

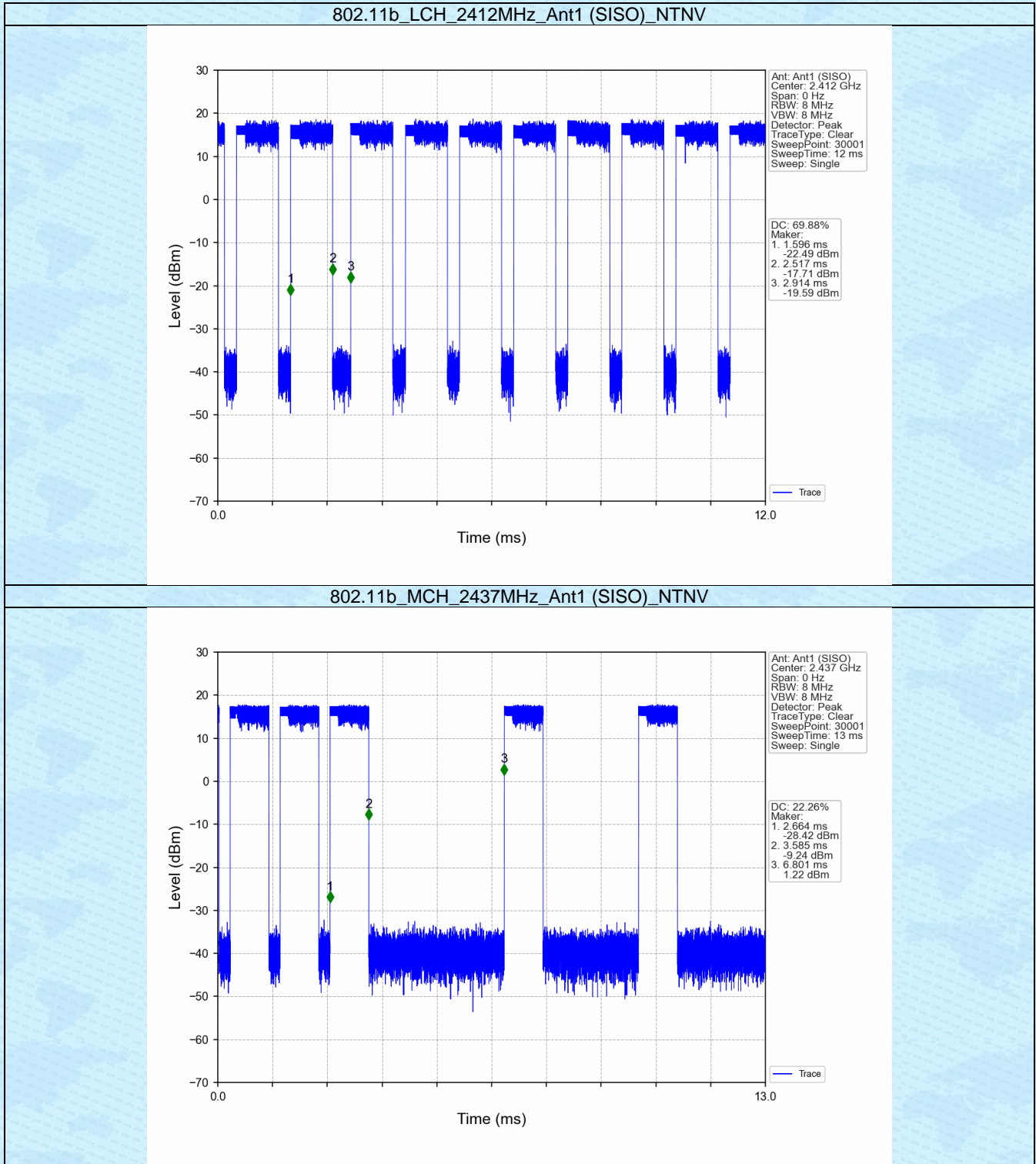
1. Duty Cycle

1.1 Ant1

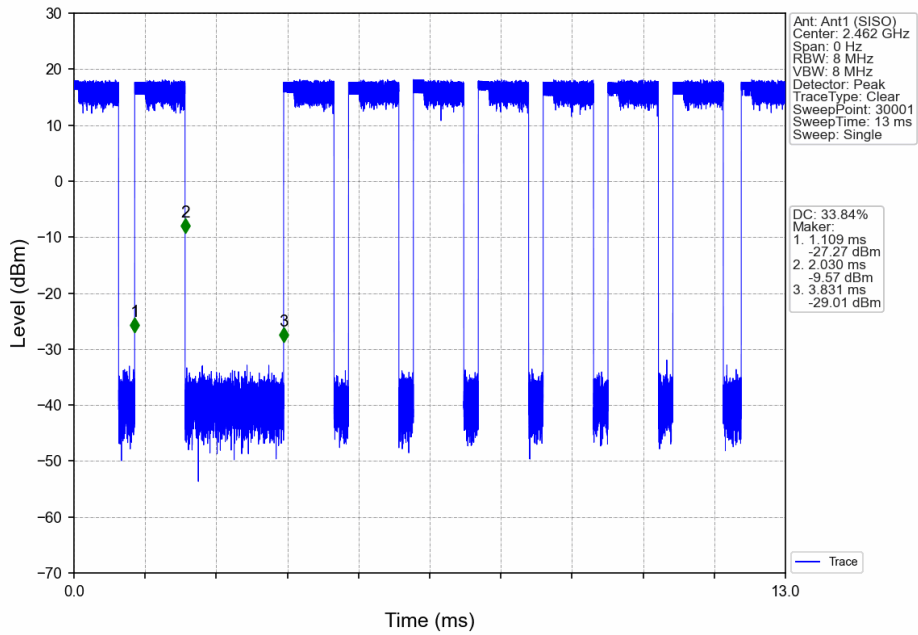
1.1.1 Test Result

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	0.921	1.318	69.88	1.56	7.79
		2437	0.921	4.137	22.26	6.52	55.44
		2462	0.921	2.722	33.84	4.71	43.87
802.11g	SISO	2412	0.630	0.900	70.00	1.55	0.03
		2437	0.628	0.900	69.78	1.56	0.15
		2462	0.630	0.900	70.00	1.55	0.03
802.11n (HT20)	SISO	2412	0.546	0.888	61.49	2.11	5.43
		2437	0.545	0.816	66.79	1.75	0.04
		2462	0.546	0.817	66.83	1.75	0.04

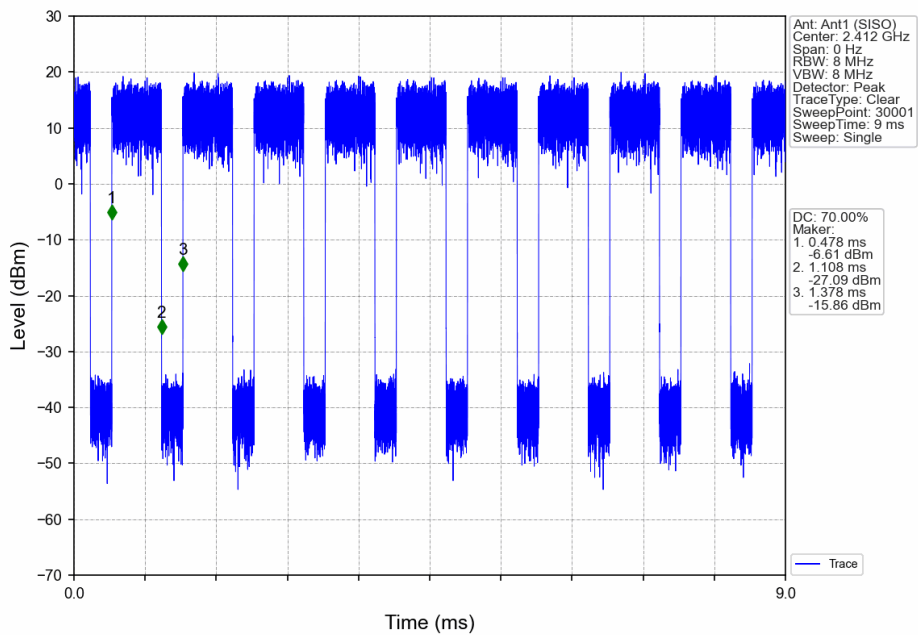
1.1.2 Test Graph



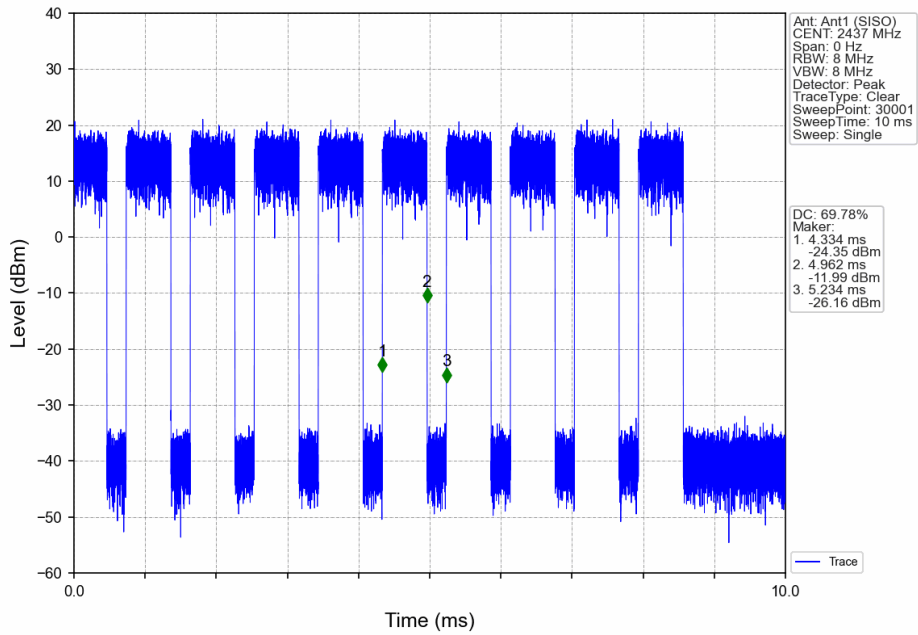
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



