

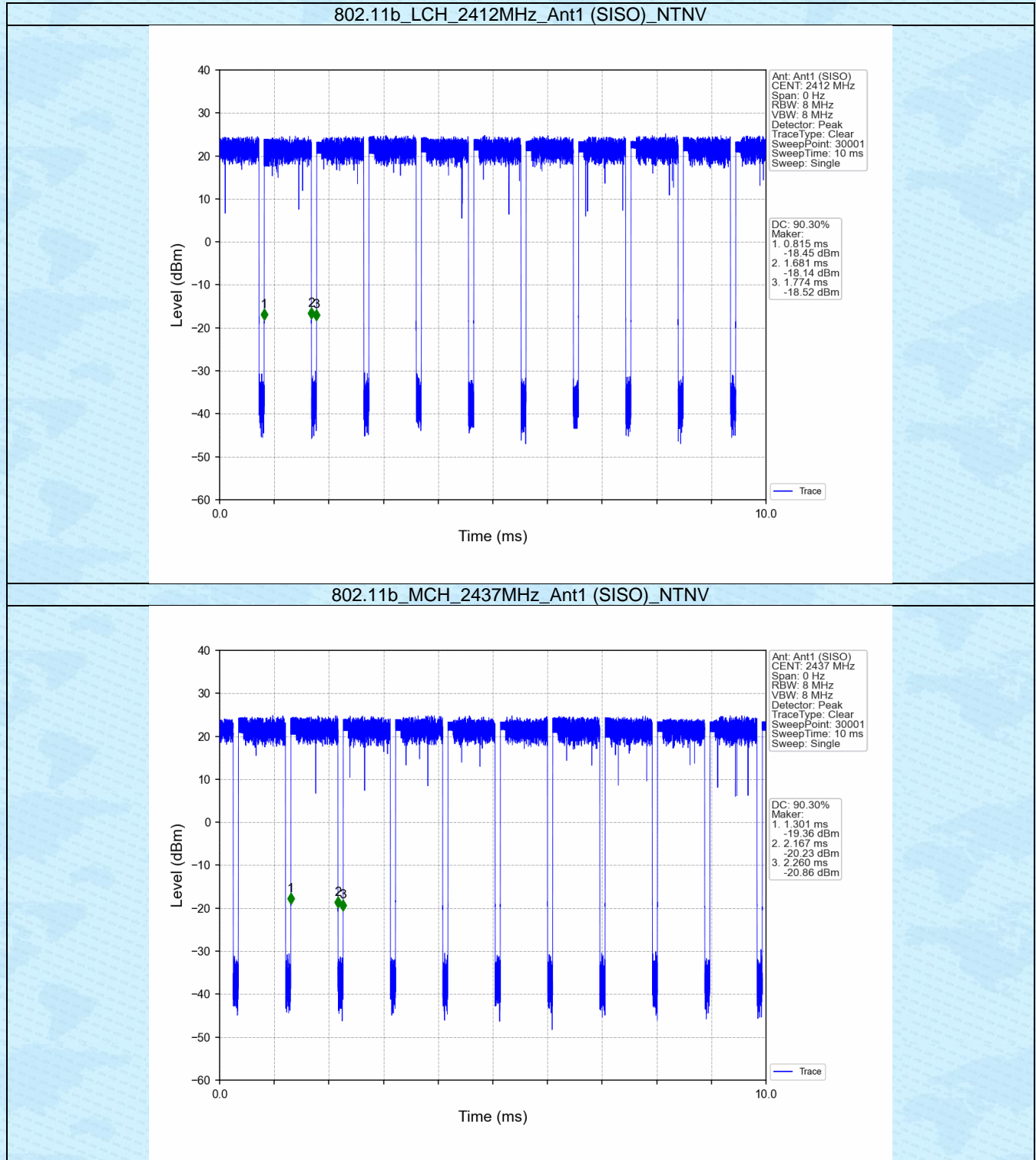
1. Duty Cycle

1.1 Ant1

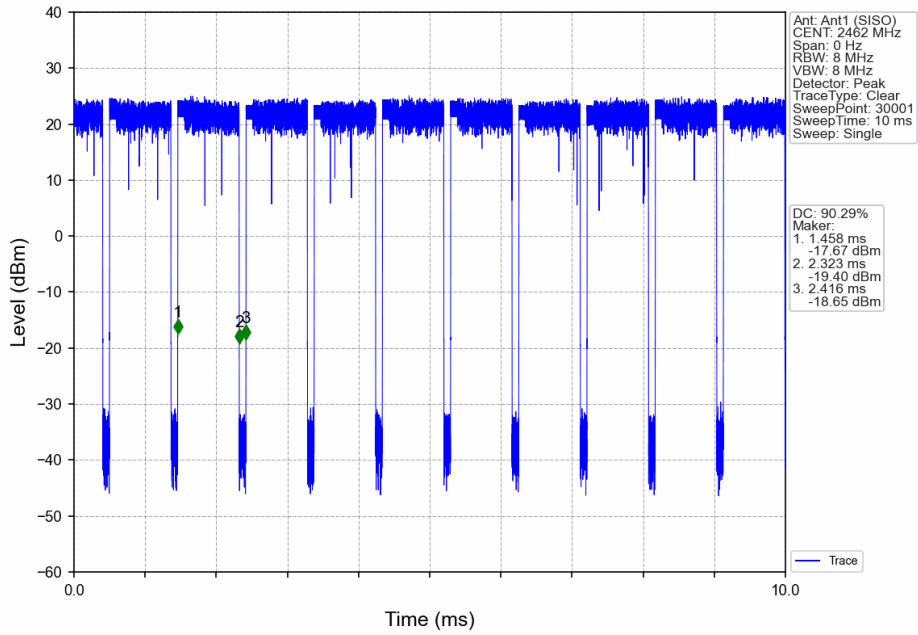
1.1.1 Test Result

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	0.866	0.959	90.30	0.44	0.03
		2437	0.866	0.959	90.30	0.44	0.03
		2462	0.865	0.958	90.29	0.44	0.03
802.11g	SISO	2412	0.493	0.593	83.14	0.80	0.04
		2437	0.492	0.593	82.97	0.81	0.03
		2462	0.492	0.593	82.97	0.81	0.07
802.11n (HT20)	SISO	2412	0.168	0.268	62.69	2.03	0.10
		2437	0.169	0.269	62.83	2.02	0.07
		2462	0.168	0.268	62.69	2.03	0.10

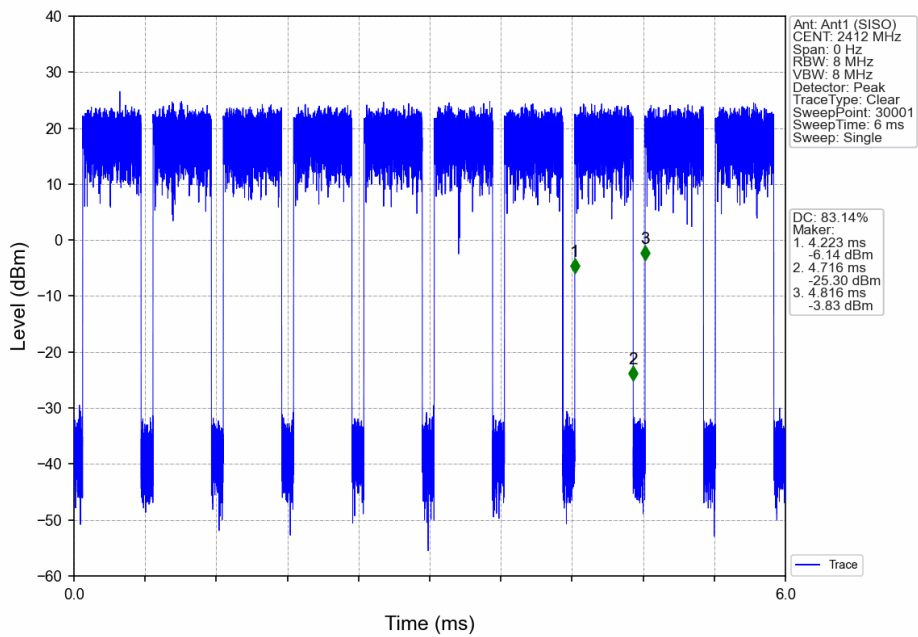
1.1.2 Test Graph



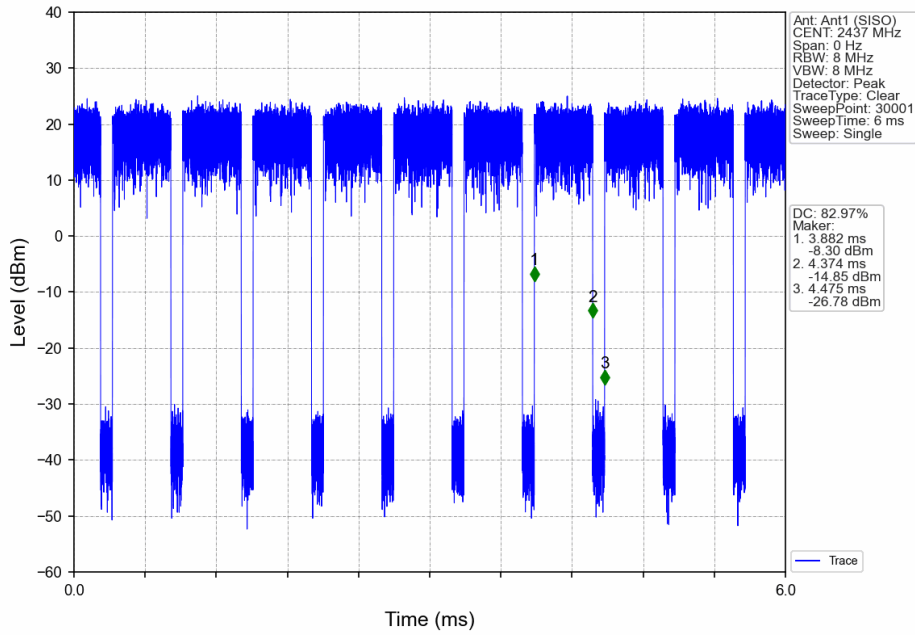
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



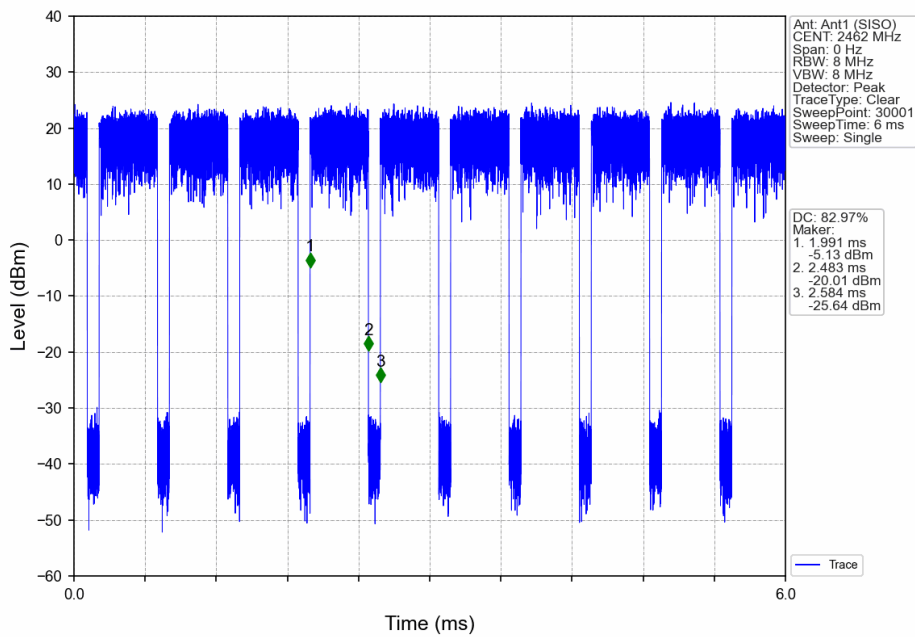
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



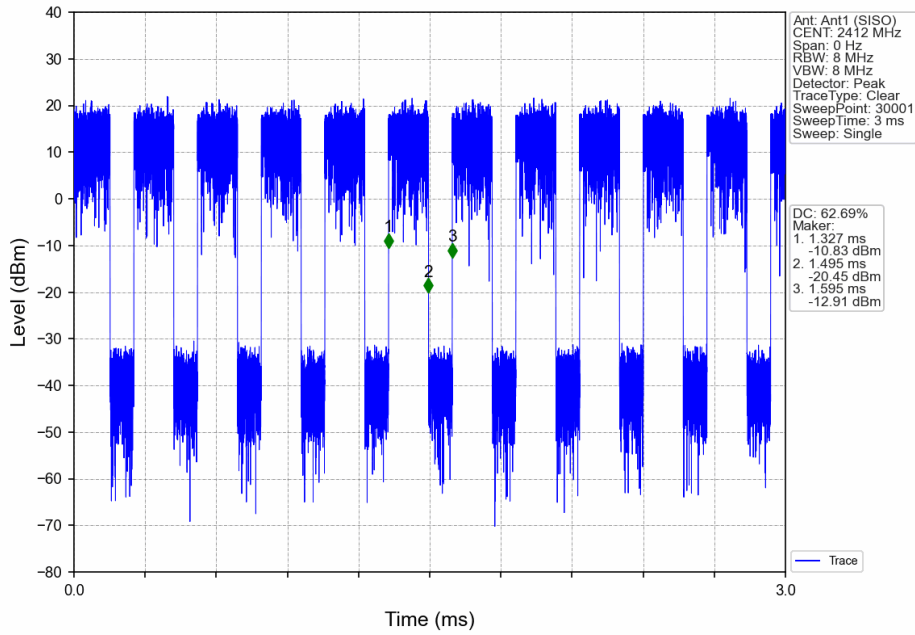
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



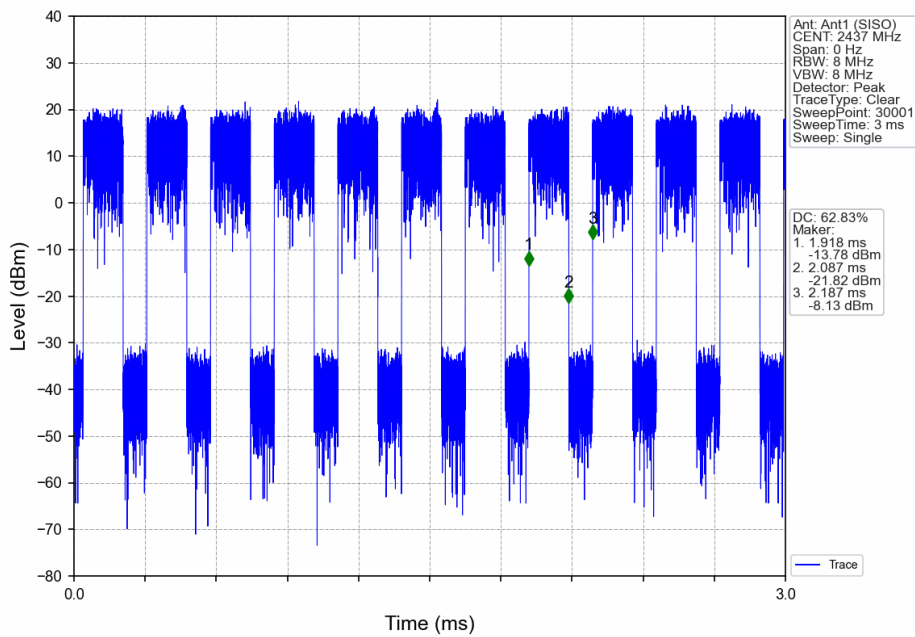
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



