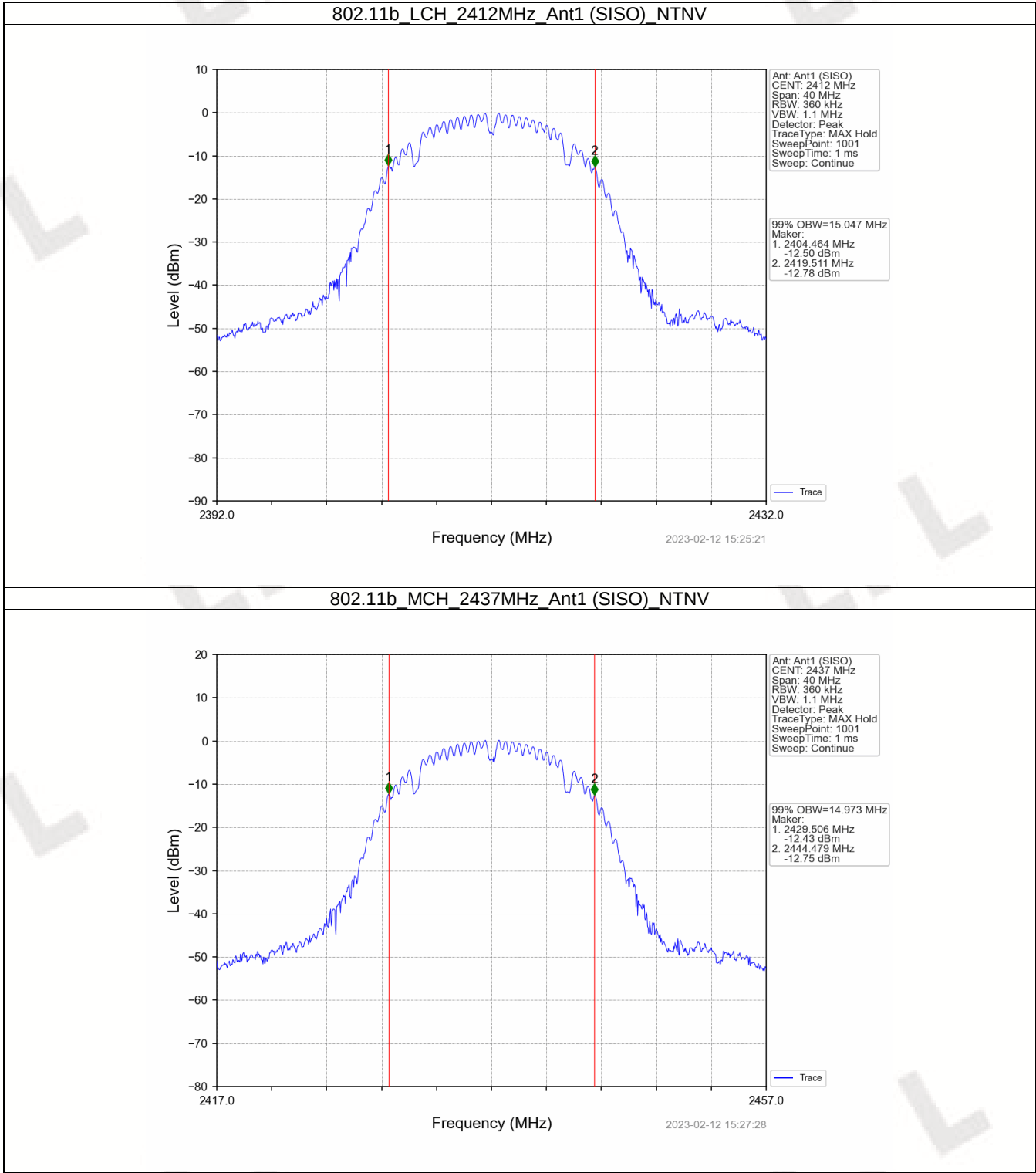


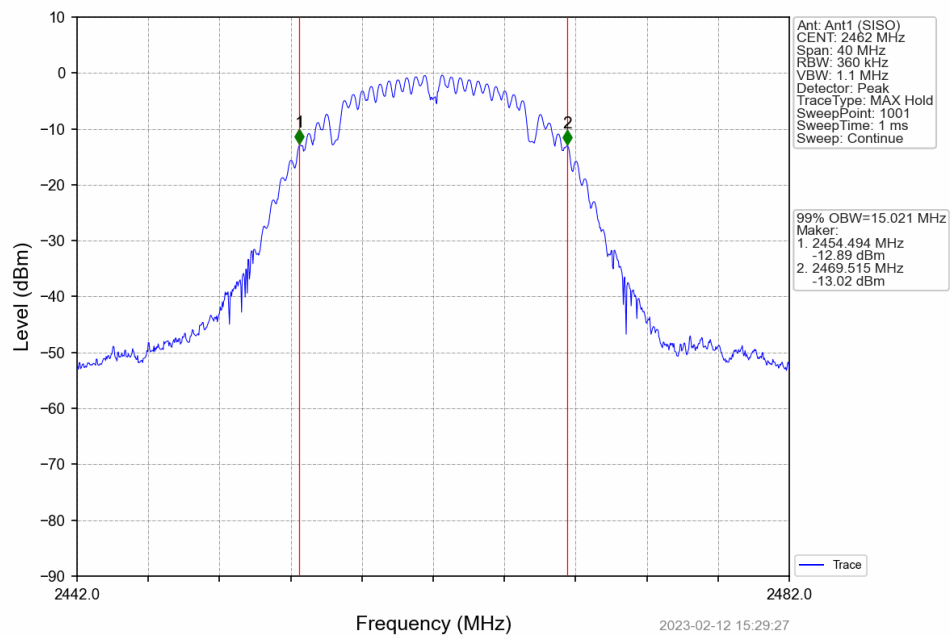
Test Data for 2.4G_WIFI**Product Name: Visual Fish Feeder****Test Model: O-1****1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	15.047	Pass
		2437	1	14.973	Pass
		2462	1	15.021	Pass
802.11g	SISO	2412	1	17.531	Pass
		2437	1	17.441	Pass
		2462	1	17.466	Pass
802.11n (HT20)	SISO	2412	1	18.368	Pass
		2437	1	18.305	Pass
		2462	1	18.346	Pass
802.11n (HT40)	SISO	2422	1	37.185	Pass
		2437	1	37.067	Pass
		2452	1	37.212	Pass

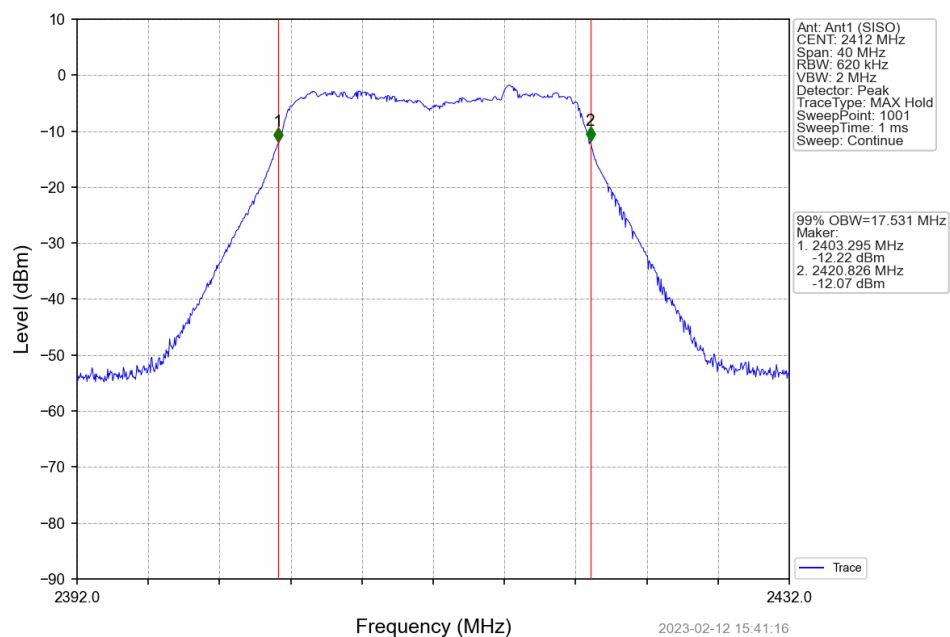
1.1.2 Test Graph



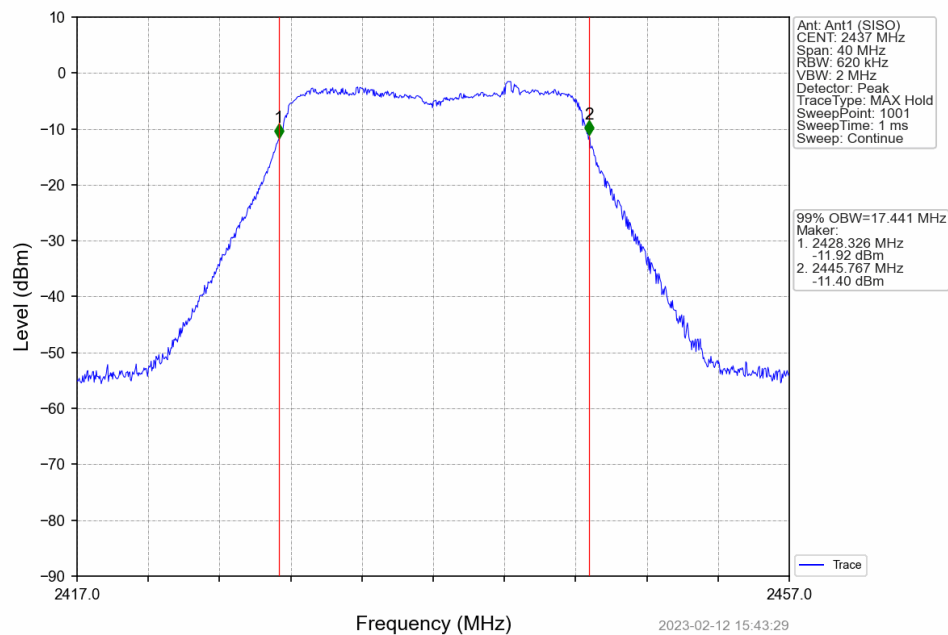
802.11b HCH 2462MHz Ant1 (SISO) NTN



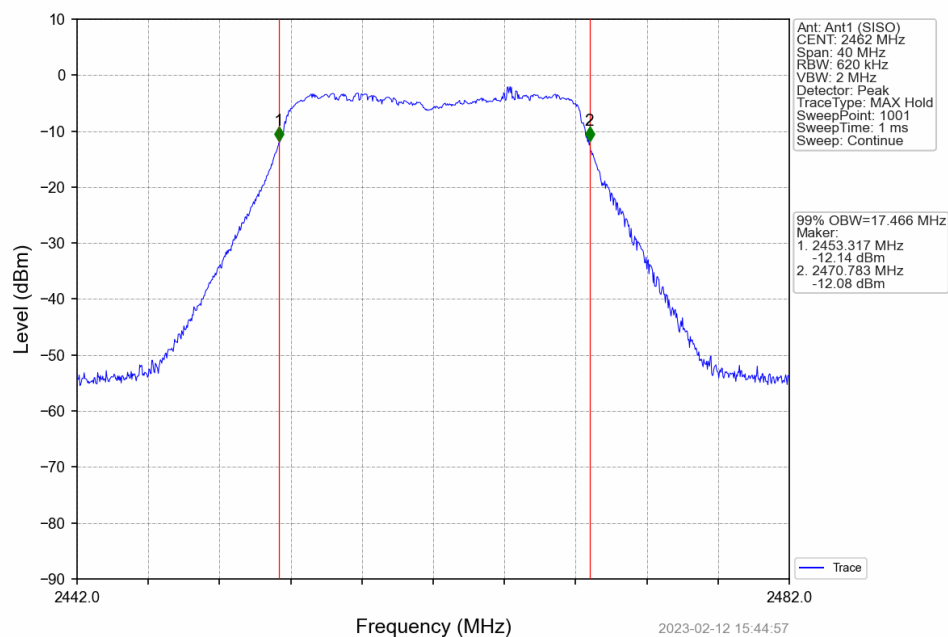
802.11g LCH 2412MHz Ant1 (SISO) NTN



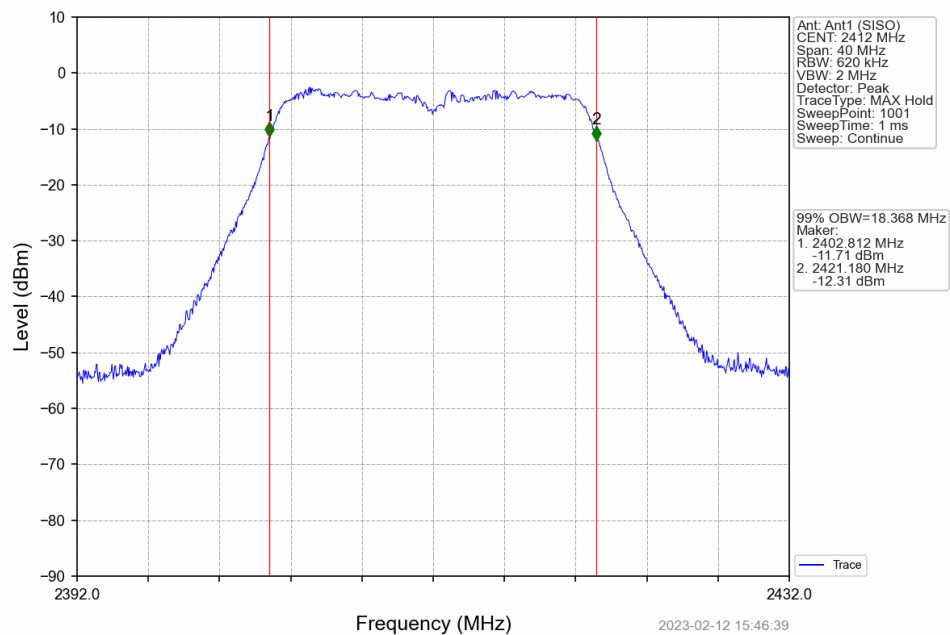
802.11g MCH 2437MHz Ant1 (SISO) NTN



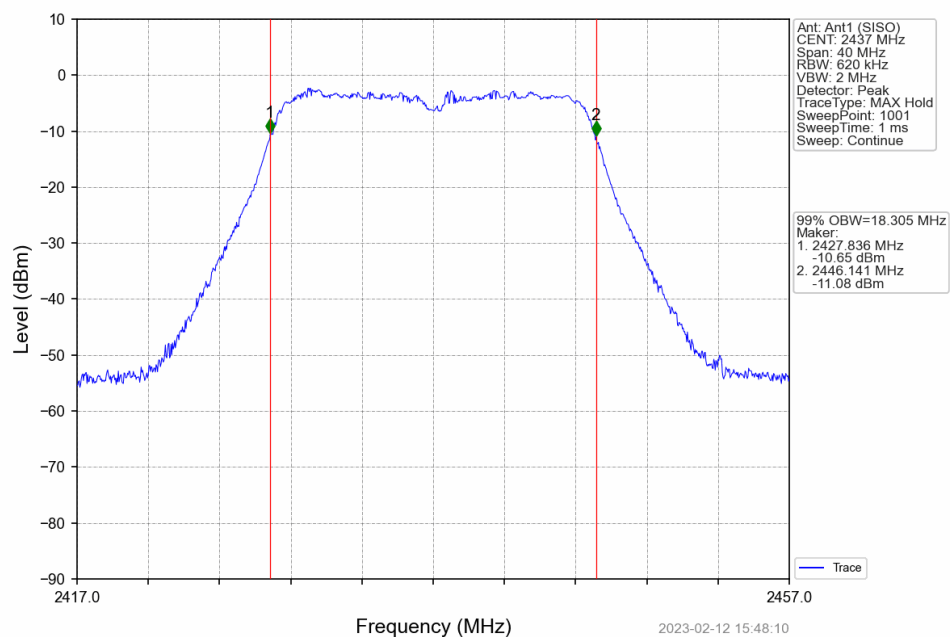
802.11g HCH 2462MHz Ant1 (SISO) NTN



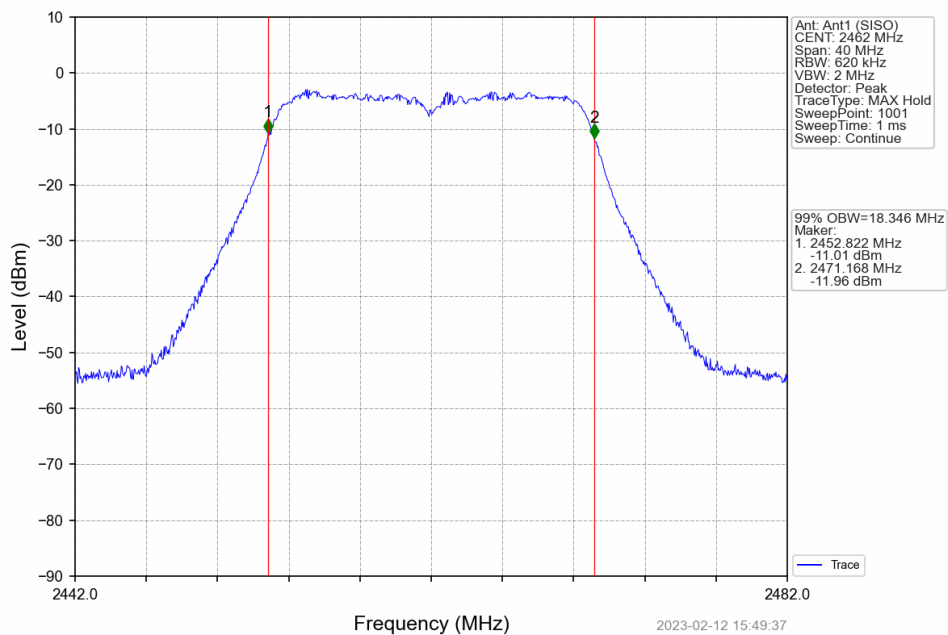
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