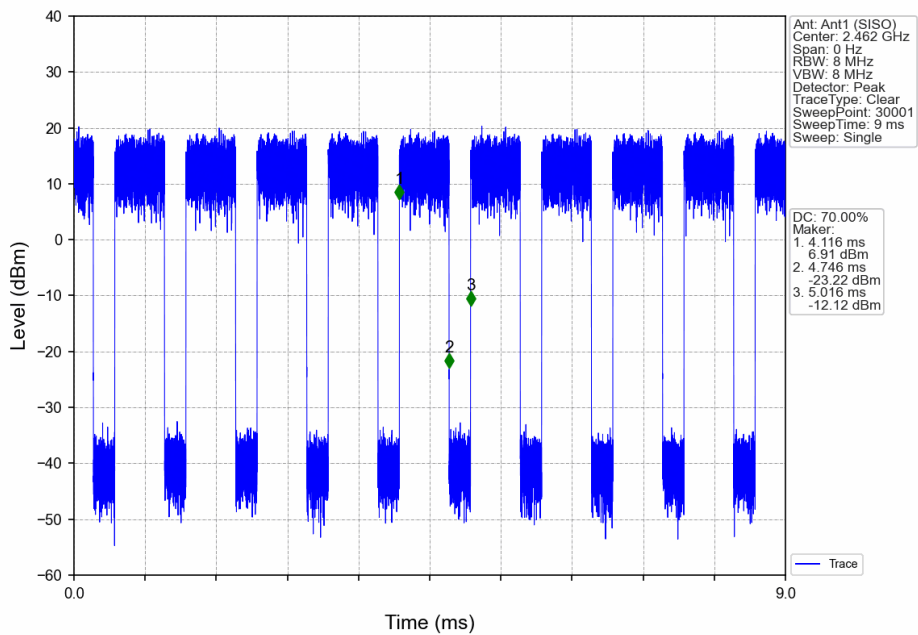
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



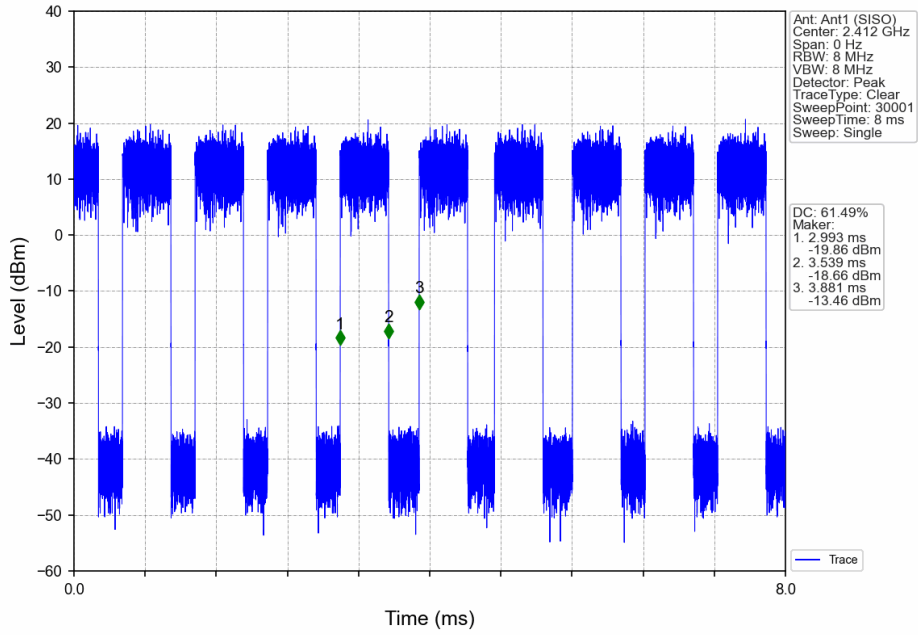
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



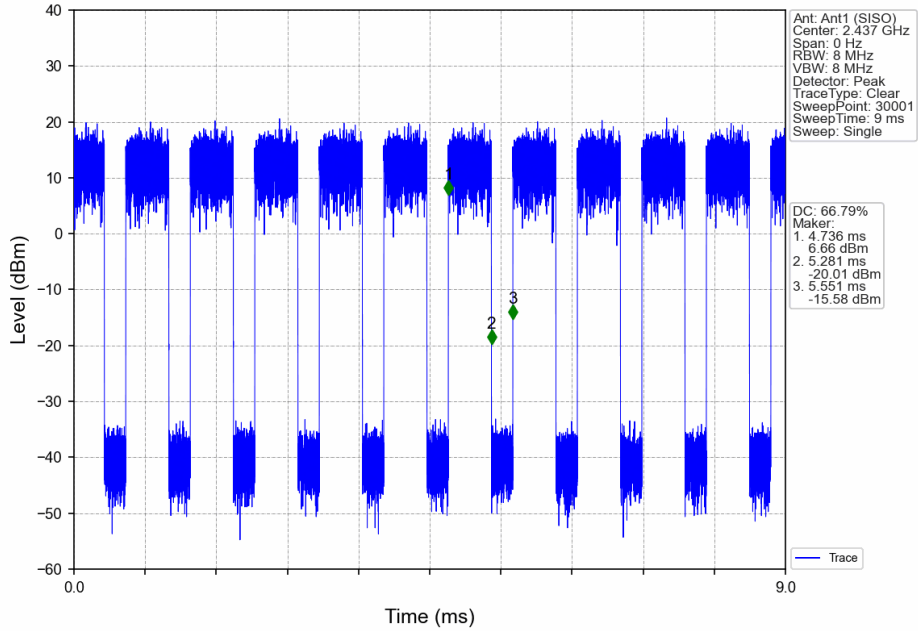
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



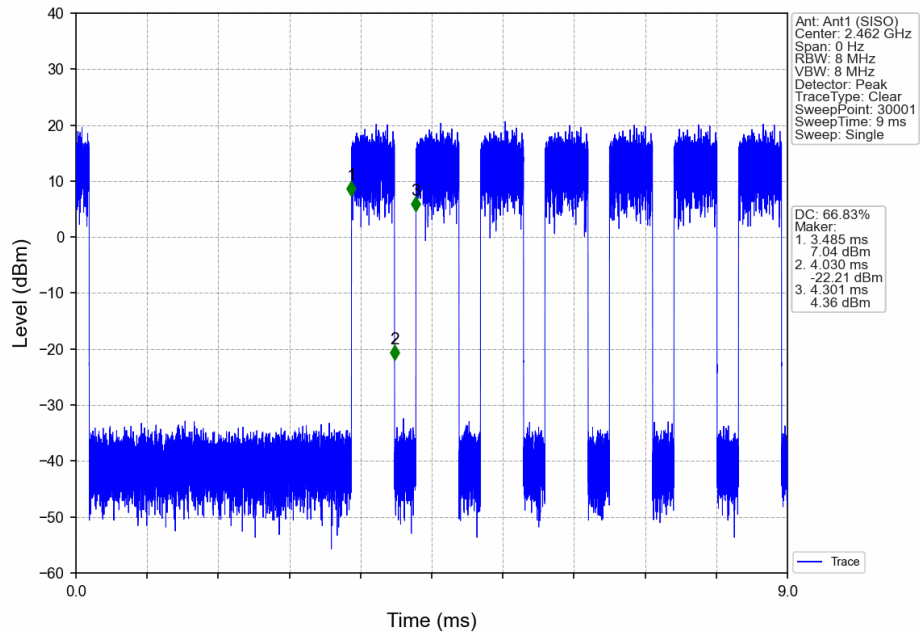
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