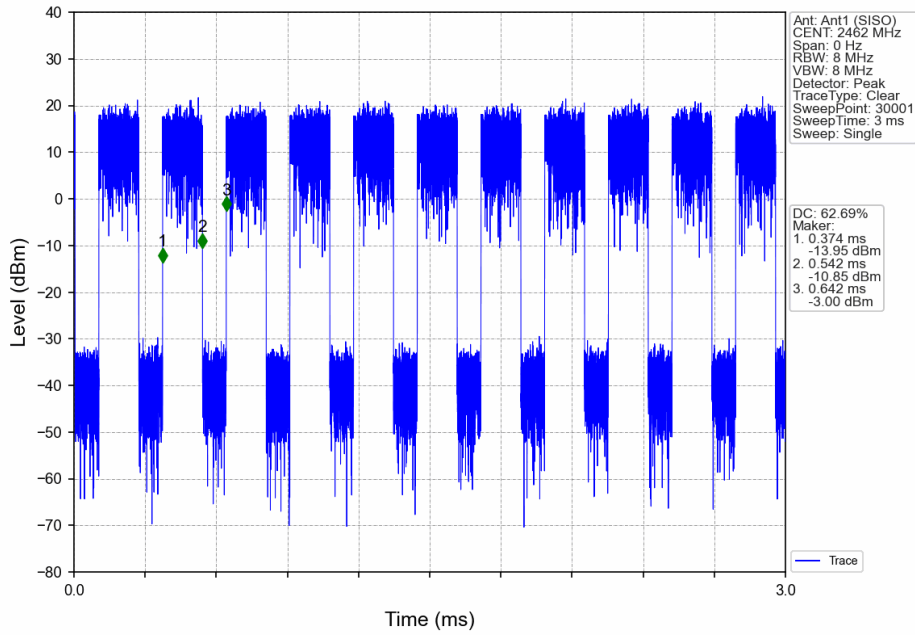
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



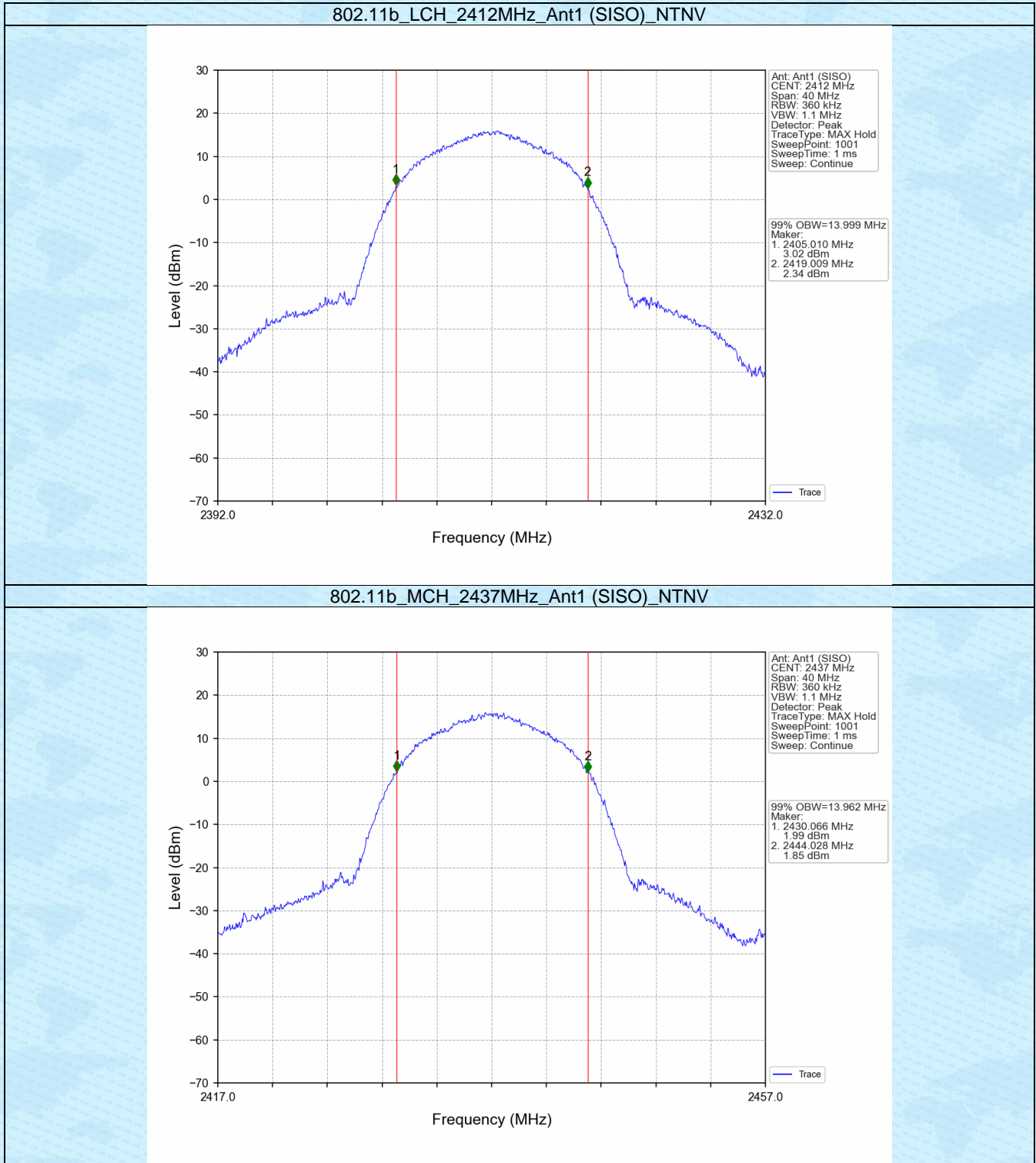
2. Bandwidth

2.1 OBW

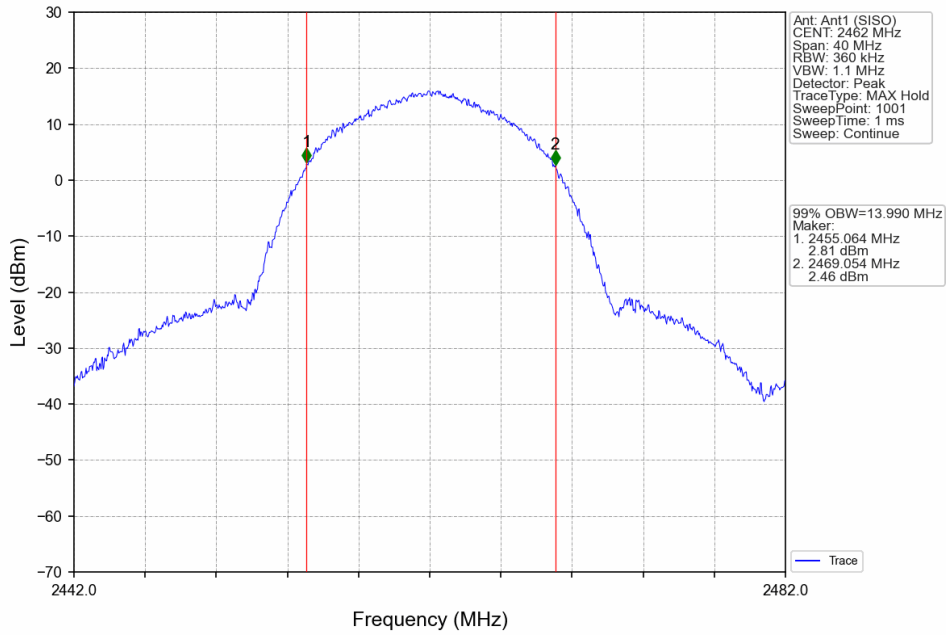
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.999	Pass
		2437	1	13.962	Pass
		2462	1	13.990	Pass
802.11g	SISO	2412	1	17.486	Pass
		2437	1	17.604	Pass
		2462	1	17.561	Pass
802.11n (HT20)	SISO	2412	1	17.965	Pass
		2437	1	17.913	Pass
		2462	1	17.989	Pass

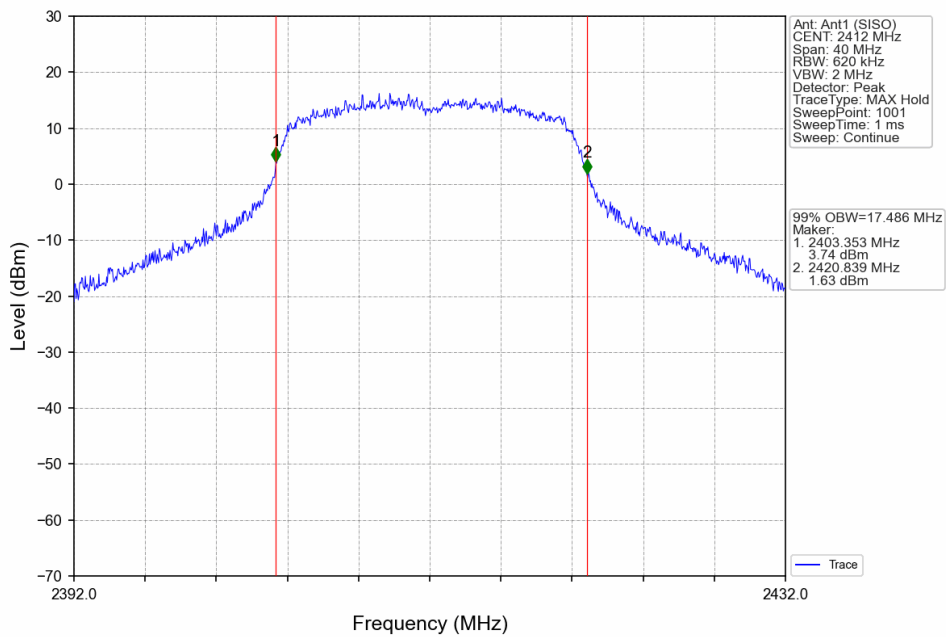
2.1.2 Test Graph



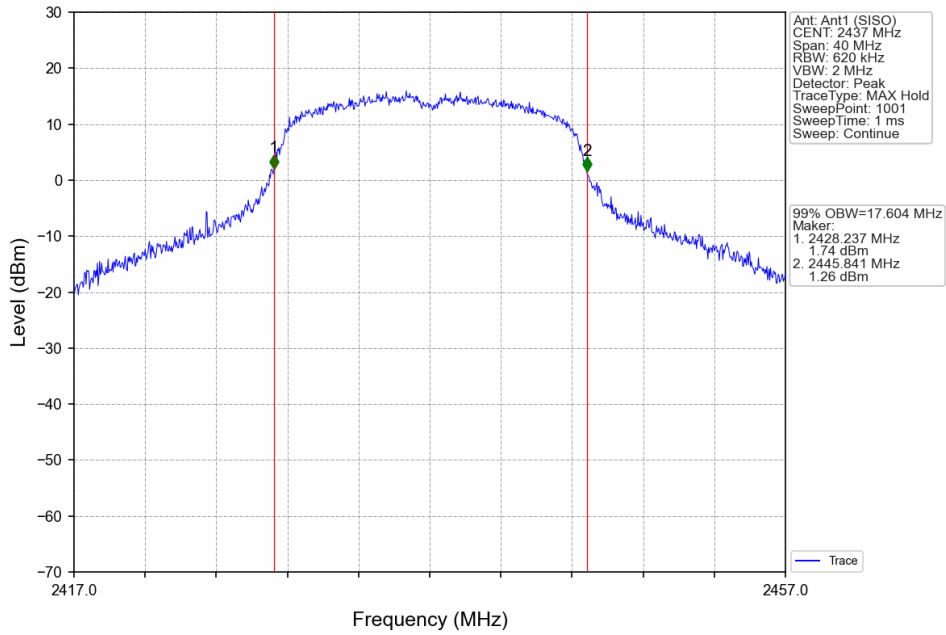
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



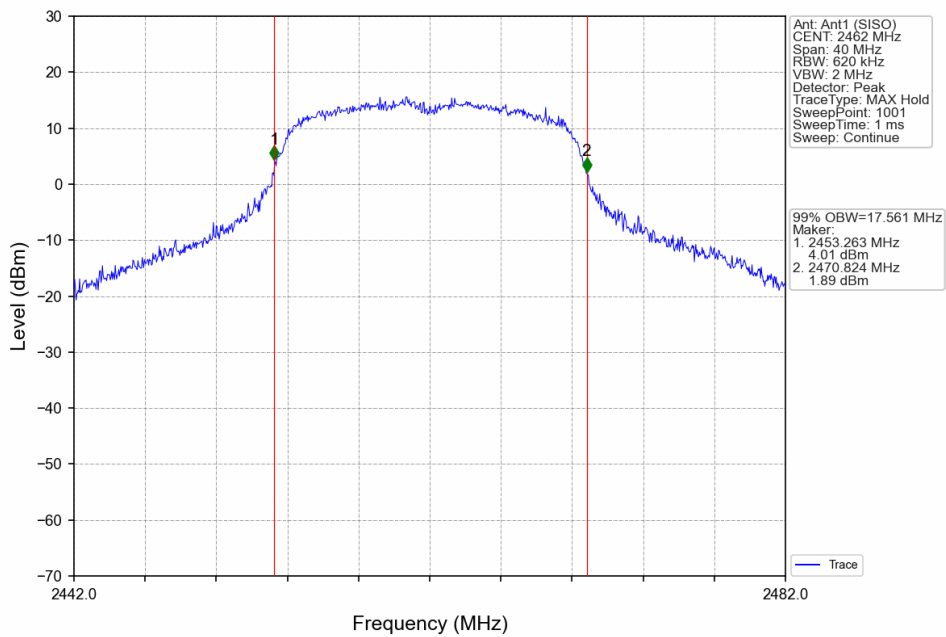
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



