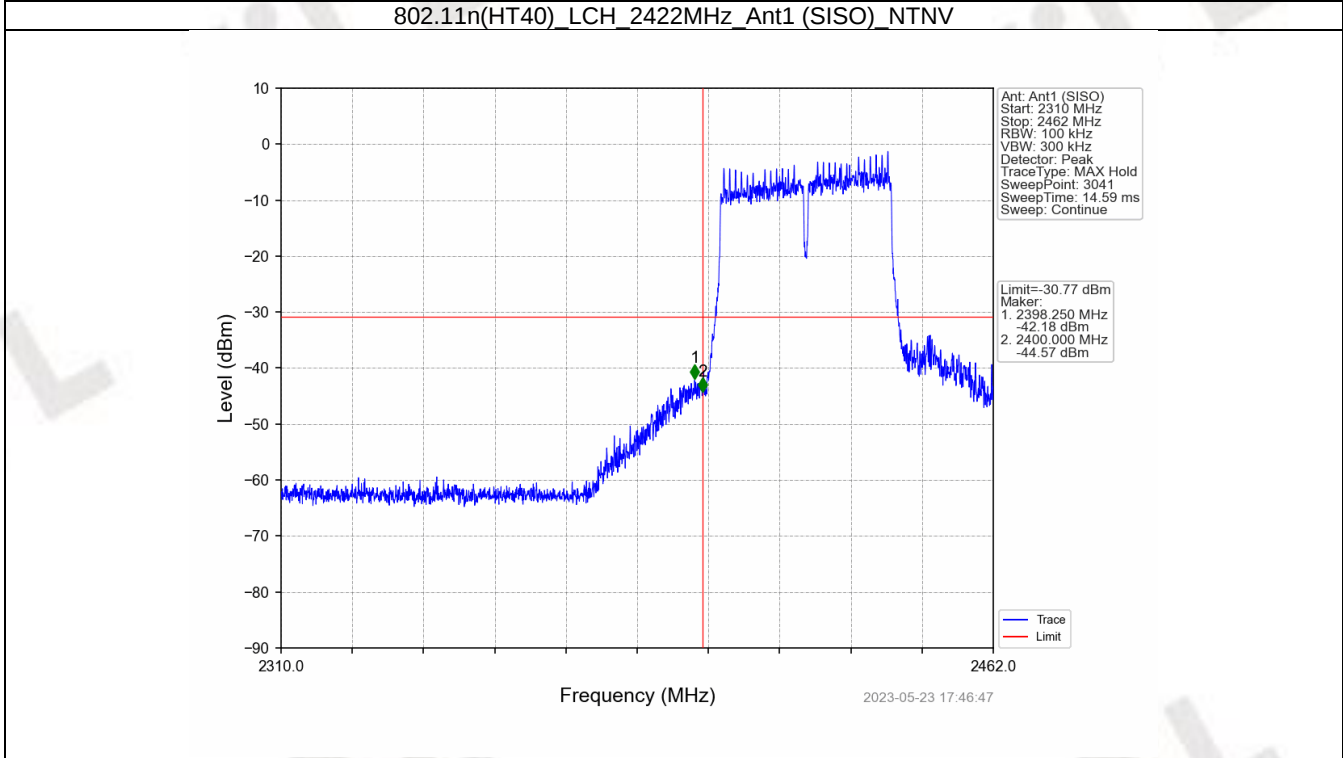
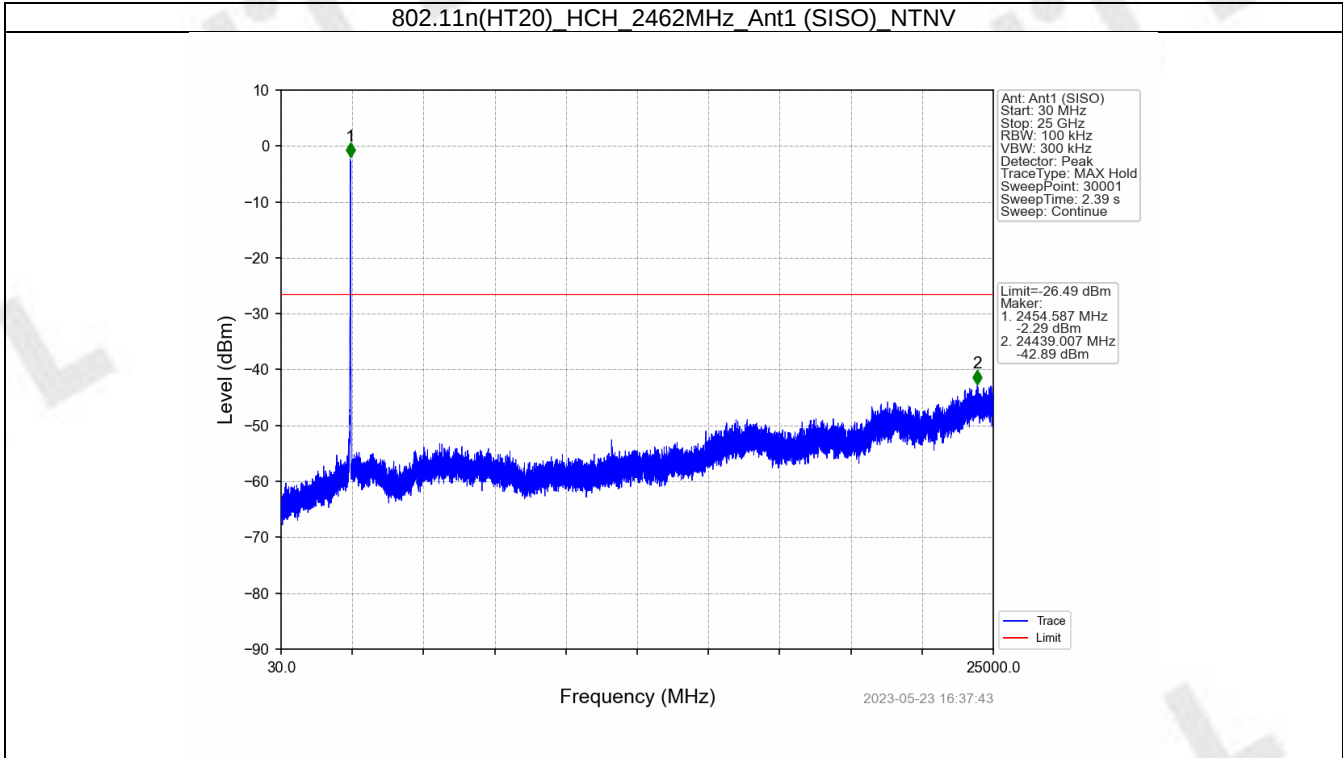