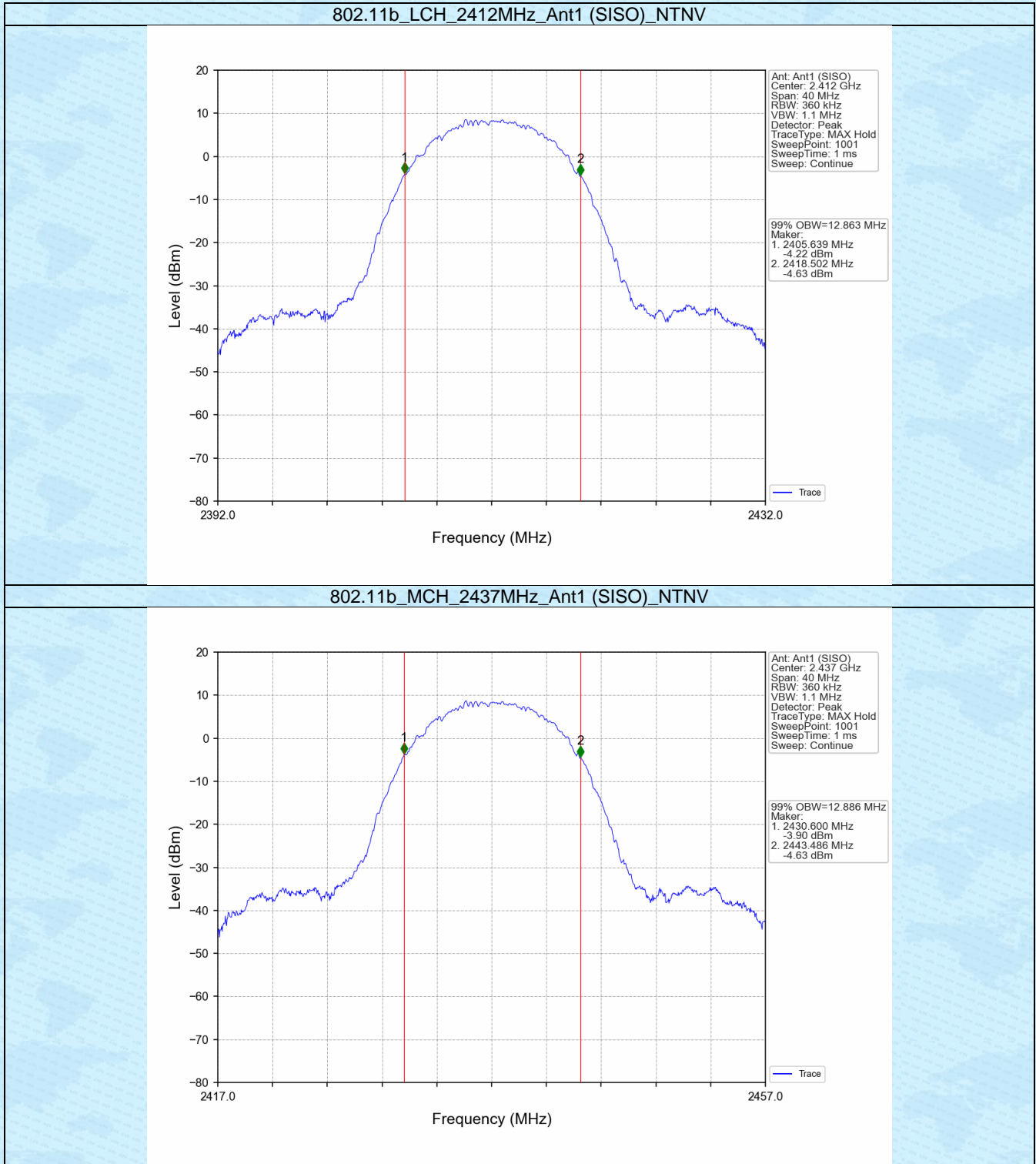
2. Bandwidth

2.1 OBW

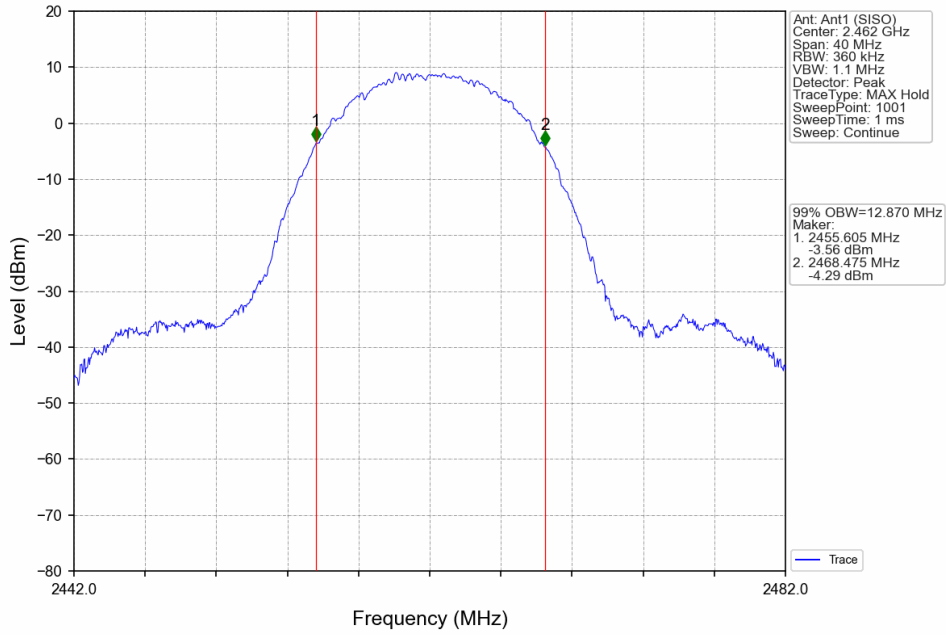
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	12.863	Pass
		2437	1	12.886	Pass
		2462	1	12.870	Pass
802.11g	SISO	2412	1	17.167	Pass
		2437	1	17.456	Pass
		2462	1	17.137	Pass
802.11n (HT20)	SISO	2412	1	18.264	Pass
		2437	1	18.283	Pass
		2462	1	18.276	Pass

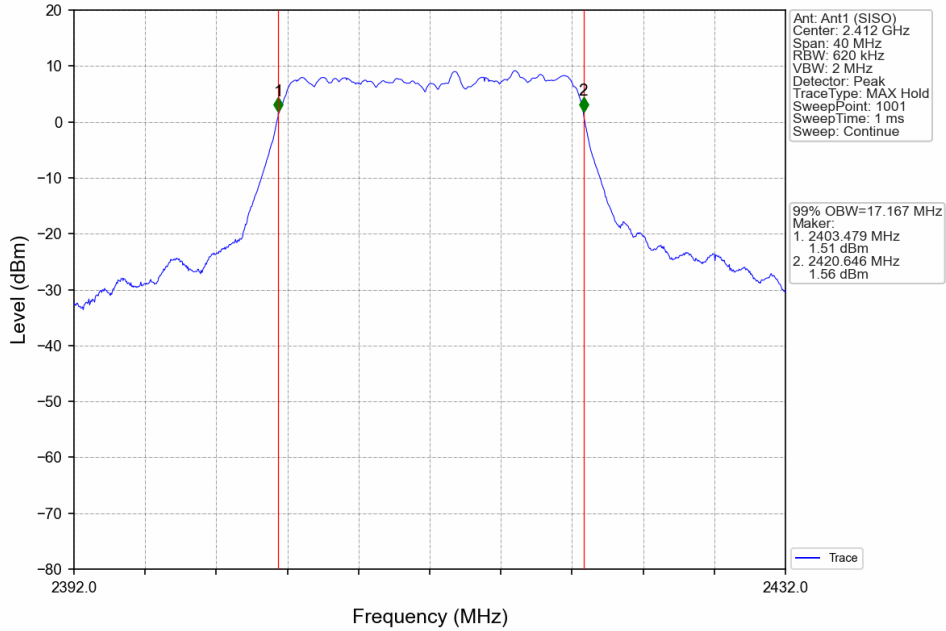
2.1.2 Test Graph



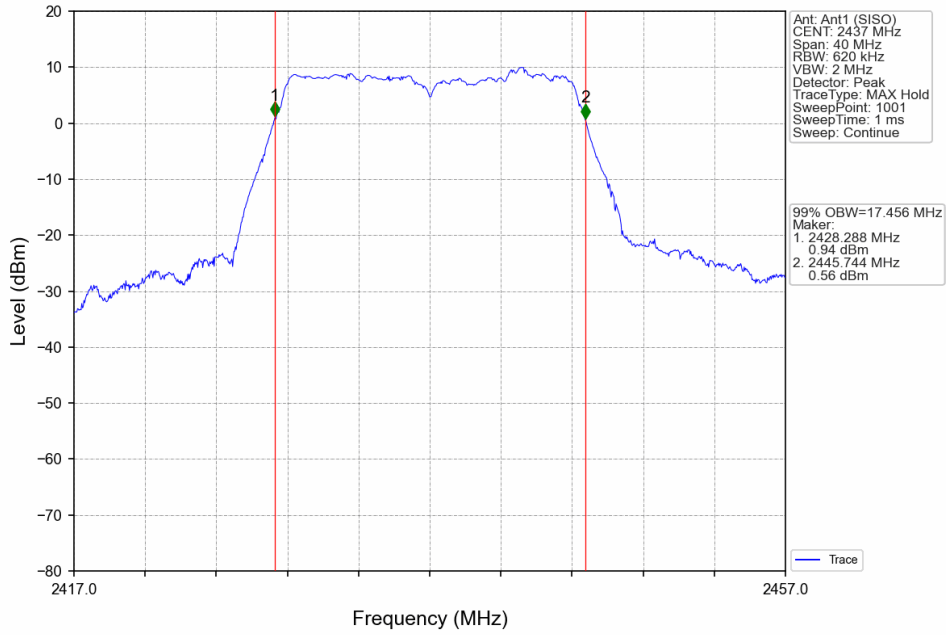
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



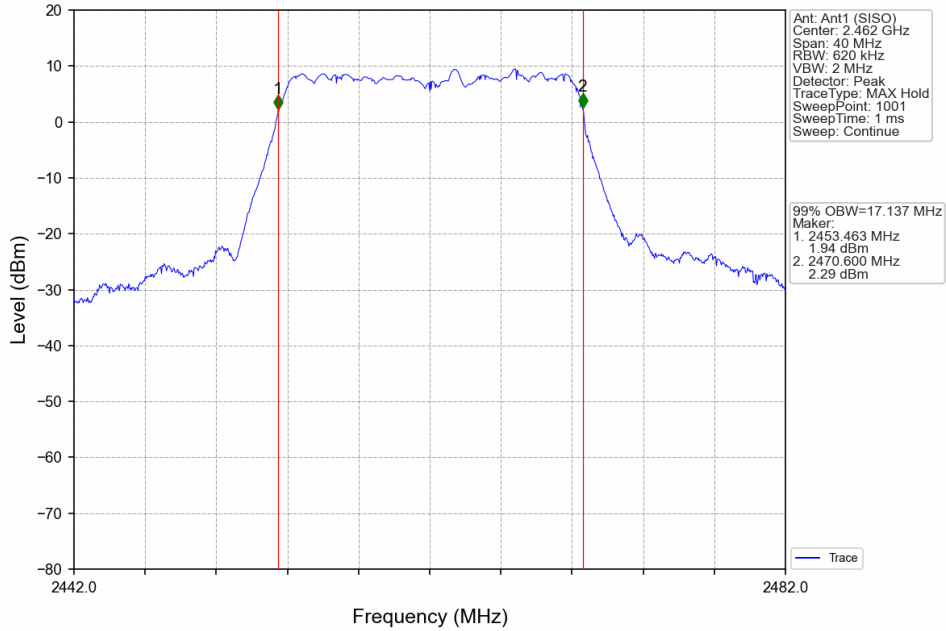
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



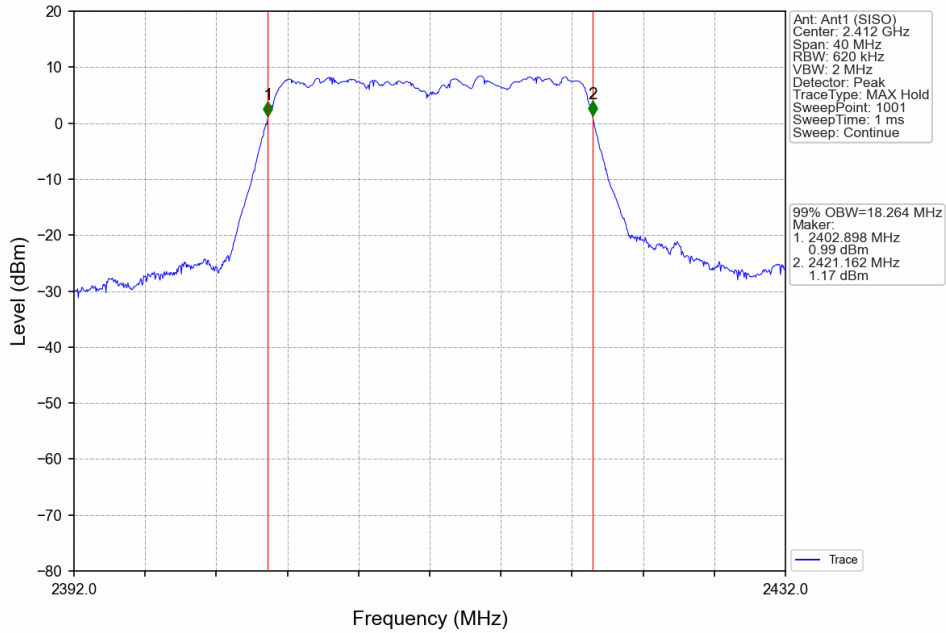
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