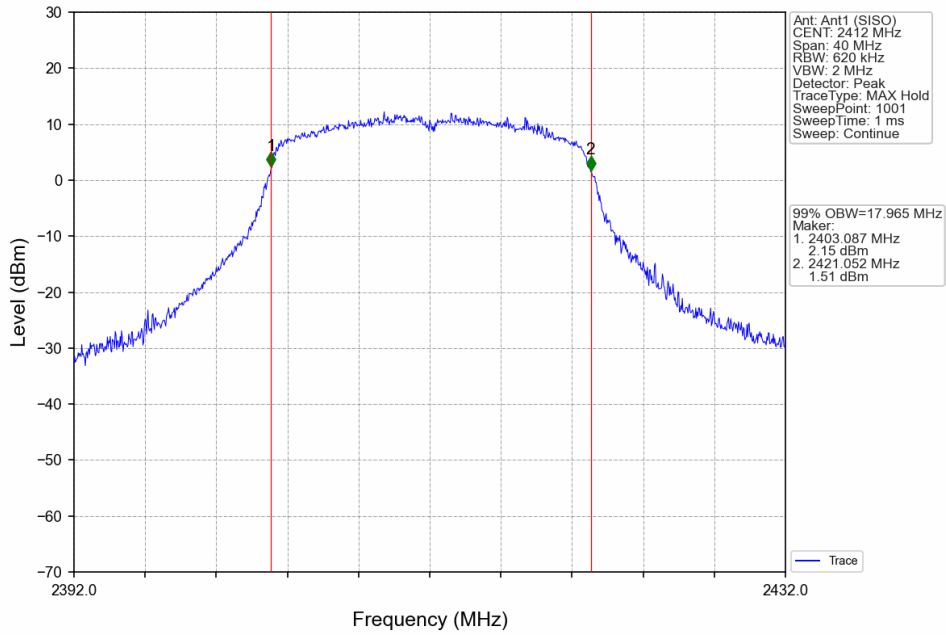
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



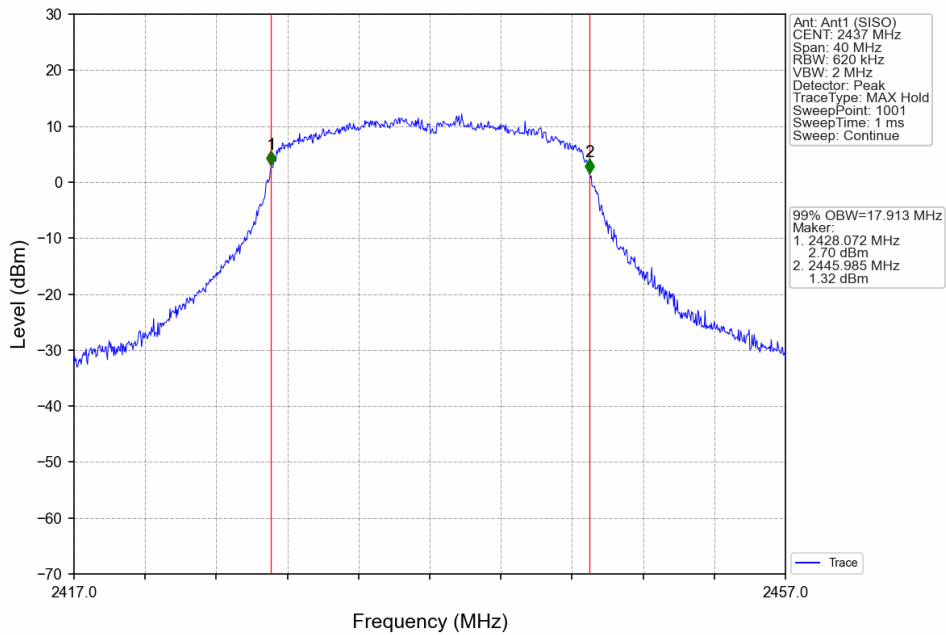
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



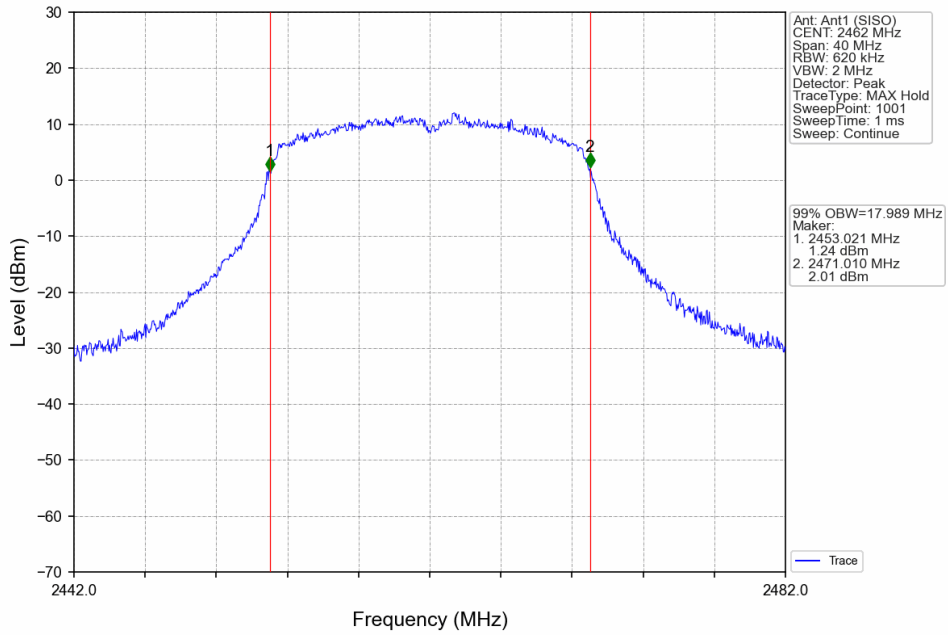
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

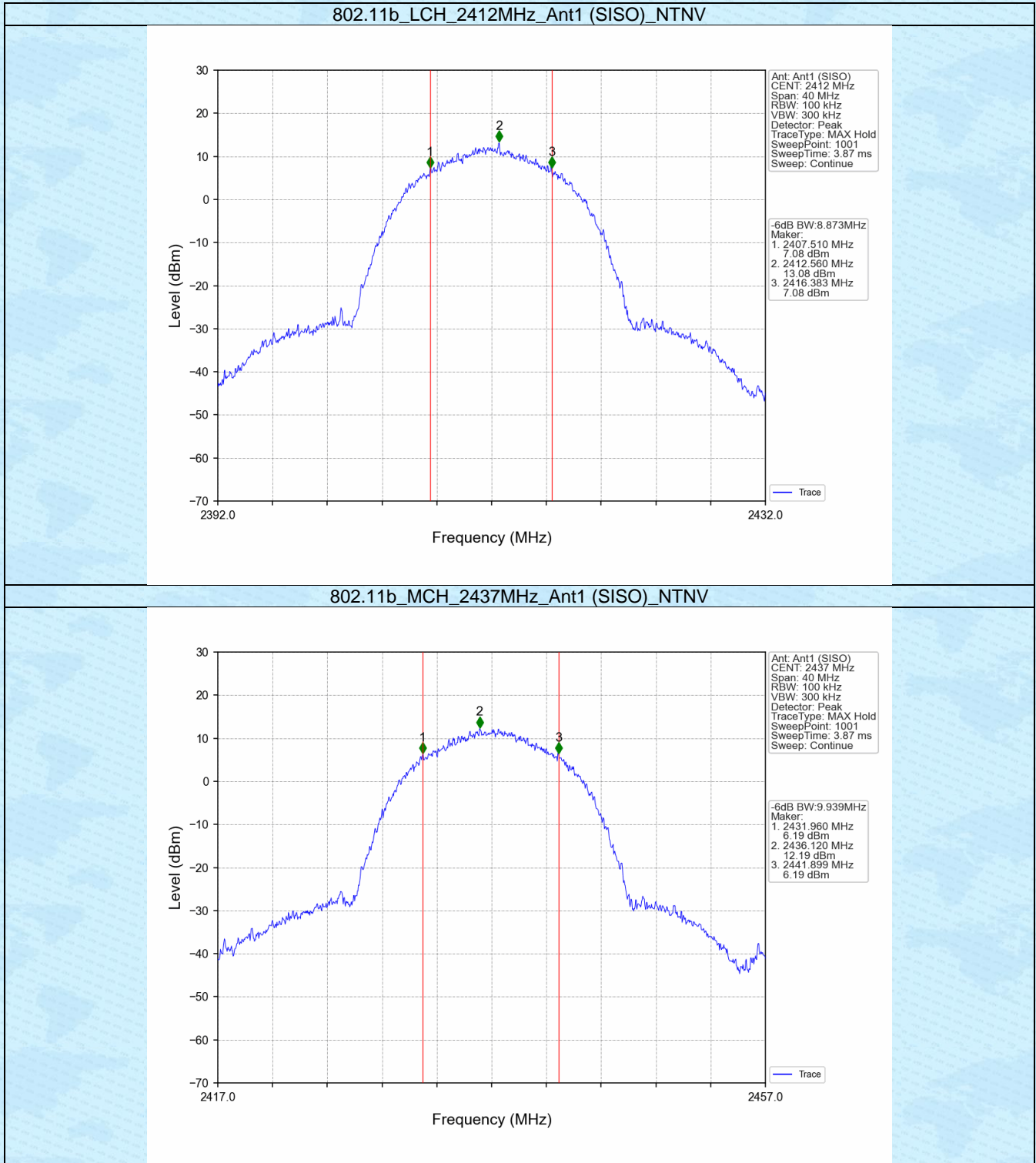


2.2 6dB BW

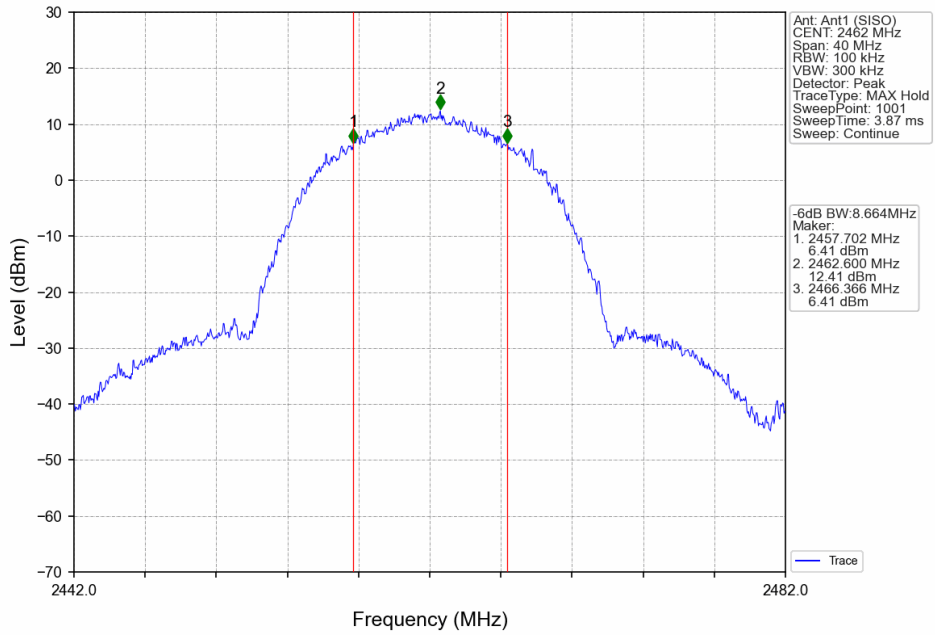
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.873	≥ 0.5	Pass
		2437	1	9.939	≥ 0.5	Pass
		2462	1	8.664	≥ 0.5	Pass
802.11g	SISO	2412	1	15.160	≥ 0.5	Pass
		2437	1	15.157	≥ 0.5	Pass
		2462	1	15.160	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.448	≥ 0.5	Pass
		2437	1	16.287	≥ 0.5	Pass
		2462	1	15.719	≥ 0.5	Pass

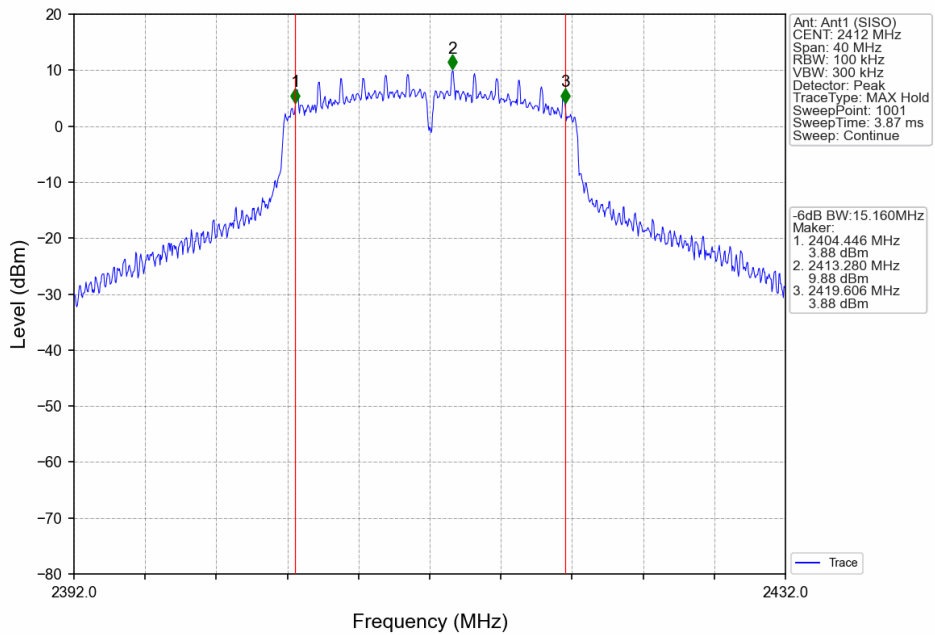
2.2.2 Test Graph



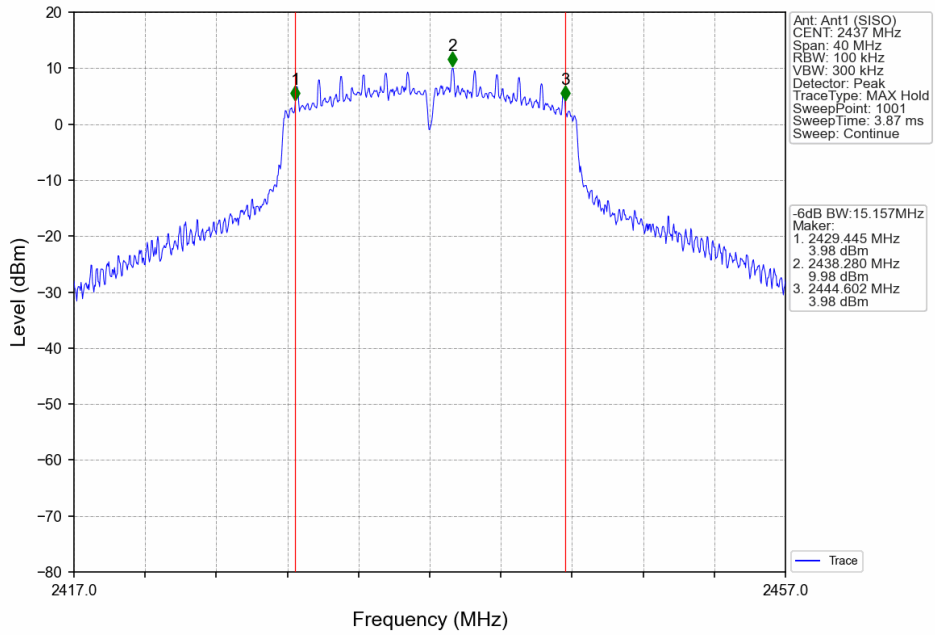
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



