

Appendix RF Test Data for WIFI 2.4G

Company: : AOOCCI INTERNATIONAL LIMITED (Hong Kong)

EUT : All-in-One Motorcycle Dash Cam with

FCC ID: : 2BQSJ-C6PRO

Model Number : C6Pro

Report No. : HTT2025061064F02

Reviewed By : Heber He

1. Duty Cycle

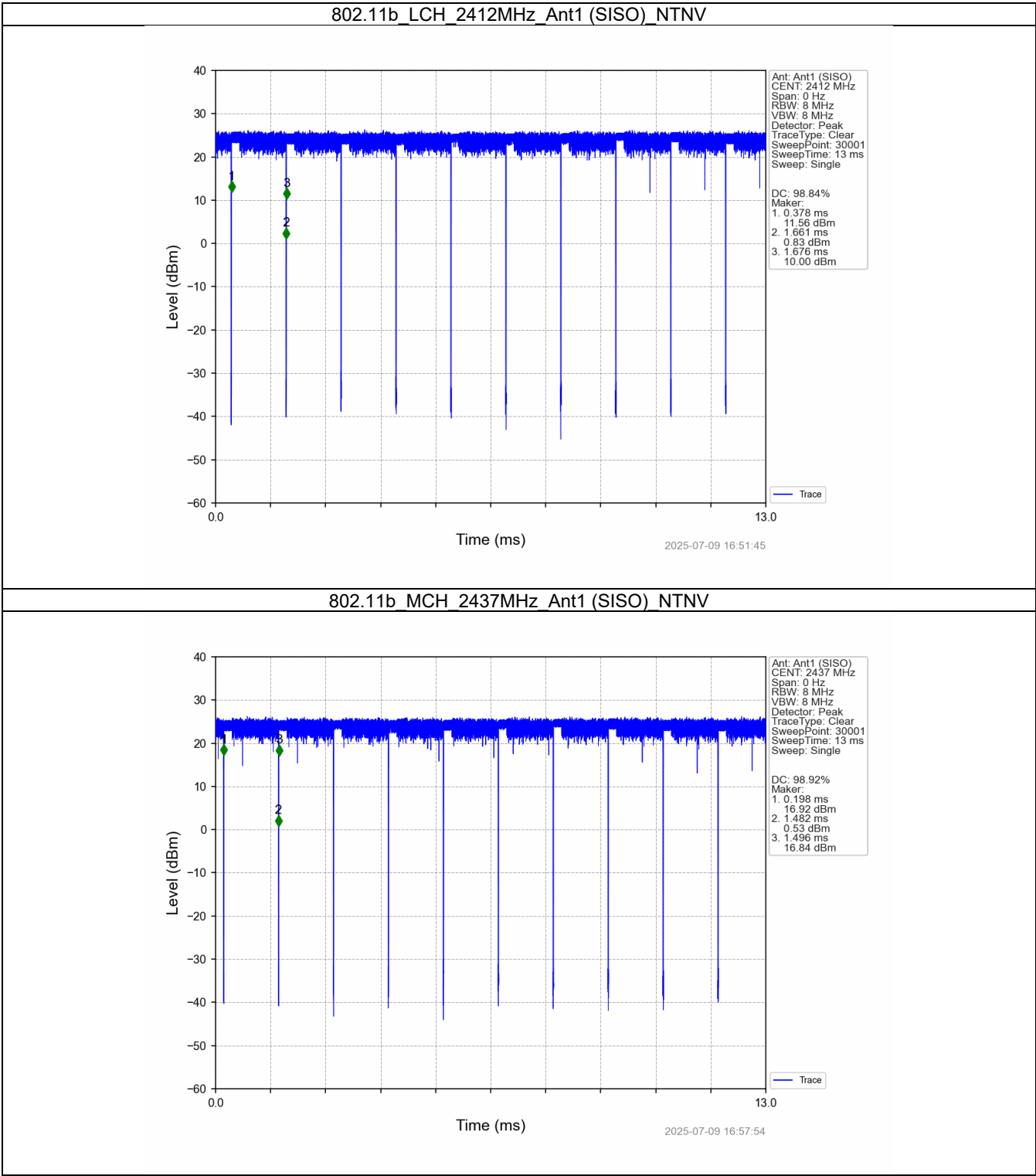
1.1 Test Result

1.1.1 Ant1

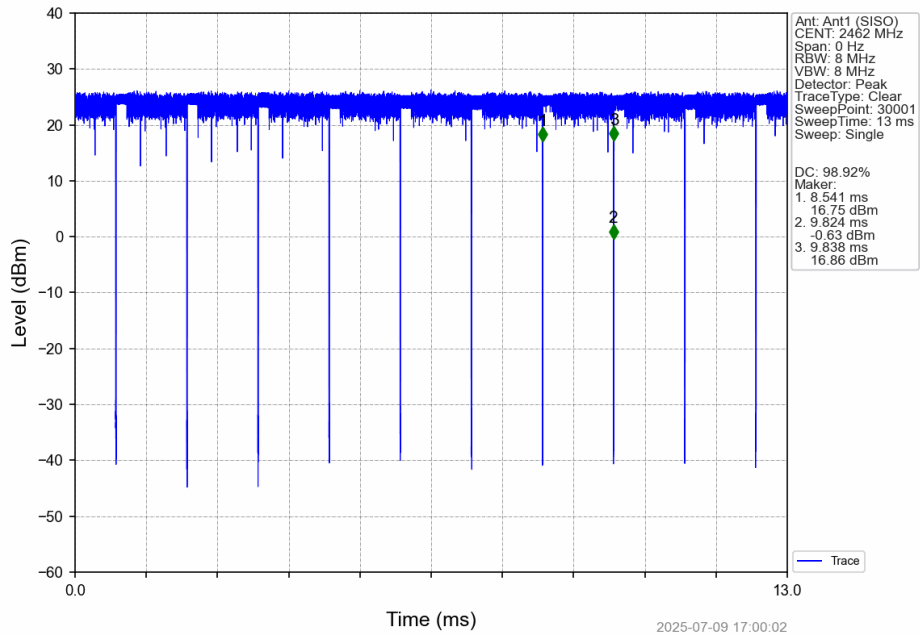
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	1.283	1.298	98.84	0.05	0.03
		2437	1.284	1.298	98.92	0.05	0.03
		2462	1.283	1.297	98.92	0.05	0.03
802.11g	SISO	2412	0.245	0.747	32.80	4.84	0.04
		2437	0.244	0.746	32.71	4.85	0.04
		2462	0.244	0.746	32.71	4.85	0.02
802.11n (HT20)	SISO	2412	0.224	0.726	30.85	5.11	0.03
		2437	0.224	0.726	30.85	5.11	0.03
		2462	0.224	0.726	30.85	5.11	0.03

1.2 Test Graph

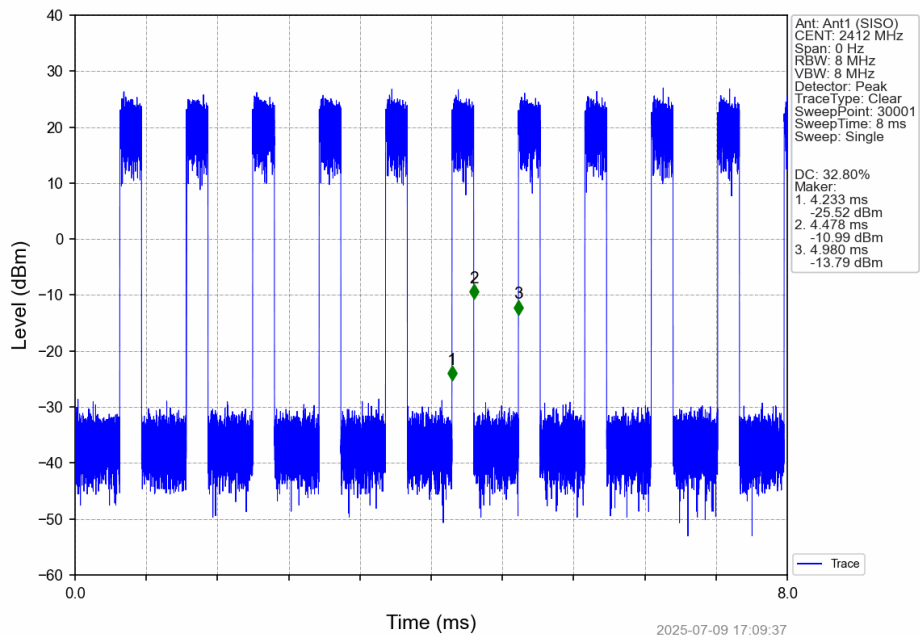
1.2.1 Ant1



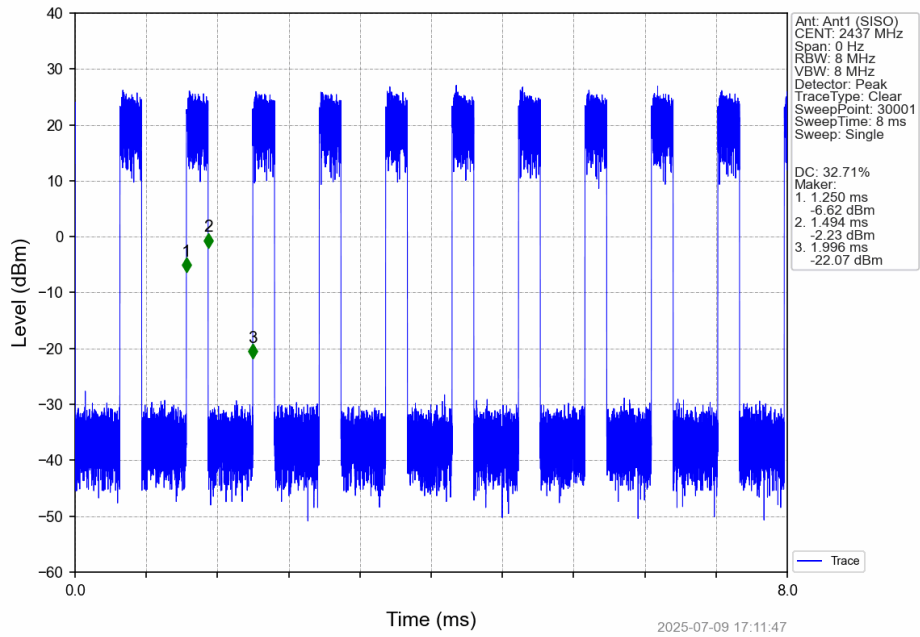
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



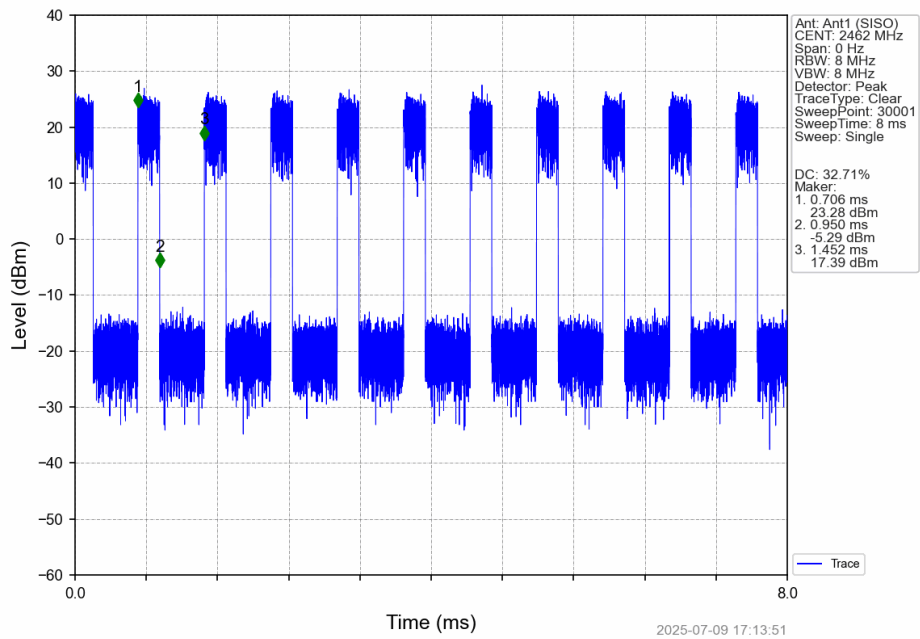
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



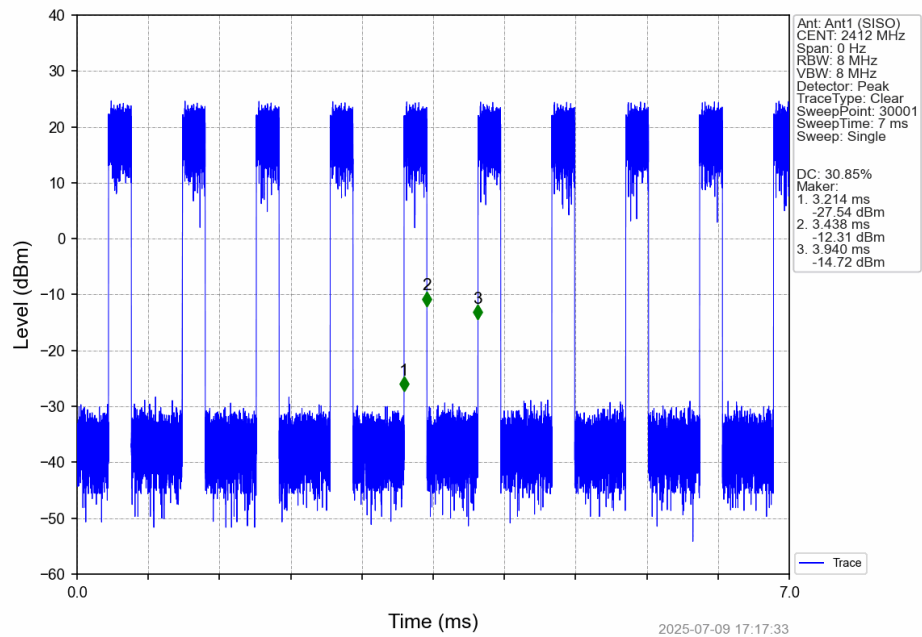
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