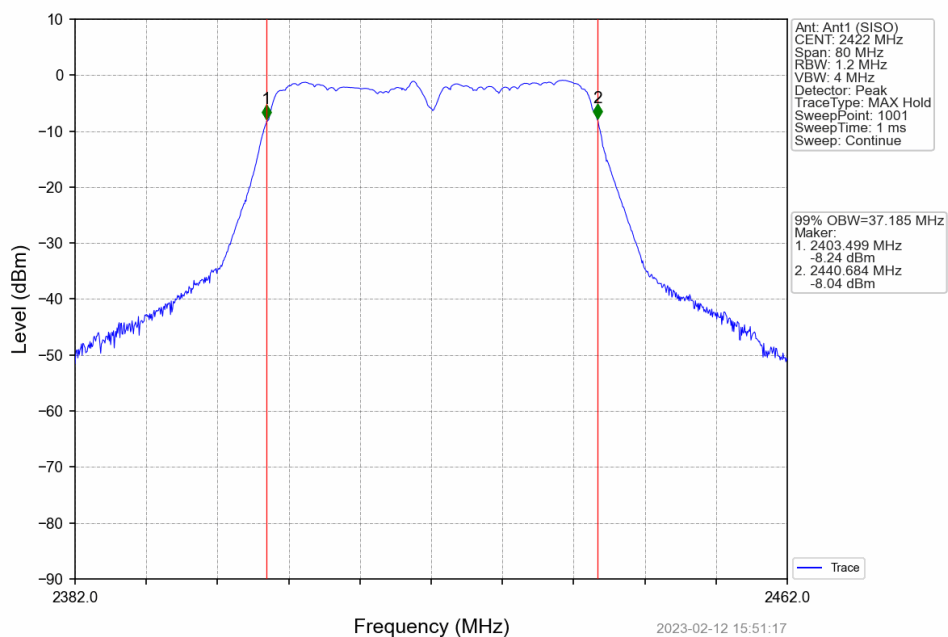
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



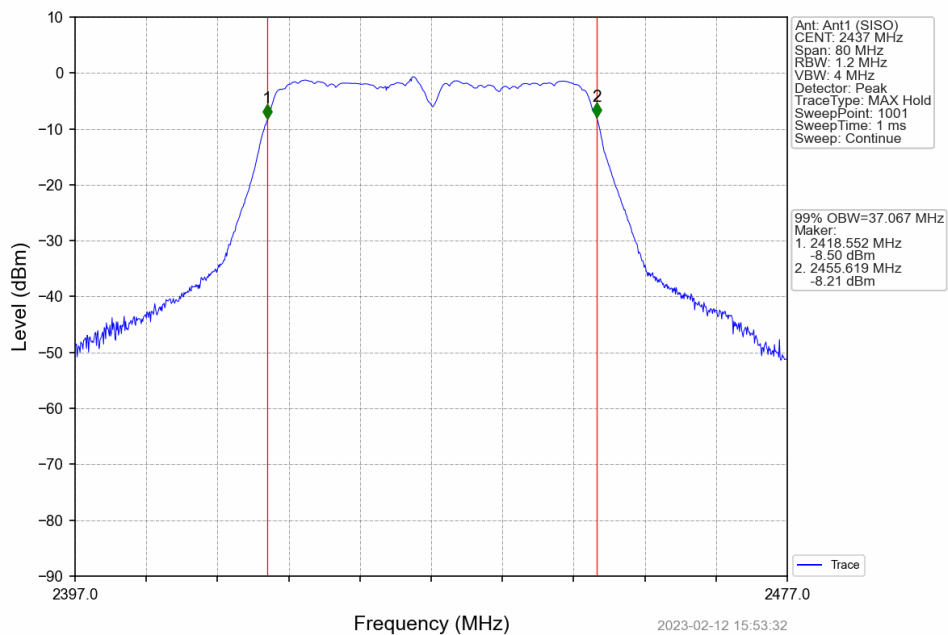
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



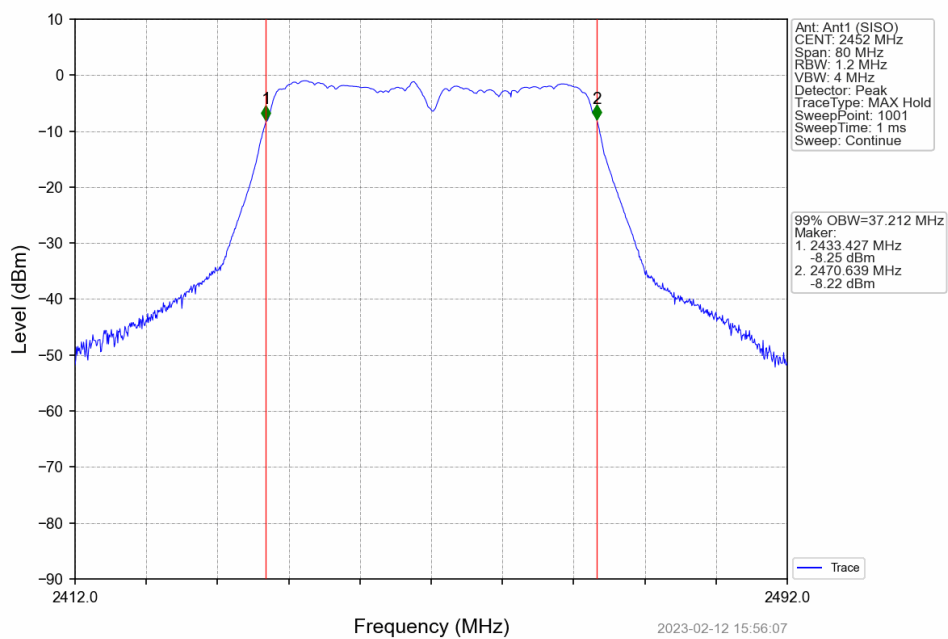
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTN



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTN



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTN

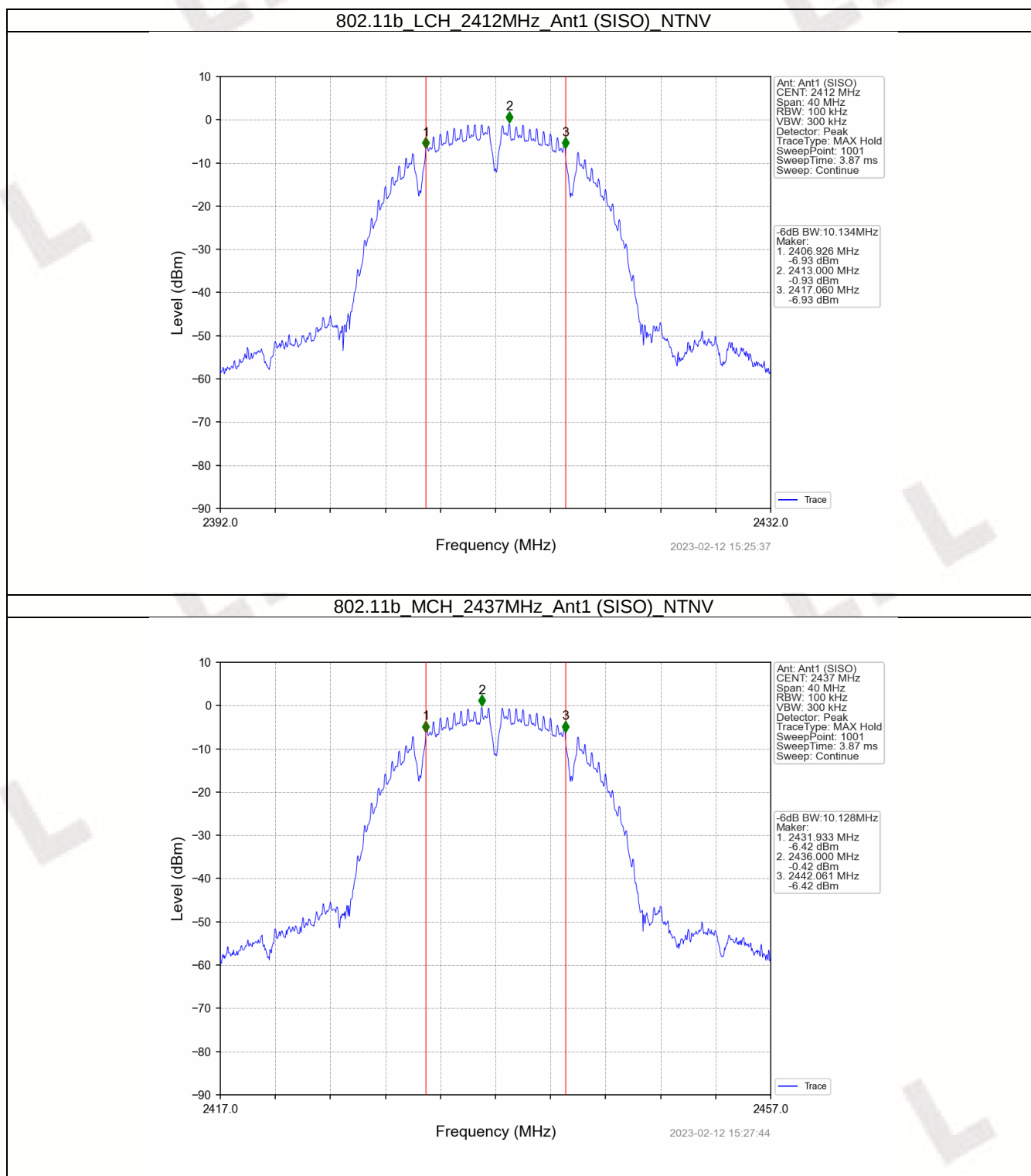


1.2 6dB BW

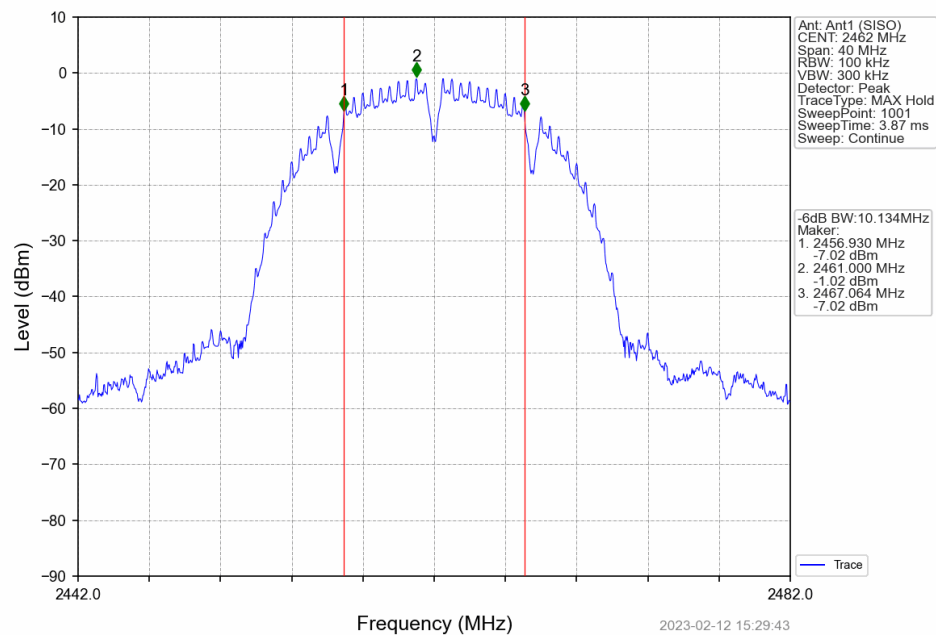
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.134	≥ 0.5	Pass
		2437	1	10.128	≥ 0.5	Pass
		2462	1	10.134	≥ 0.5	Pass
802.11g	SISO	2412	1	16.351	≥ 0.5	Pass
		2437	1	16.344	≥ 0.5	Pass
		2462	1	16.356	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.523	≥ 0.5	Pass
		2437	1	16.942	≥ 0.5	Pass
		2462	1	17.143	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.793	≥ 0.5	Pass
		2437	1	35.610	≥ 0.5	Pass
		2452	1	35.523	≥ 0.5	Pass