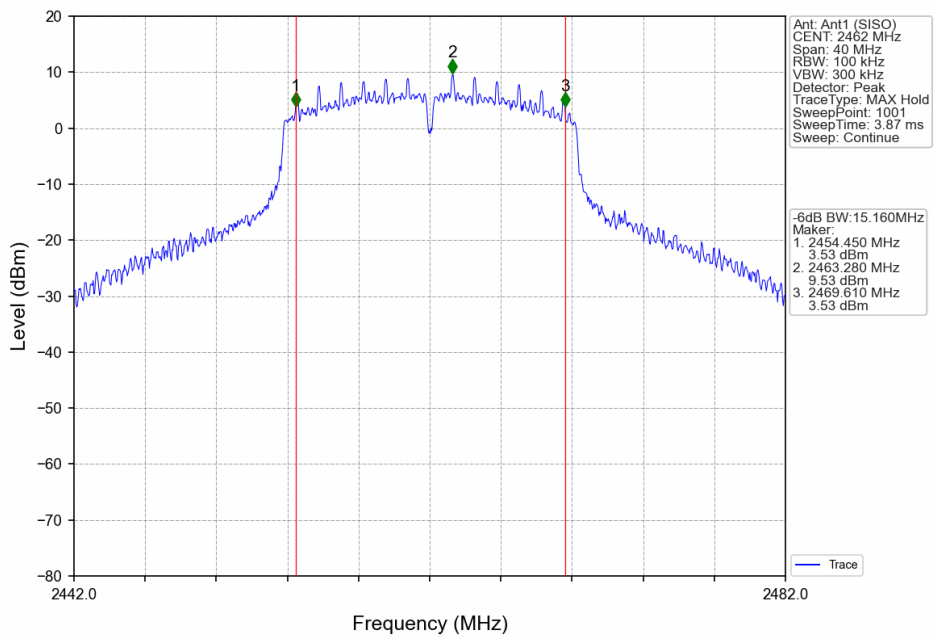
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



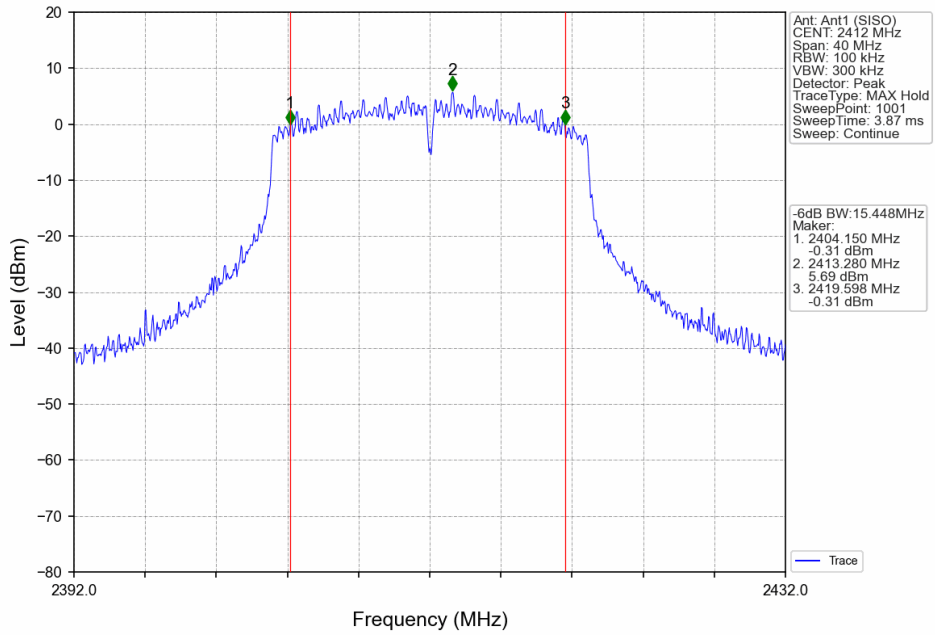
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



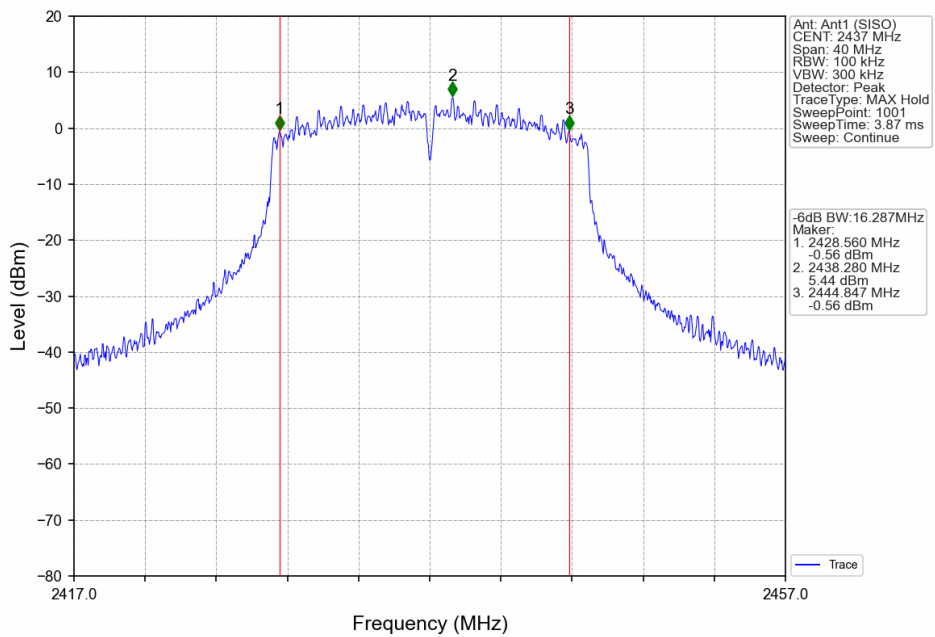
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



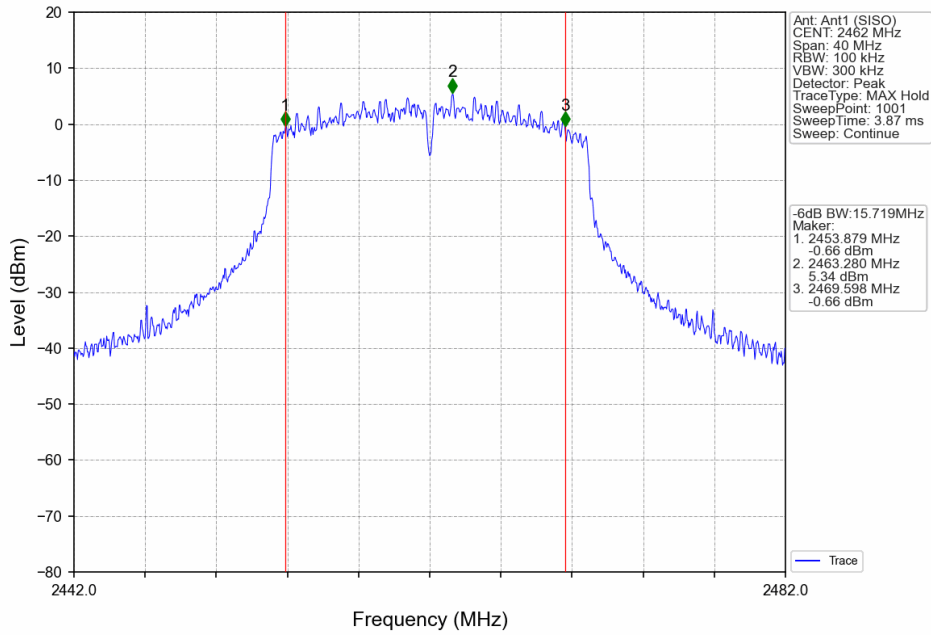
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	26.29	<=30	Pass
		2437	26.71	<=30	Pass
		2462	26.33	<=30	Pass
802.11g	SISO	2412	26.99	<=30	Pass
		2437	27.04	<=30	Pass
		2462	26.74	<=30	Pass
802.11n (HT20)	SISO	2412	23.48	<=30	Pass
		2437	23.39	<=30	Pass
		2462	23.17	<=30	Pass

Note1: Antenna Gain: Ant1: -1.71dBi;

4. Maximum Power Spectral Density

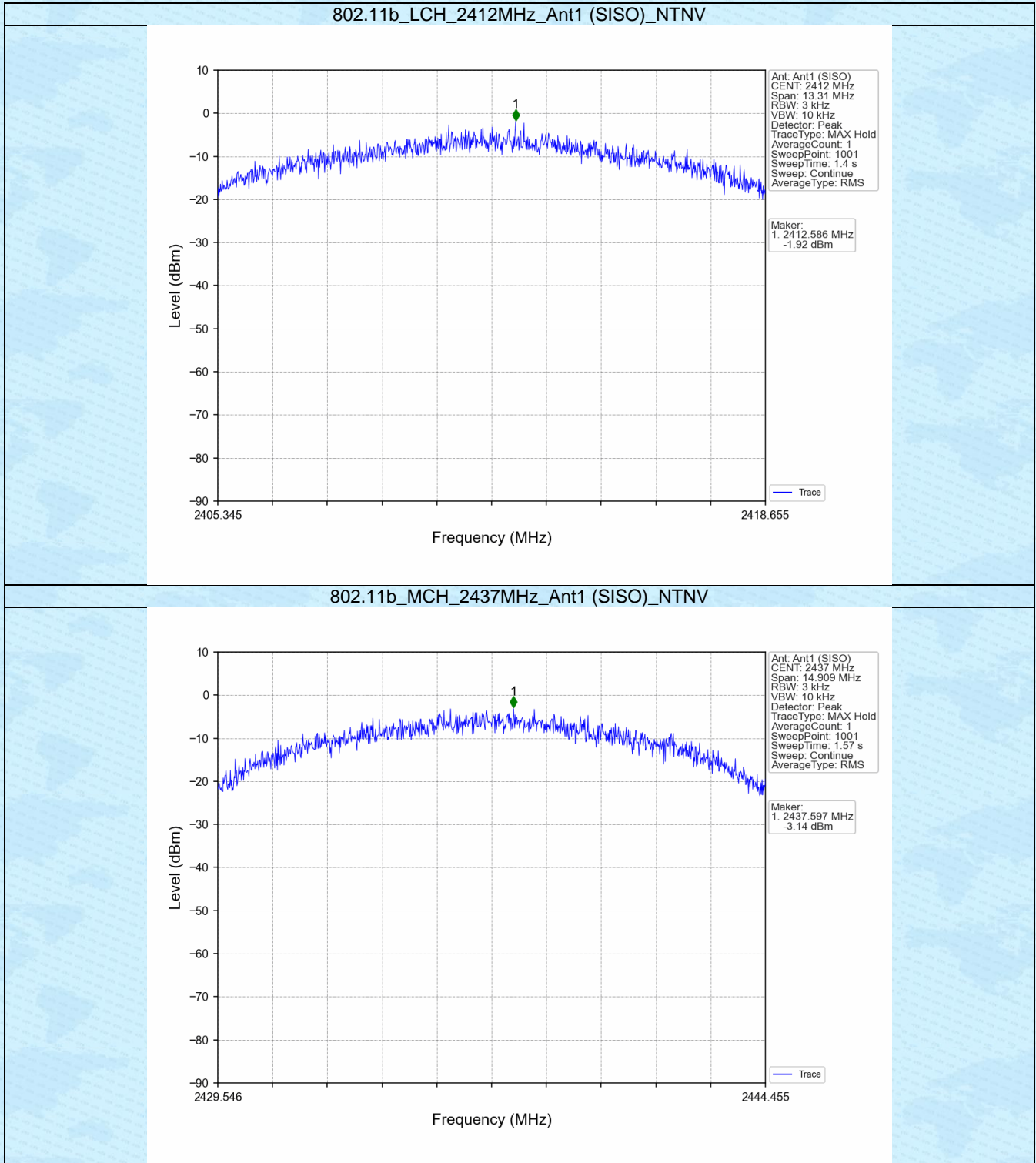
4.1 PSD

4.1.1 Test Result

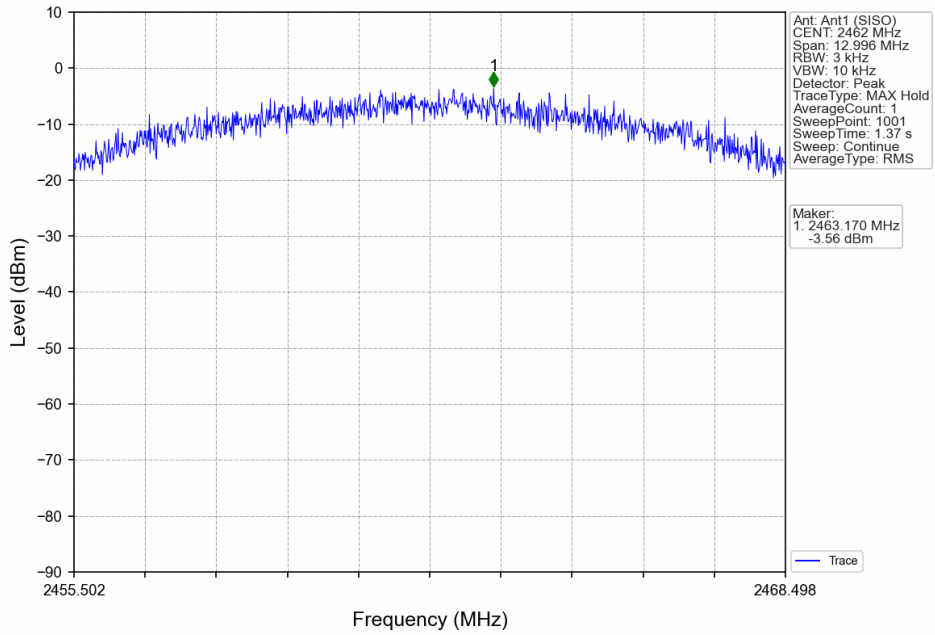
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-1.92	<=8	Pass
		2437	-3.14	<=8	Pass
		2462	-3.56	<=8	Pass
802.11g	SISO	2412	-5.98	<=8	Pass
		2437	-5.73	<=8	Pass
		2462	-6.01	<=8	Pass
802.11n (HT20)	SISO	2412	-10.36	<=8	Pass
		2437	-10.22	<=8	Pass
		2462	-10.95	<=8	Pass

Note1: Antenna Gain: Ant1: -1.71dBi;