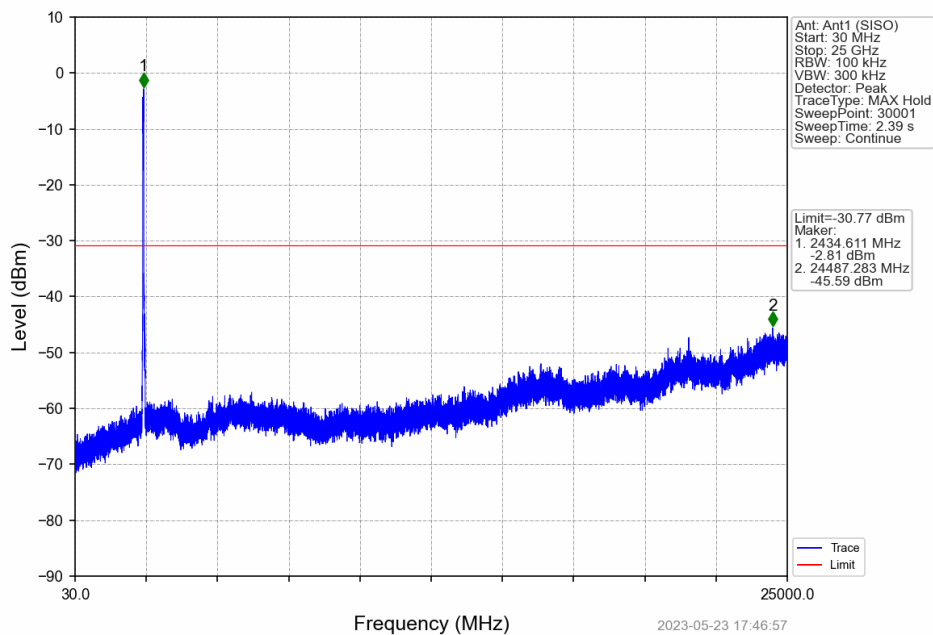




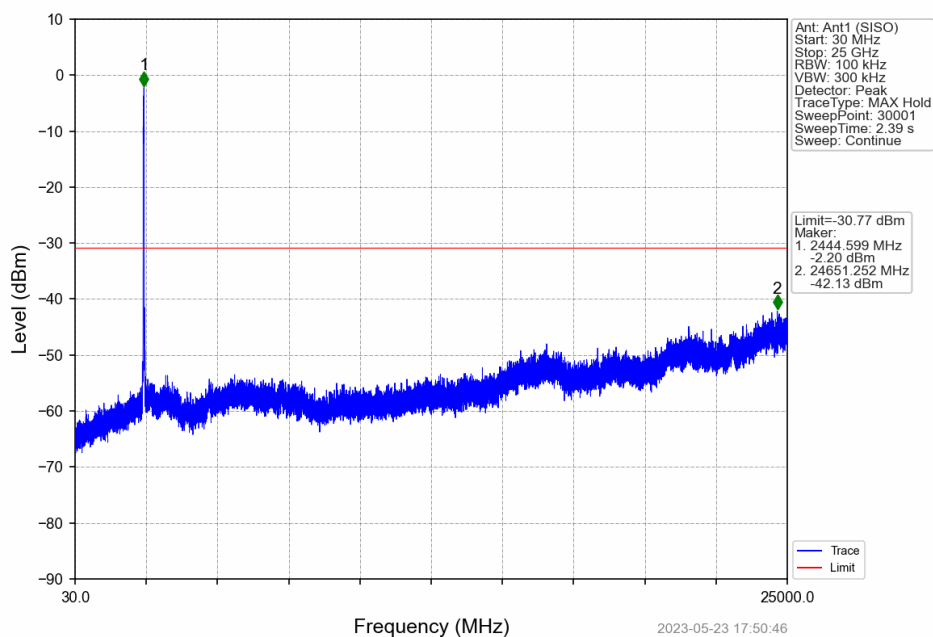