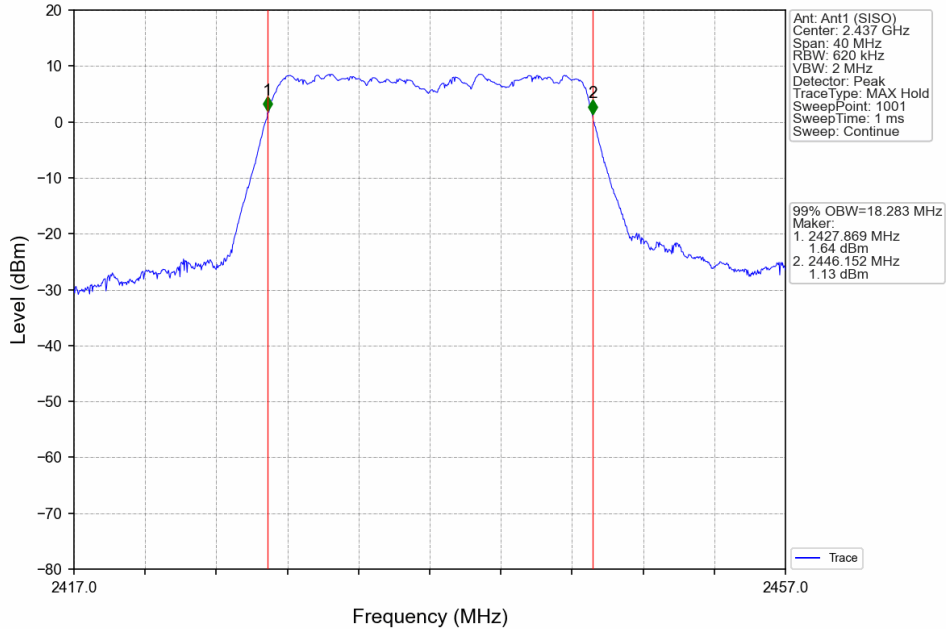
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



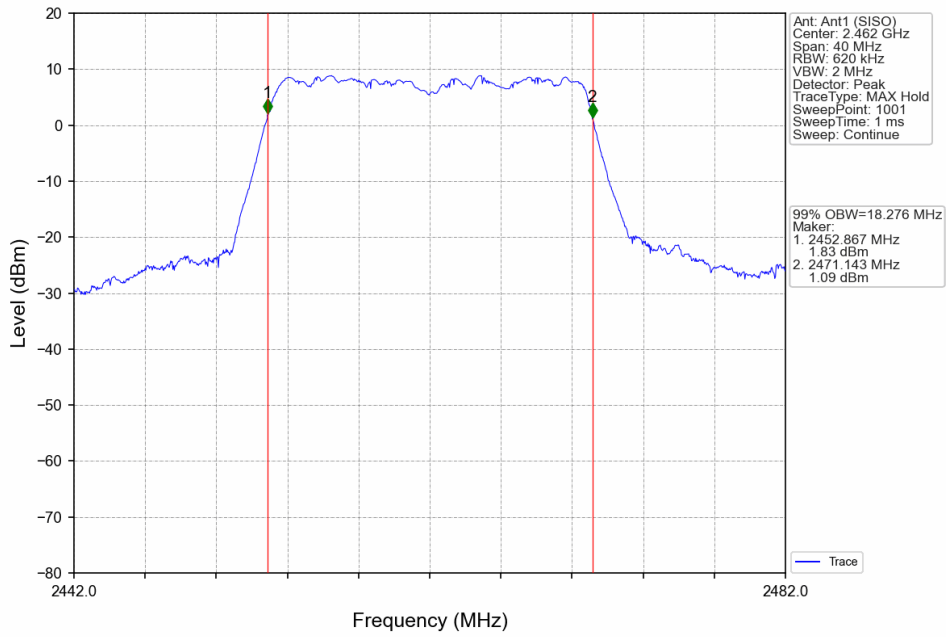
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

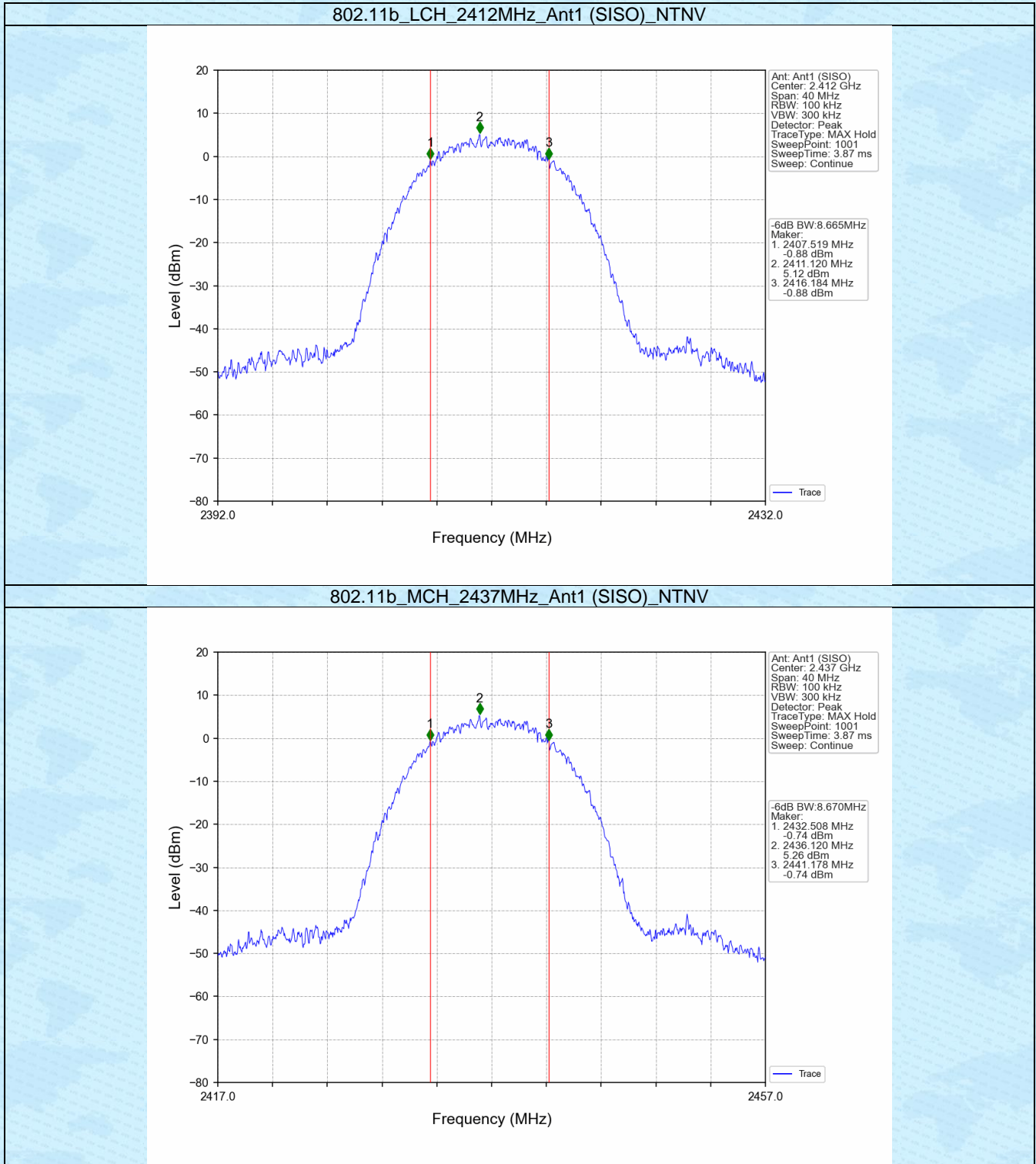


2.2 6dB BW

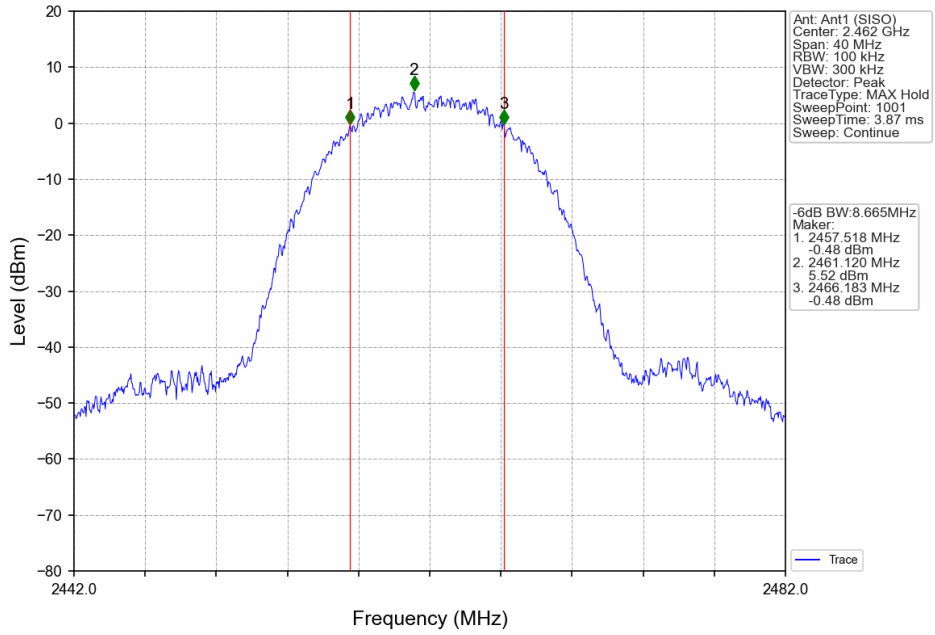
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.665	≥ 0.5	Pass
		2437	1	8.670	≥ 0.5	Pass
		2462	1	8.665	≥ 0.5	Pass
802.11g	SISO	2412	1	16.512	≥ 0.5	Pass
		2437	1	16.521	≥ 0.5	Pass
		2462	1	16.496	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.730	≥ 0.5	Pass
		2437	1	17.723	≥ 0.5	Pass
		2462	1	17.724	≥ 0.5	Pass