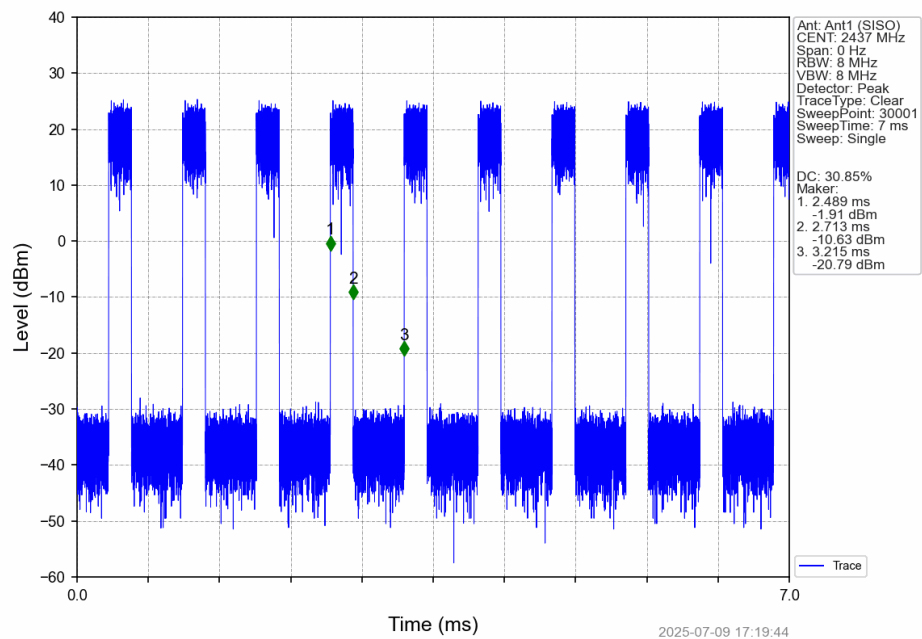
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



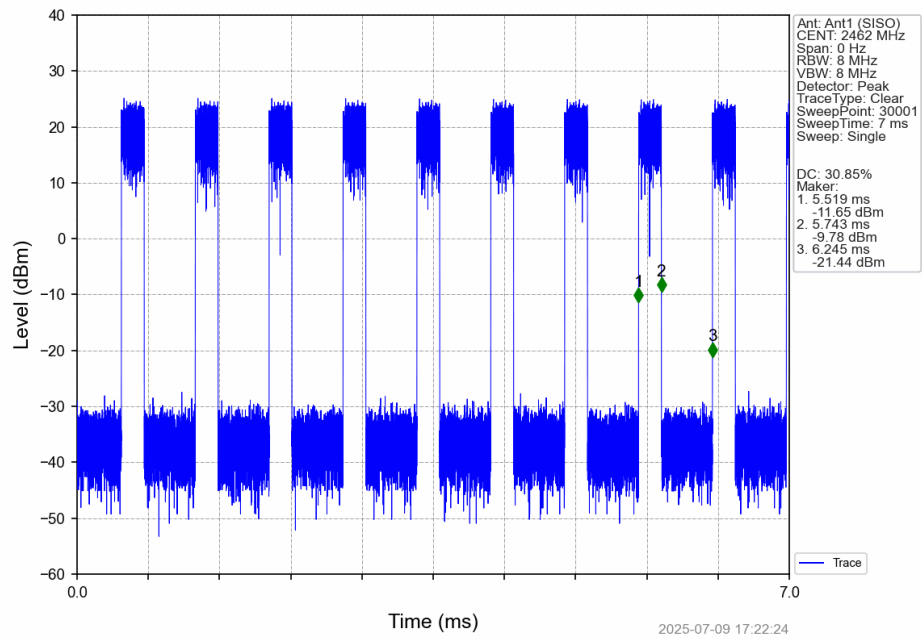
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

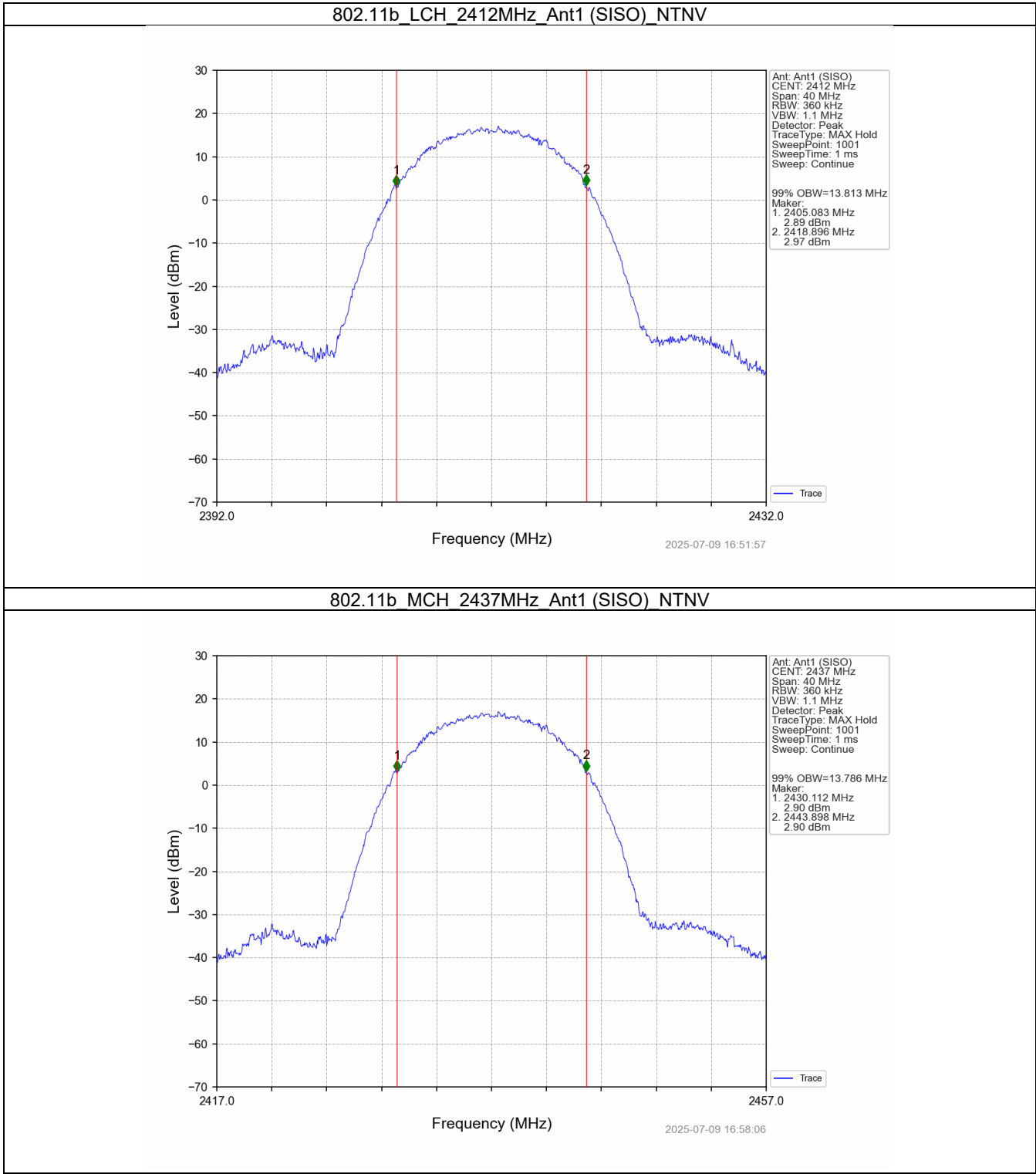
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.813	/	Pass
		2437	1	13.786	/	Pass
		2462	1	13.763	/	Pass
802.11g	SISO	2412	1	16.869	/	Pass
		2437	1	16.881	/	Pass
		2462	1	16.929	/	Pass
802.11n (HT20)	SISO	2412	1	18.113	/	Pass
		2437	1	18.148	/	Pass
		2462	1	18.182	/	Pass

2.1.2 6dB BW

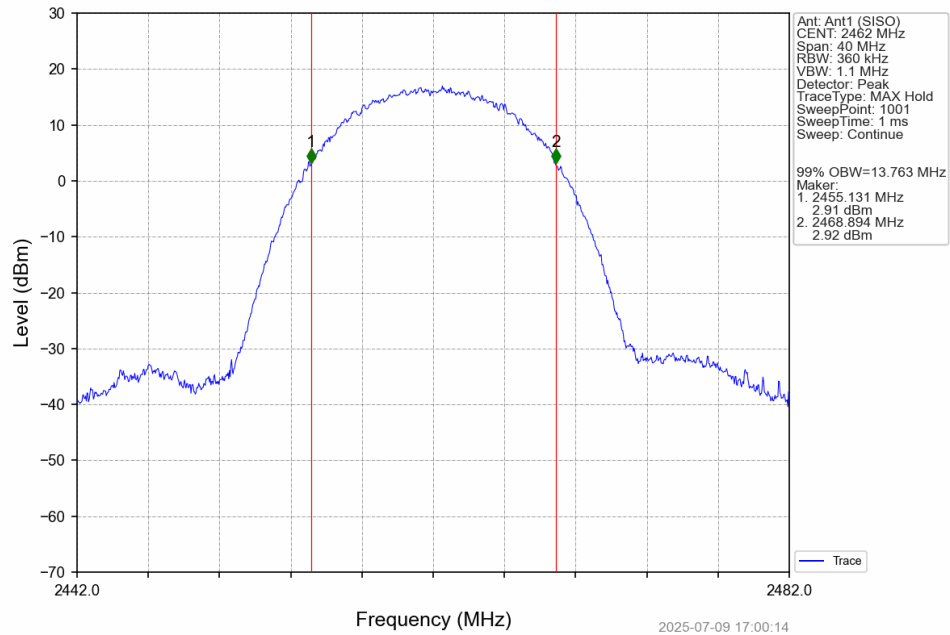
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.206	≥ 0.5	Pass
		2437	1	9.201	≥ 0.5	Pass
		2462	1	9.225	≥ 0.5	Pass
802.11g	SISO	2412	1	16.441	≥ 0.5	Pass
		2437	1	16.100	≥ 0.5	Pass
		2462	1	16.090	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.264	≥ 0.5	Pass
		2437	1	17.262	≥ 0.5	Pass
		2462	1	17.238	≥ 0.5	Pass

2.2 Test Graph

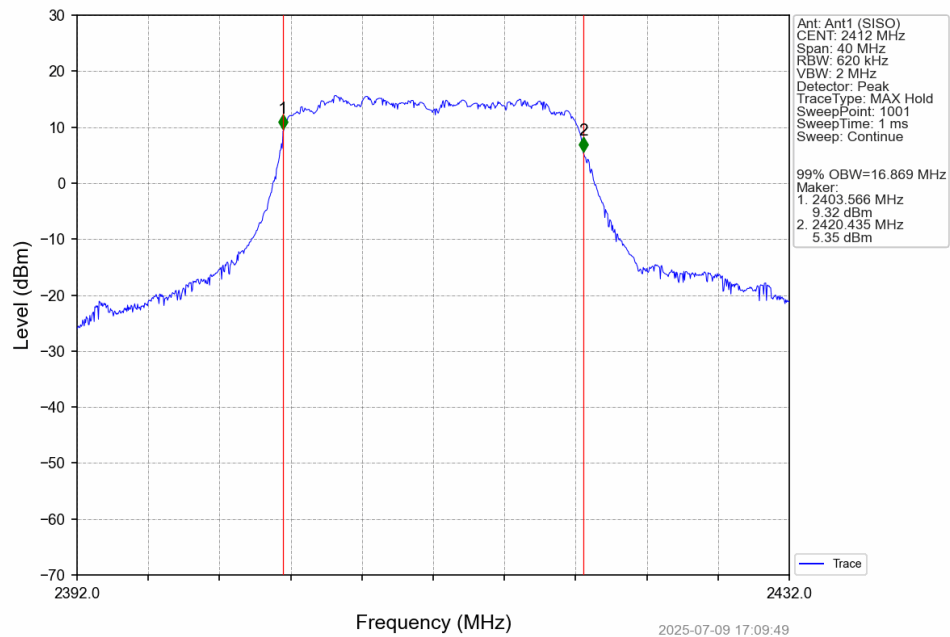
2.2.1 OBW



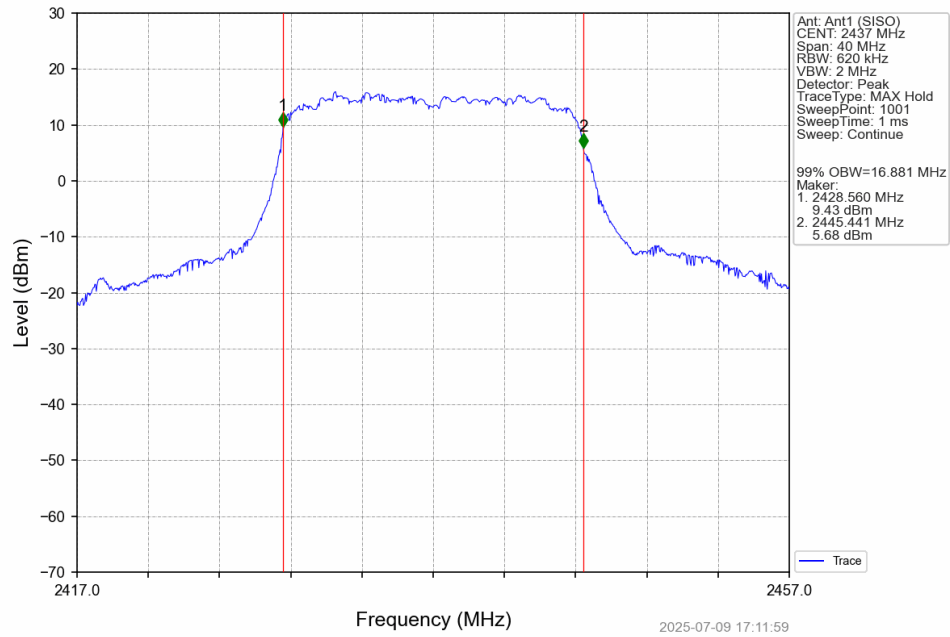
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