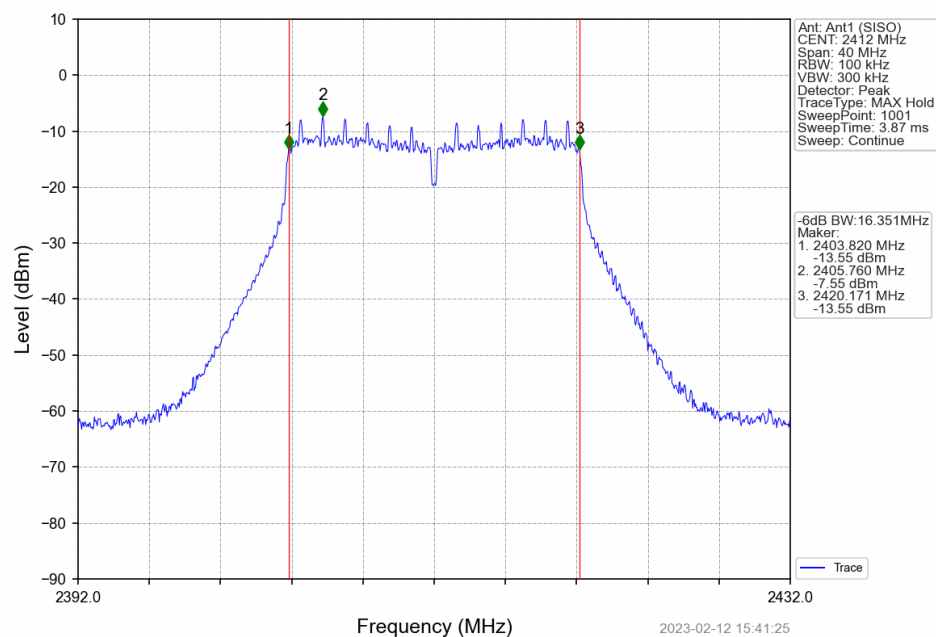
1.2.2 Test Graph

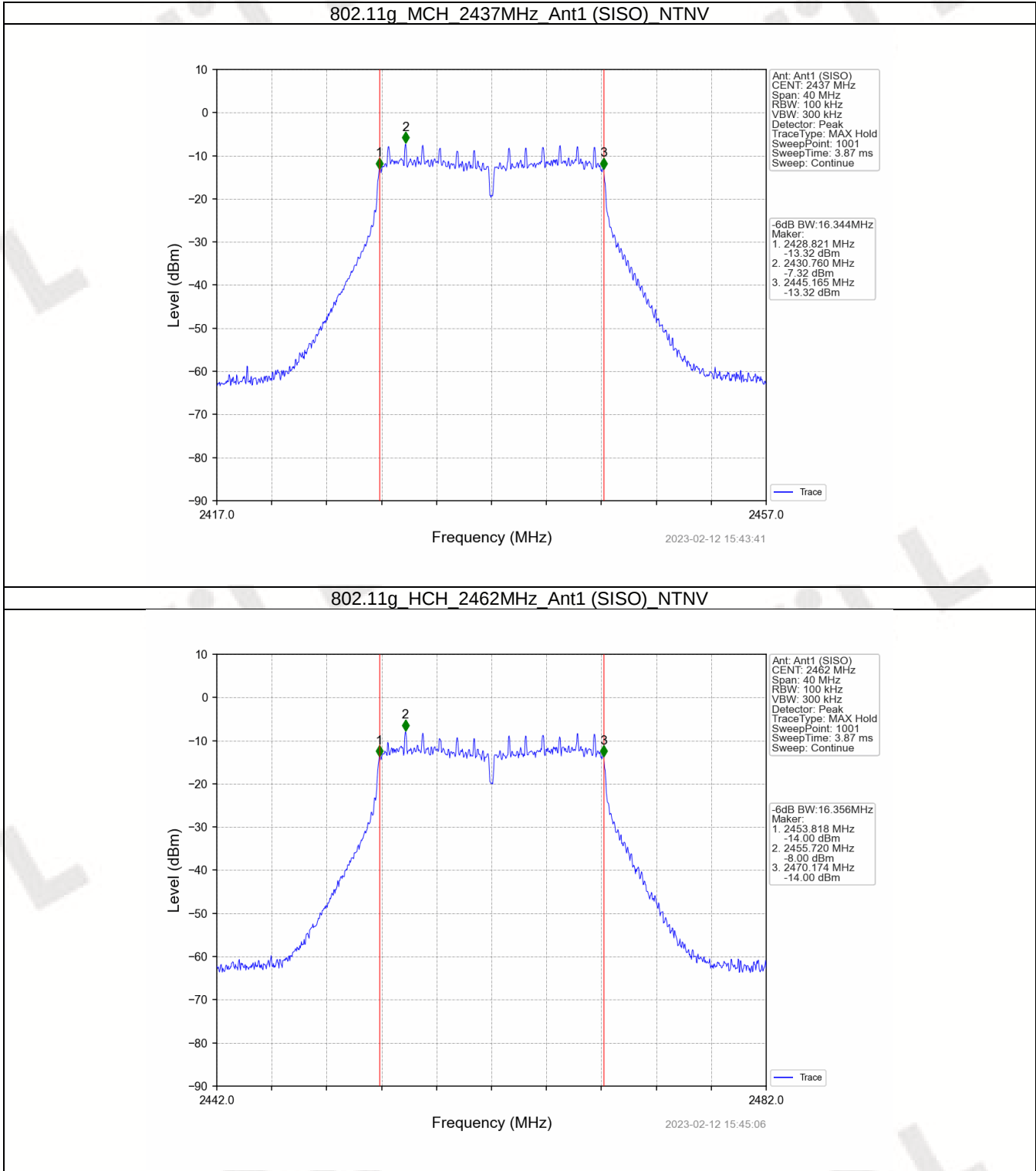


802.11b HCH 2462MHz Ant1 (SISO) NTN

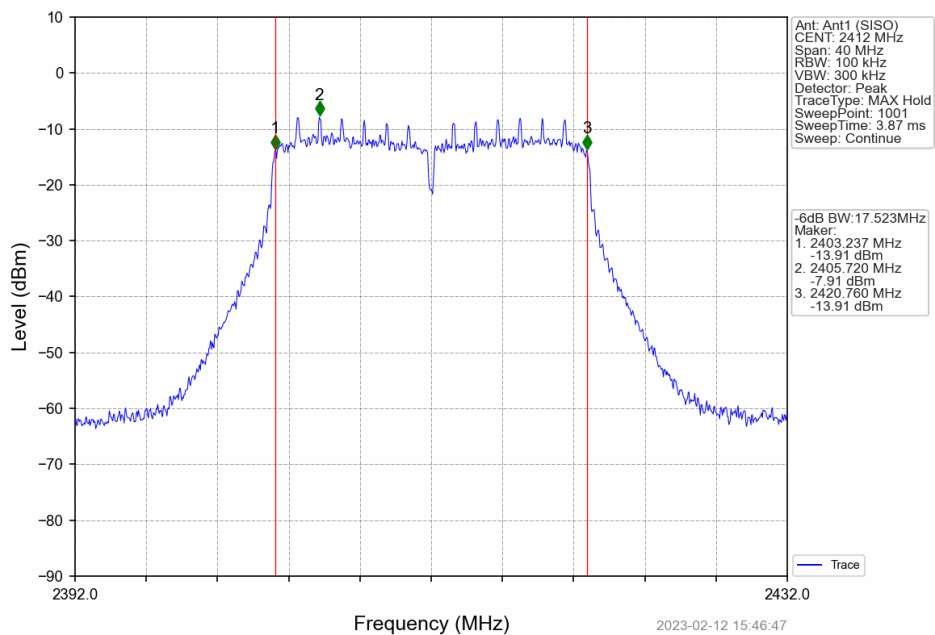


802.11g LCH 2412MHz Ant1 (SISO) NTN

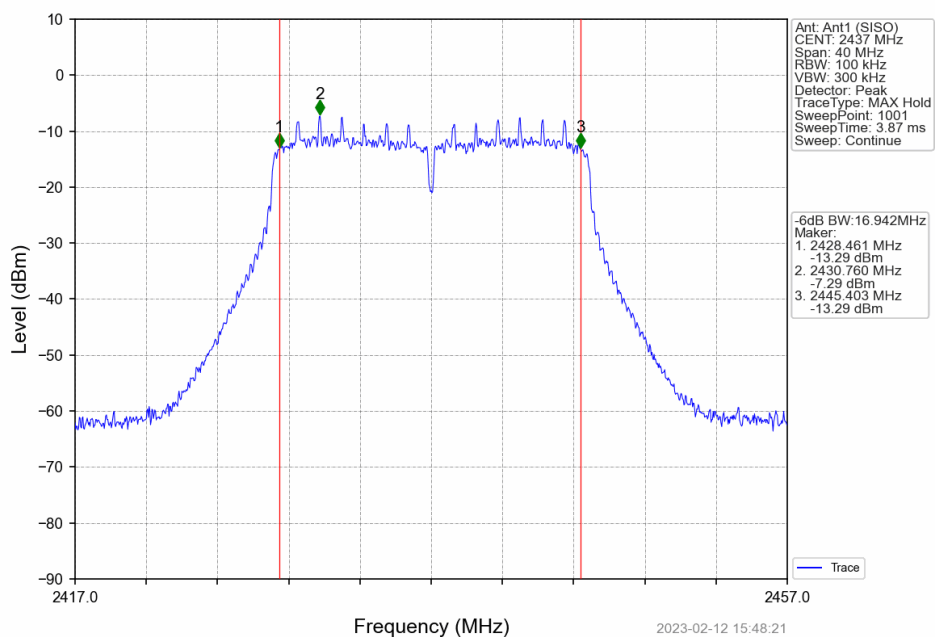




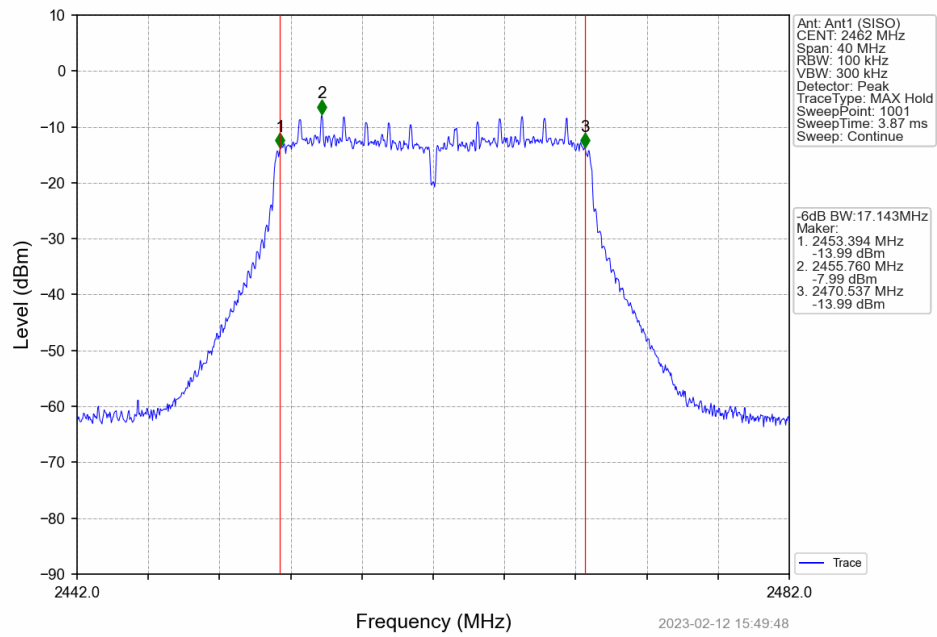
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



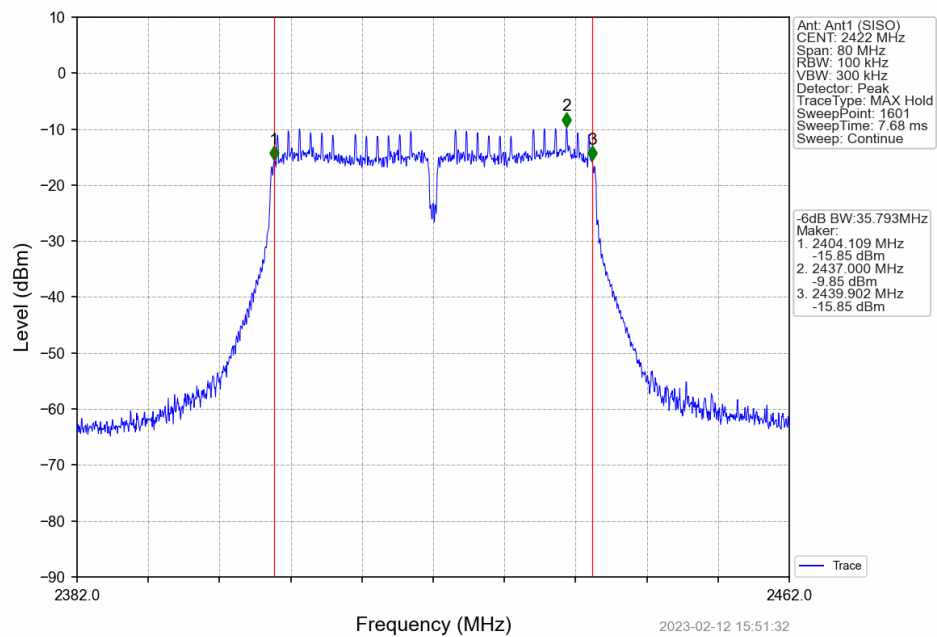
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



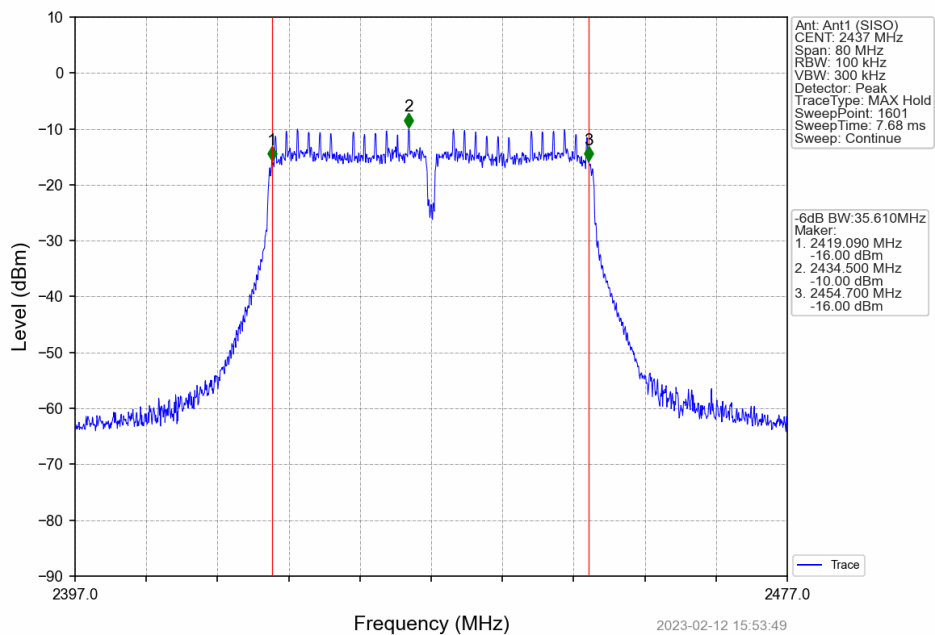
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



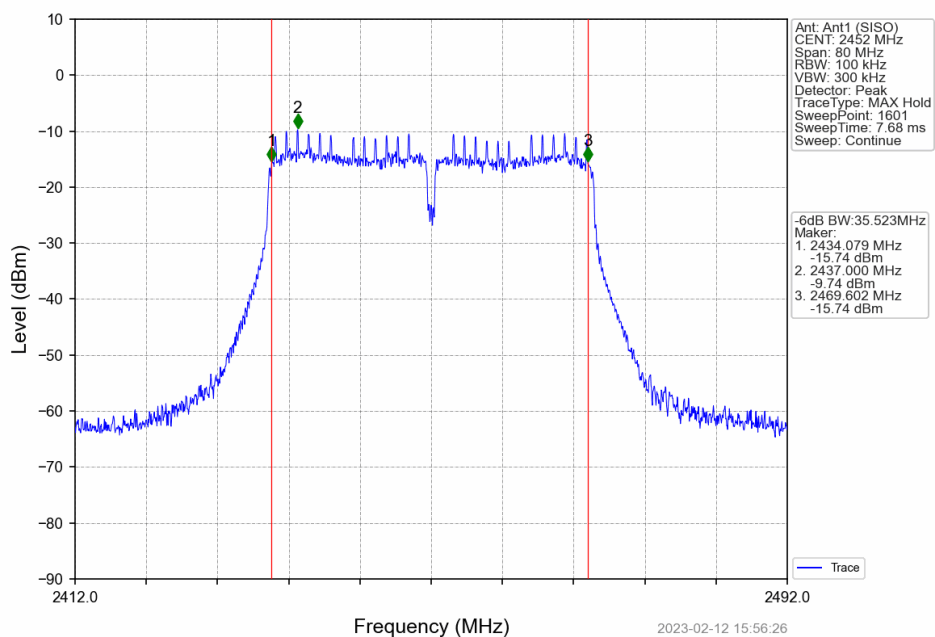
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTN



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTN



2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	11.20	<=30	Pass
		2437	11.54	<=30	Pass
		2462	10.92	<=30	Pass
802.11g	SISO	2412	10.81	<=30	Pass
		2437	11.07	<=30	Pass
		2462	10.49	<=30	Pass
802.11n (HT20)	SISO	2412	10.71	<=30	Pass
		2437	10.98	<=30	Pass
		2462	10.36	<=30	Pass
802.11n (HT40)	SISO	2422	11.72	<=30	Pass
		2437	11.71	<=30	Pass
		2452	11.49	<=30	Pass

Note1: Antenna Gain: Ant1: 1.80dBi;