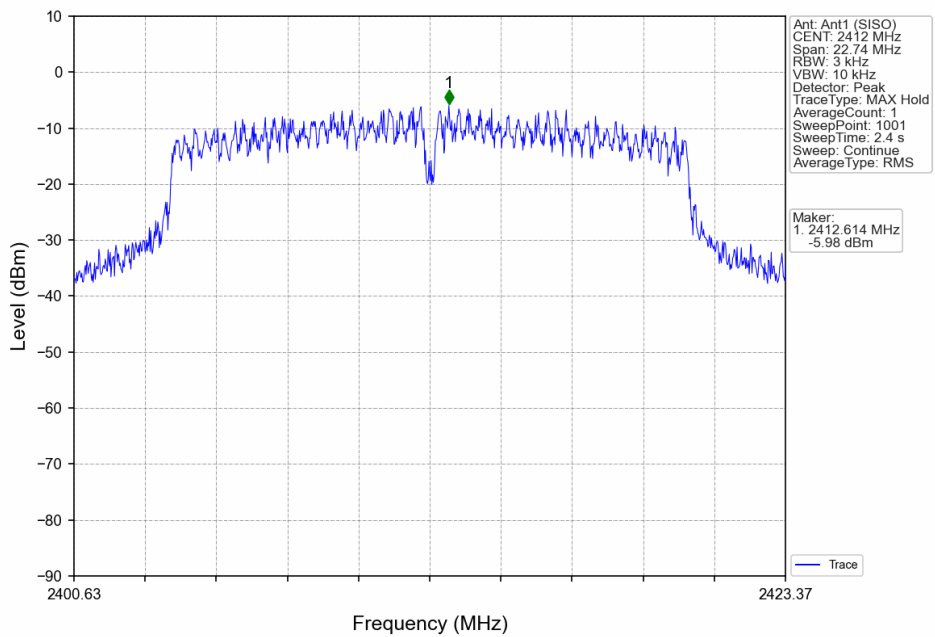
4.1.2 Test Graph



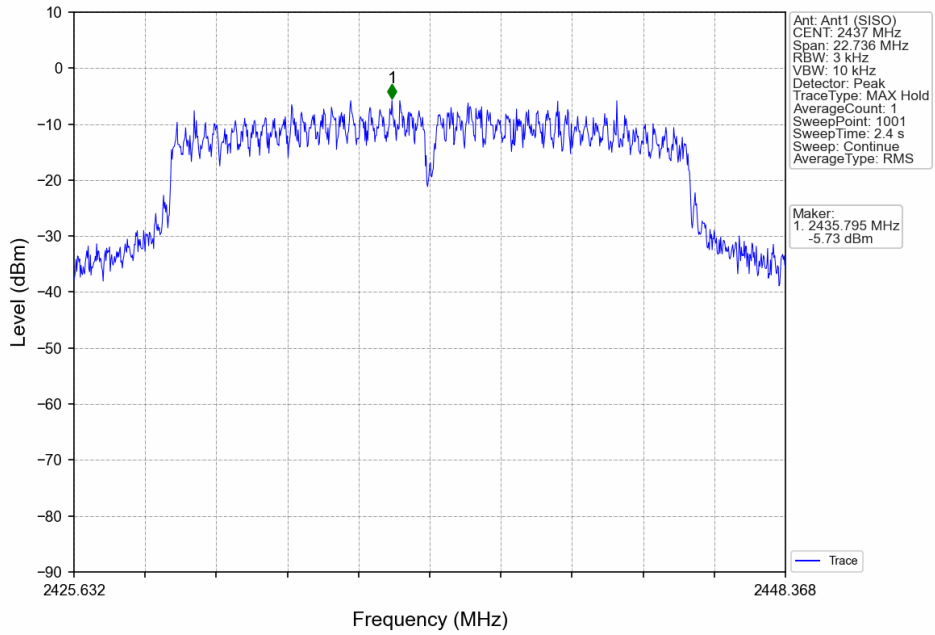
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



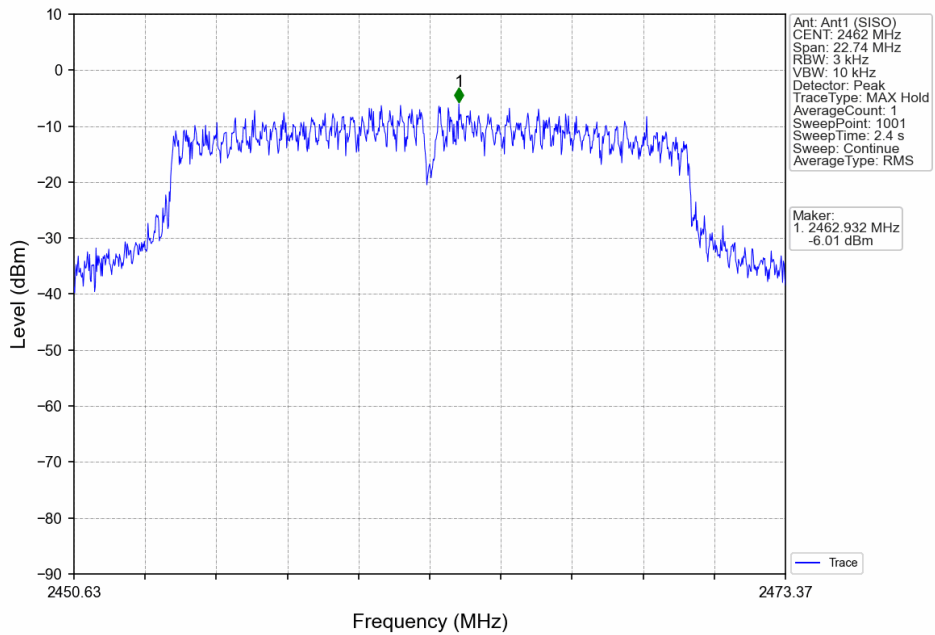
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



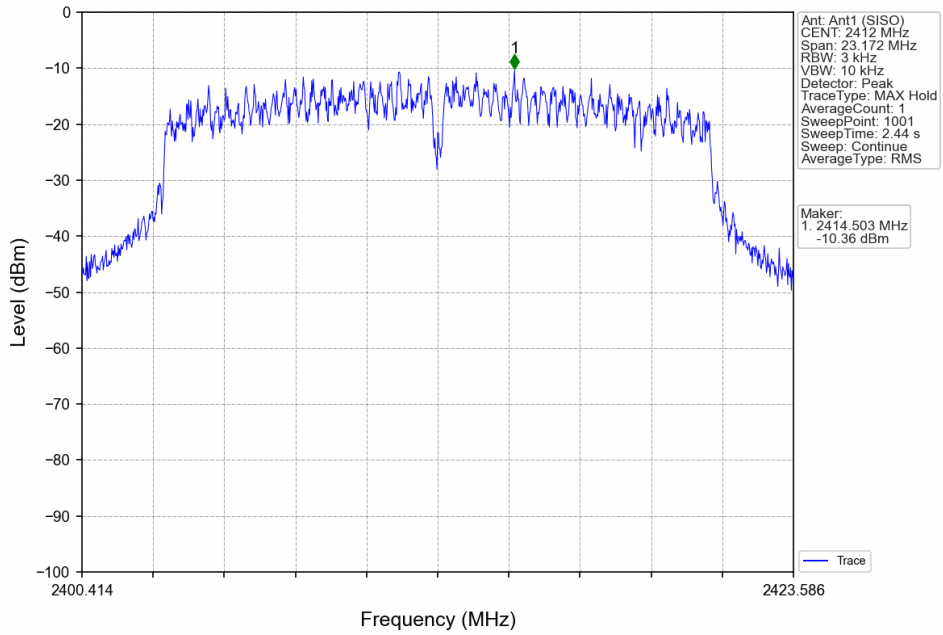
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



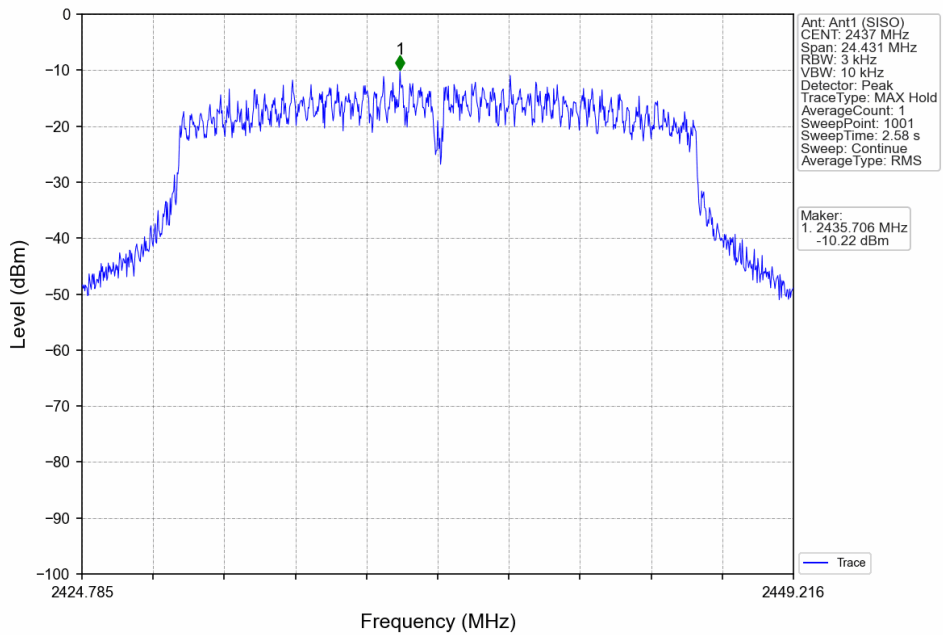
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



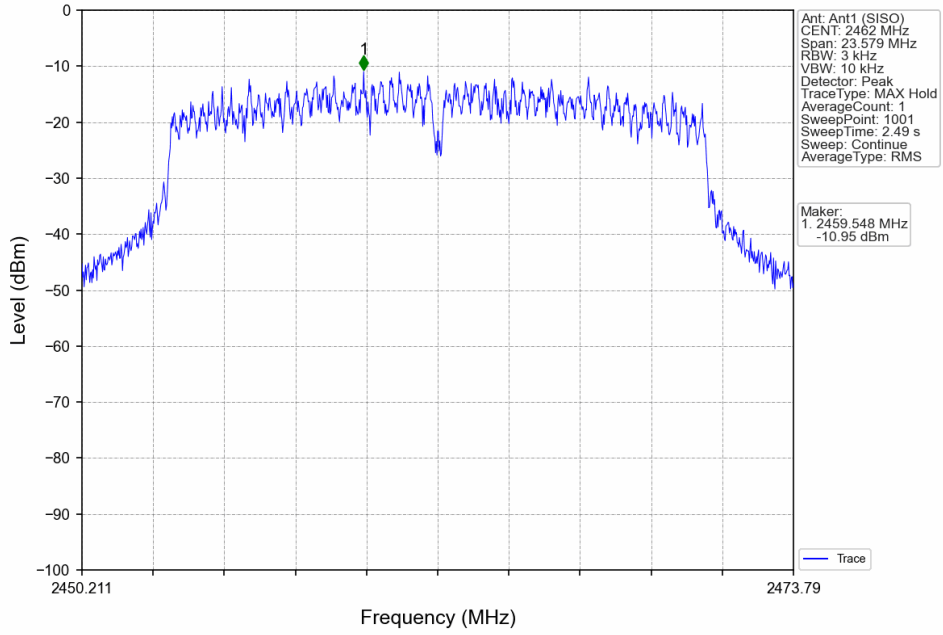
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

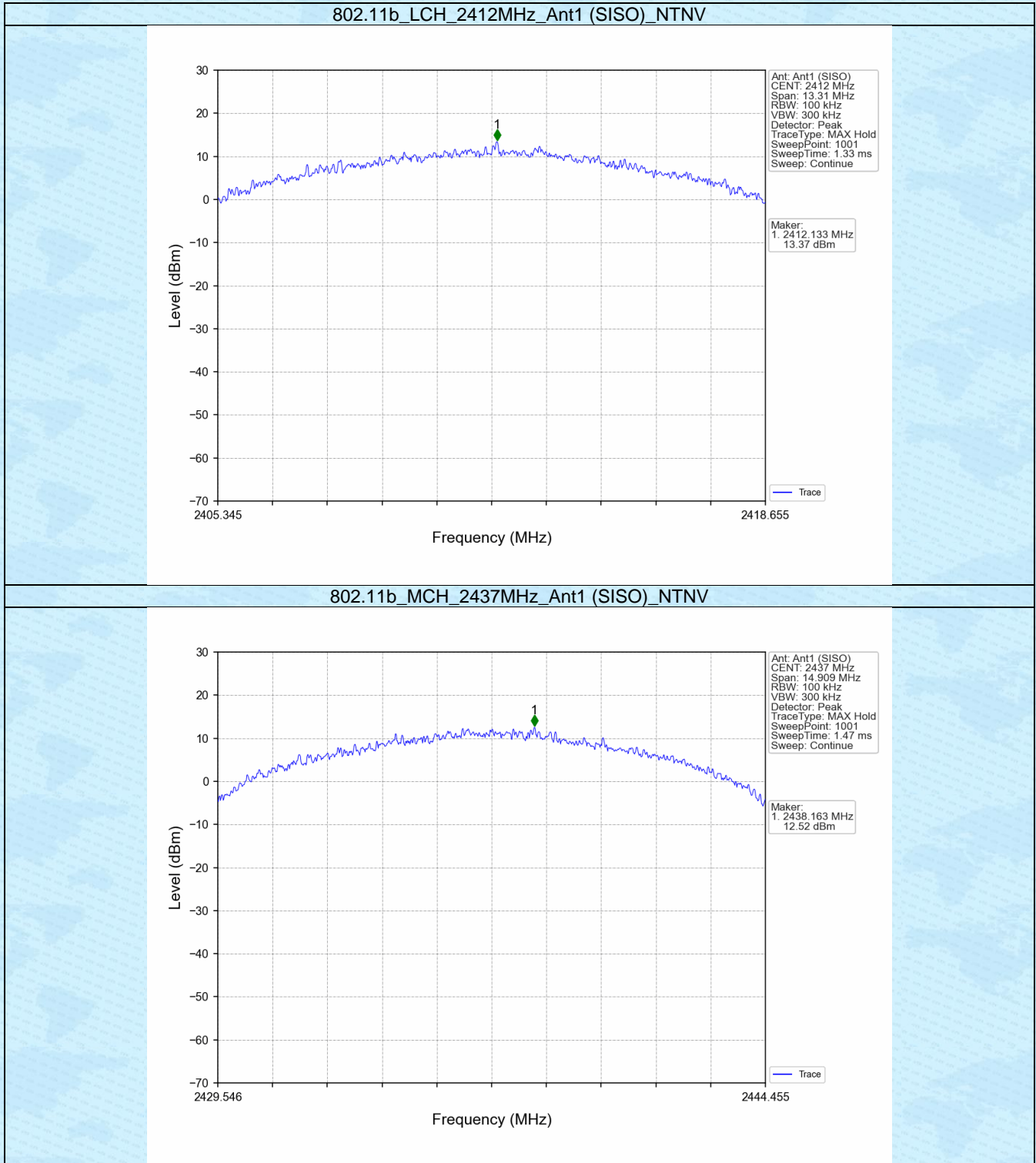
5.1 Ref

5.1.1 Test Result

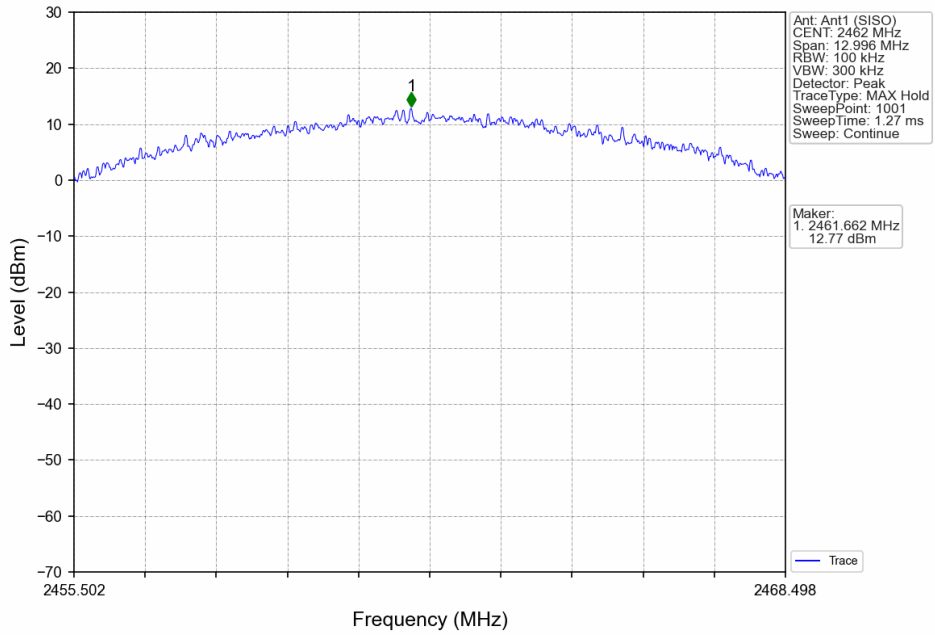
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	13.37
		2437	1	12.52
		2462	1	12.77
802.11g	SISO	2412	1	9.90
		2437	1	9.68
		2462	1	9.52
802.11n (HT20)	SISO	2412	1	5.73
		2437	1	5.39
		2462	1	5.35

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.