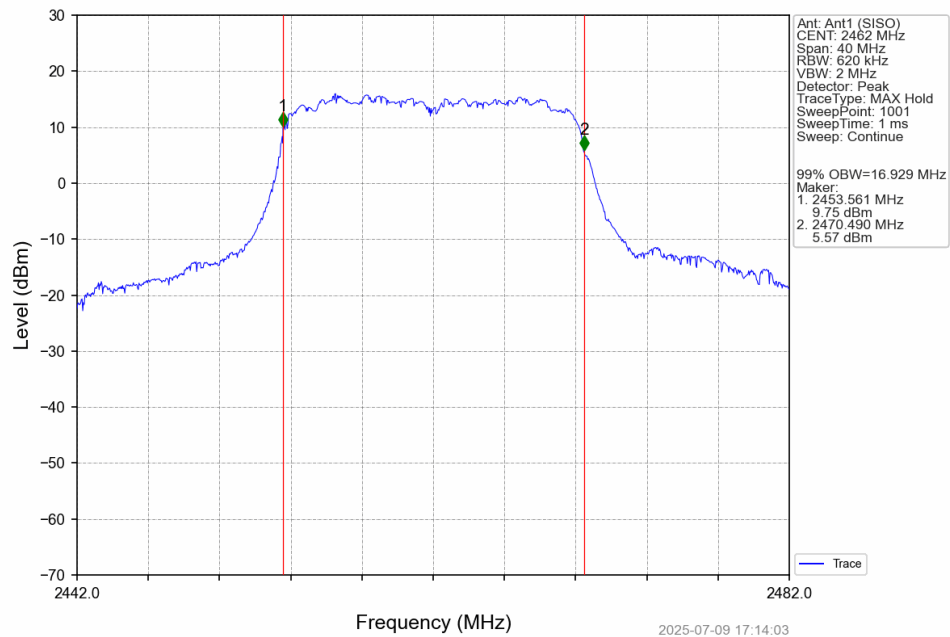
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



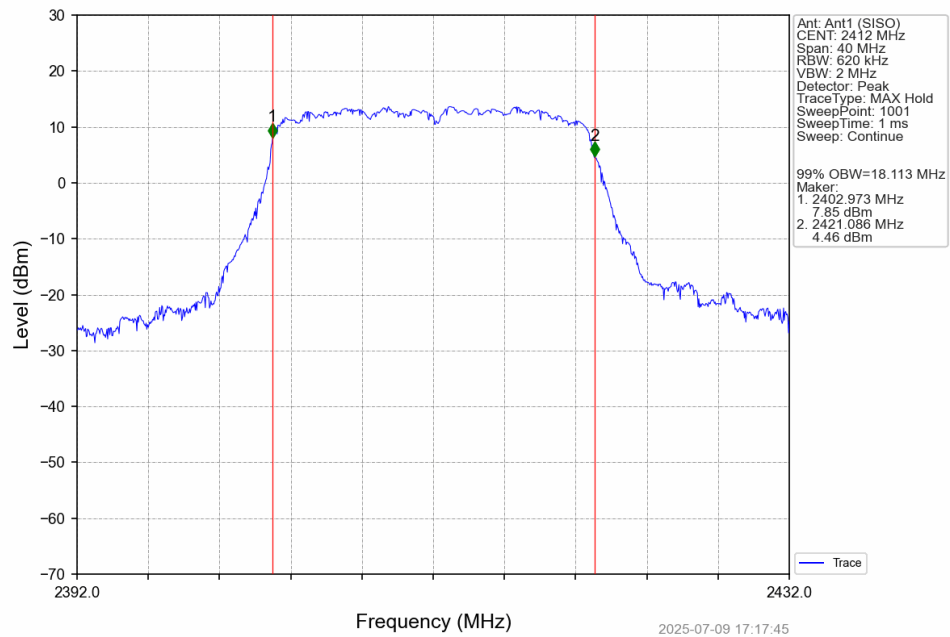
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



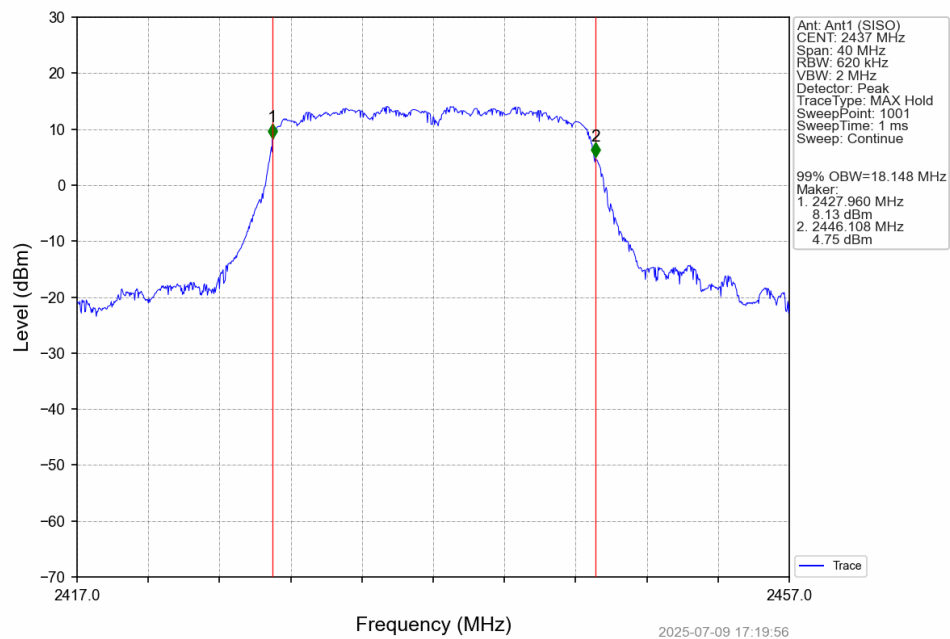
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



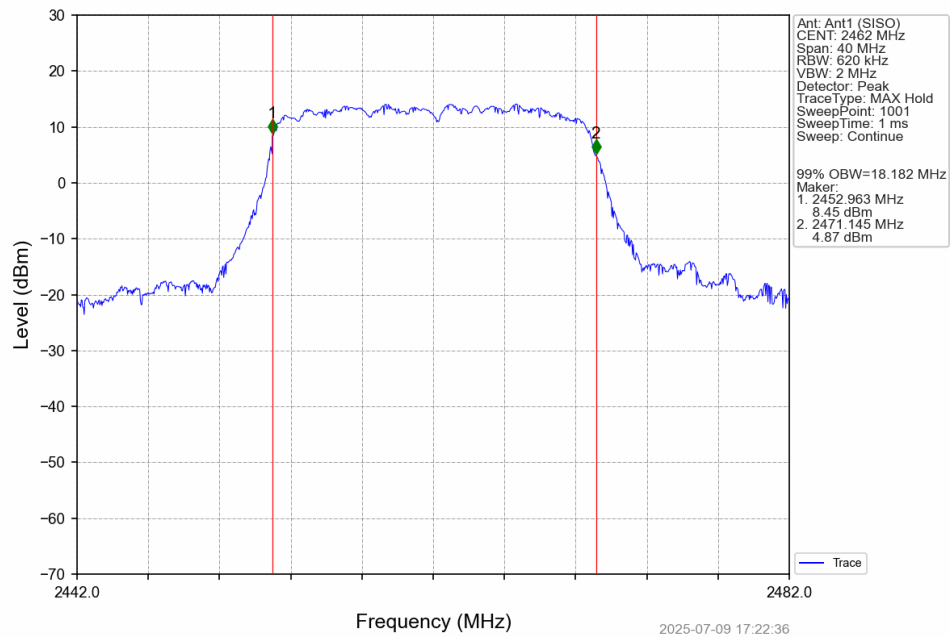
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



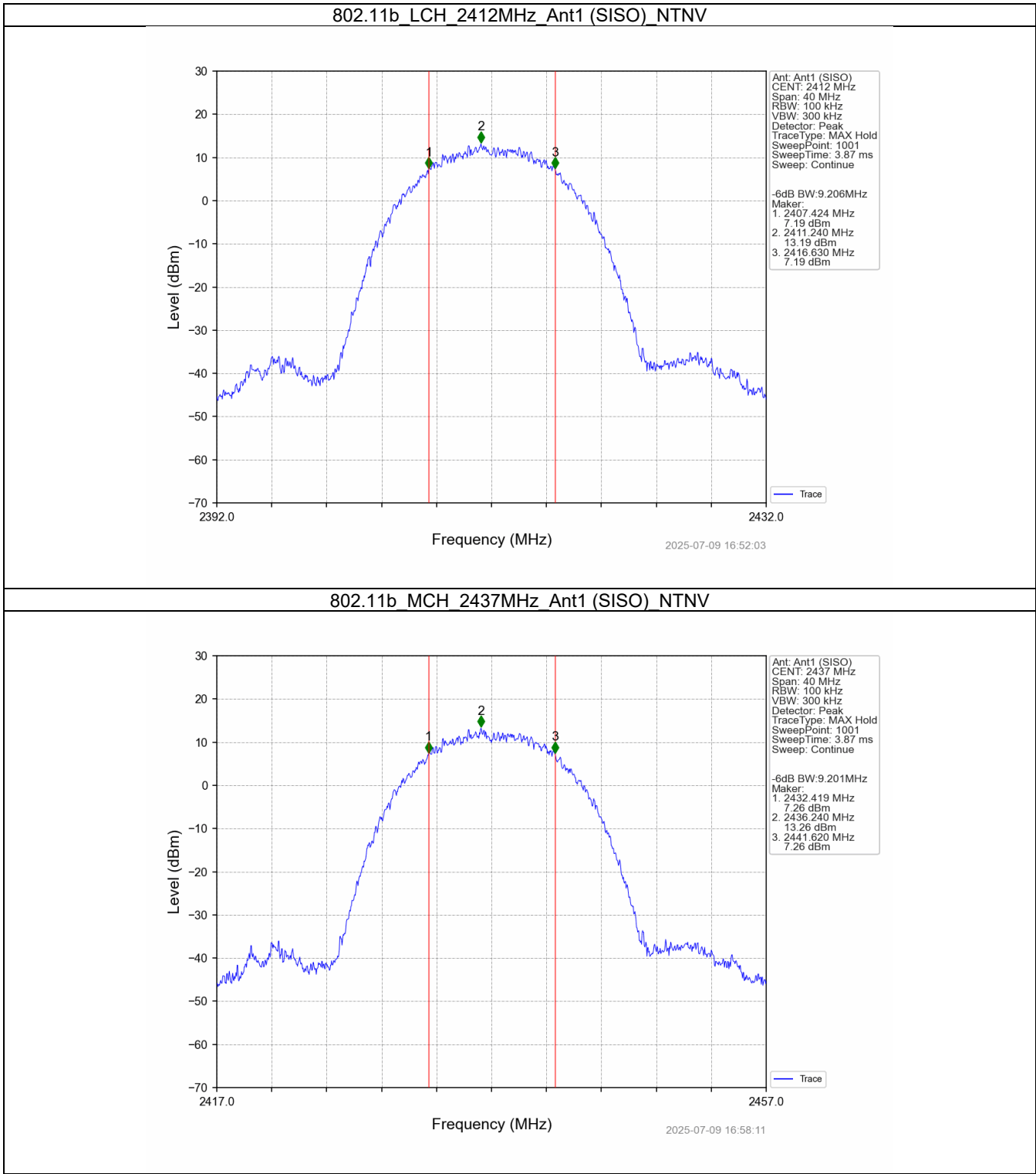
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



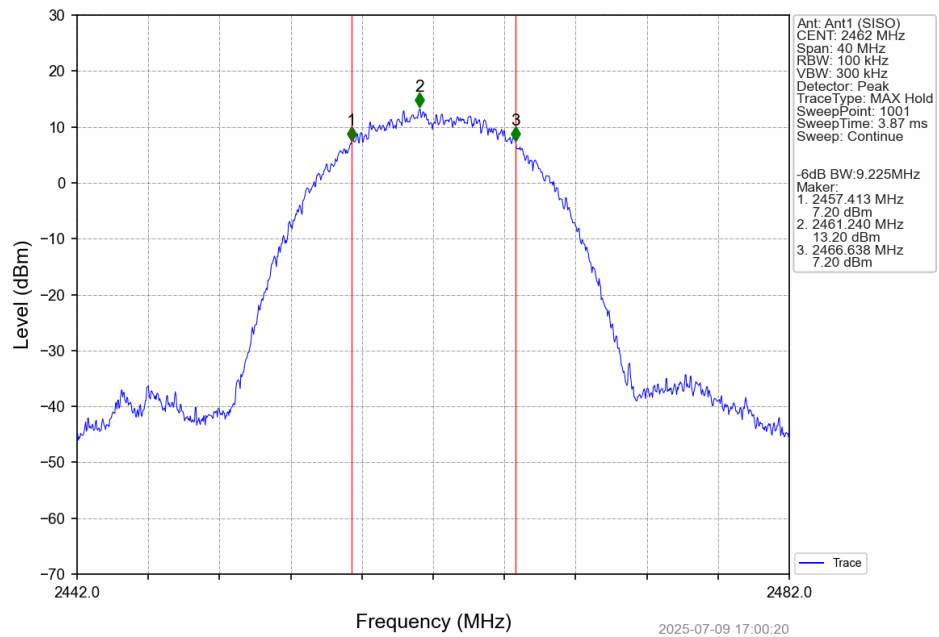
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