3. Maximum Power Spectral Density

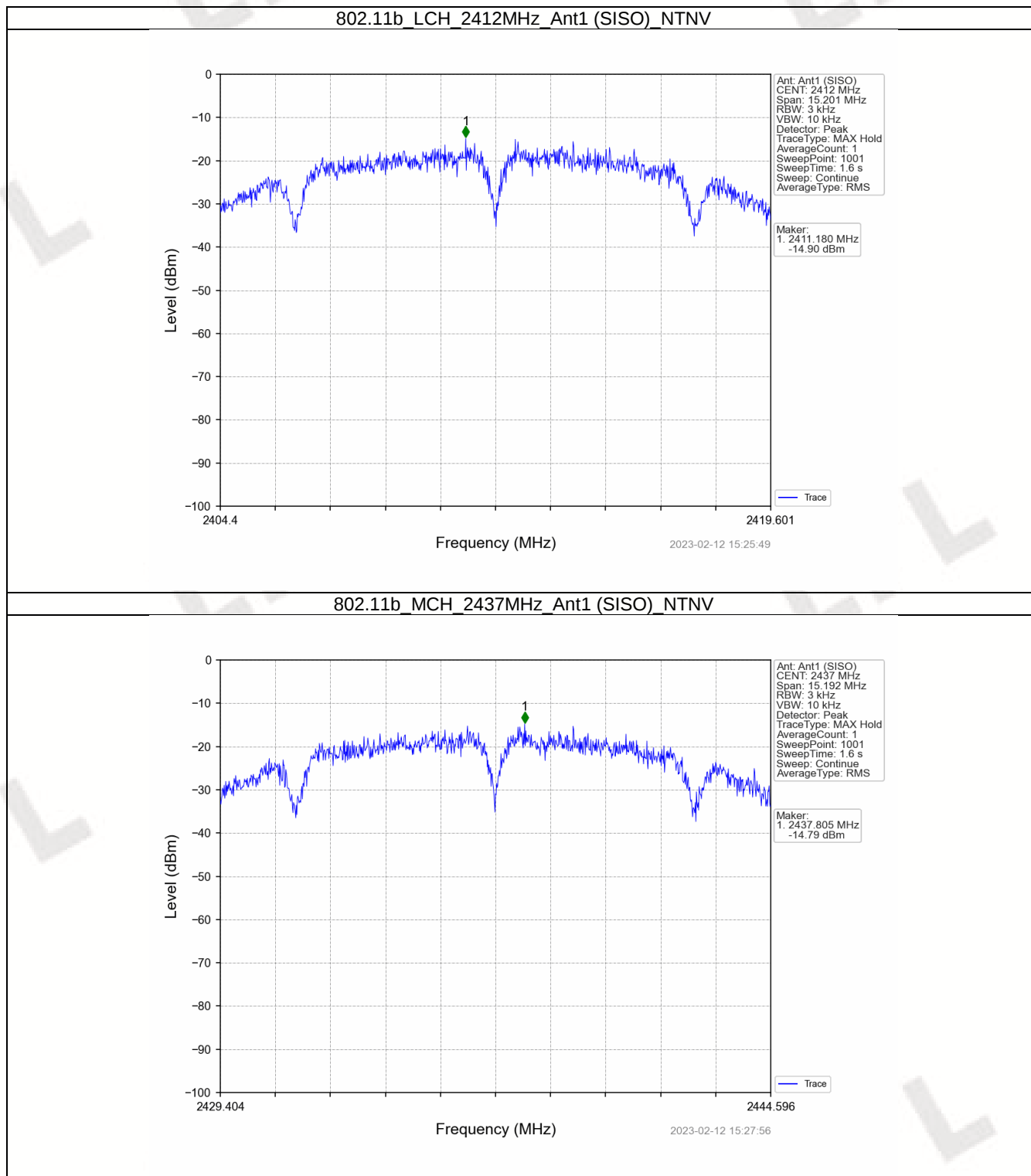
3.1 PSD

3.1.1 Test Result

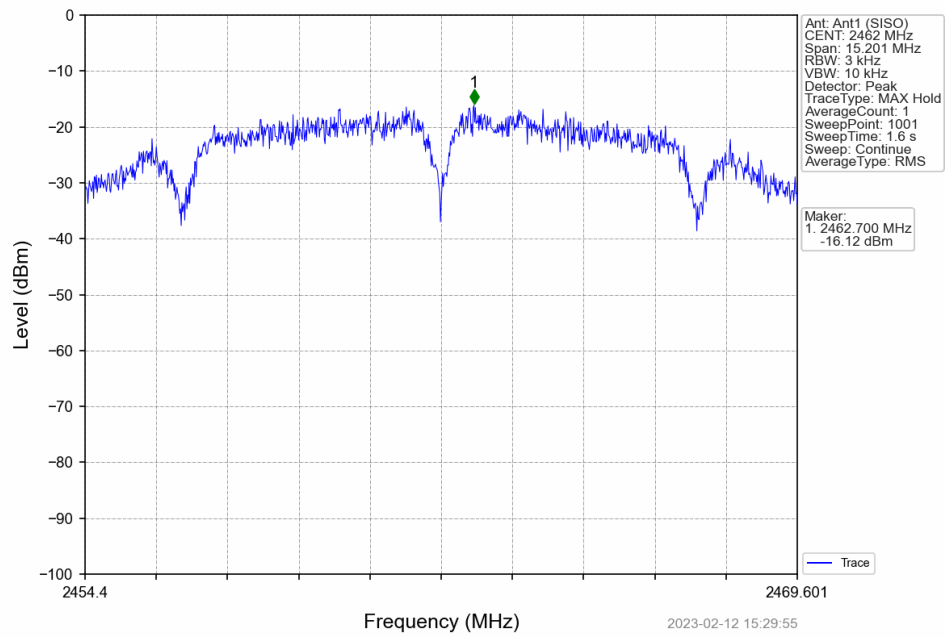
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-14.90	<=8	Pass
		2437	-14.79	<=8	Pass
		2462	-16.12	<=8	Pass
802.11g	SISO	2412	-22.45	<=8	Pass
		2437	-22.87	<=8	Pass
		2462	-23.09	<=8	Pass
802.11n (HT20)	SISO	2412	-22.27	<=8	Pass
		2437	-22.19	<=8	Pass
		2462	-22.80	<=8	Pass
802.11n (HT40)	SISO	2422	-25.07	<=8	Pass
		2437	-24.78	<=8	Pass
		2452	-26.12	<=8	Pass

Note1: Antenna Gain: Ant1: 1.80dBi;

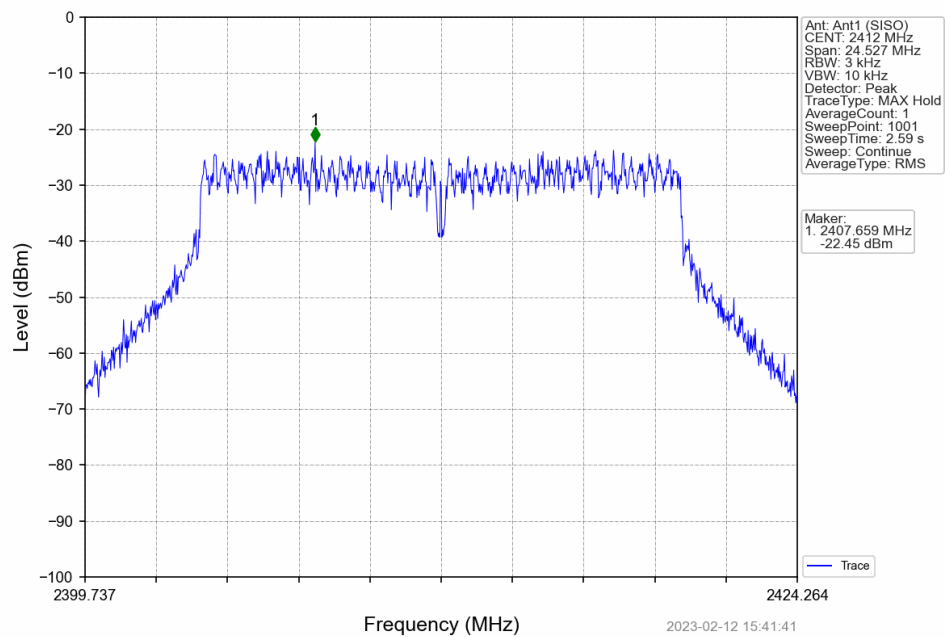
3.1.2 Test Graph



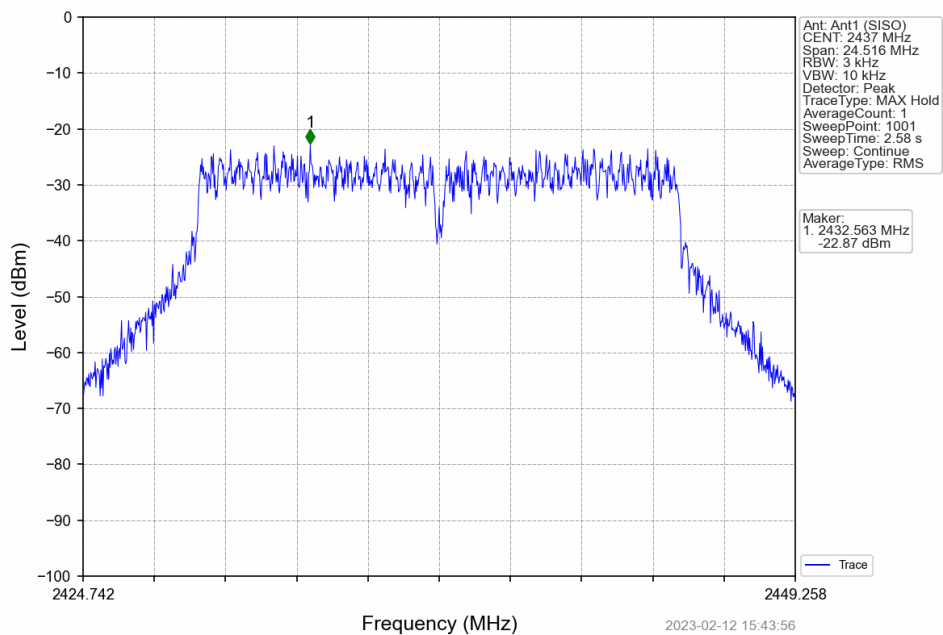
802.11b HCH 2462MHz Ant1 (SISO) NTN



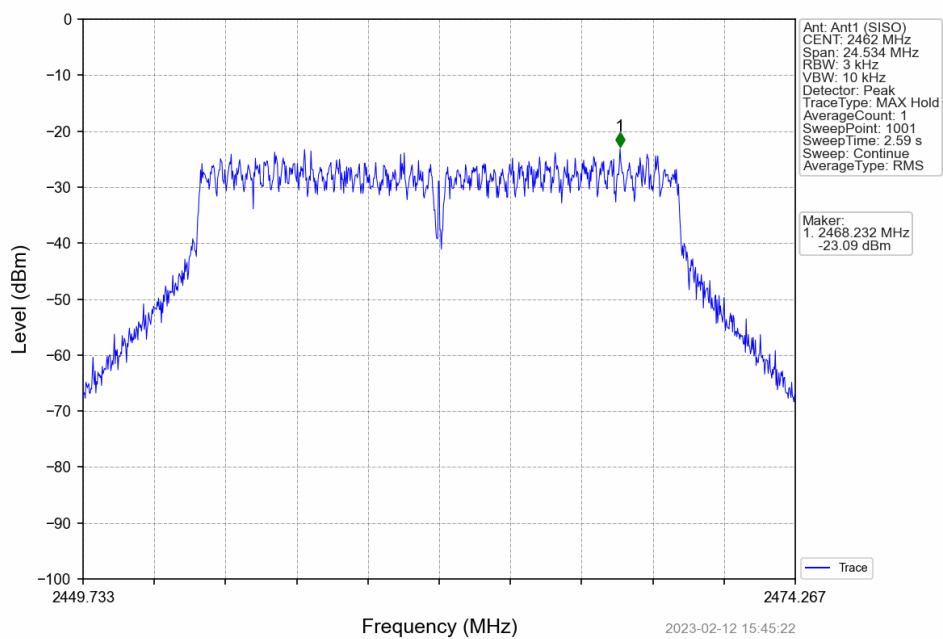
802.11g LCH 2412MHz Ant1 (SISO) NTN



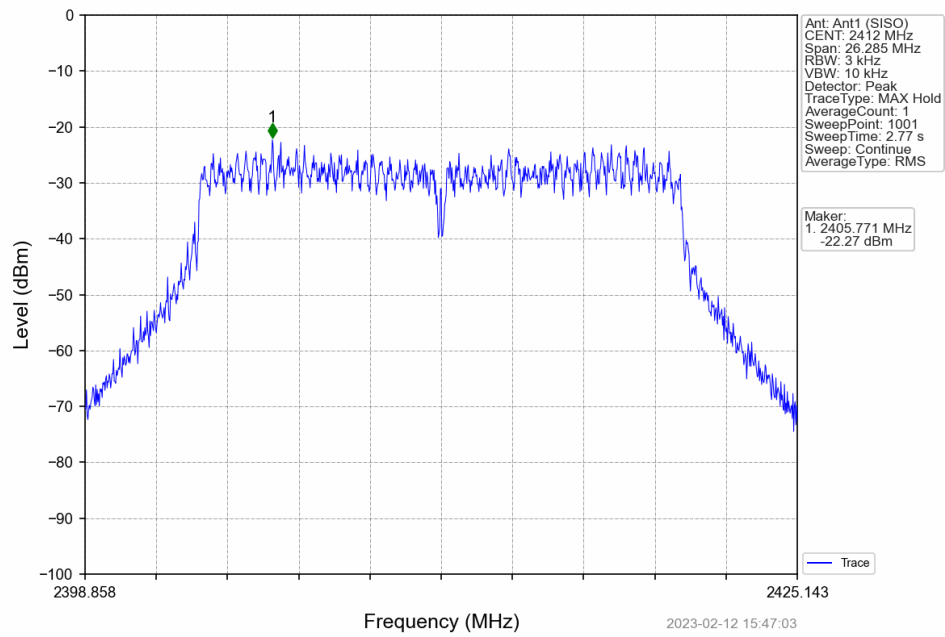
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



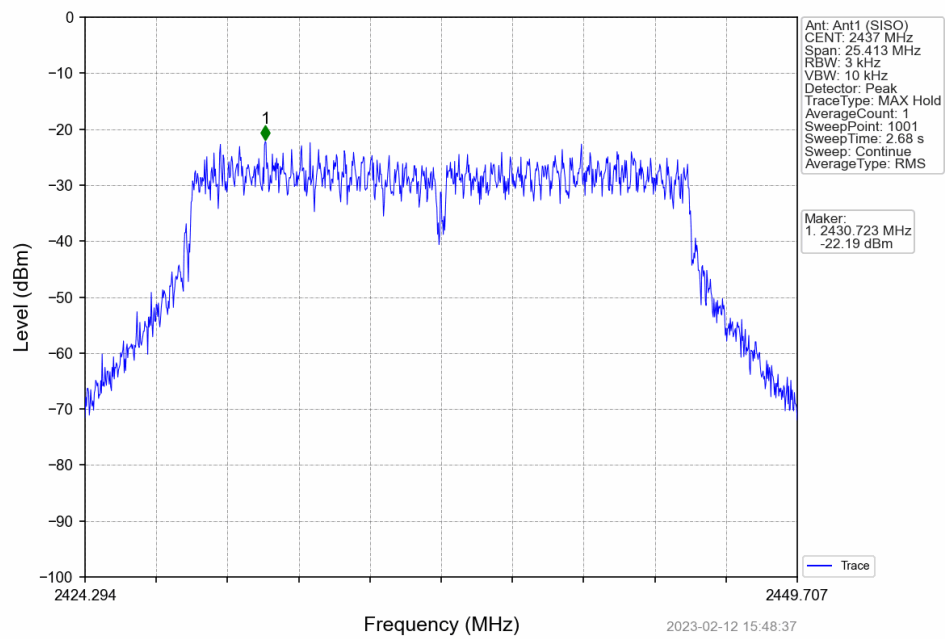
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



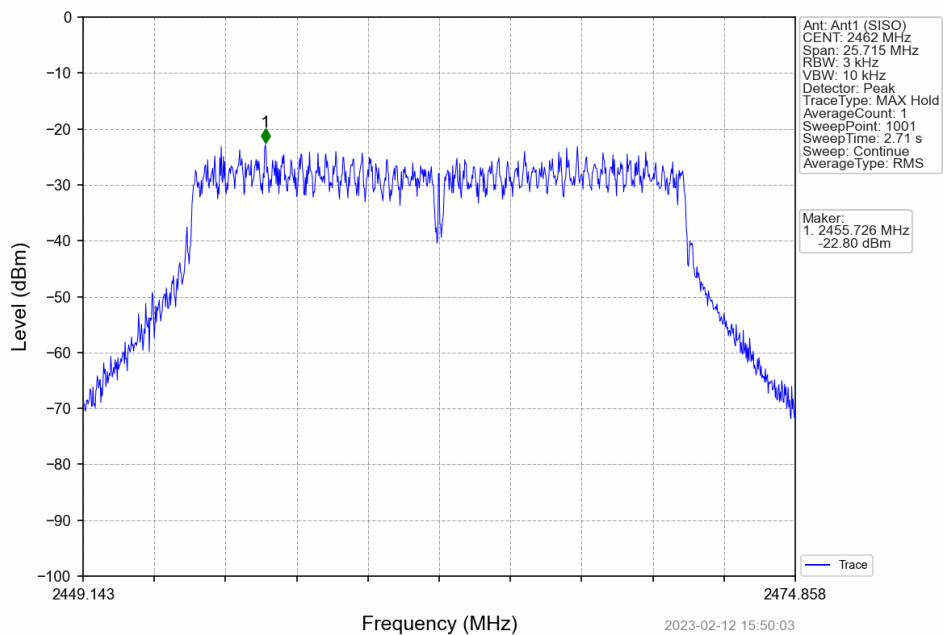
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



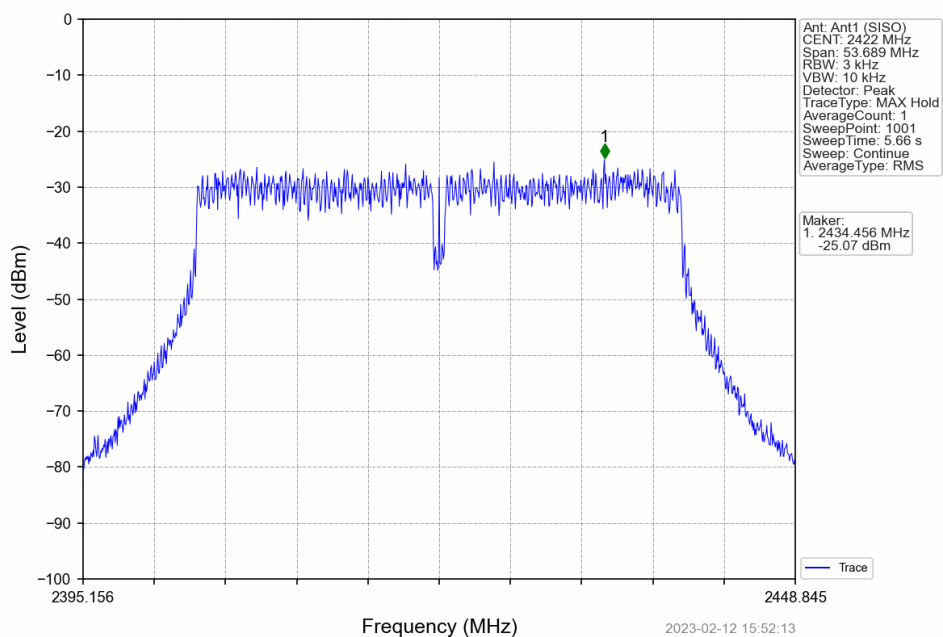
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