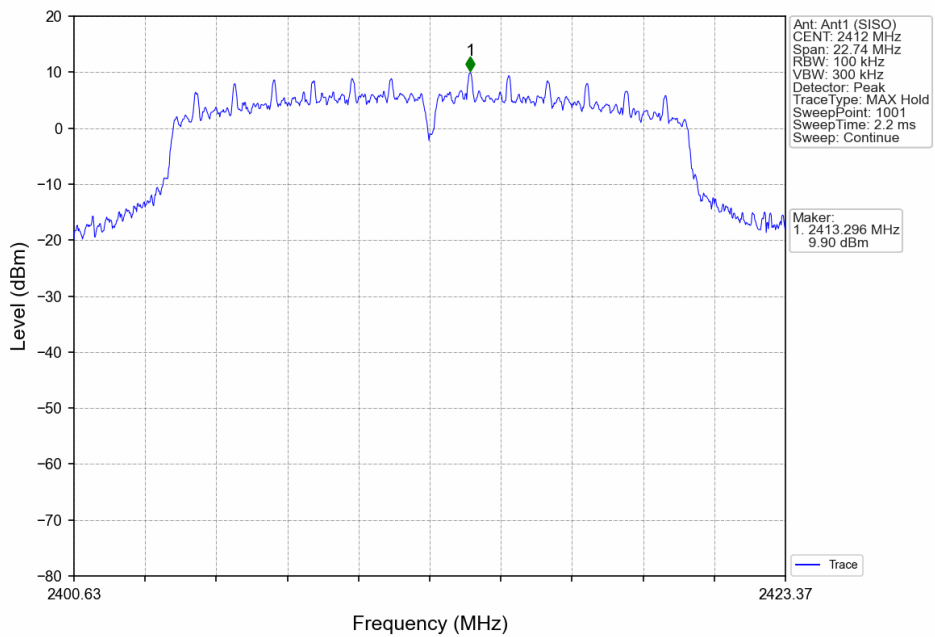
5.1.2 Test Graph



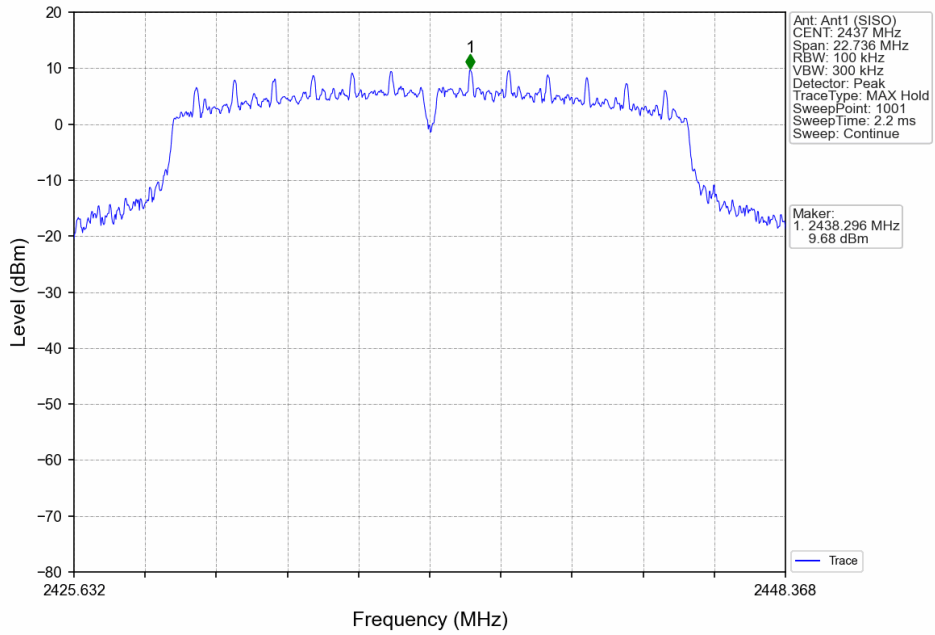
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



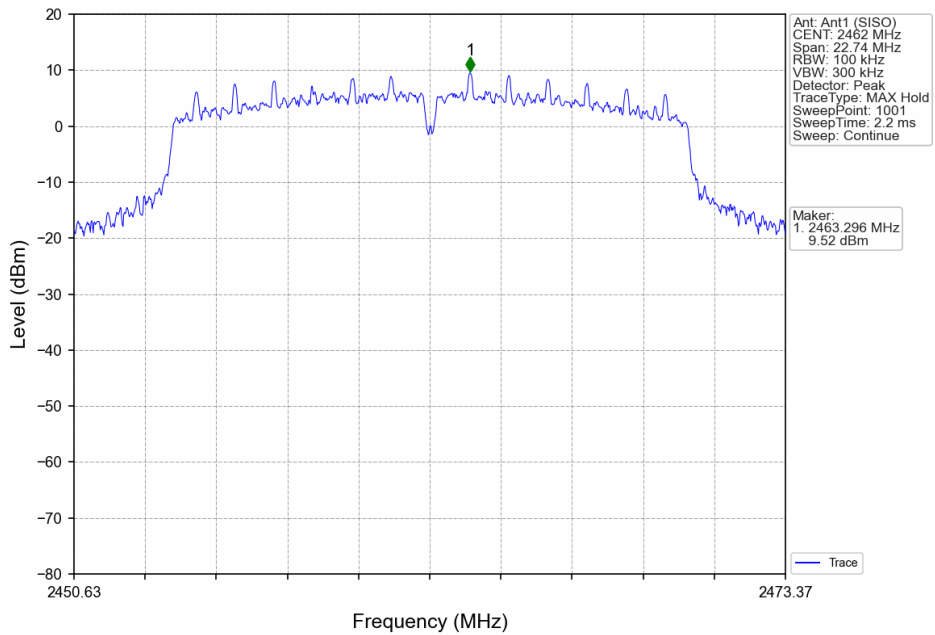
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



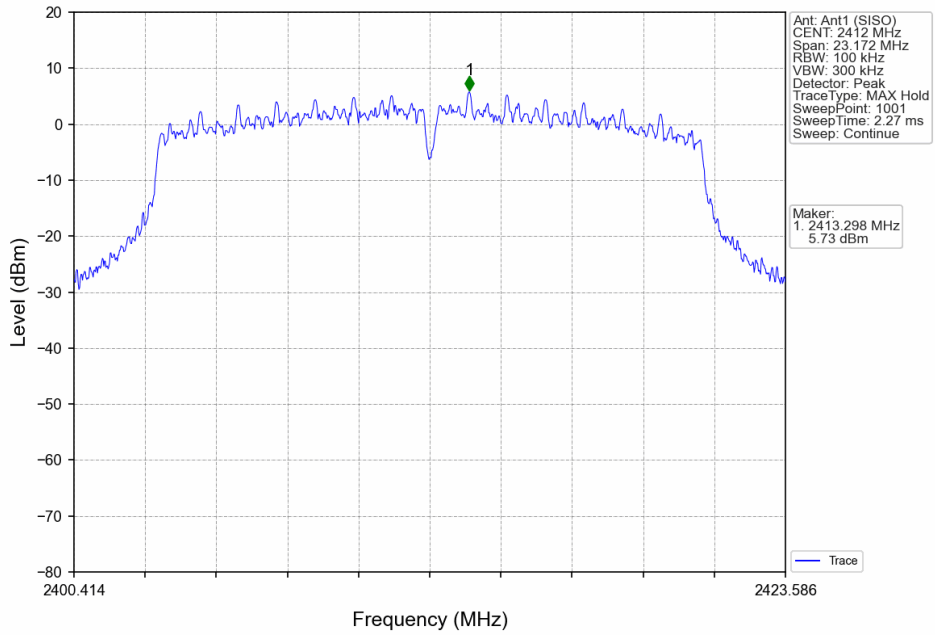
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



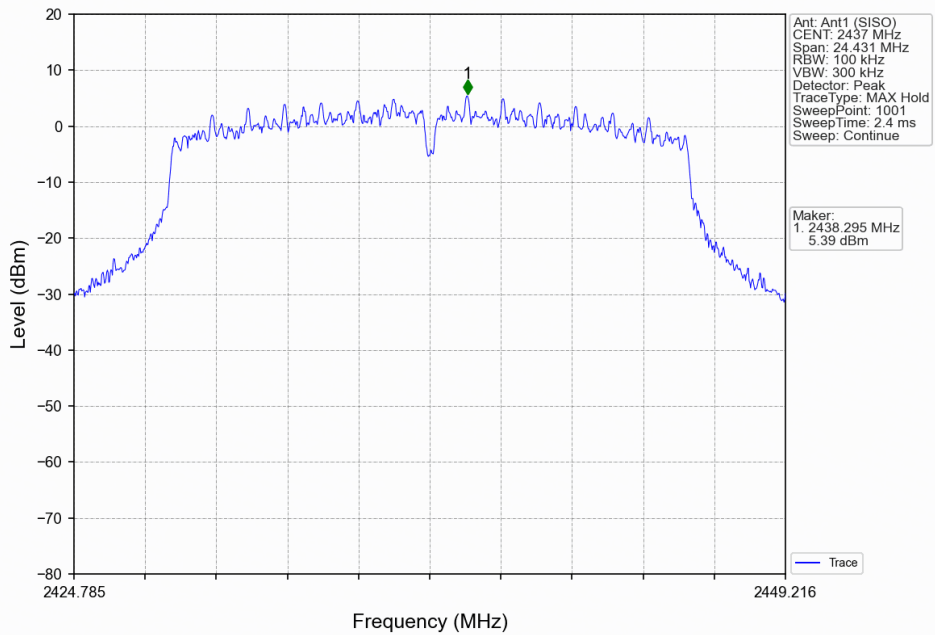
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



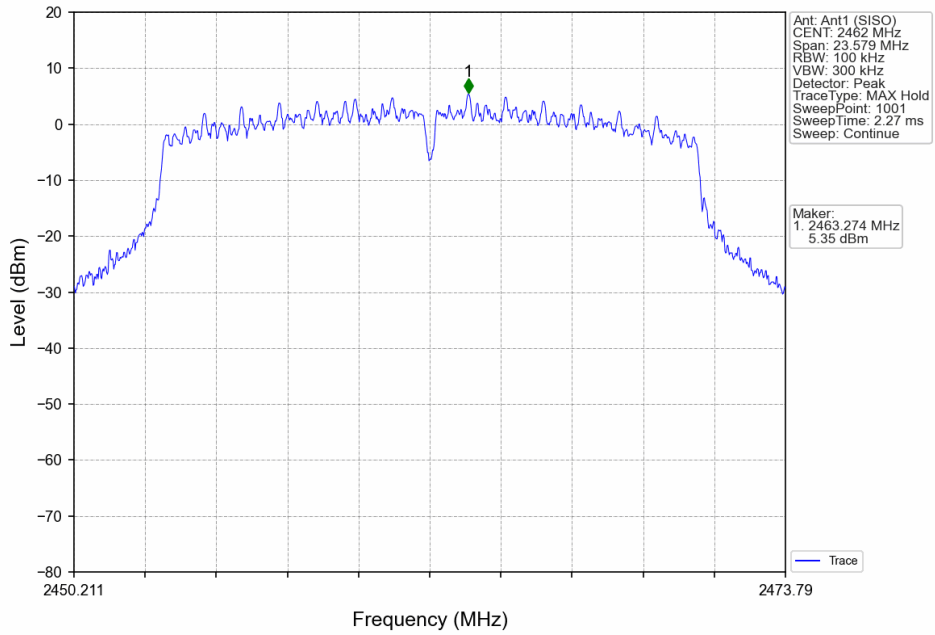
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