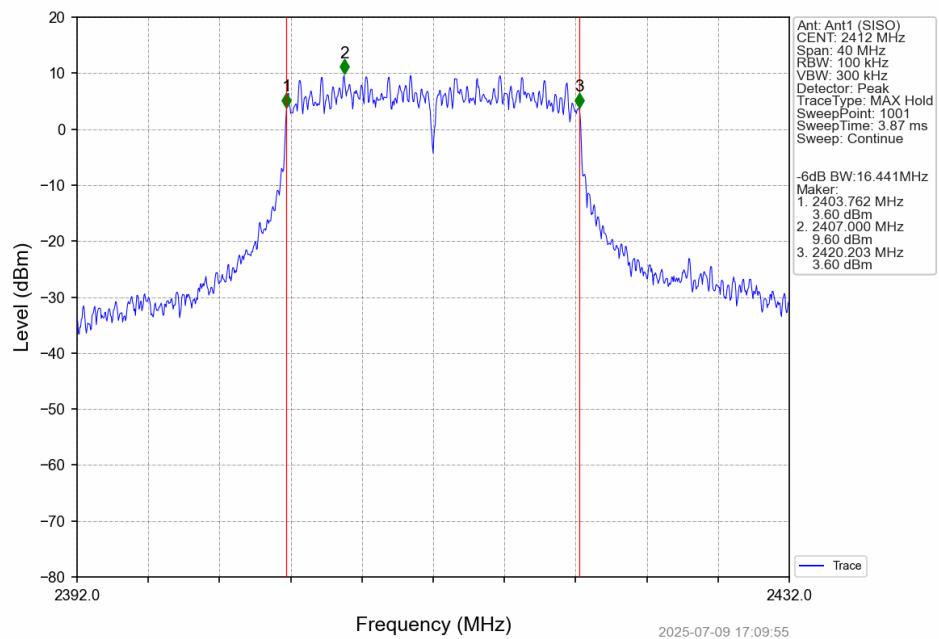
2.2.2 6dB BW



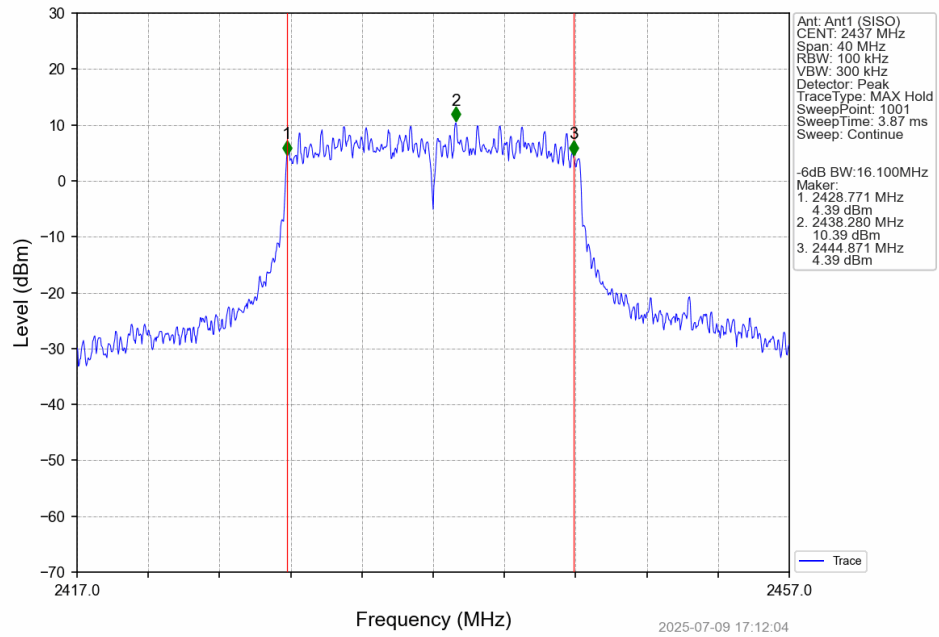
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



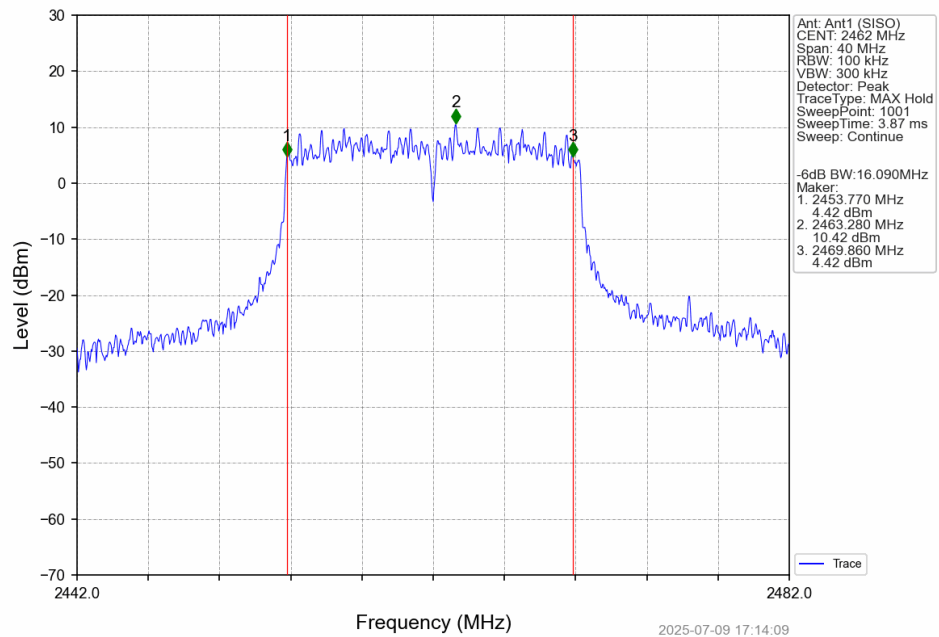
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



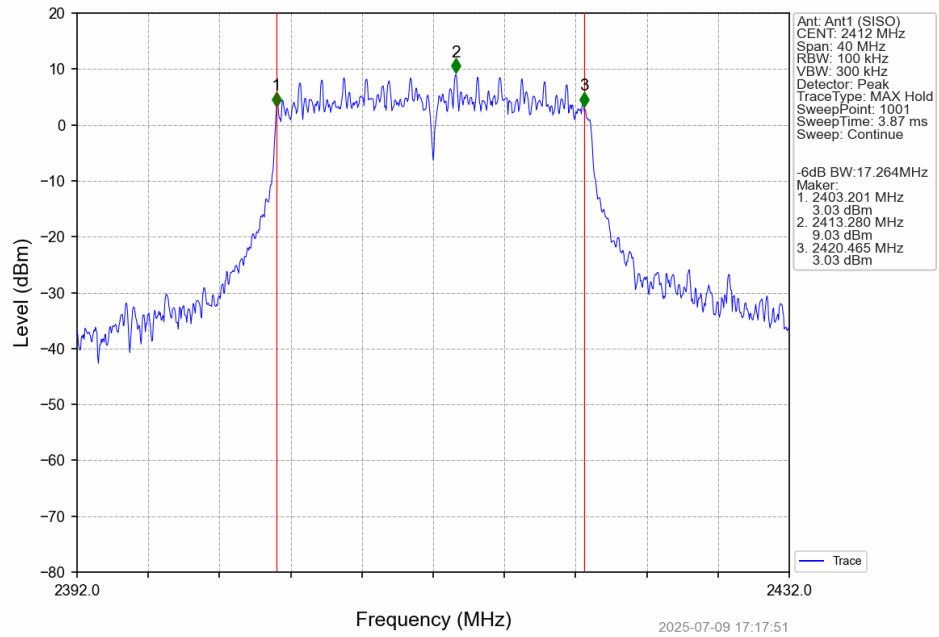
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



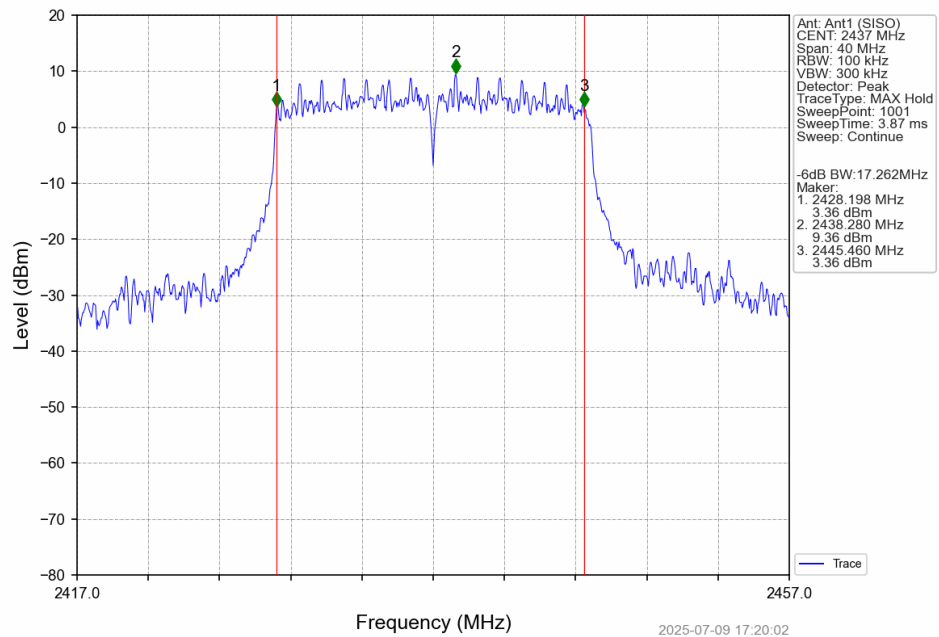
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



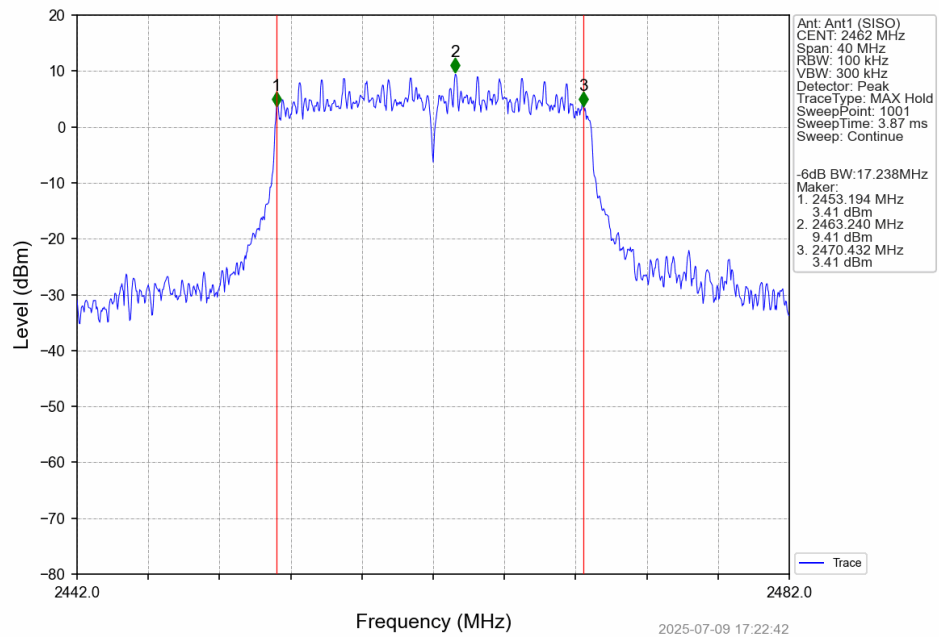
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	27.72	<=30	Pass
		2437	27.73	<=30	Pass
		2462	27.72	<=30	Pass
802.11g	SISO	2412	28.31	<=30	Pass
		2437	28.54	<=30	Pass
		2462	28.55	<=30	Pass
802.11n (HT20)	SISO	2412	27.01	<=30	Pass
		2437	27.41	<=30	Pass
		2462	27.44	<=30	Pass

4. Maximum Power Spectral Density

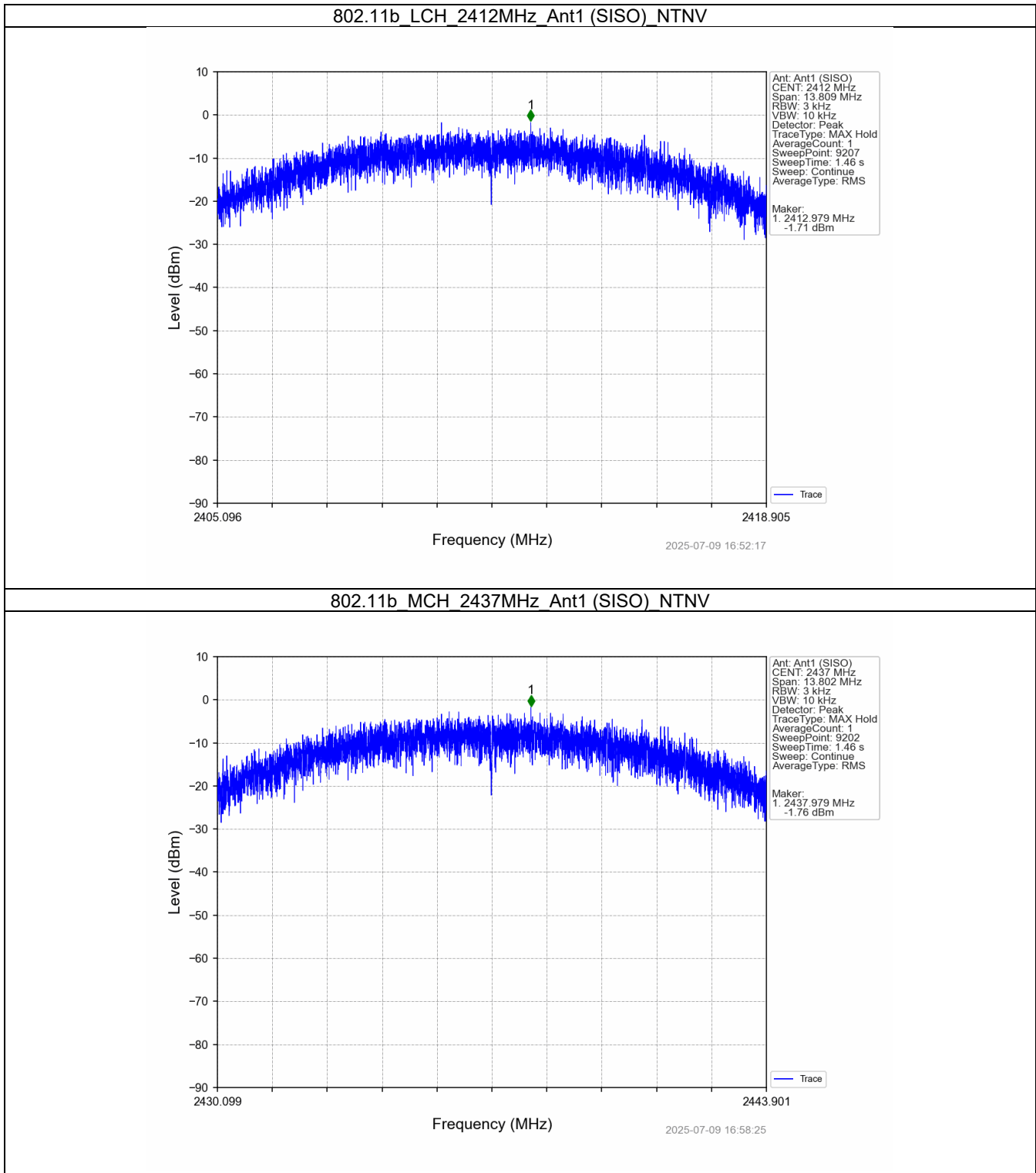
4.1 Test Result

4.1.1 PSD

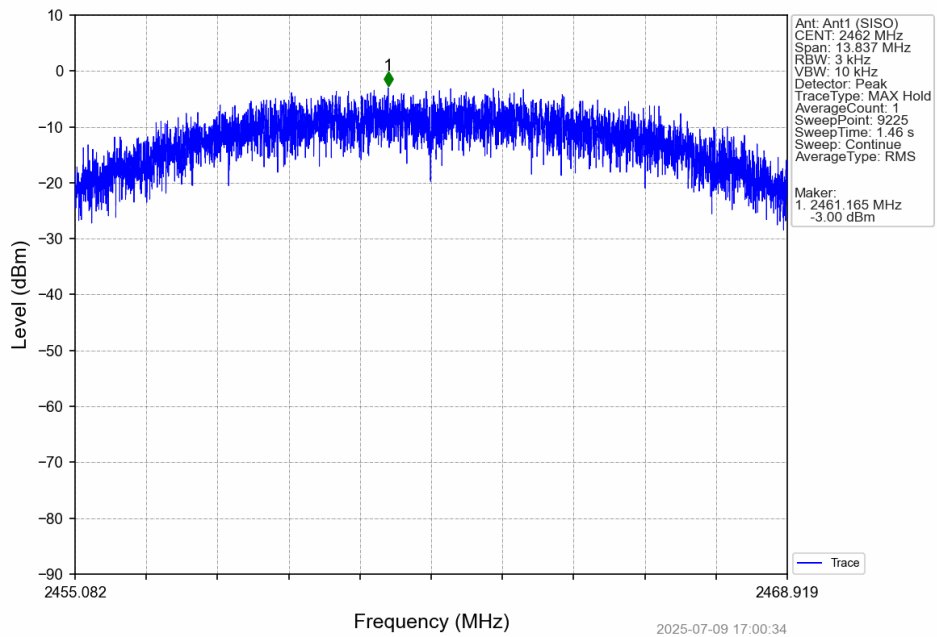
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-1.71	<=8	Pass
		2437	-1.76	<=8	Pass
		2462	-3.00	<=8	Pass
802.11g	SISO	2412	-5.95	<=8	Pass
		2437	-5.15	<=8	Pass
		2462	-5.16	<=8	Pass
802.11n (HT20)	SISO	2412	-6.06	<=8	Pass
		2437	-5.77	<=8	Pass
		2462	-5.86	<=8	Pass