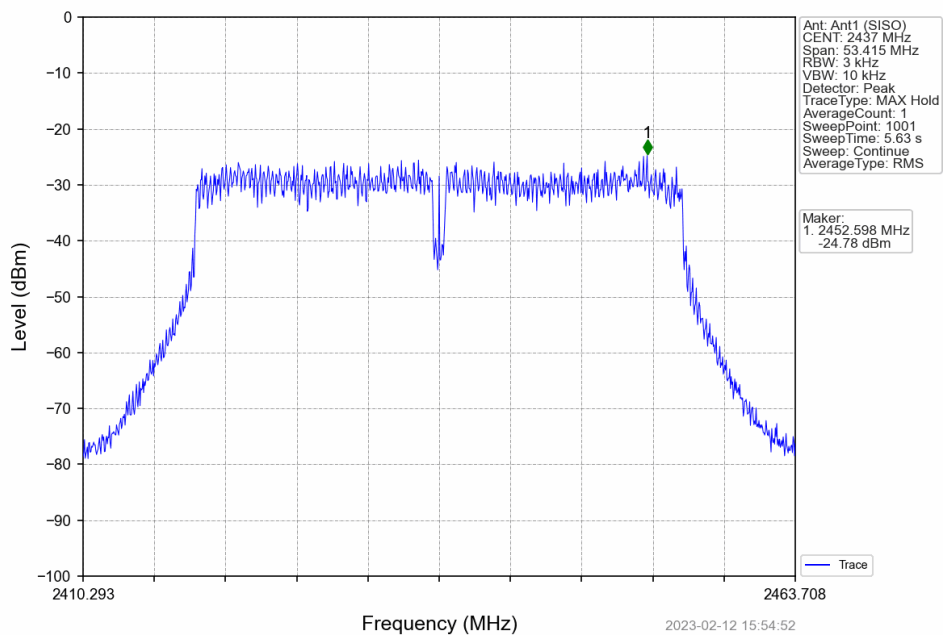
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



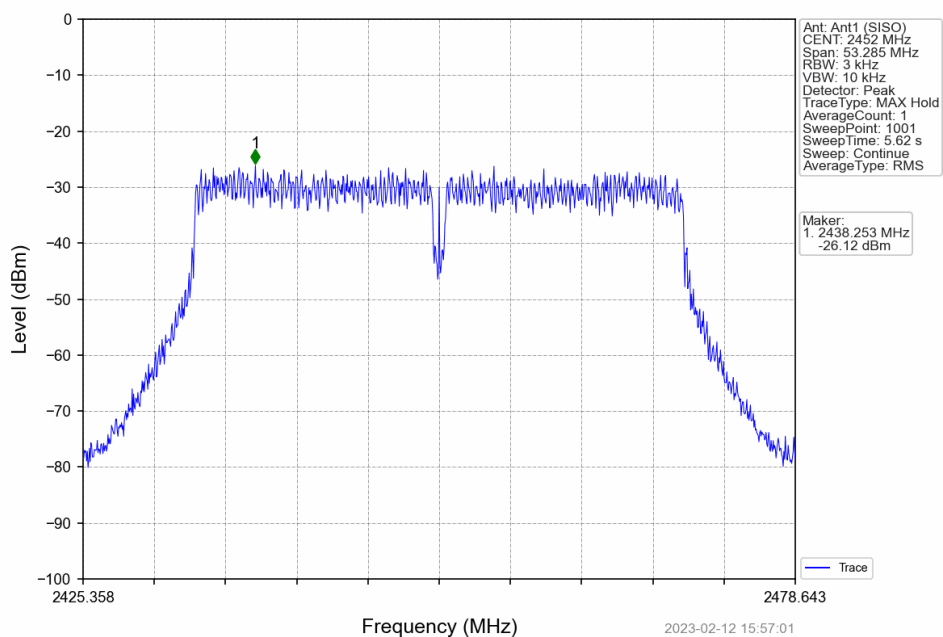
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTN



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTN



4. Unwanted Emissions In Non-restricted Frequency Bands

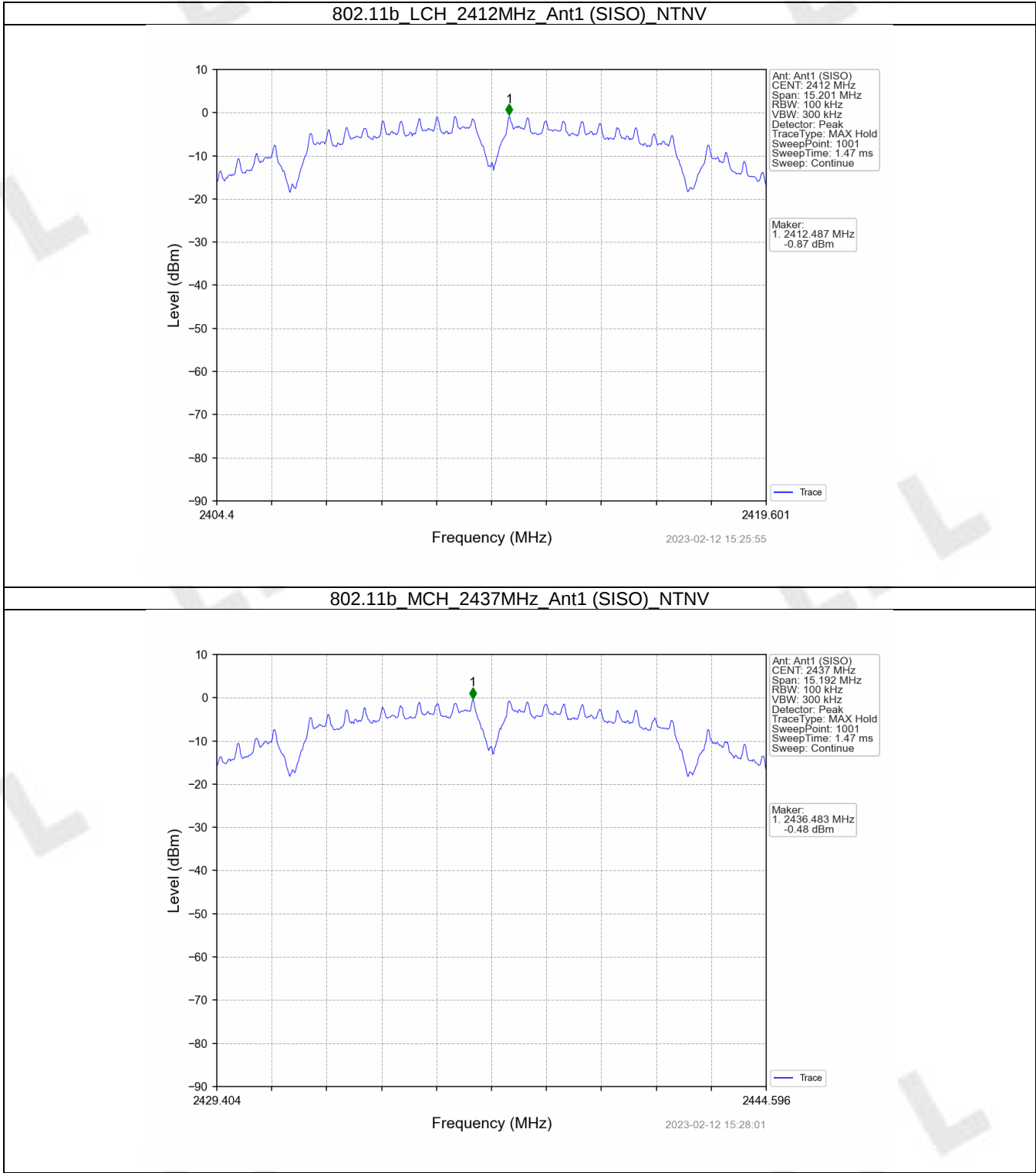
4.1 Ref

4.1.1 Test Result

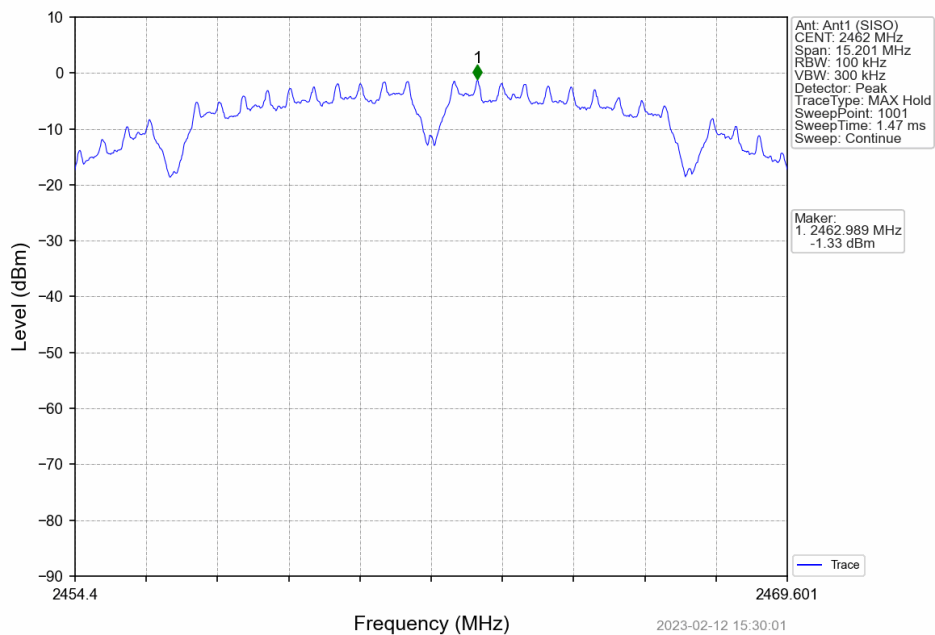
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-0.87
		2437	1	-0.48
		2462	1	-1.33
802.11g	SISO	2412	1	-7.89
		2437	1	-7.37
		2462	1	-7.98
802.11n (HT20)	SISO	2412	1	-7.83
		2437	1	-7.33
		2462	1	-7.97
802.11n (HT40)	SISO	2422	1	-9.61
		2437	1	-10.07
		2452	1	-10.17

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.