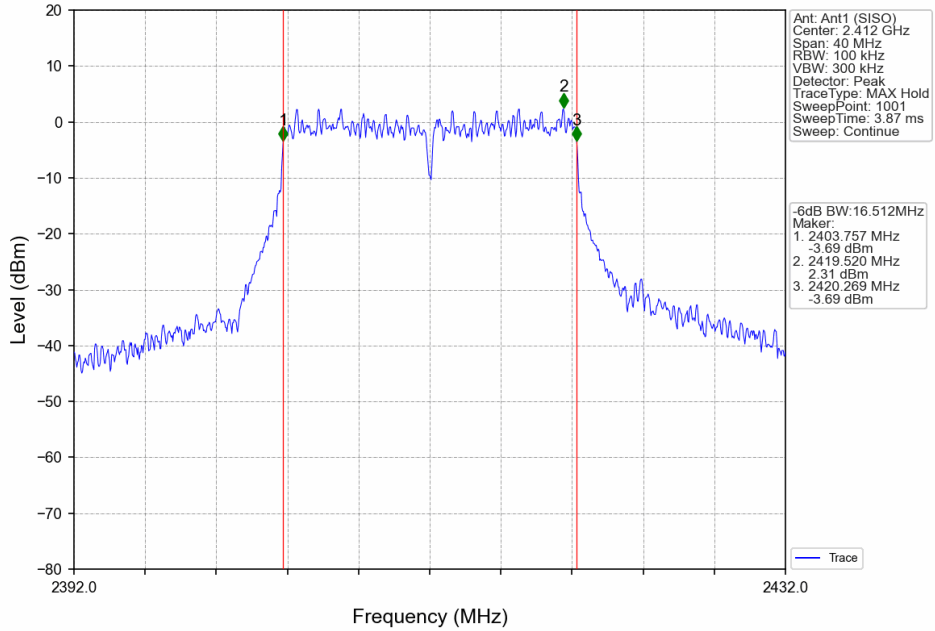
2.2.2 Test Graph



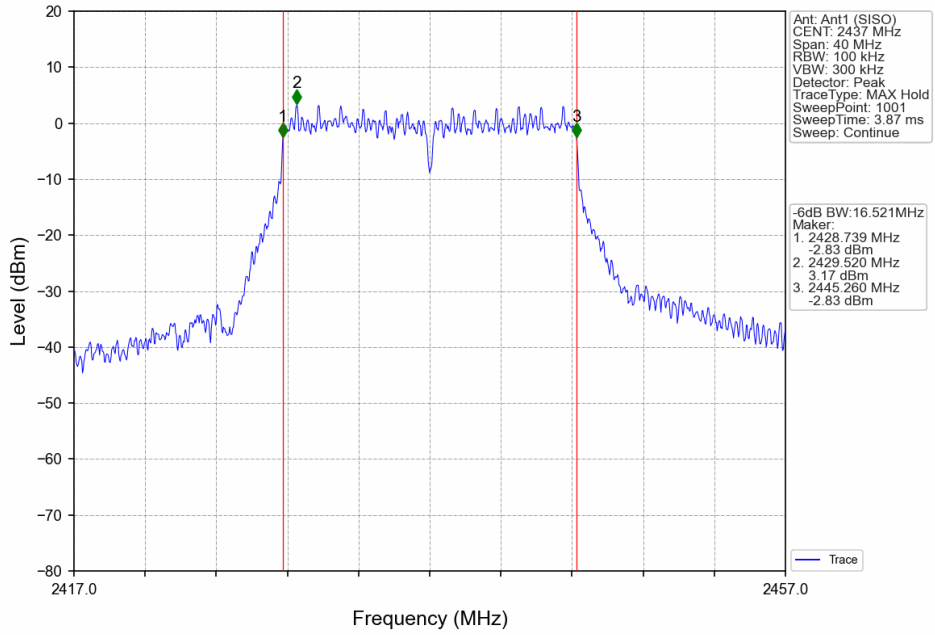
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



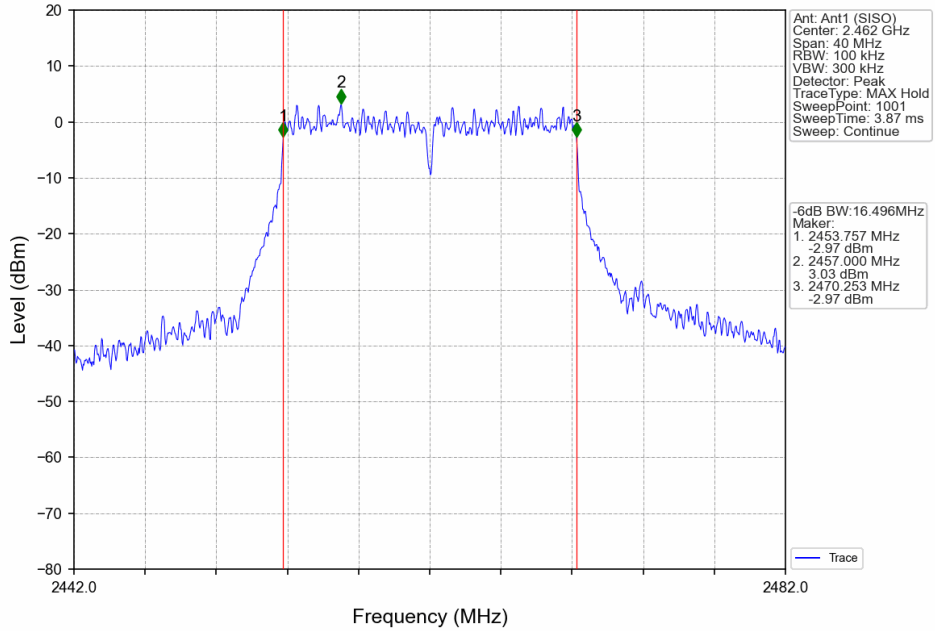
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



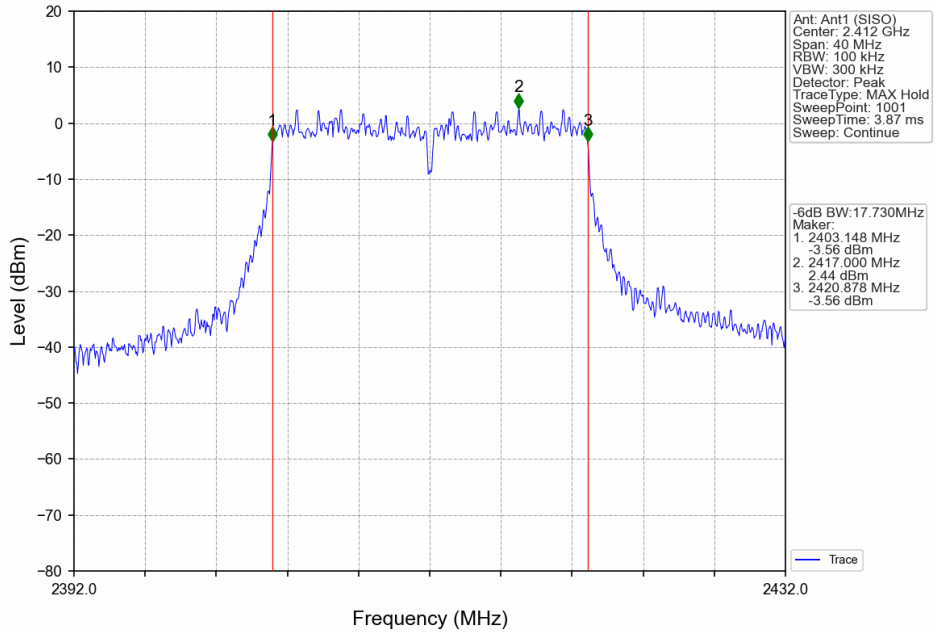
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



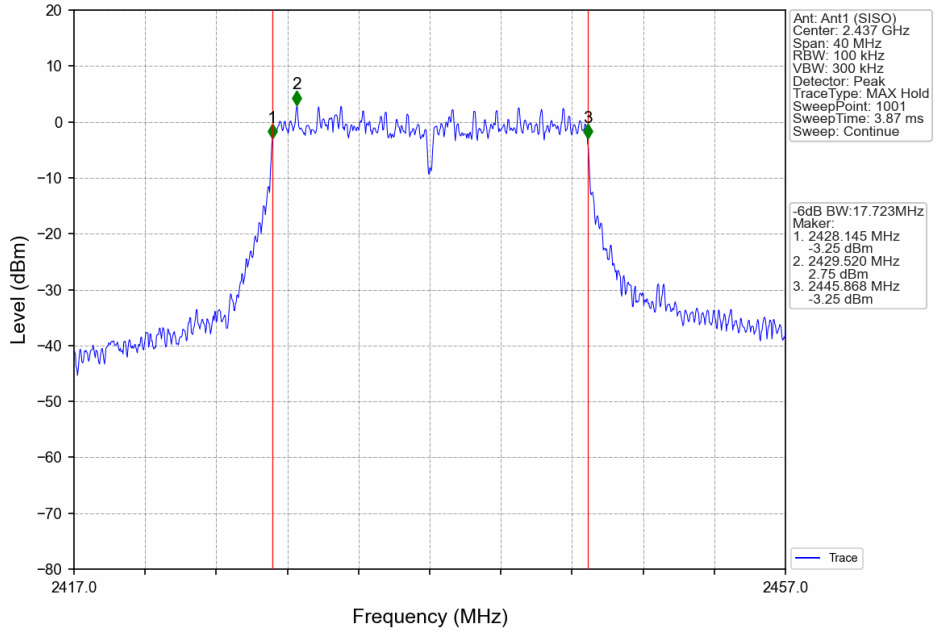
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



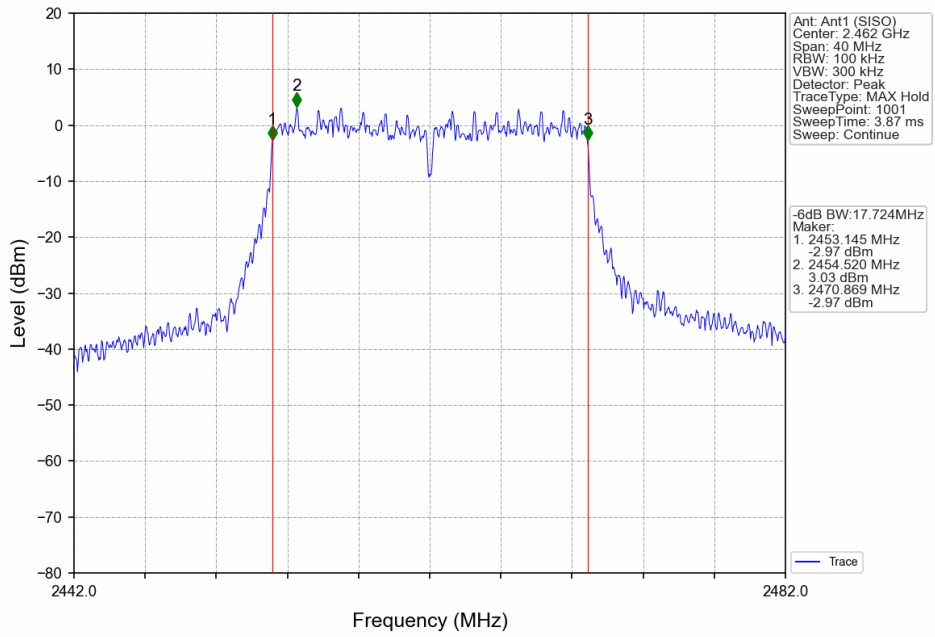
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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	19.36	<=30	Pass
		2437	19.44	<=30	Pass
		2462	19.78	<=30	Pass
802.11g	SISO	2412	21.79	<=30	Pass
		2437	22.30	<=30	Pass
		2462	22.19	<=30	Pass
802.11n (HT20)	SISO	2412	21.92	<=30	Pass
		2437	22.03	<=30	Pass
		2462	22.32	<=30	Pass