4.2 Test Graph

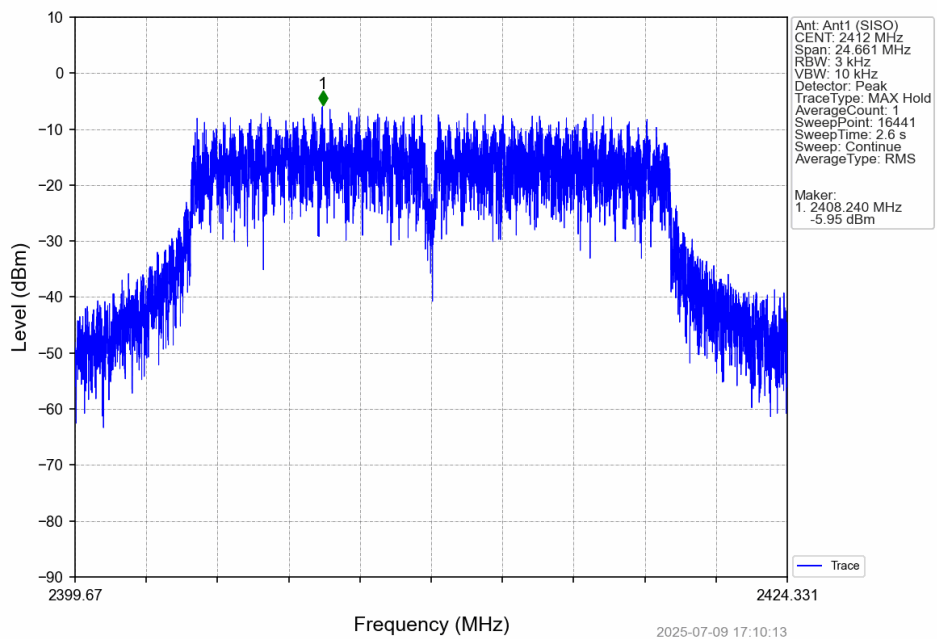
4.2.1 PSD



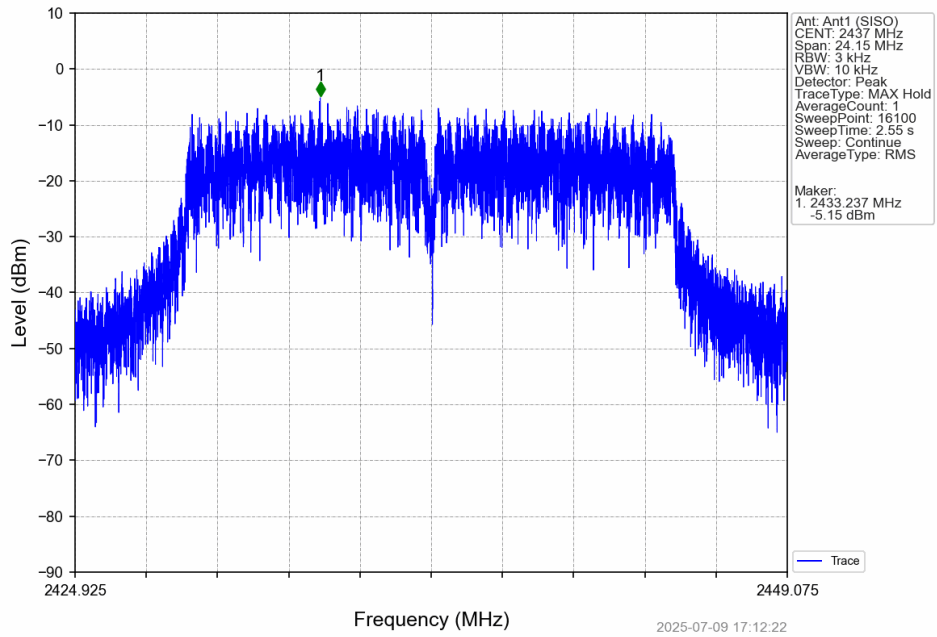
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



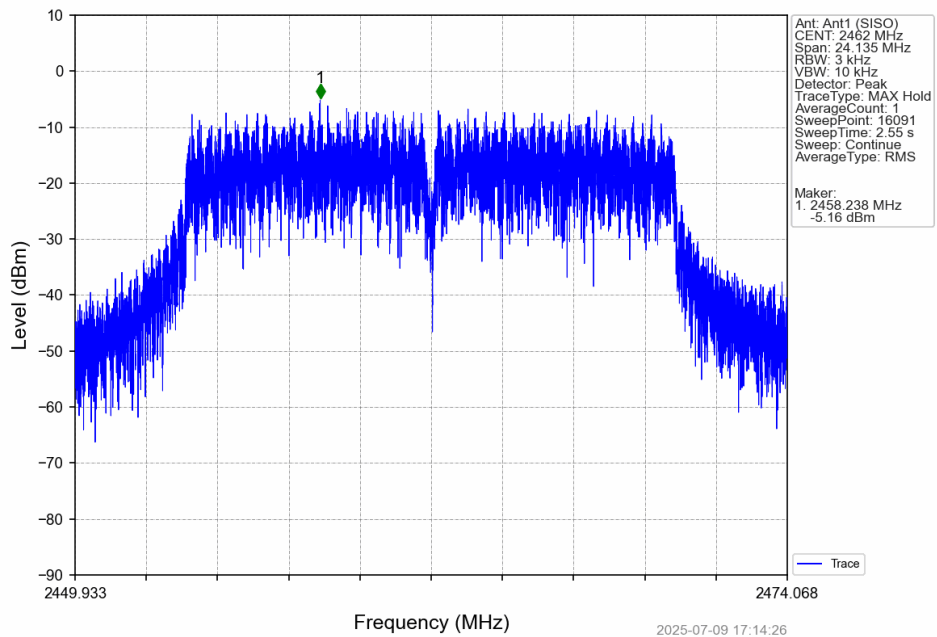
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



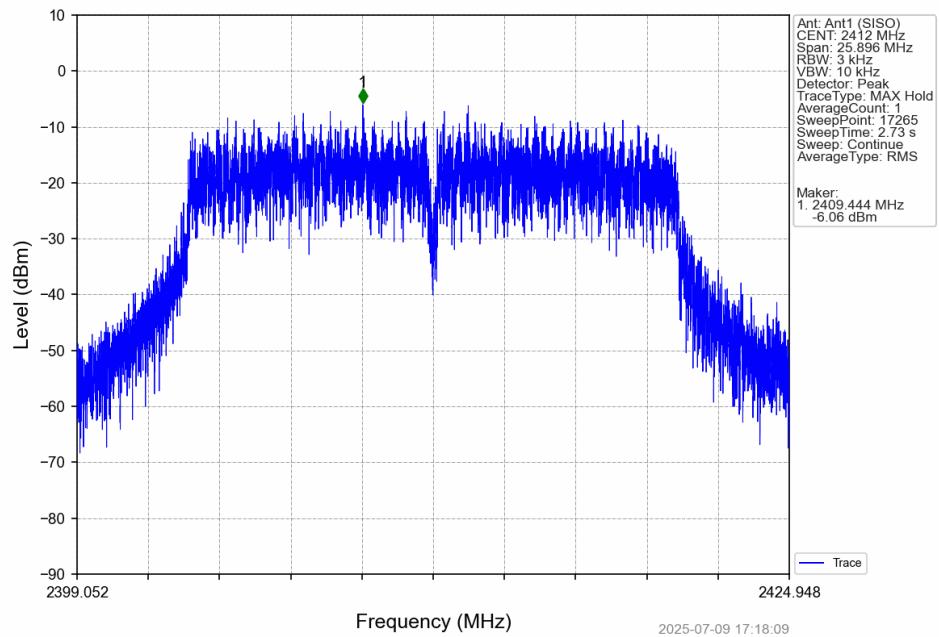
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



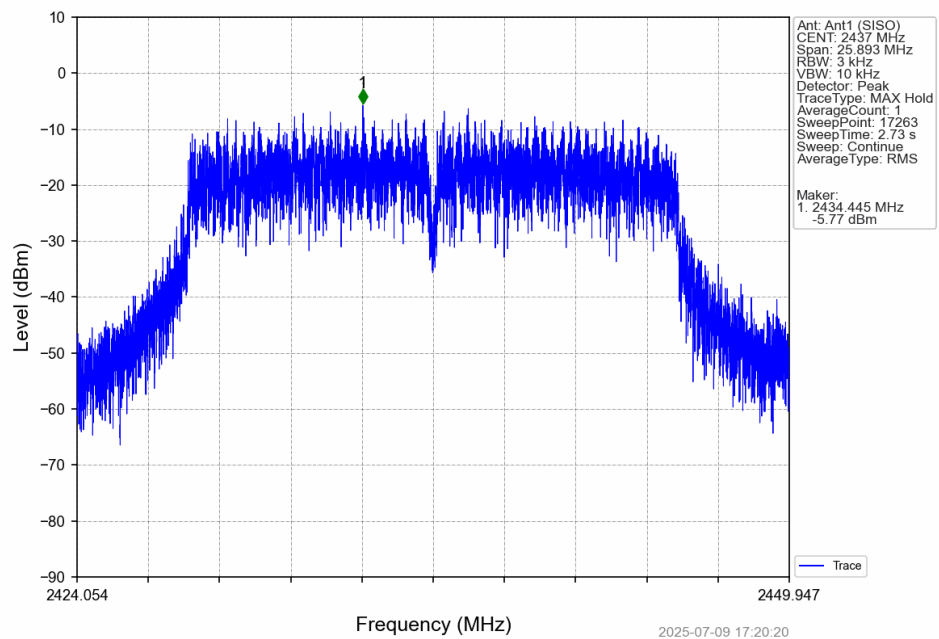
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



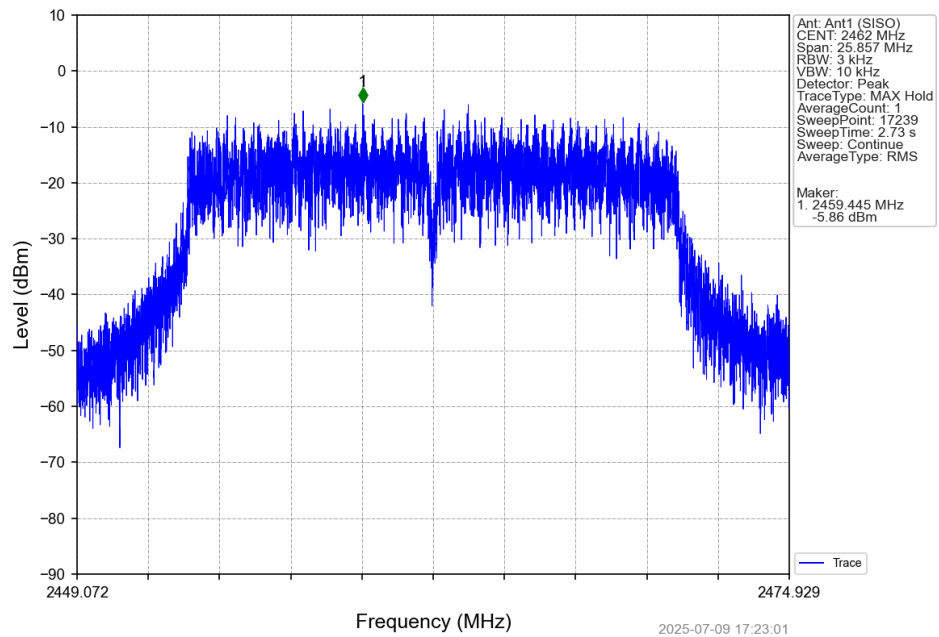
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