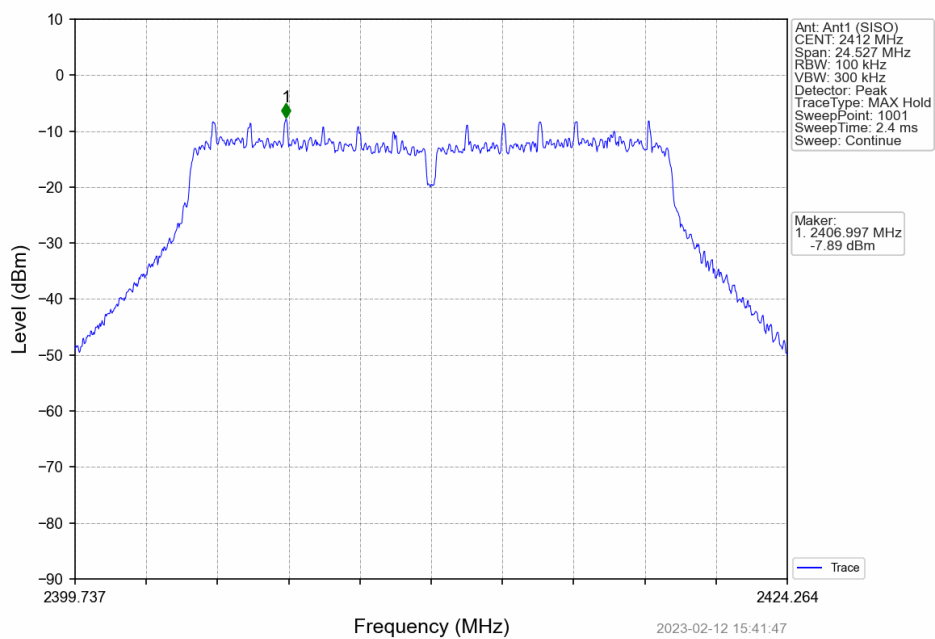
4.1.2 Test Graph



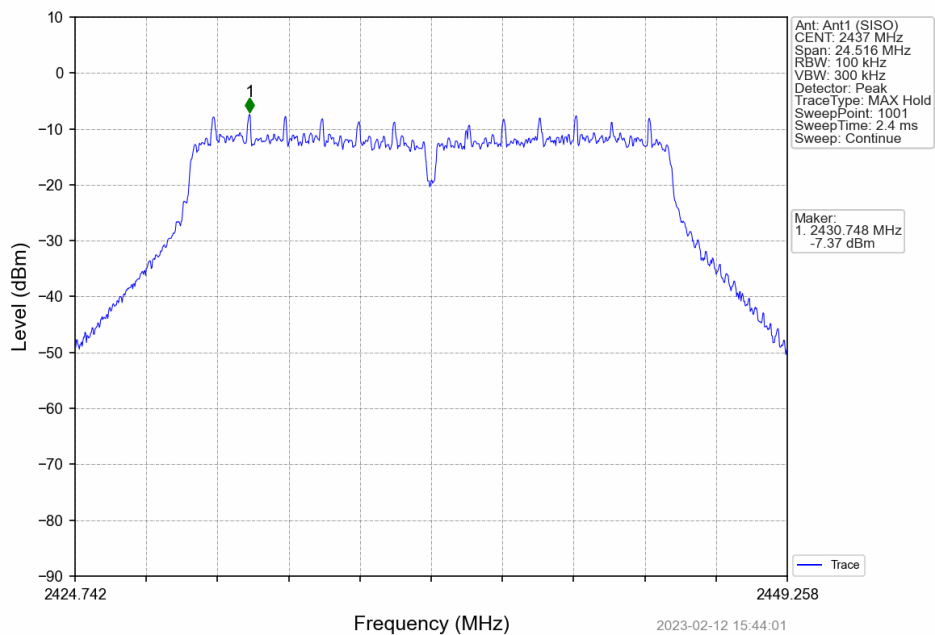
802.11b HCH 2462MHz Ant1 (SISO) NTN



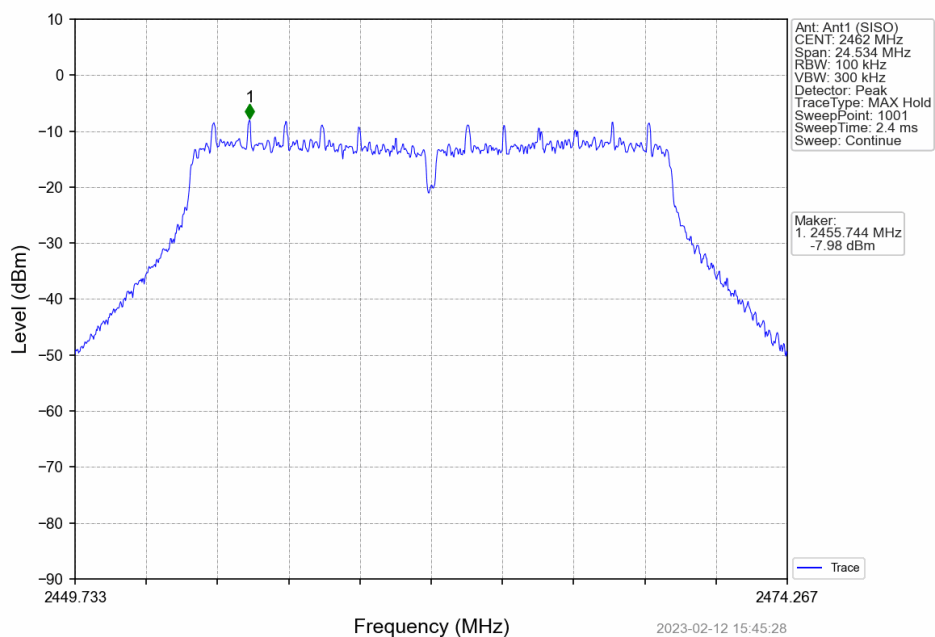
802.11g LCH 2412MHz Ant1 (SISO) NTN



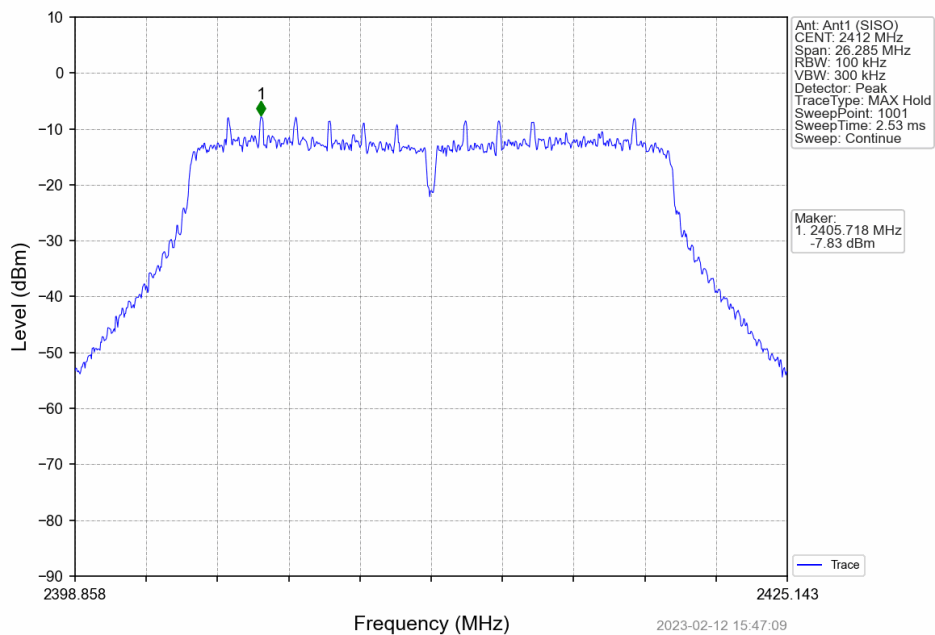
802.11g MCH 2437MHz Ant1 (SISO) NTN



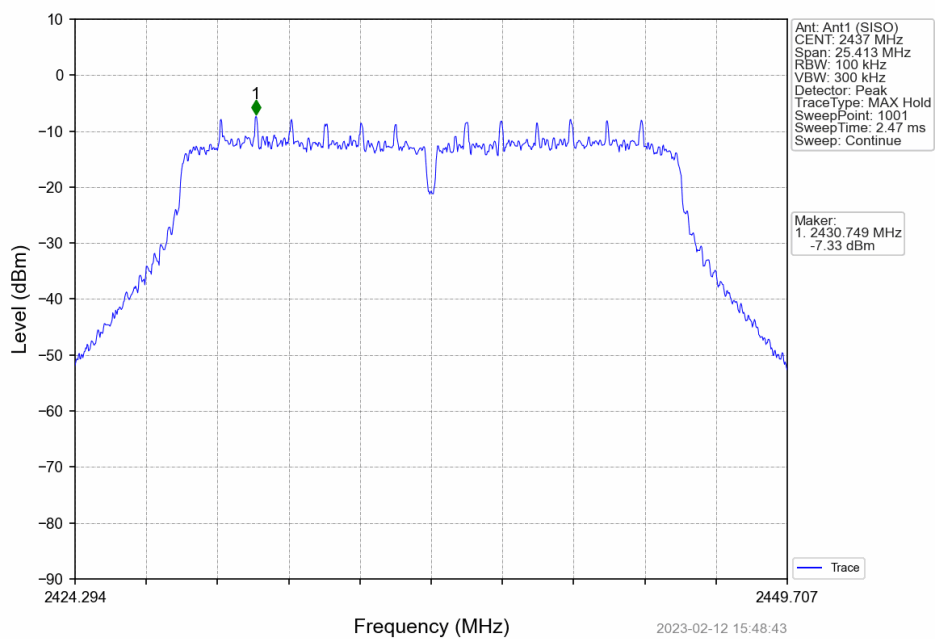
802.11g HCH 2462MHz Ant1 (SISO) NTN



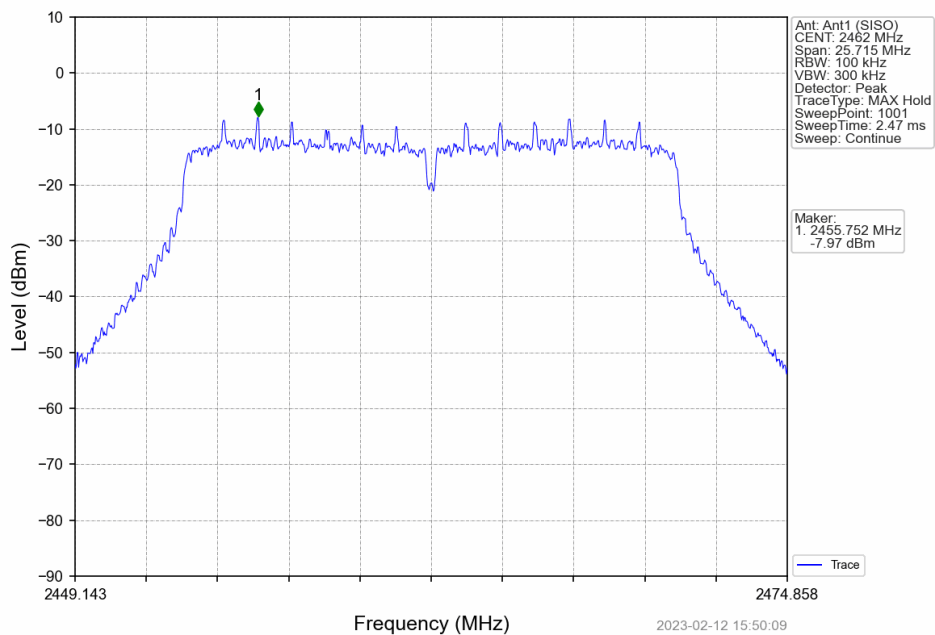
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



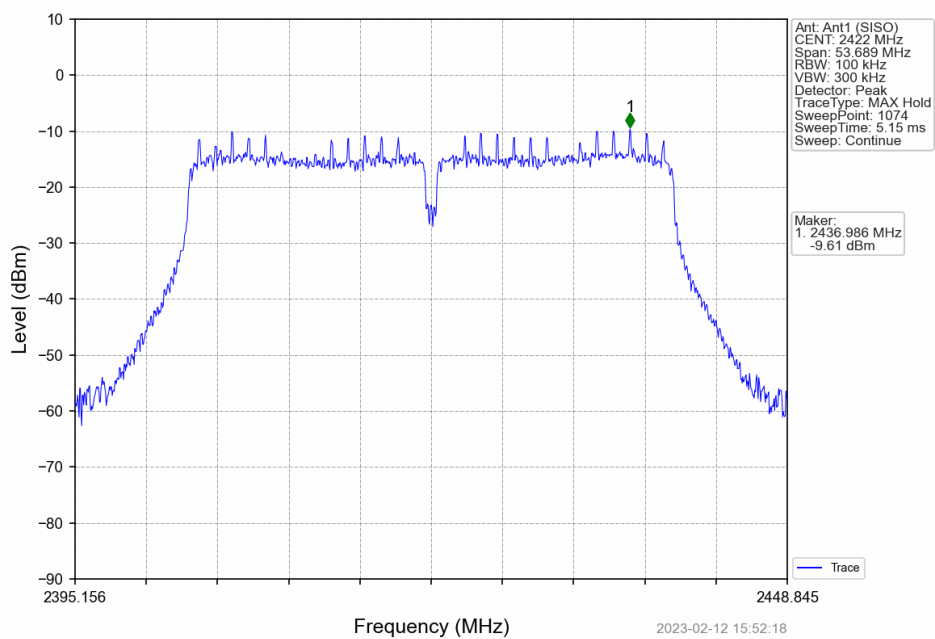
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV

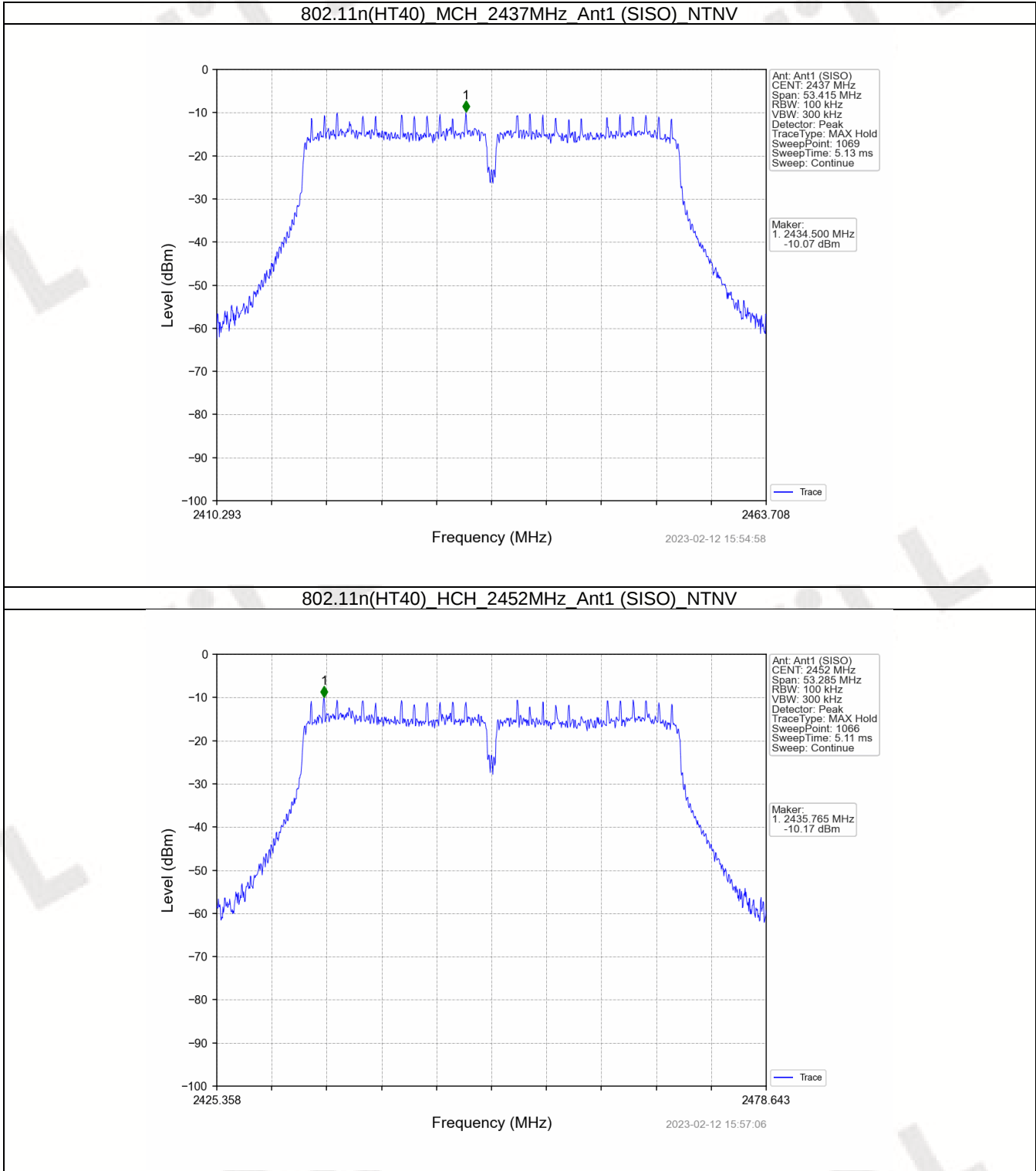


802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV





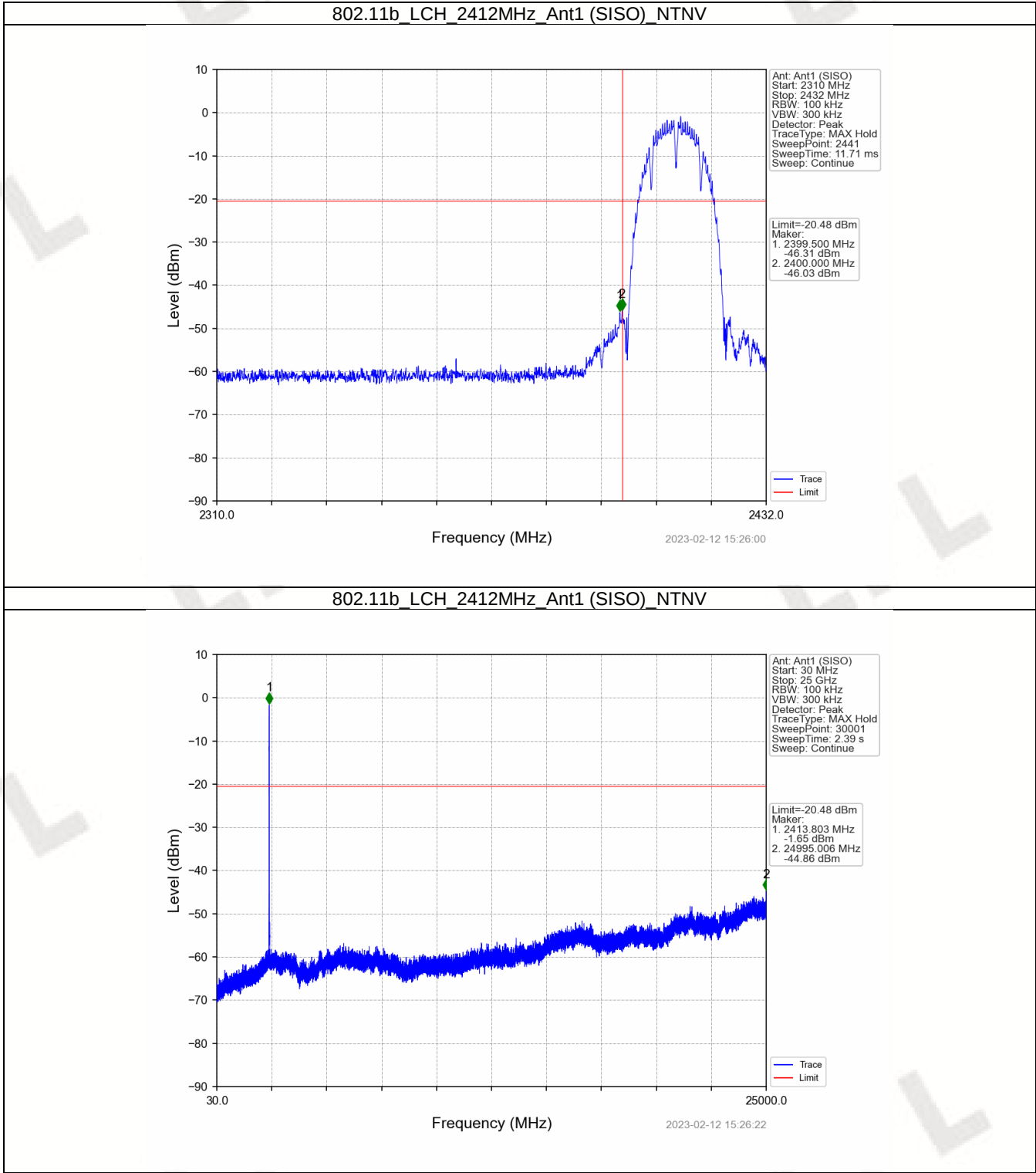
4.2 CSE

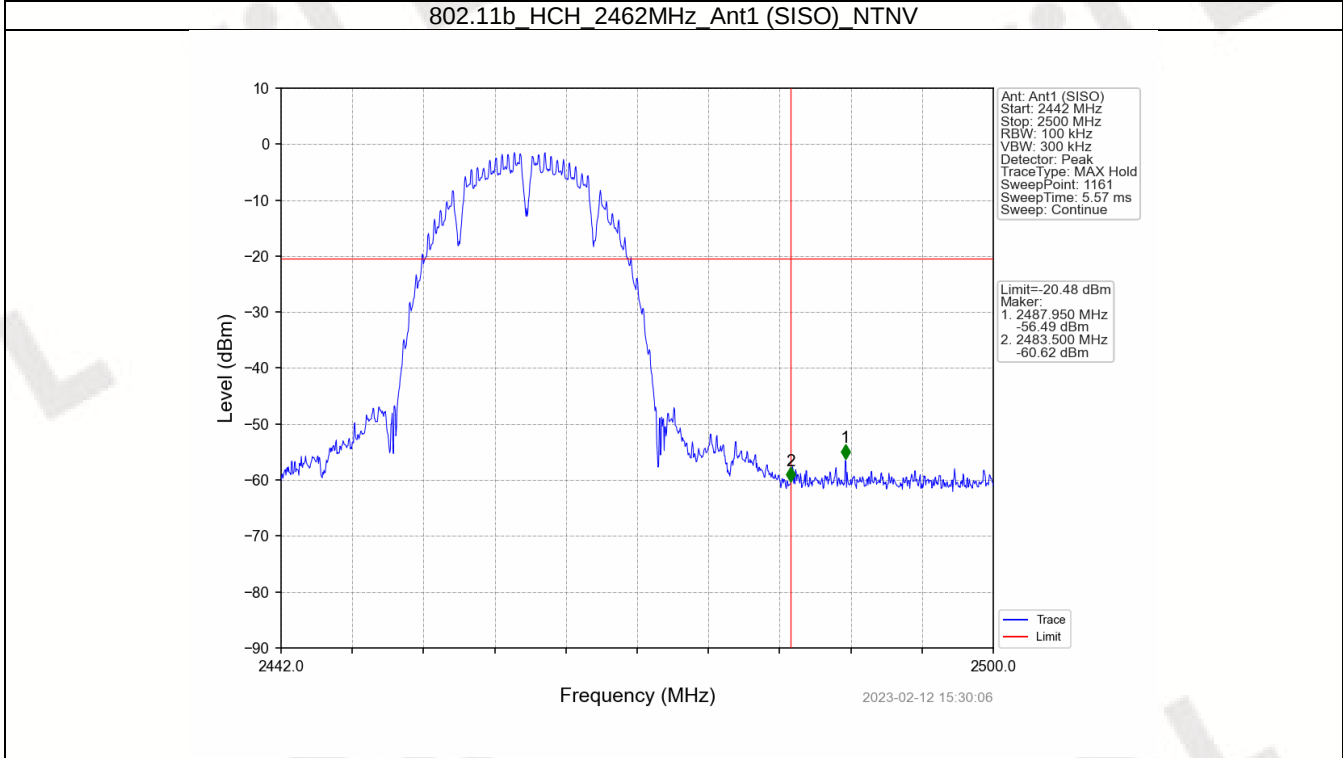
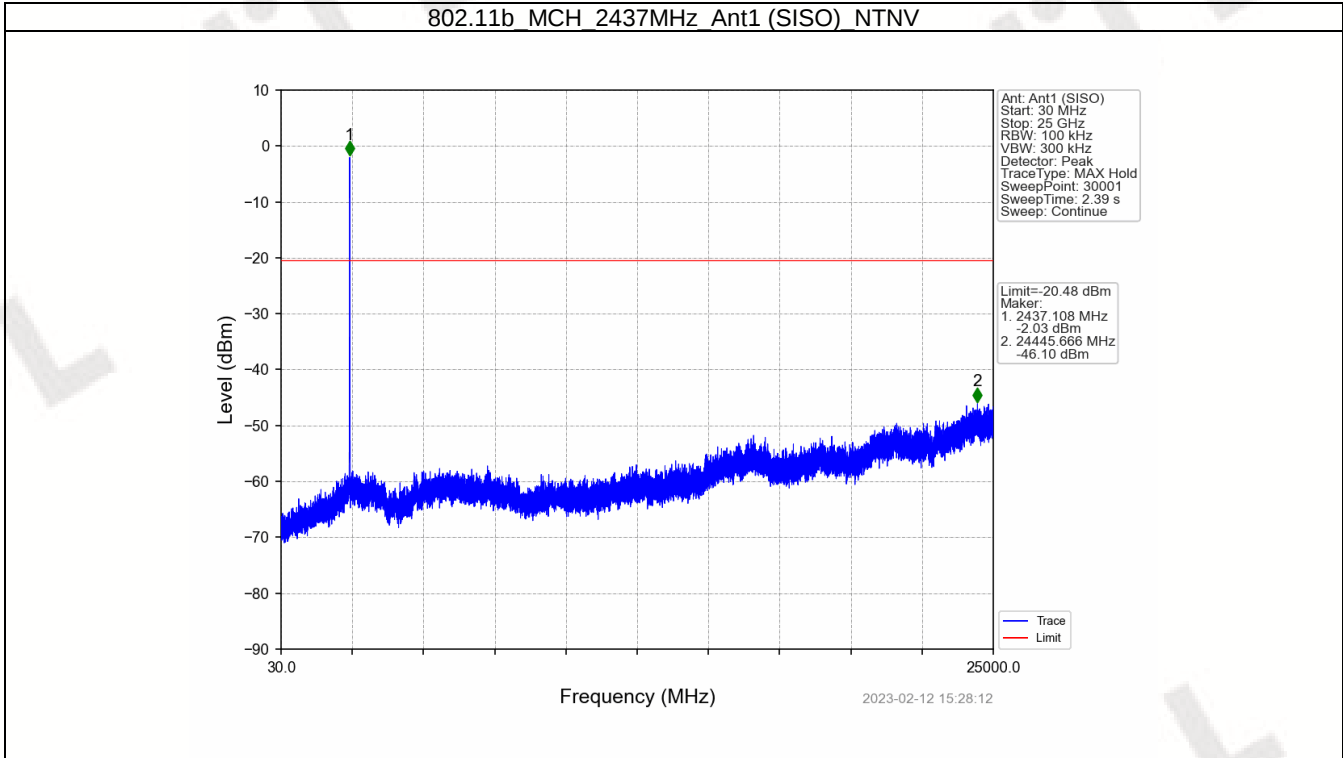
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-0.48	-20.48	Pass
		2437	1	-0.48	-20.48	Pass
		2462	1	-0.48	-20.48	Pass
802.11g	SISO	2412	1	-7.37	-27.37	Pass
		2437	1	-7.37	-27.37	Pass
		2462	1	-7.37	-27.37	Pass
802.11n (HT20)	SISO	2412	1	-7.33	-27.33	Pass
		2437	1	-7.33	-27.33	Pass
		2462	1	-7.33	-27.33	Pass
802.11n (HT40)	SISO	2422	1	-9.61	-29.61	Pass
		2437	1	-9.61	-29.61	Pass
		2452	1	-9.61	-29.61	Pass