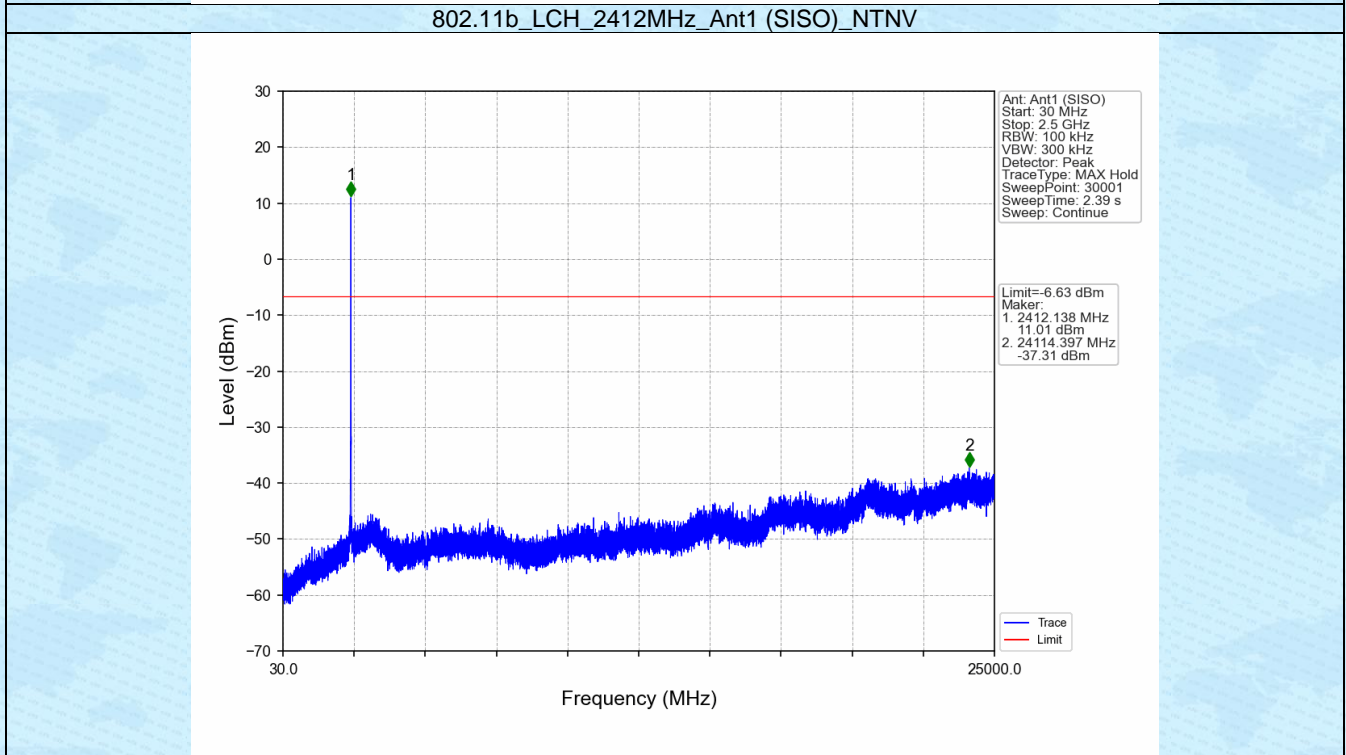
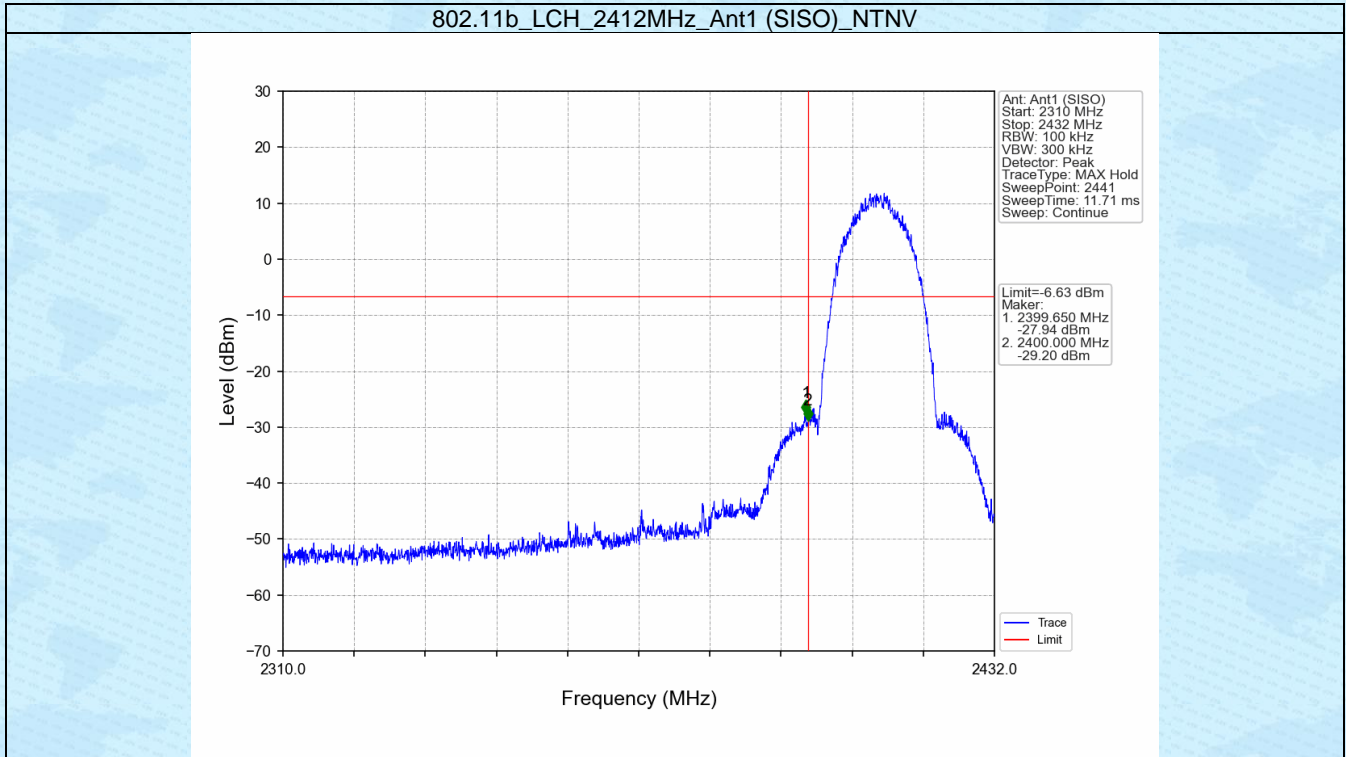
5.2 CSE

5.2.1 Test Result

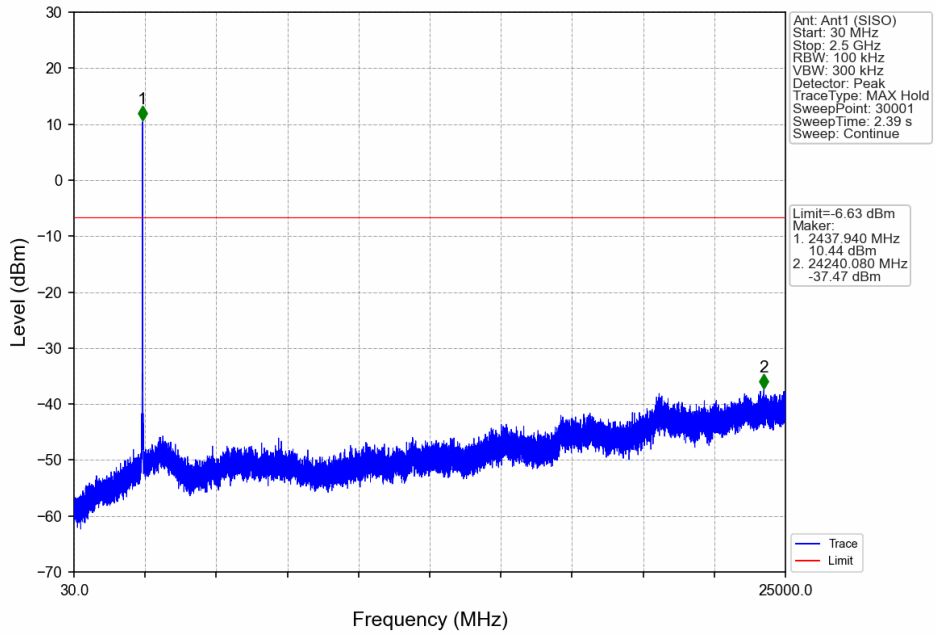
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	13.37	-6.63	Pass
		2437	1	13.37	-6.63	Pass
		2462	1	13.37	-6.63	Pass
802.11g	SISO	2412	1	9.90	-10.10	Pass
		2437	1	9.90	-10.10	Pass
		2462	1	9.90	-10.10	Pass
802.11n (HT20)	SISO	2412	1	5.73	-14.27	Pass
		2437	1	5.73	-14.27	Pass
		2462	1	5.73	-14.27	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.

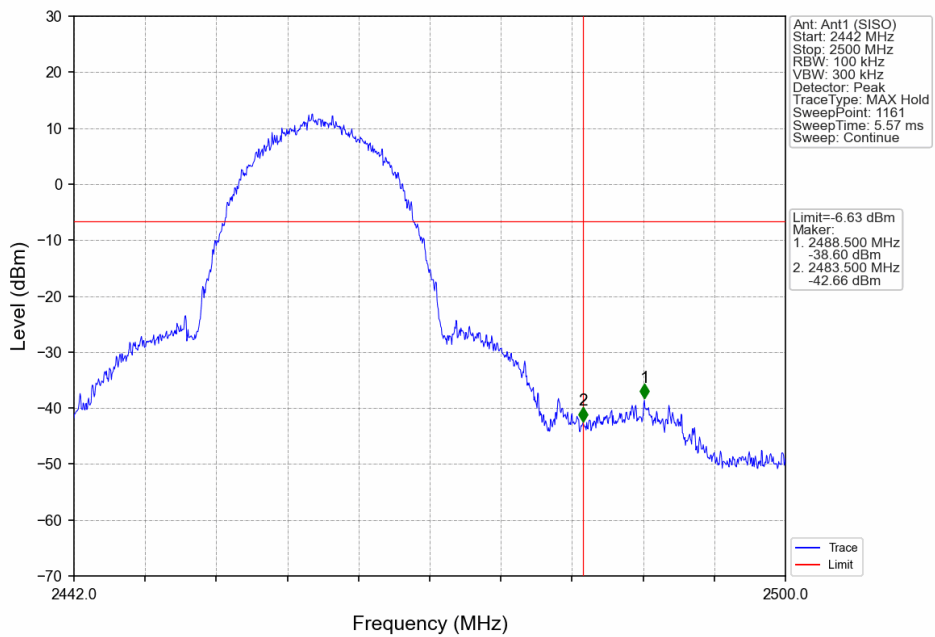
5.2.2 Test Graph



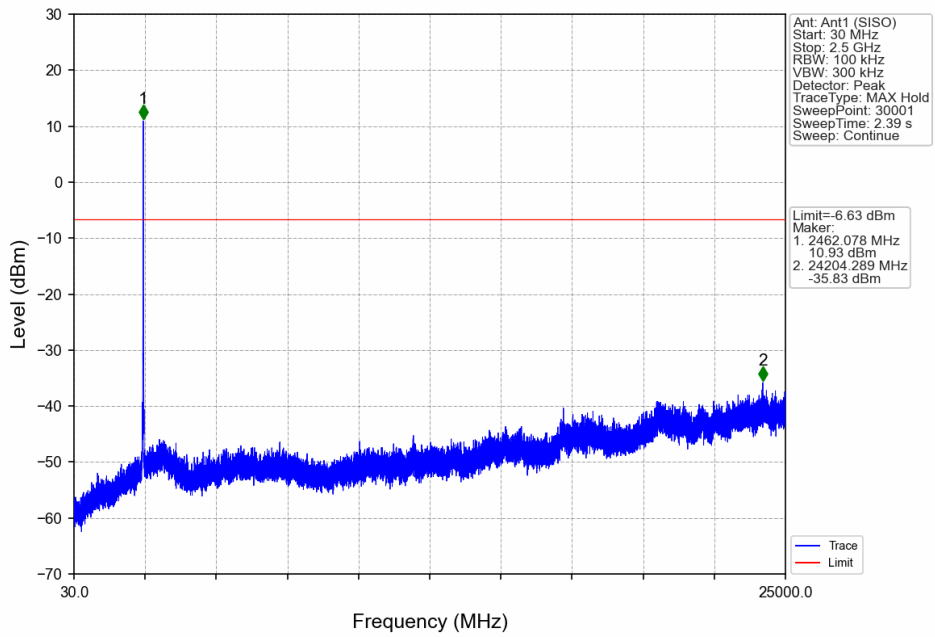
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



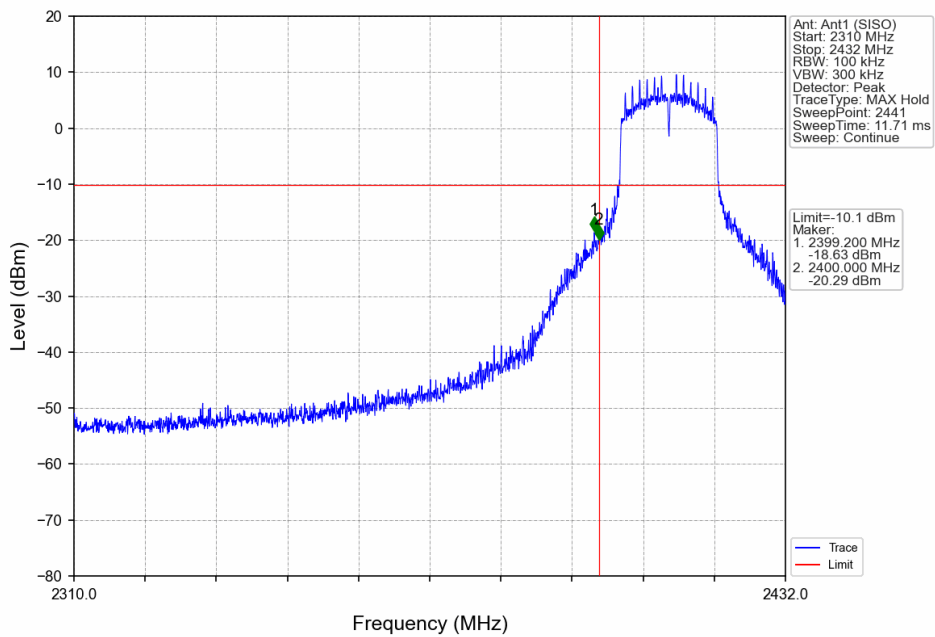
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



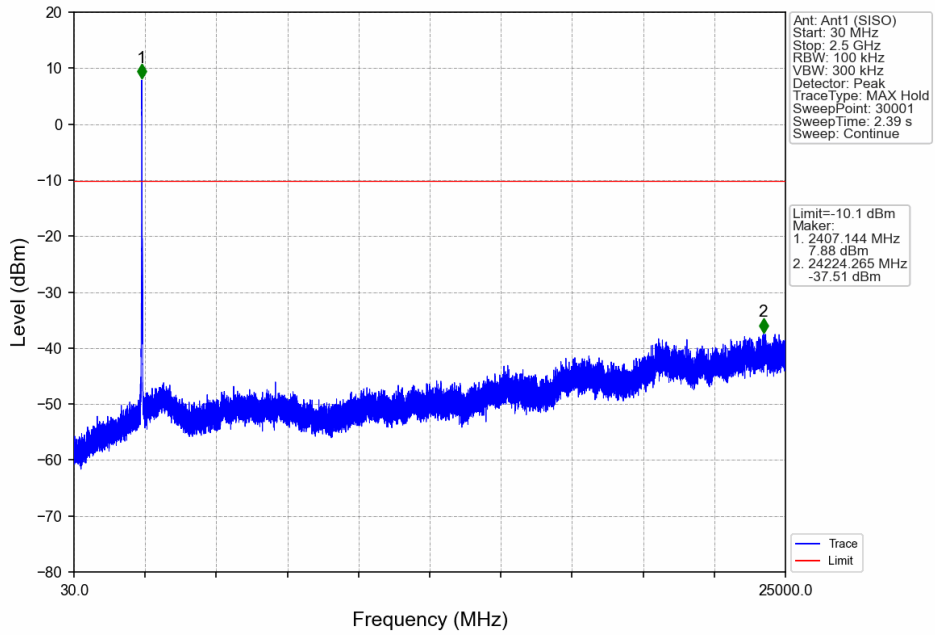
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