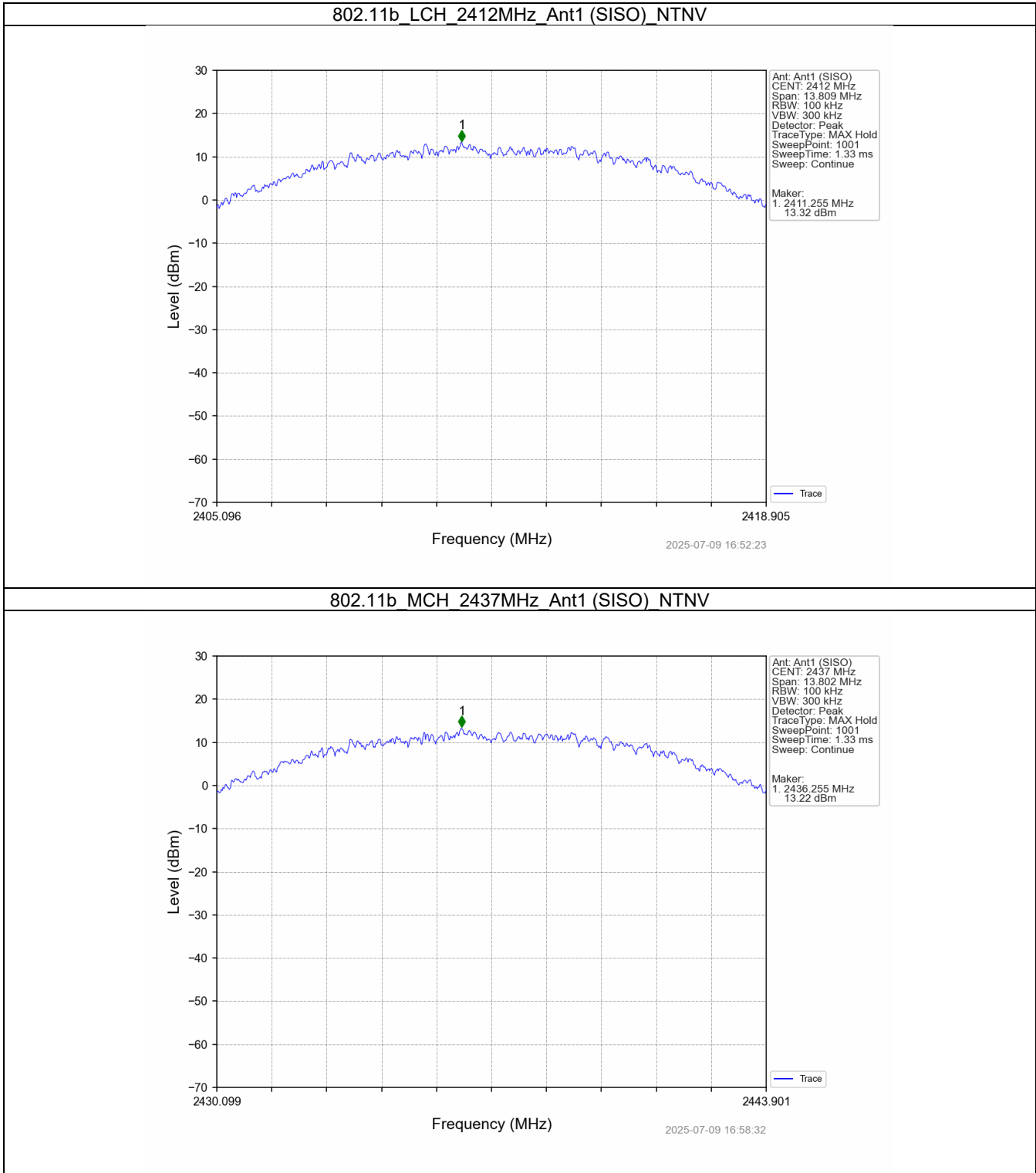
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	13.32
		2437	1	13.22
		2462	1	13.19
802.11g	SISO	2412	1	10.20
		2437	1	10.17
		2462	1	10.12
802.11n (HT20)	SISO	2412	1	9.01
		2437	1	9.43
		2462	1	9.39
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

5.1.2 CSE

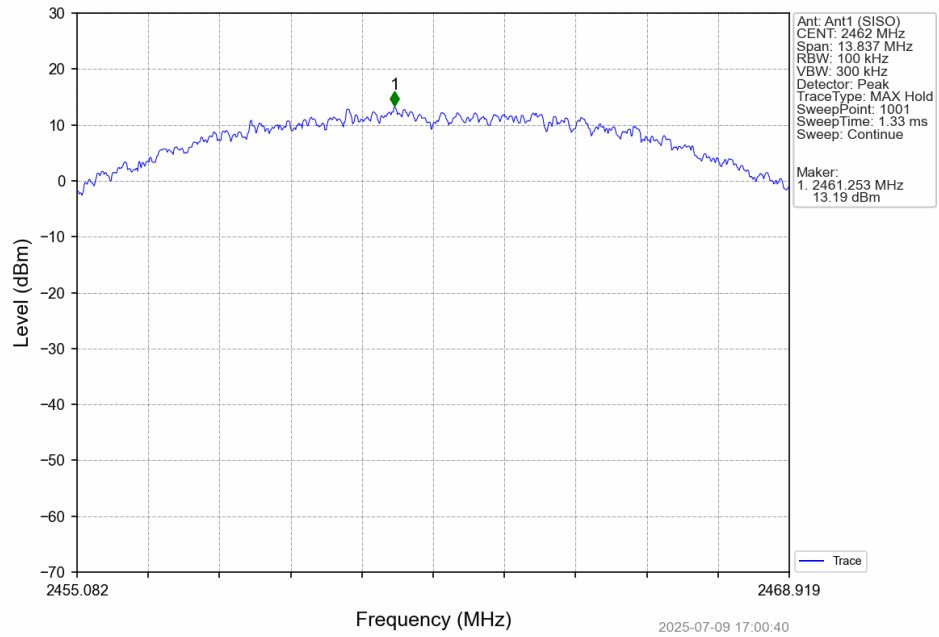
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	13.32	-6.68	Pass
		2437	1	13.32	-6.68	Pass
		2462	1	13.32	-6.68	Pass
802.11g	SISO	2412	1	10.20	-9.80	Pass
		2437	1	10.20	-9.80	Pass
		2462	1	10.20	-9.80	Pass
802.11n (HT20)	SISO	2412	1	9.43	-10.57	Pass
		2437	1	9.43	-10.57	Pass
		2462	1	9.43	-10.57	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 Test Graph

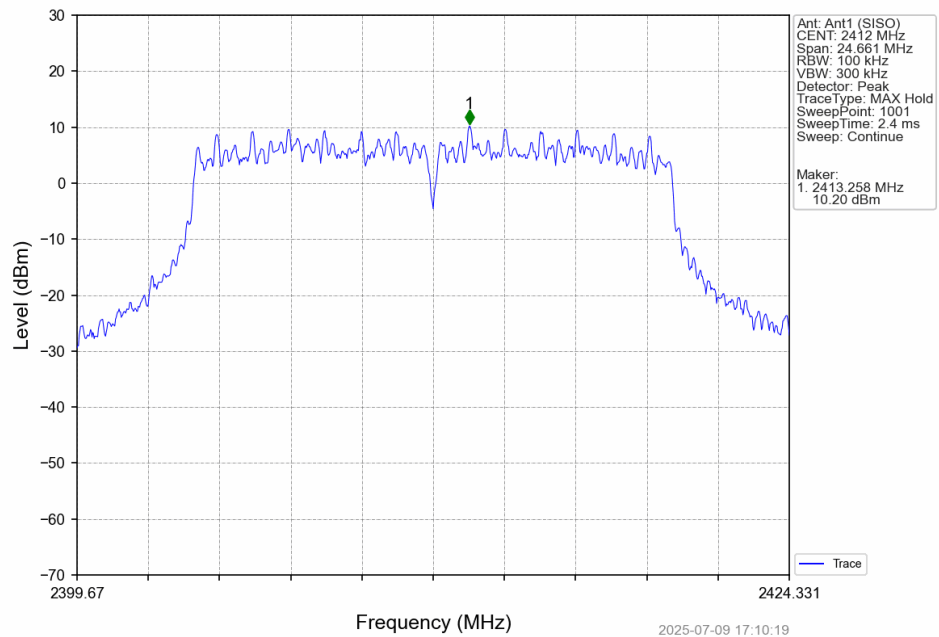
5.2.1 Ref



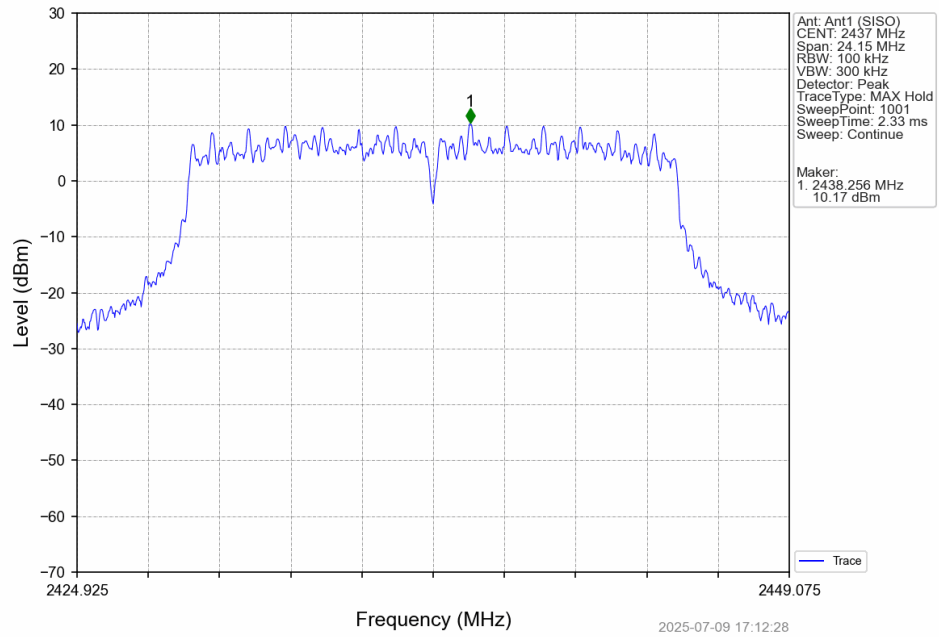
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



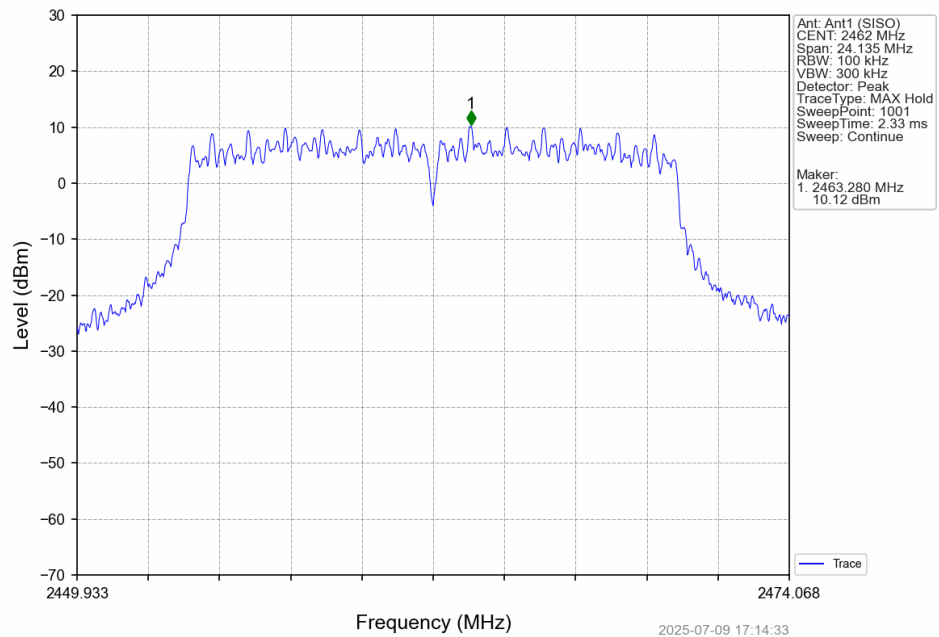
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



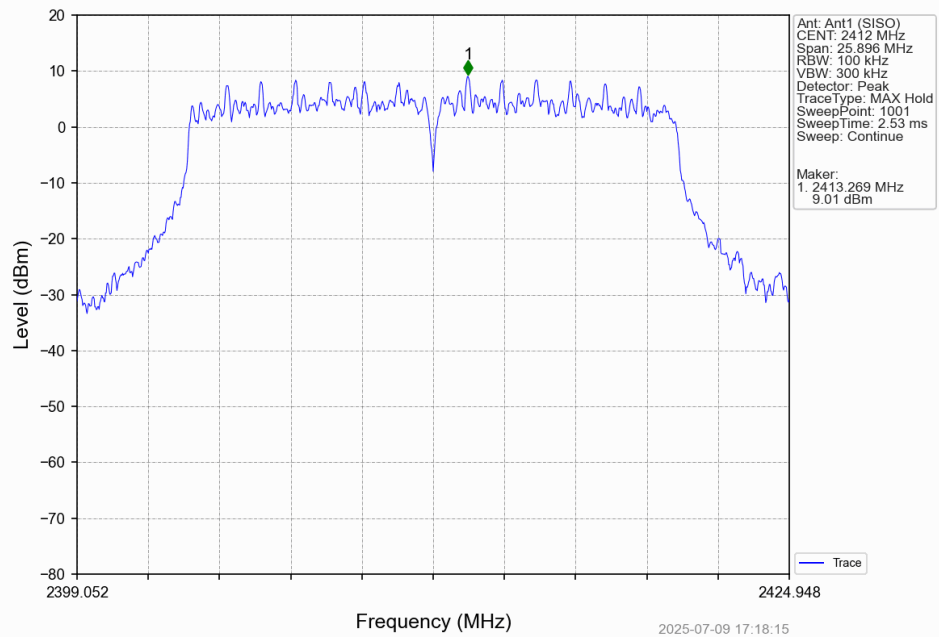
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



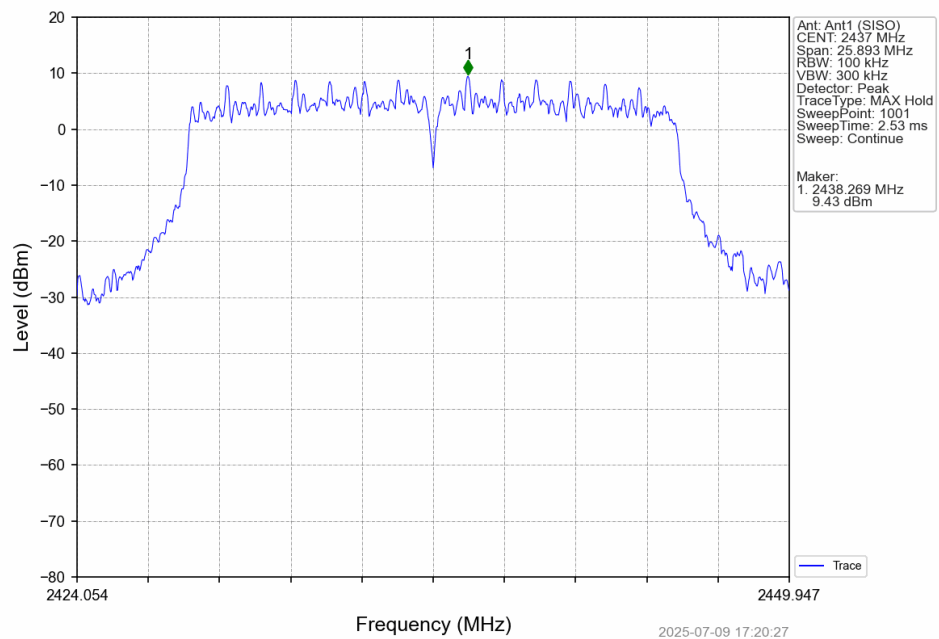
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