Note1: Antenna Gain: Ant1: 1.88dBi;

4. Maximum Power Spectral Density

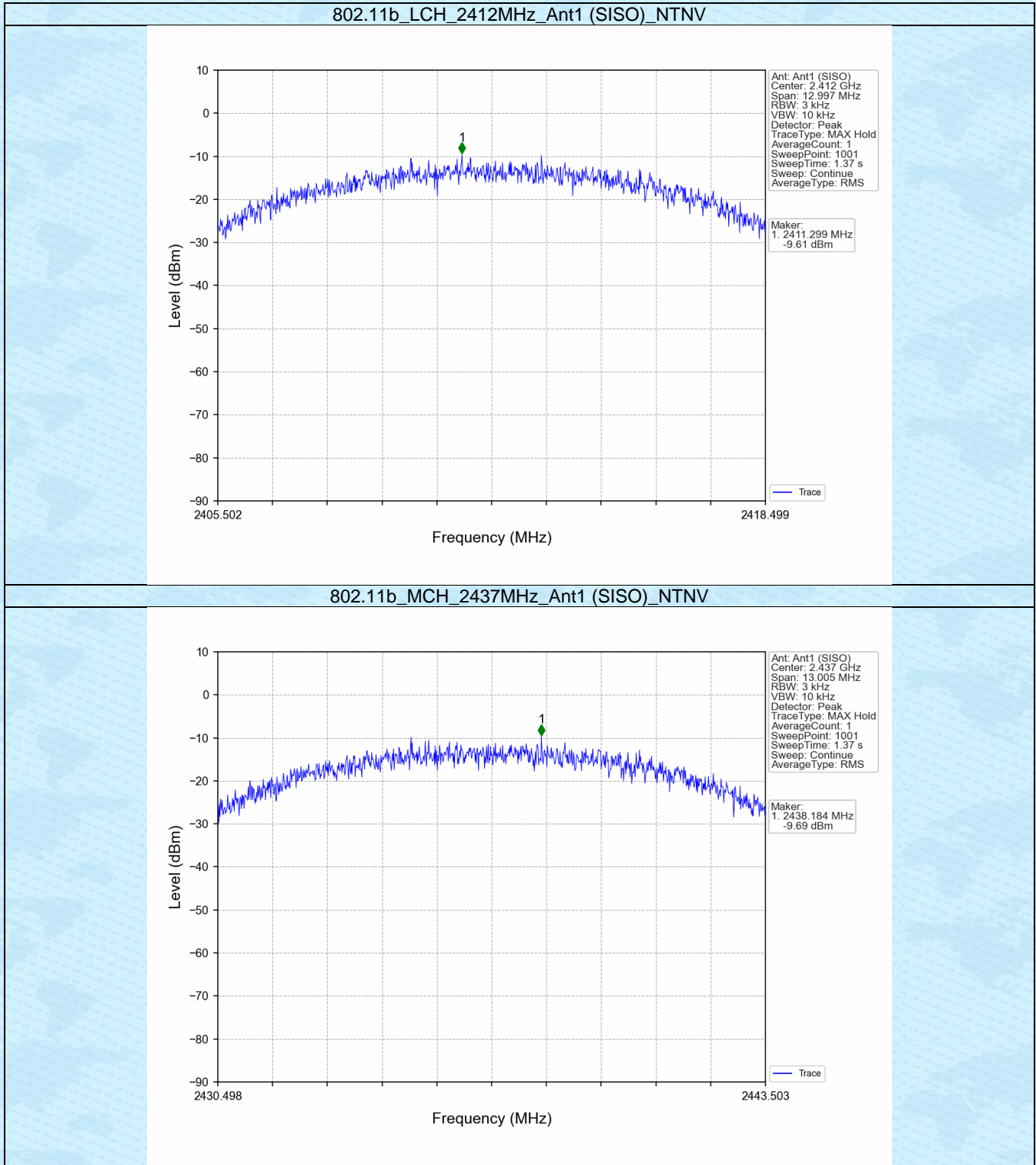
4.1 PSD

4.1.1 Test Result

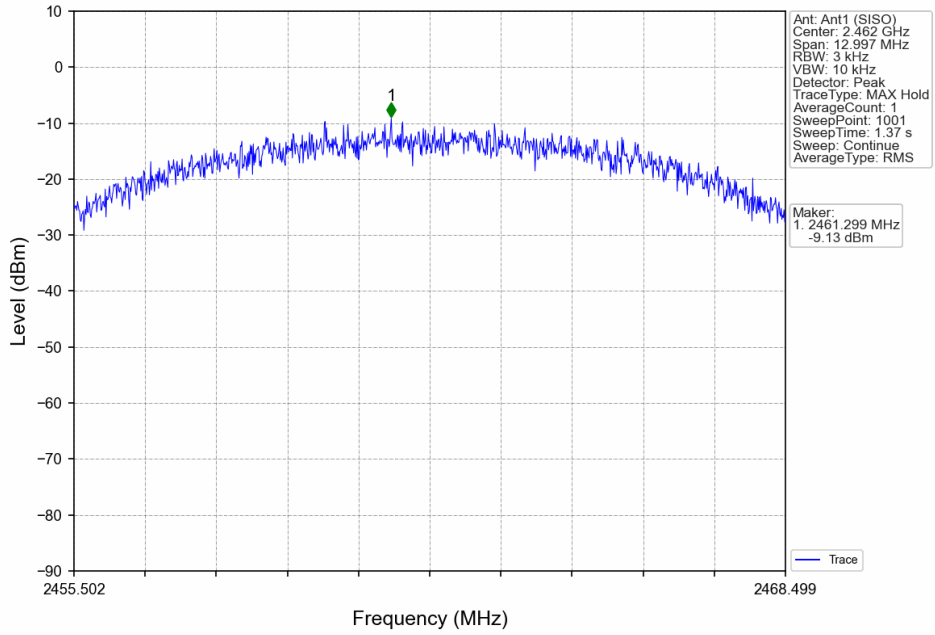
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-9.61	<=8	Pass
		2437	-9.69	<=8	Pass
		2462	-9.13	<=8	Pass
802.11g	SISO	2412	-11.66	<=8	Pass
		2437	-11.08	<=8	Pass
		2462	-11.31	<=8	Pass
802.11n (HT20)	SISO	2412	-11.76	<=8	Pass
		2437	-11.69	<=8	Pass
		2462	-11.39	<=8	Pass

Note1: Antenna Gain: Ant1: 1.88dBi;

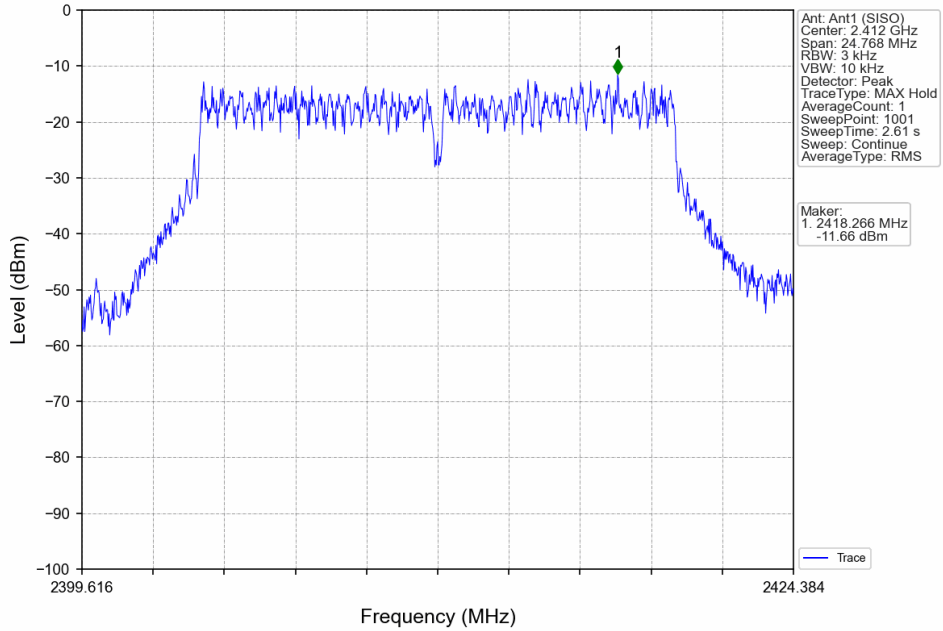
4.1.2 Test Graph



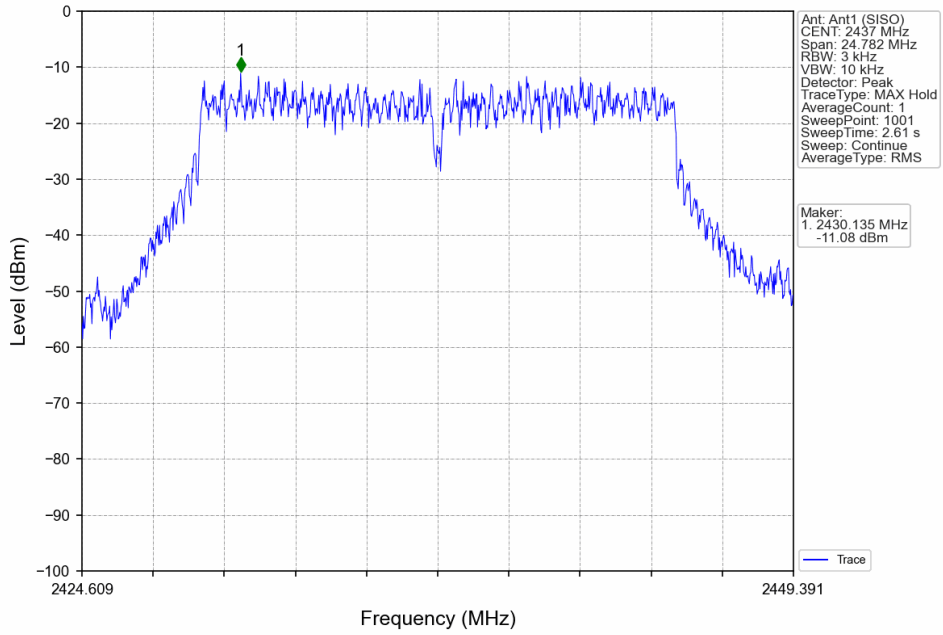
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