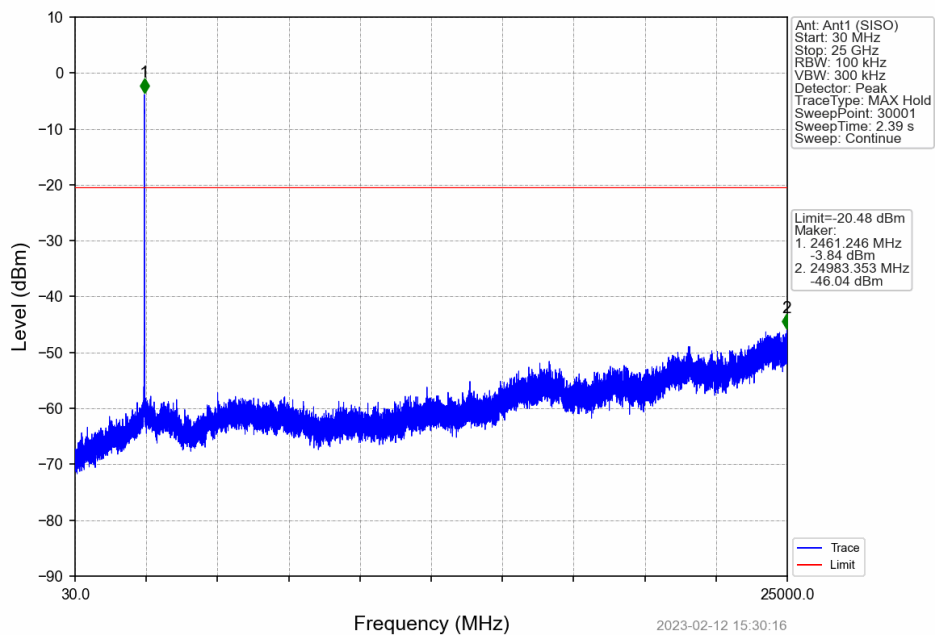
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

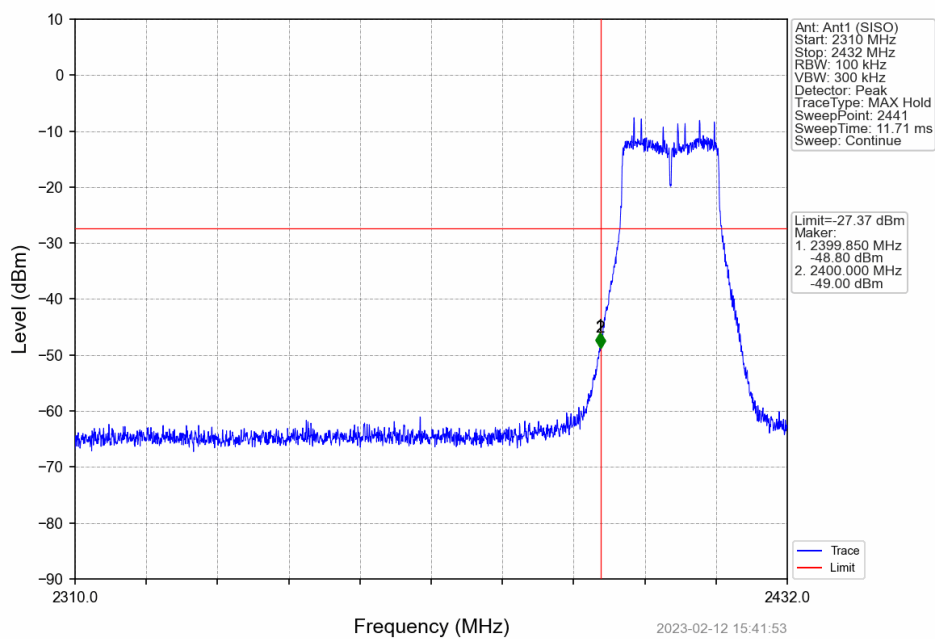


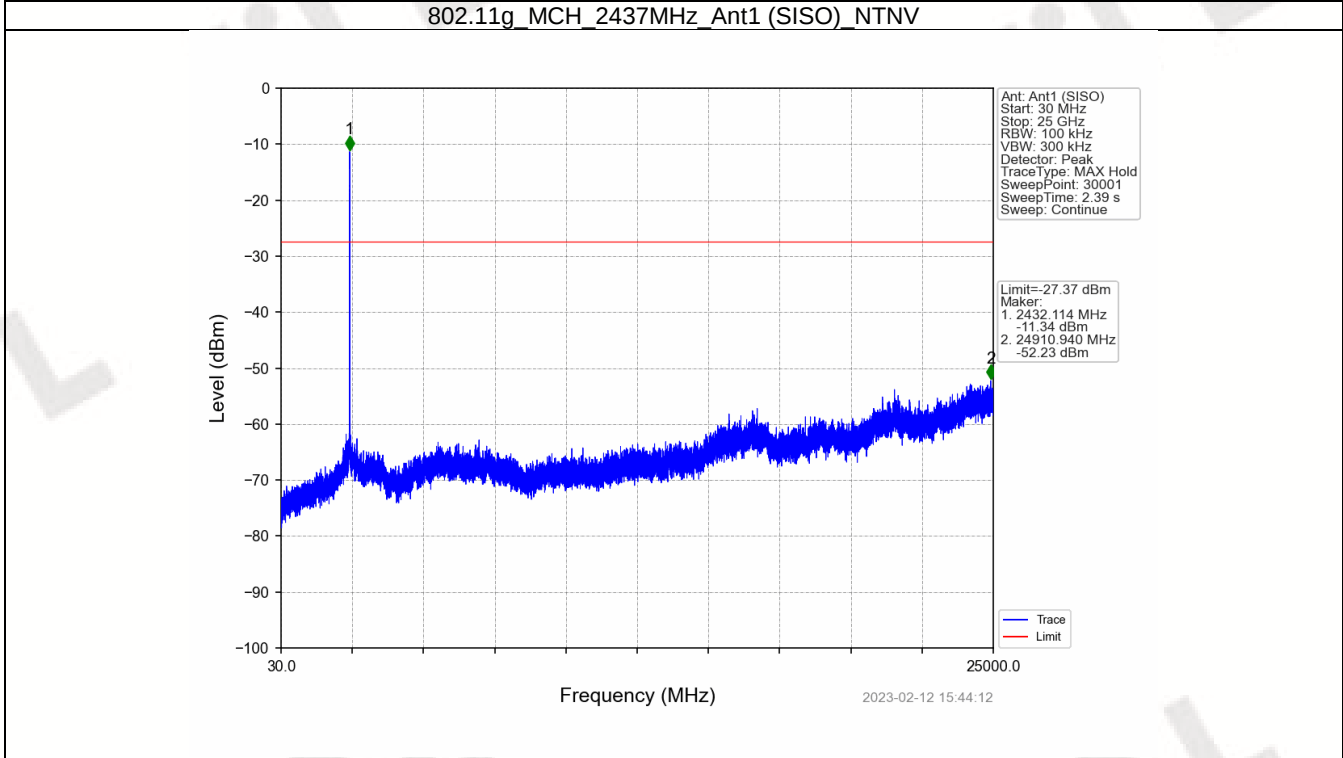
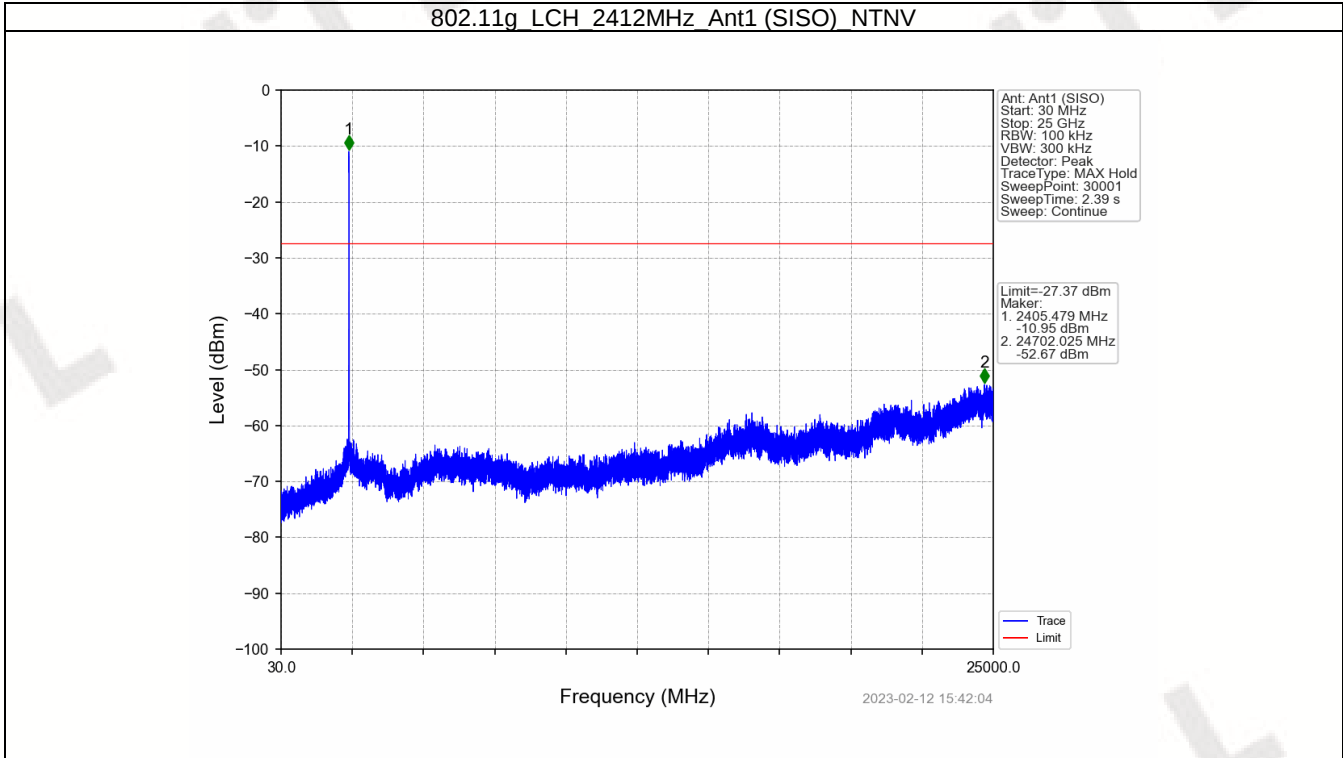