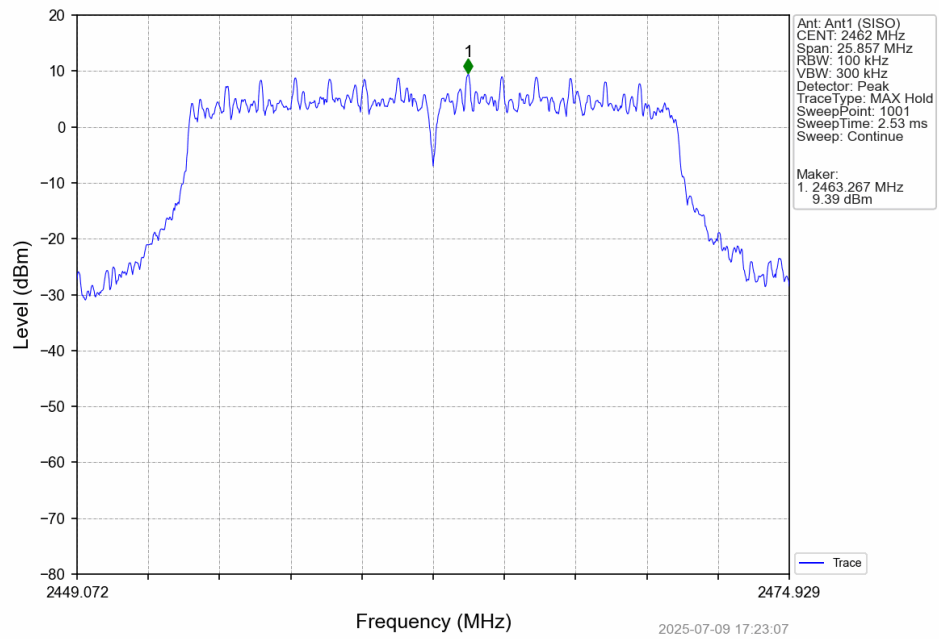
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



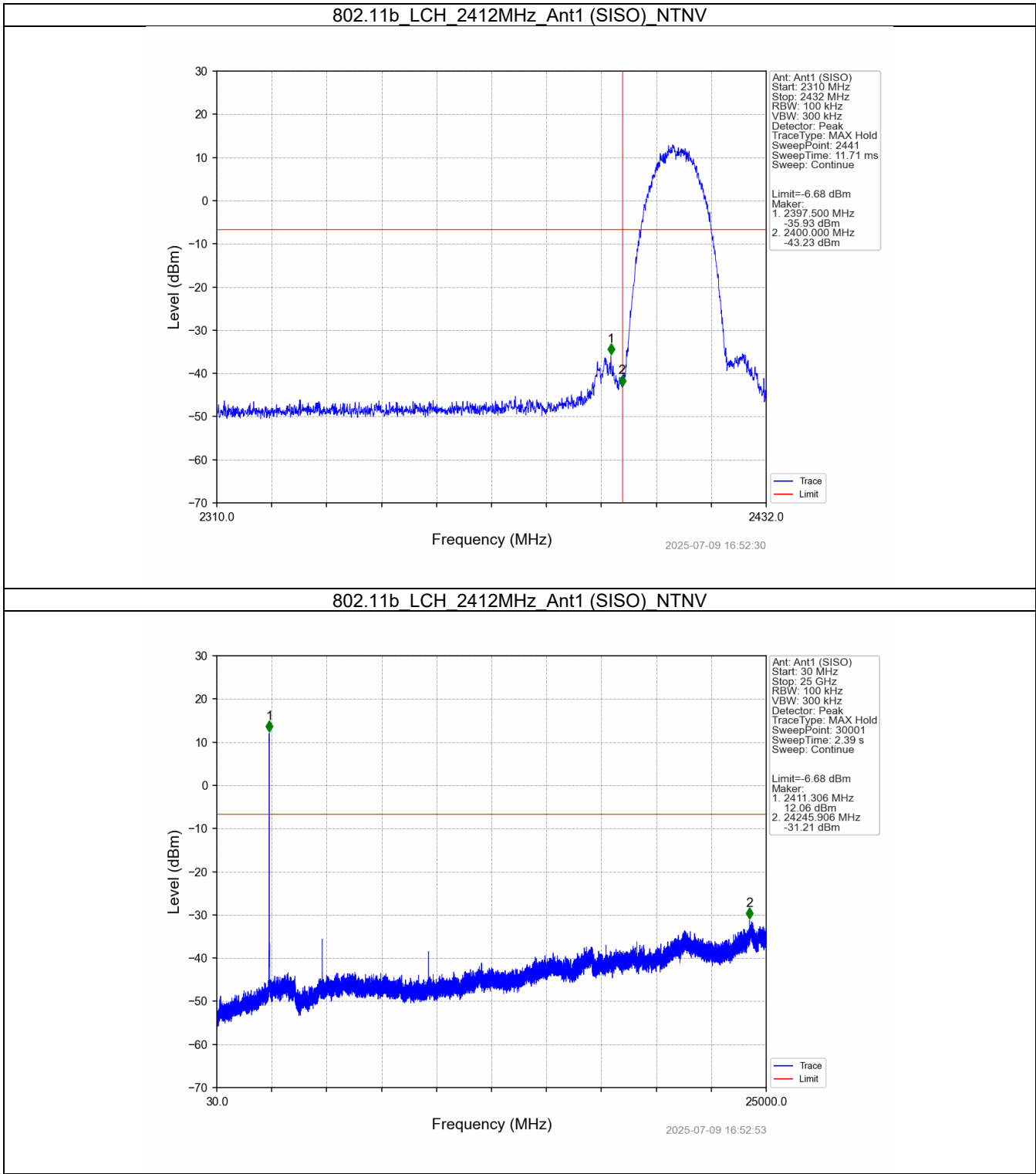
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



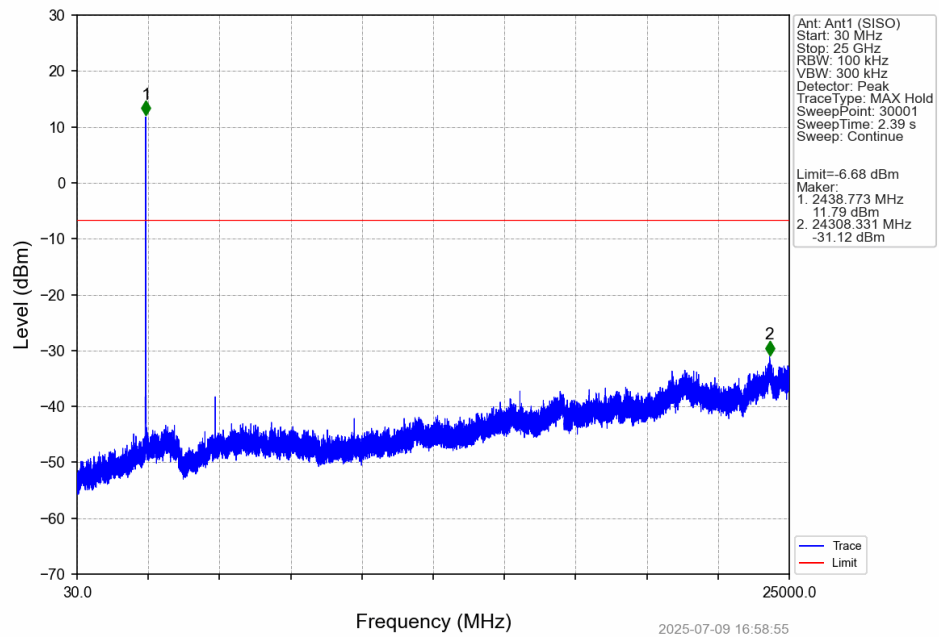
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



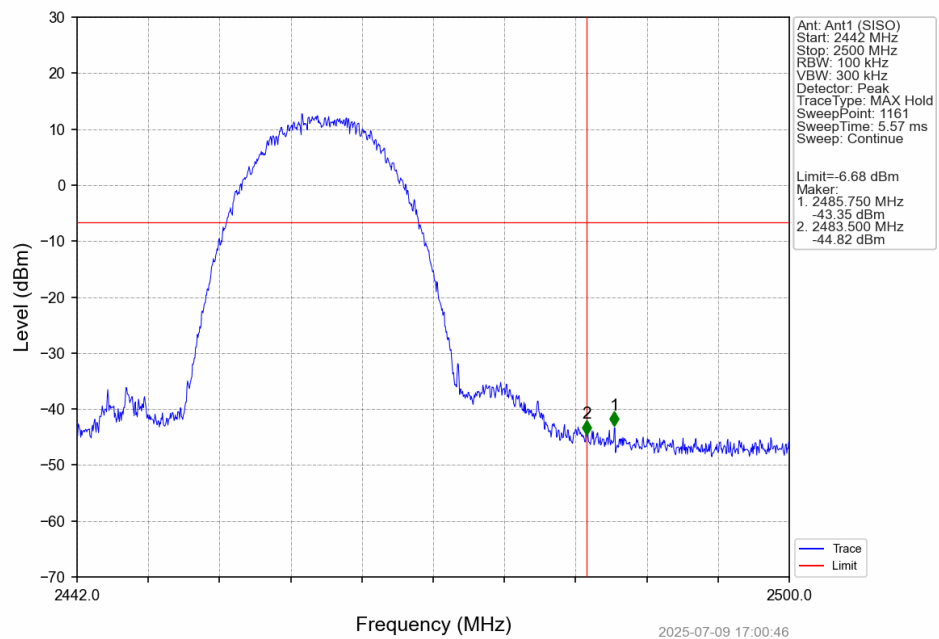
5.2.2 CSE



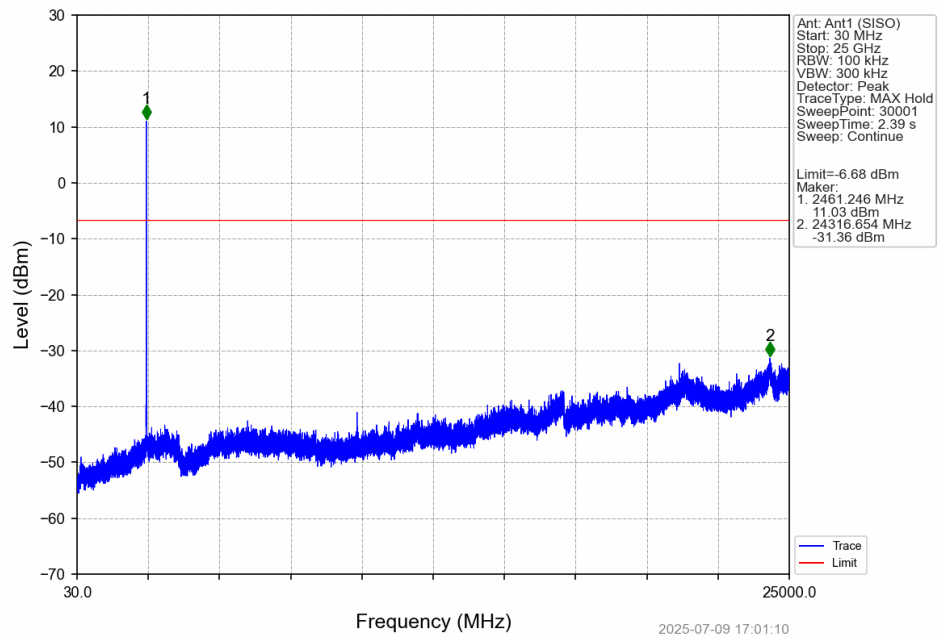
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



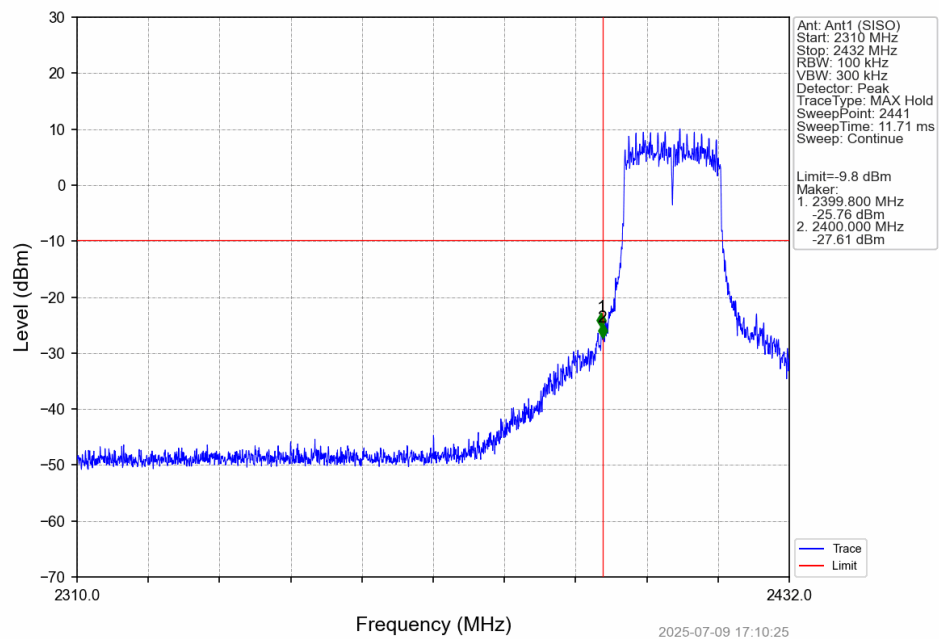
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