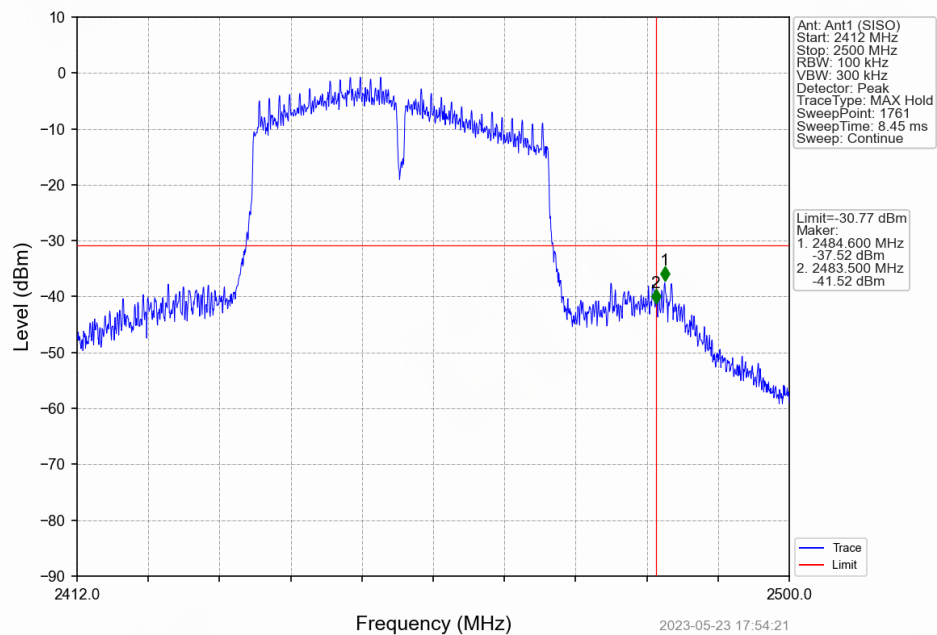
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