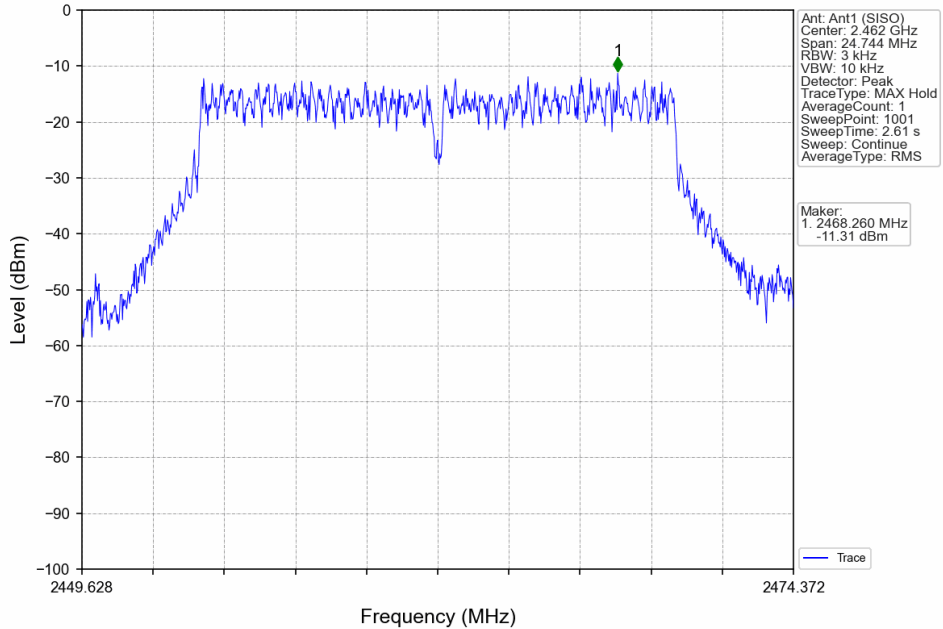
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



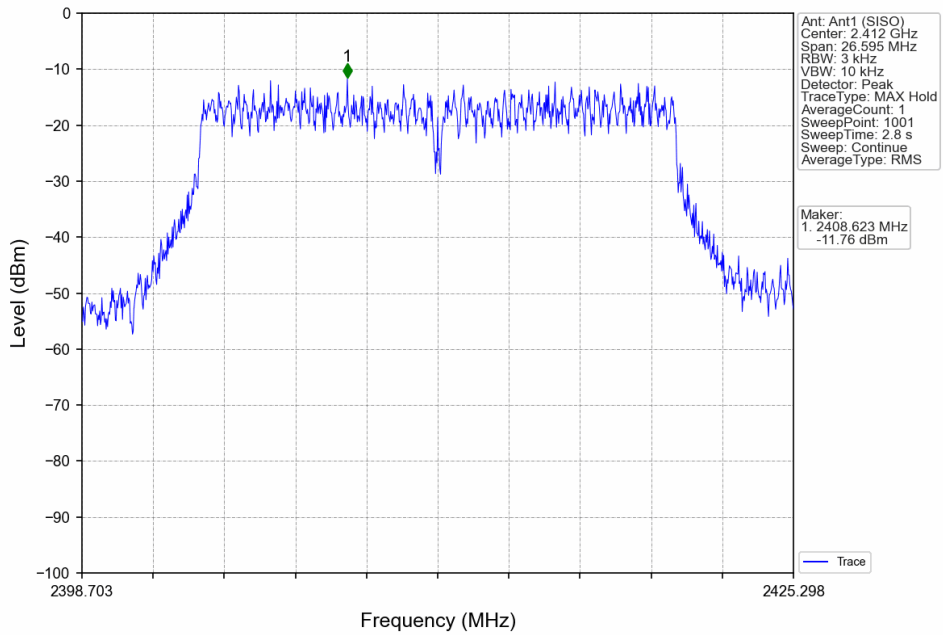
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



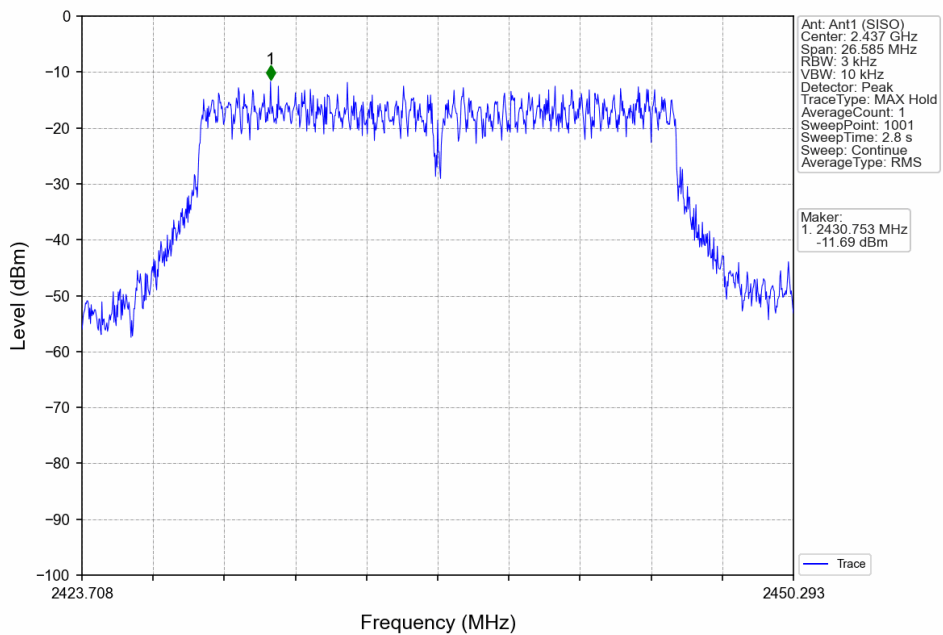
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



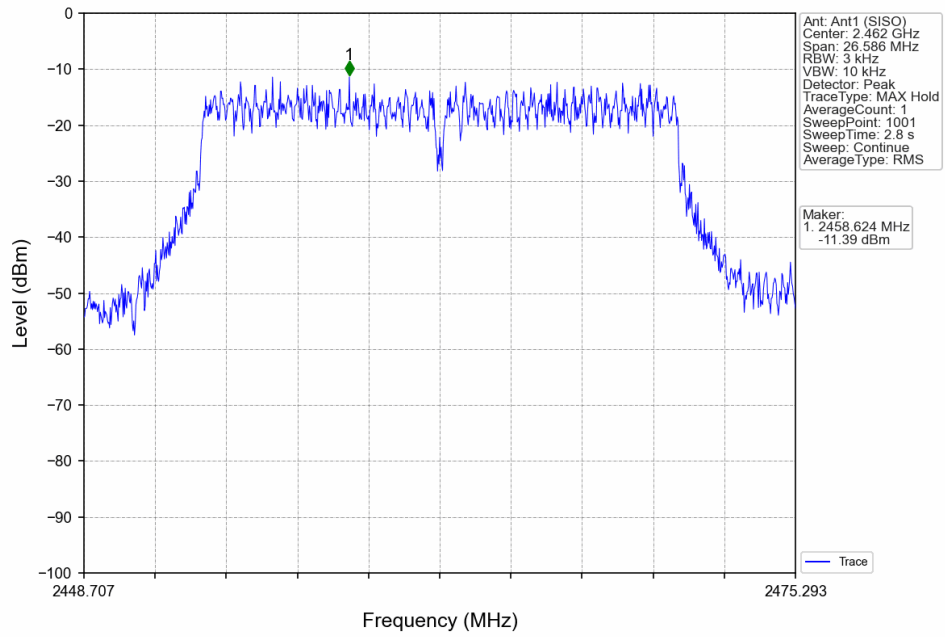
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