802.11b HCH 2462MHz Ant1 (SISO) NTN

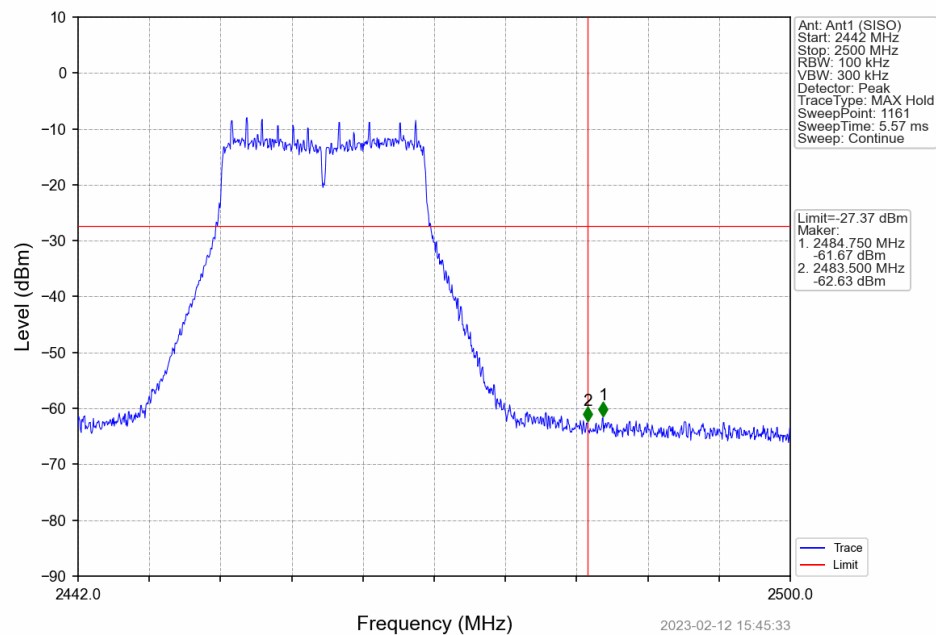


802.11g LCH 2412MHz Ant1 (SISO) NTN

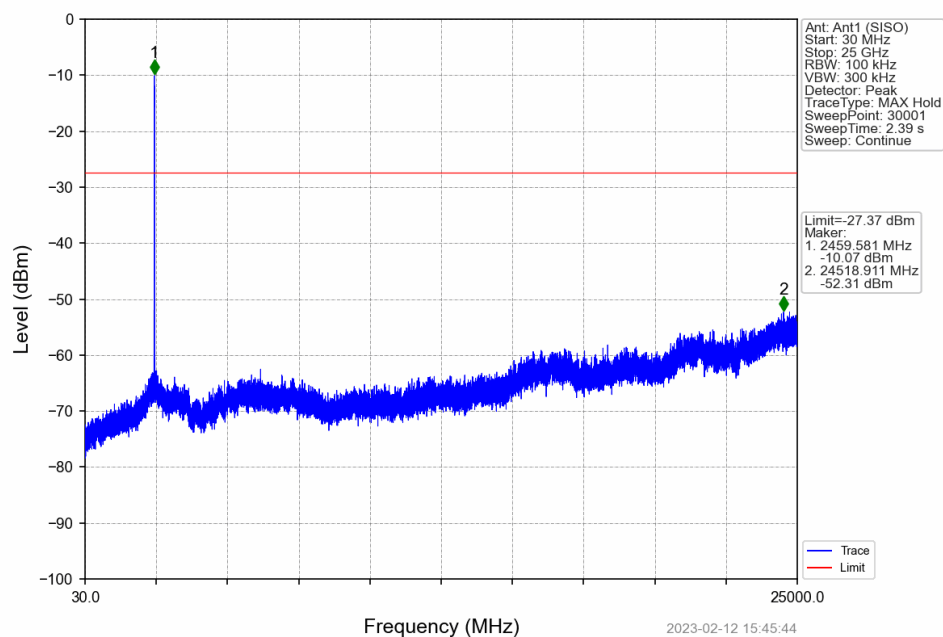




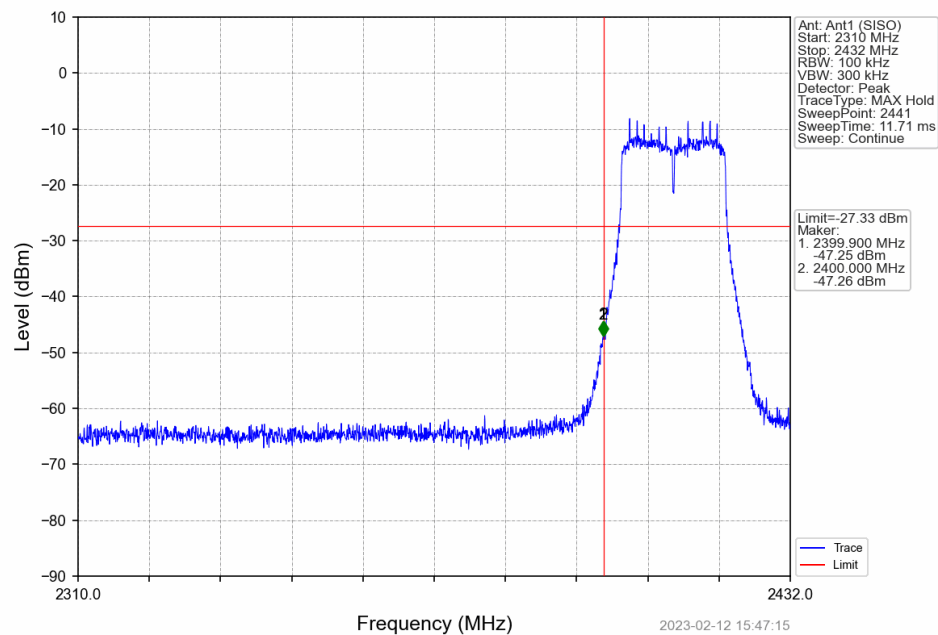
802.11g HCH 2462MHz Ant1 (SISO) NTN



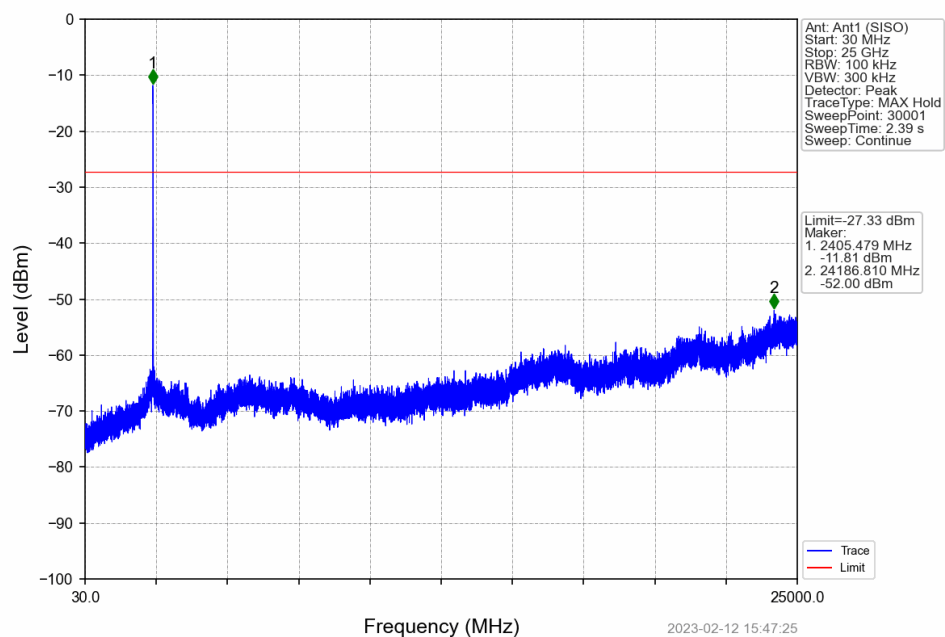
802.11g HCH 2462MHz Ant1 (SISO) NTN



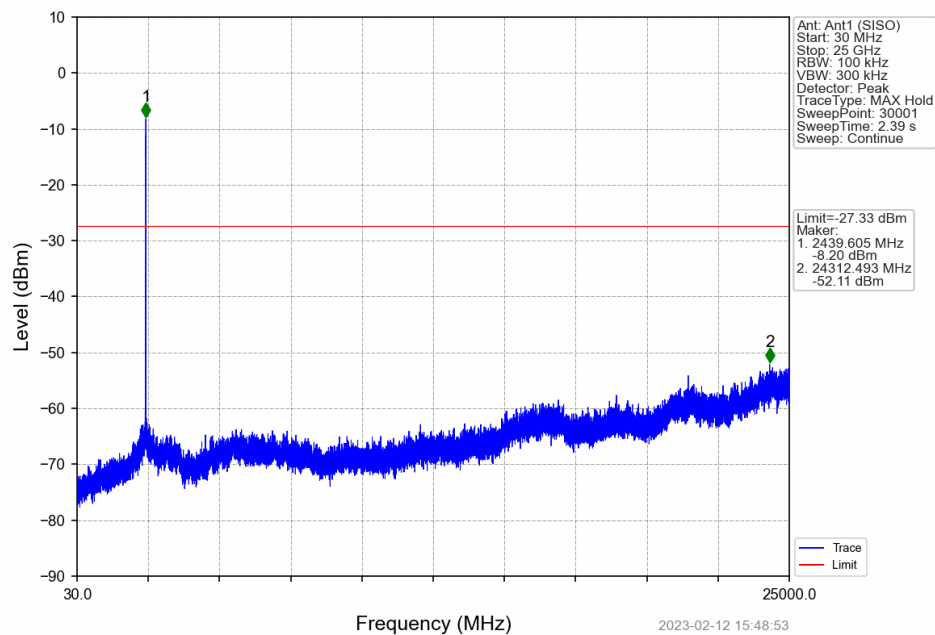
802.11n(HT20) LCH_2412MHz_Ant1 (SISO)_NTNV



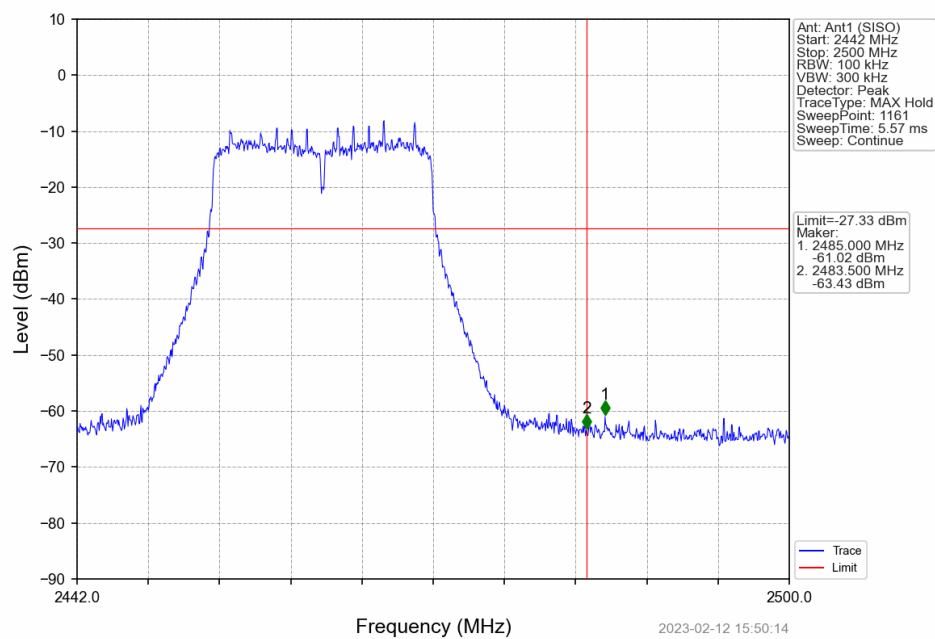
802.11n(HT20) LCH_2412MHz_Ant1 (SISO)_NTNV

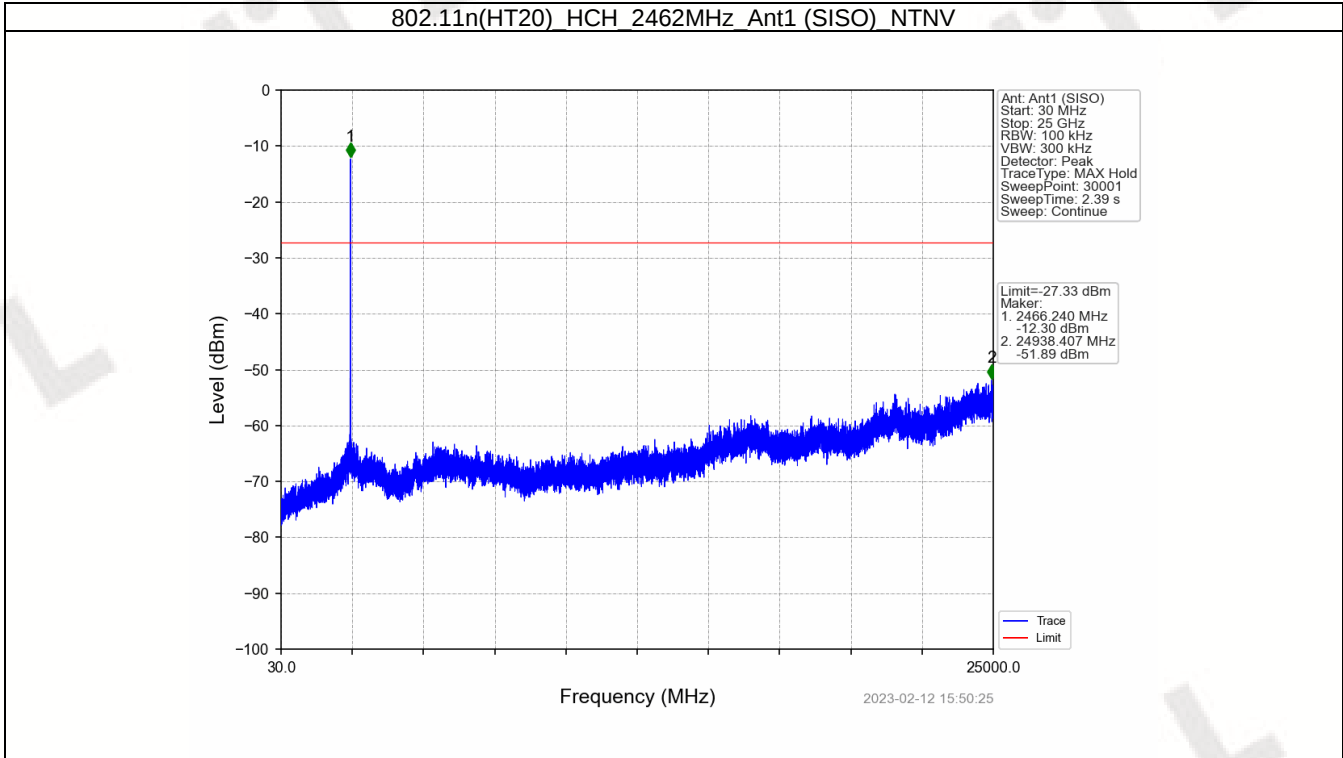


802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV

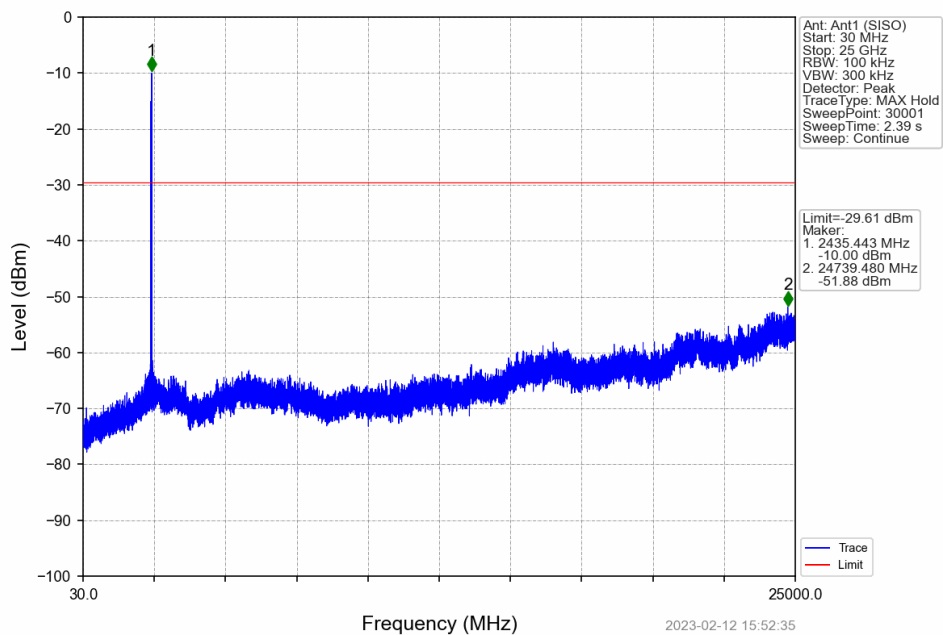


802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV

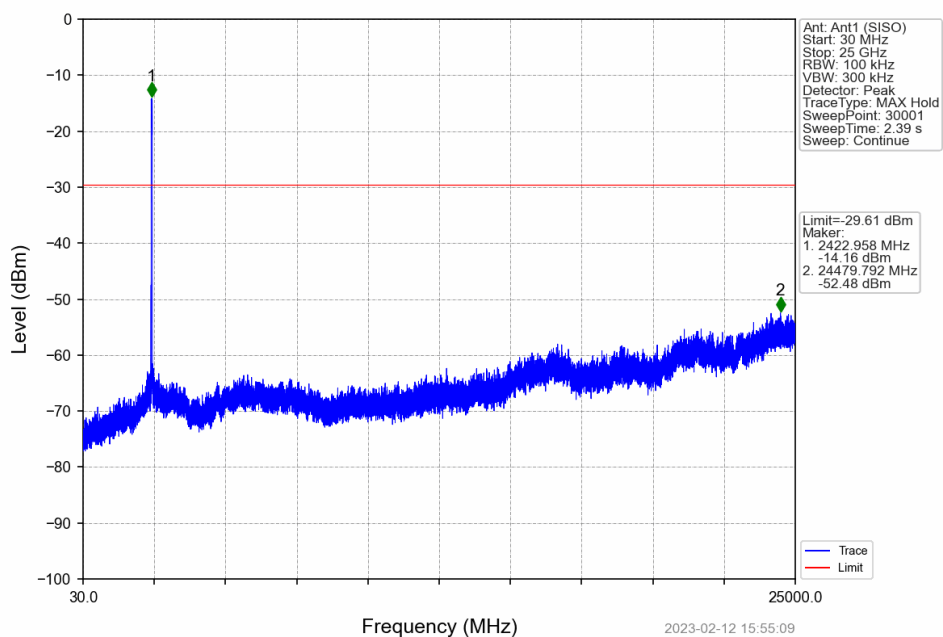




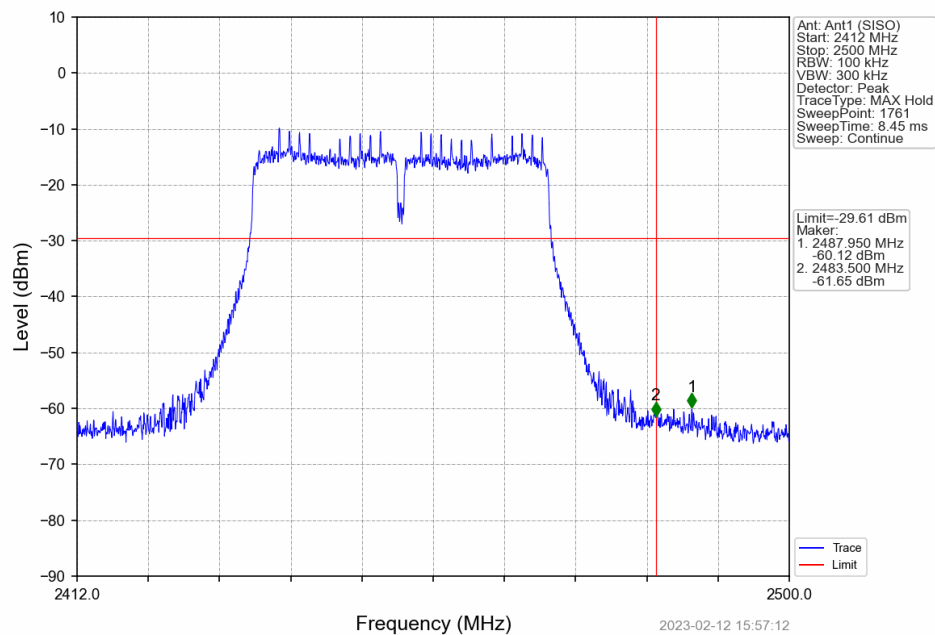
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