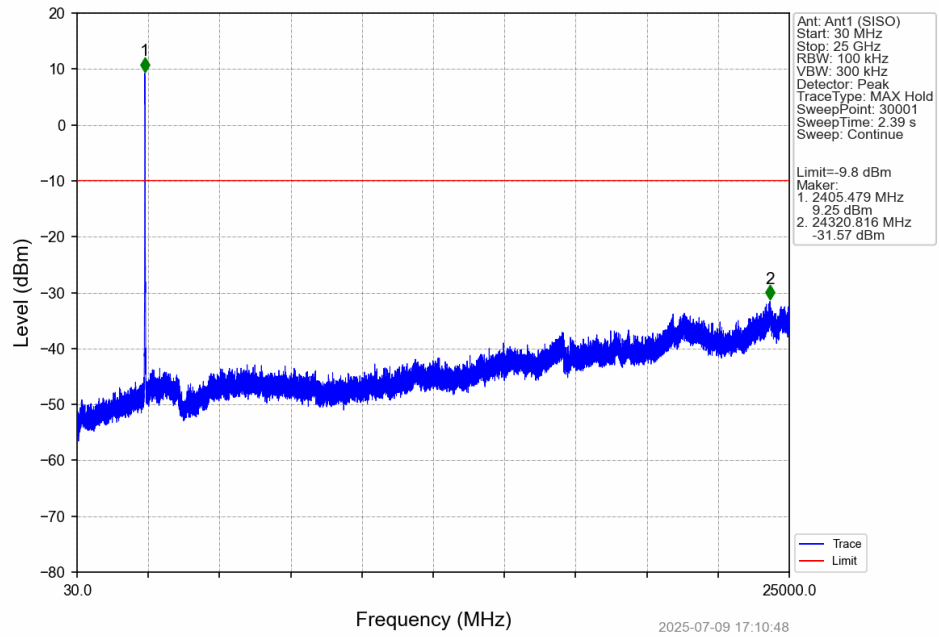
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



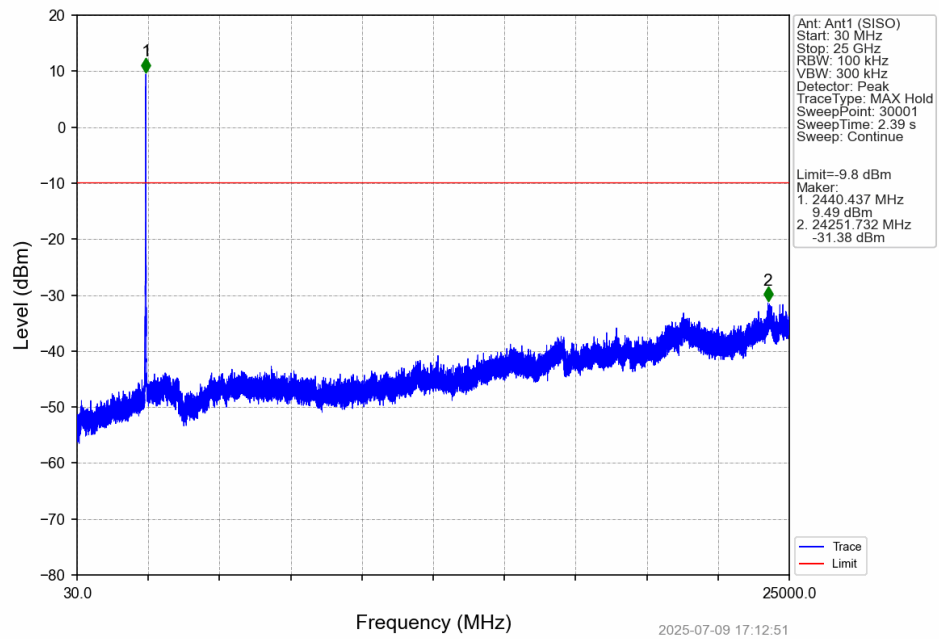
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



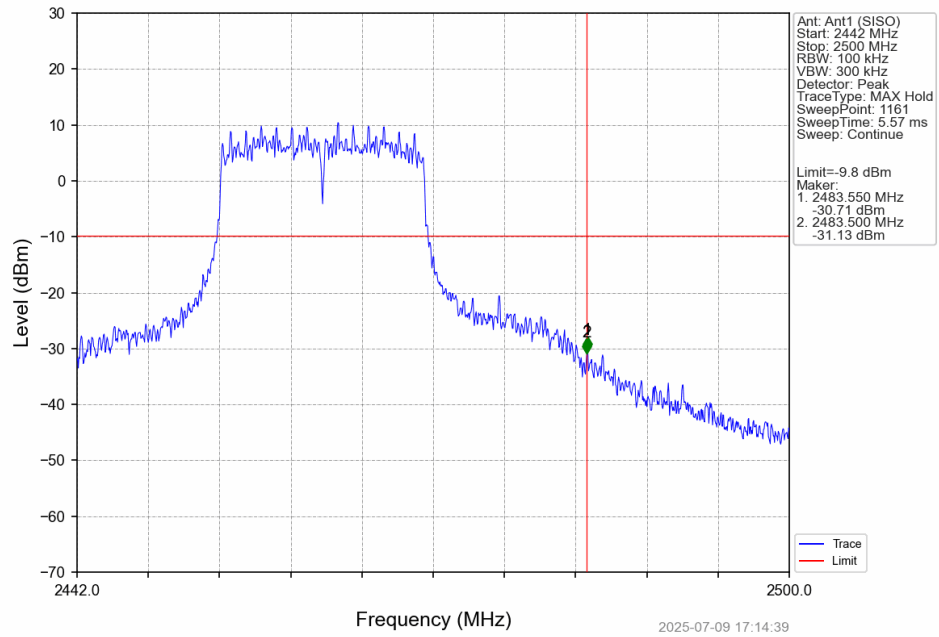
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



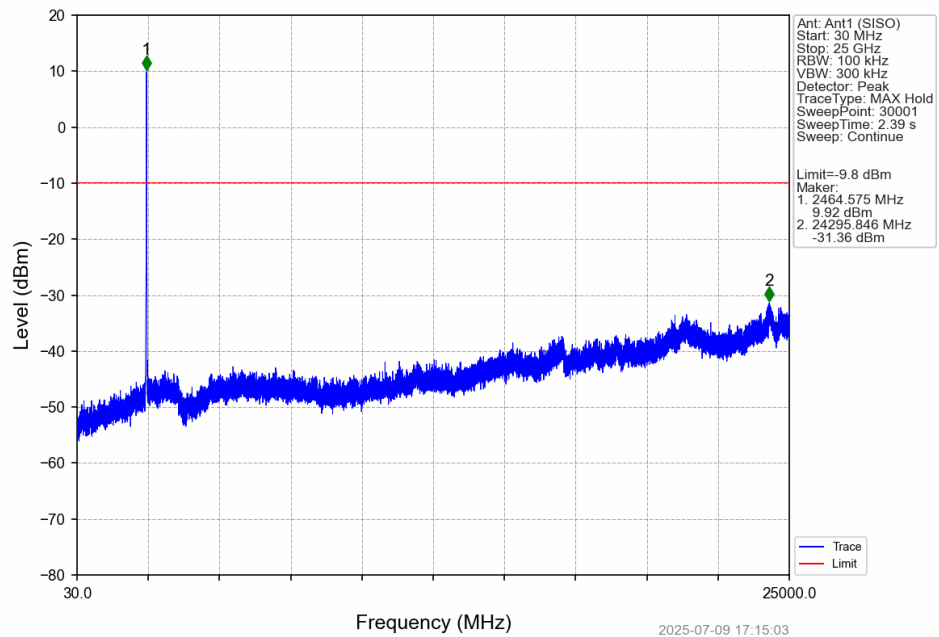
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



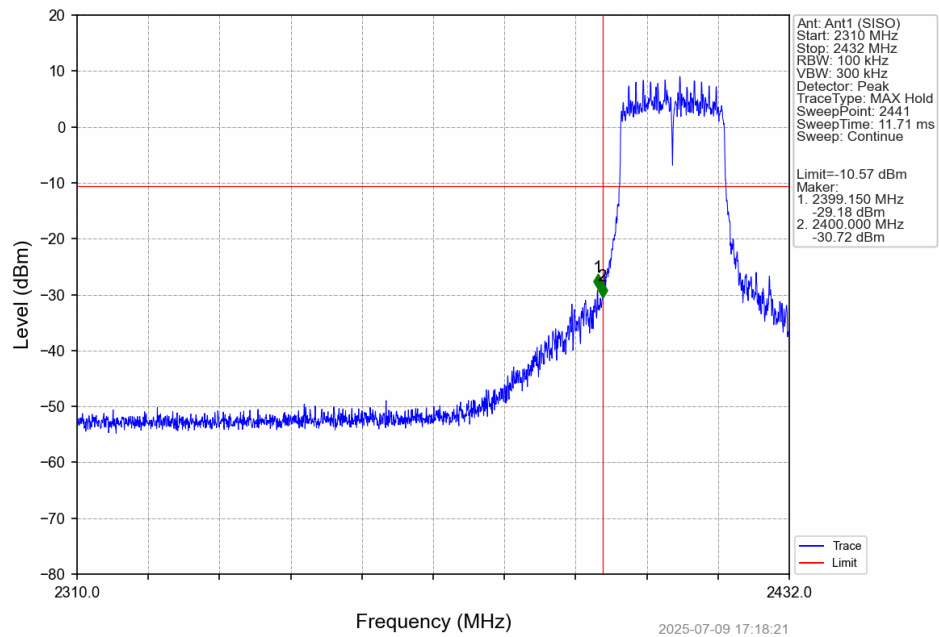
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



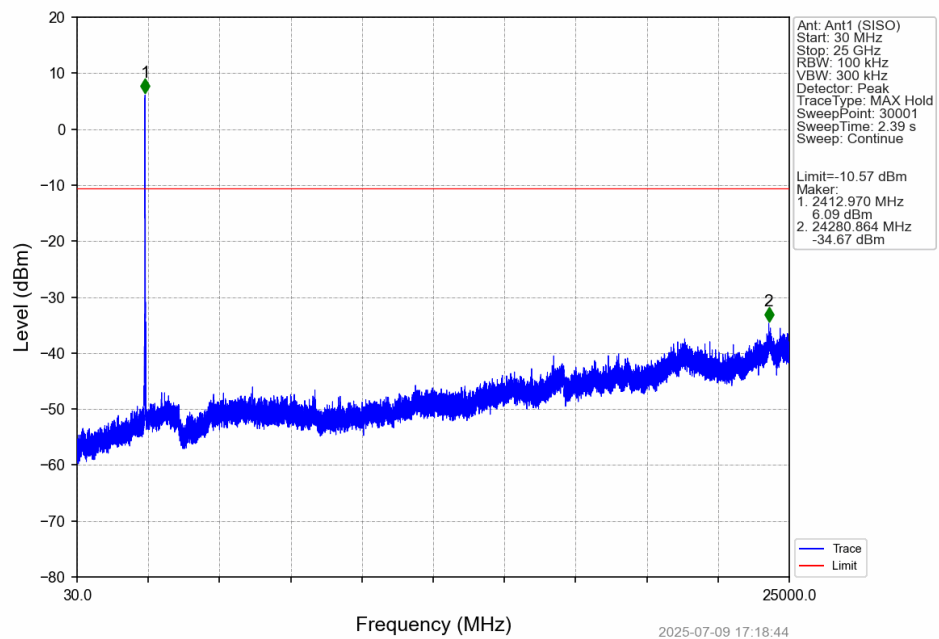
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



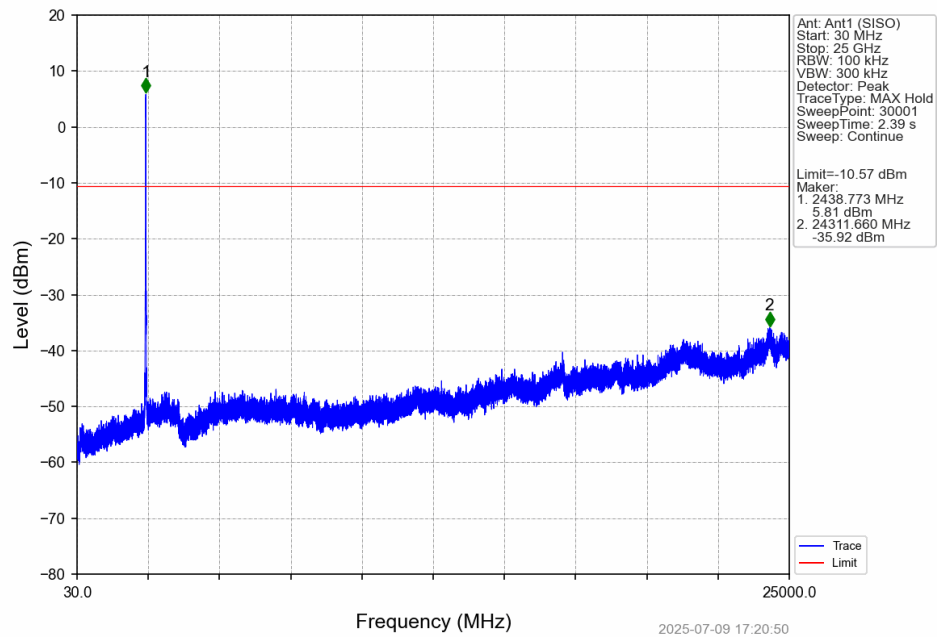
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



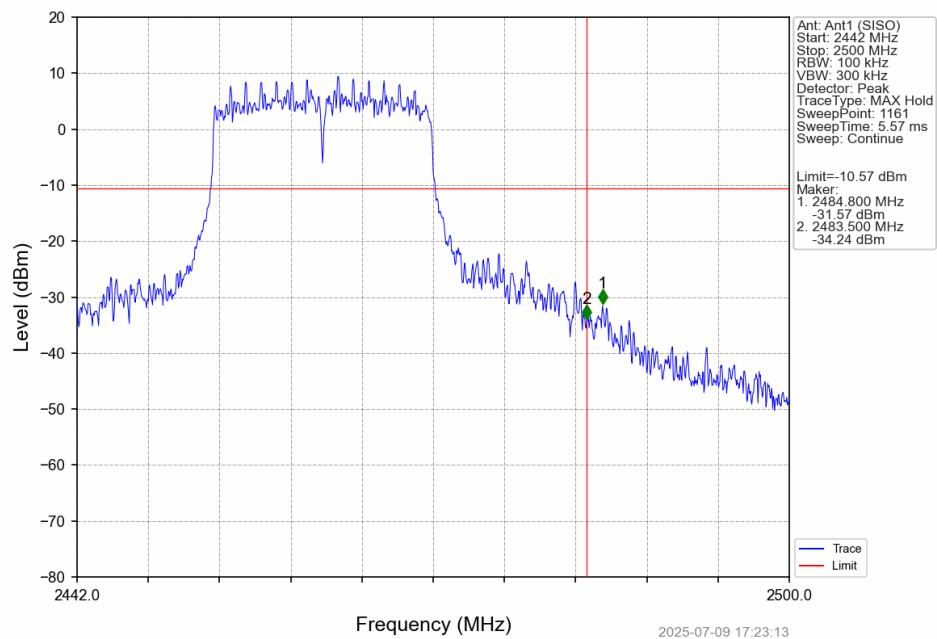
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