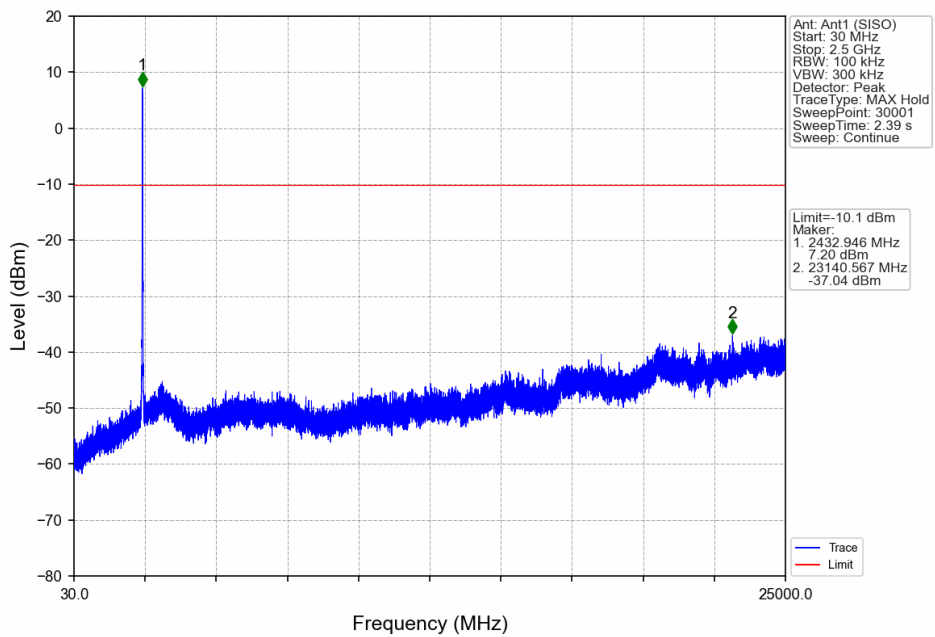
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



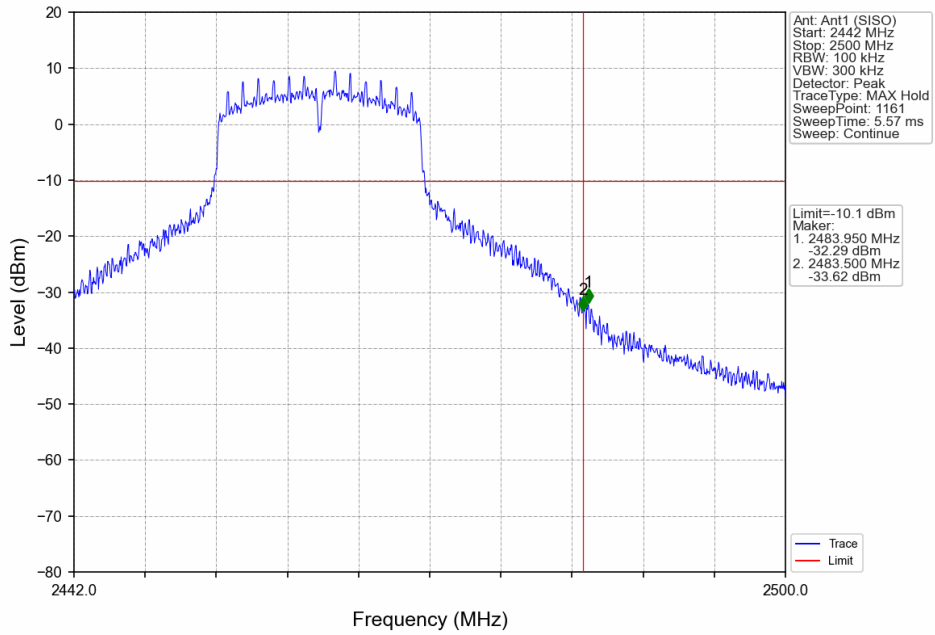
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



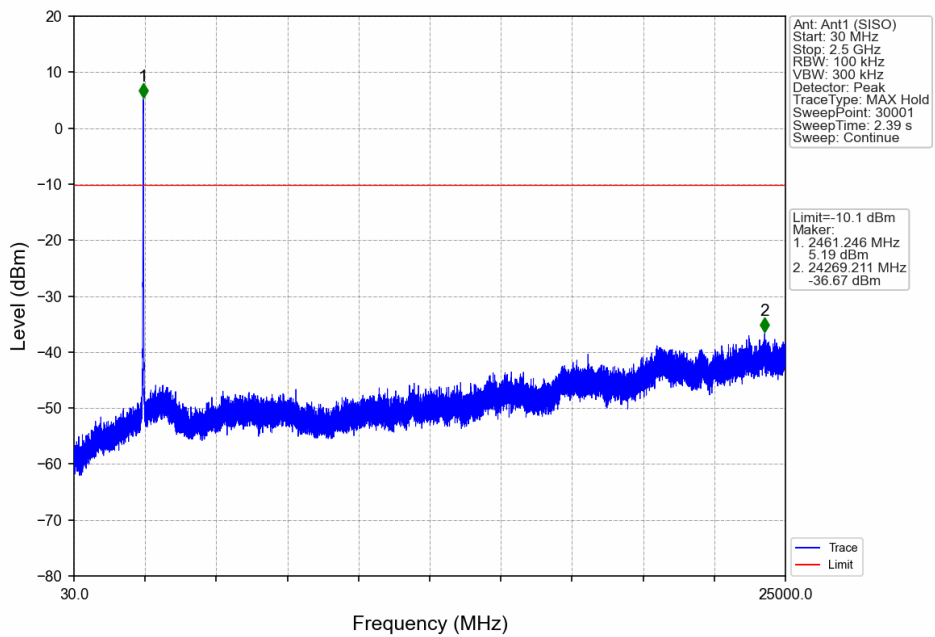
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



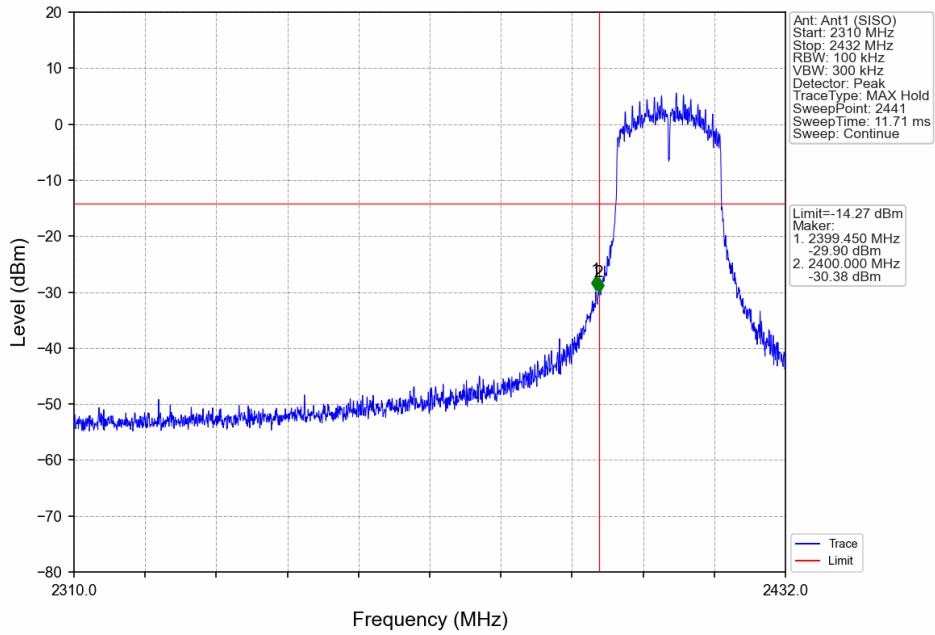
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



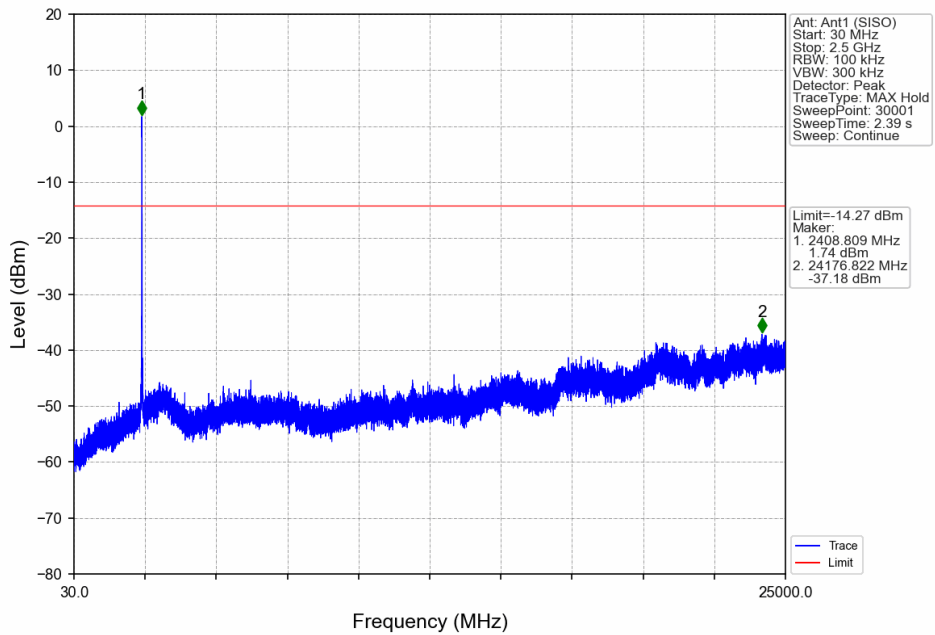
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



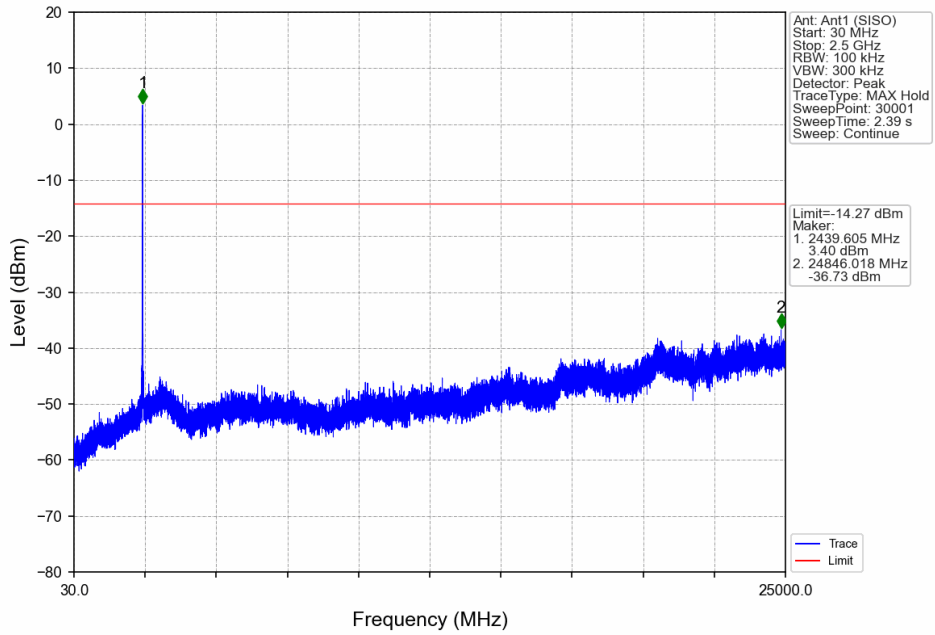
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



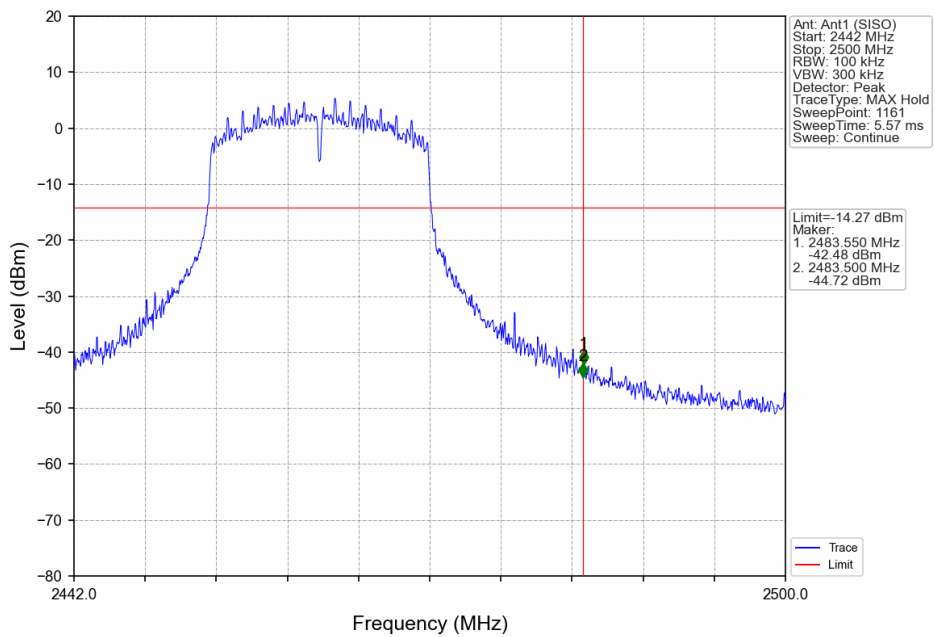
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



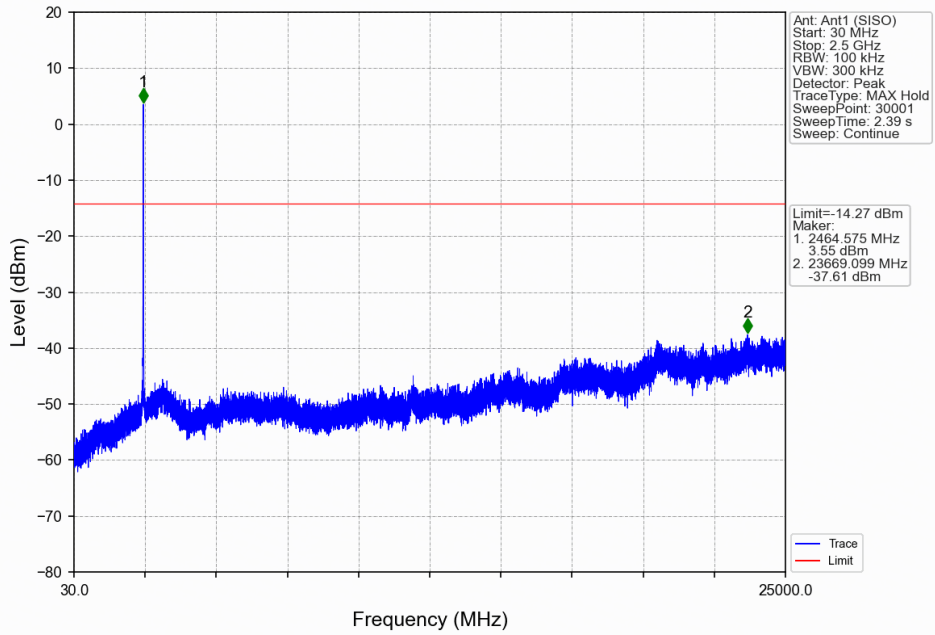
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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