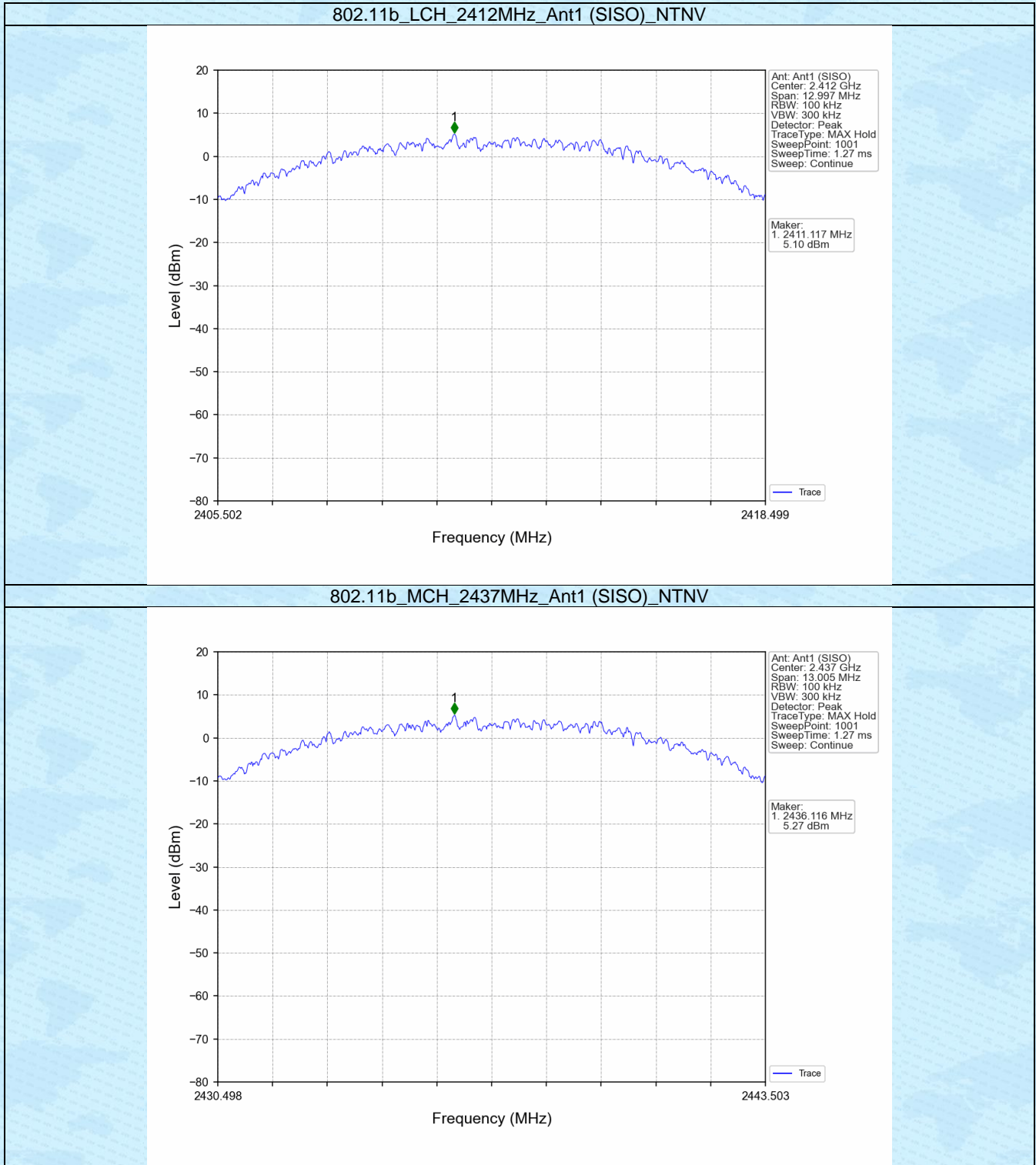
5.1 Ref

5.1.1 Test Result

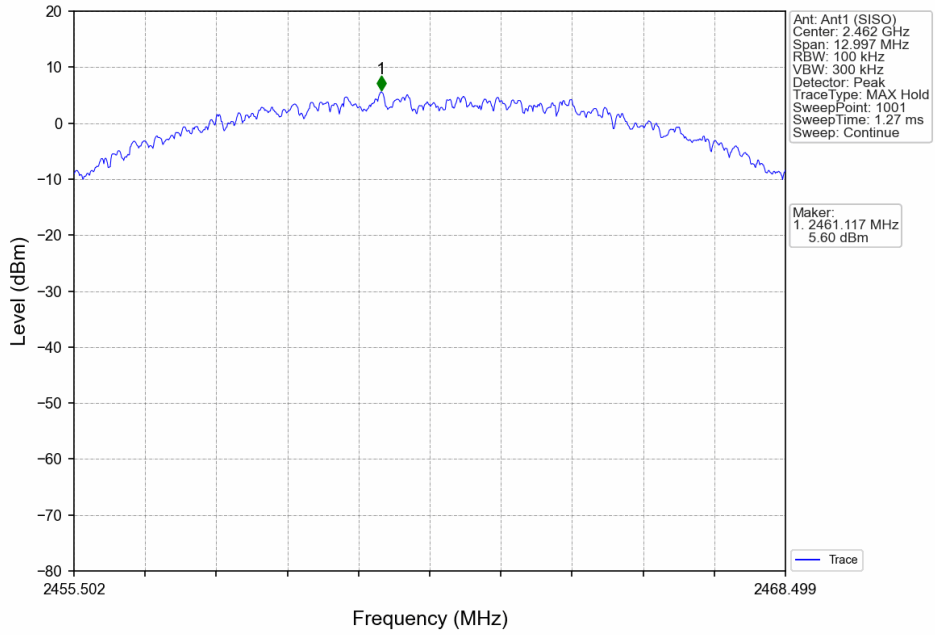
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.10
		2437	1	5.27
		2462	1	5.60
802.11g	SISO	2412	1	2.37
		2437	1	3.25
		2462	1	2.99
802.11n (HT20)	SISO	2412	1	2.52
		2437	1	2.76
		2462	1	3.00

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.

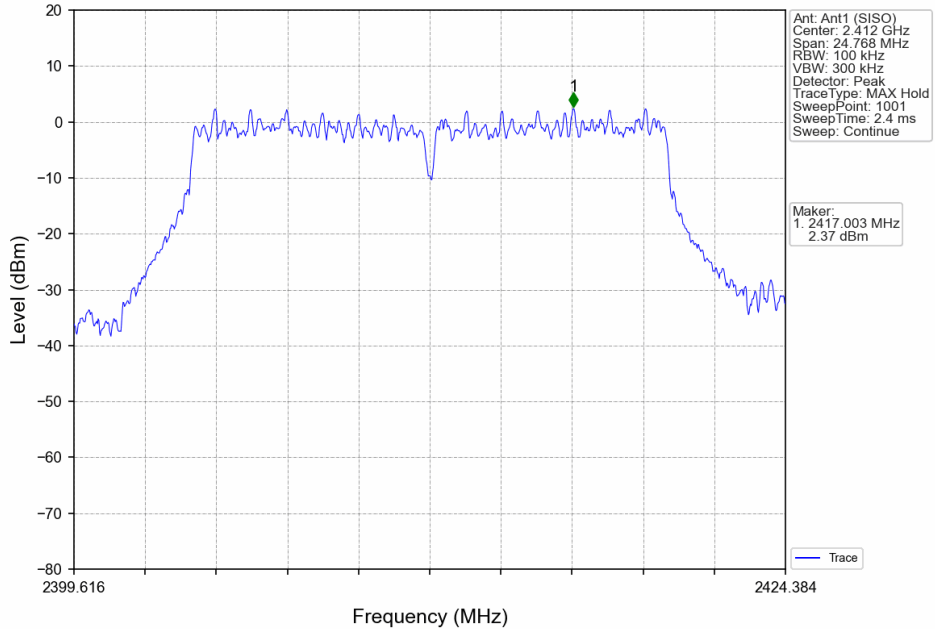
5.1.2 Test Graph



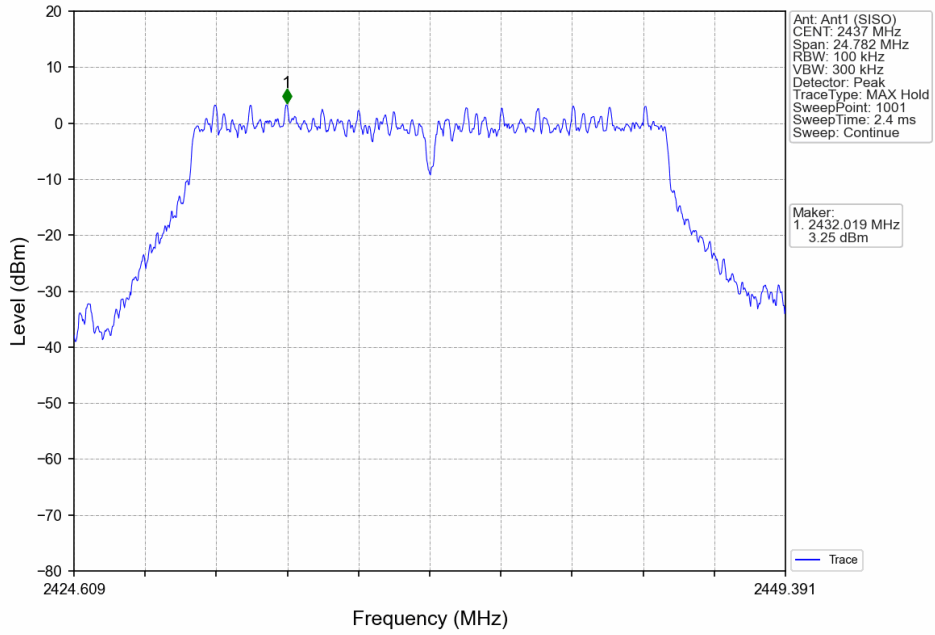
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



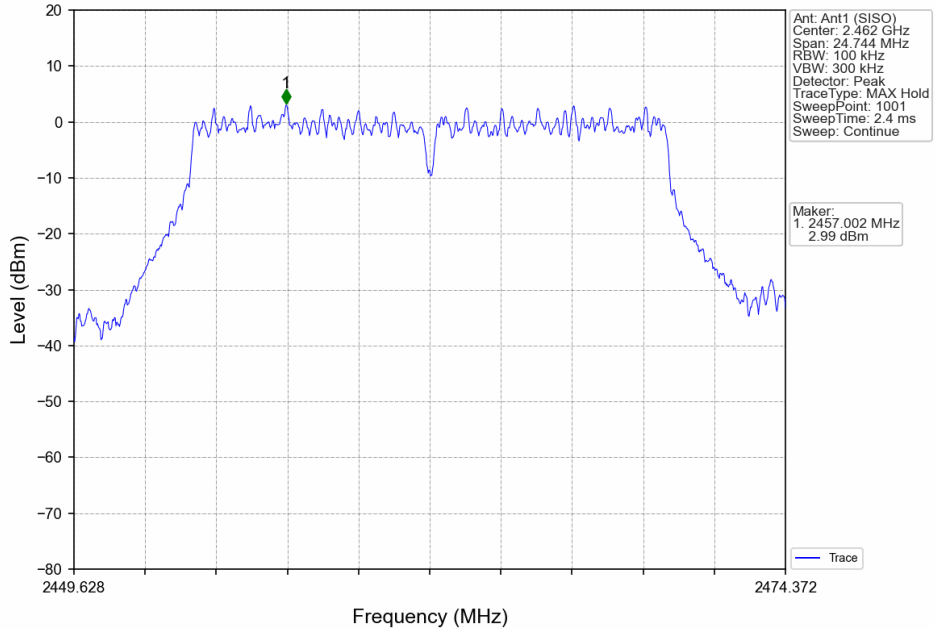
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



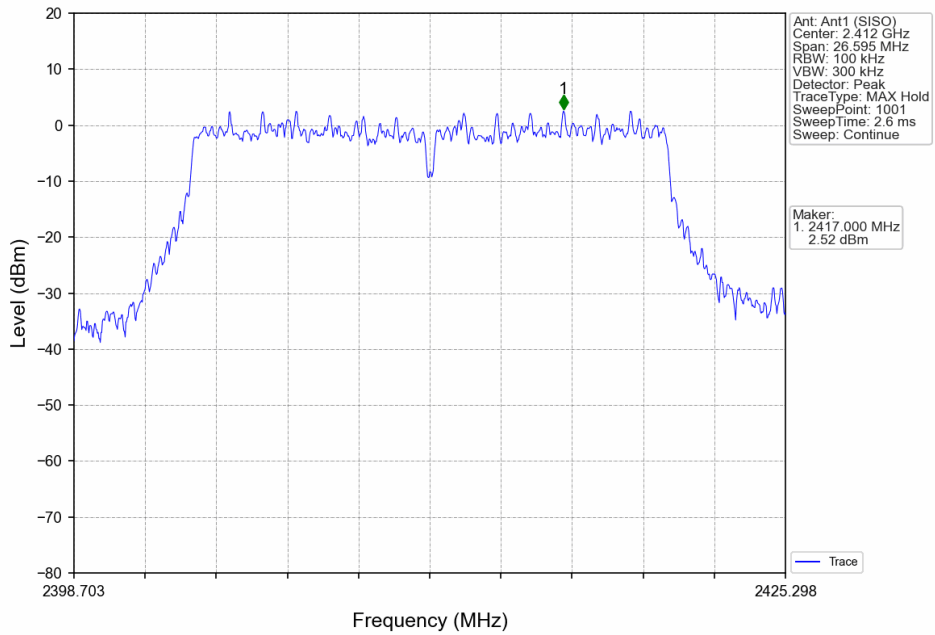
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



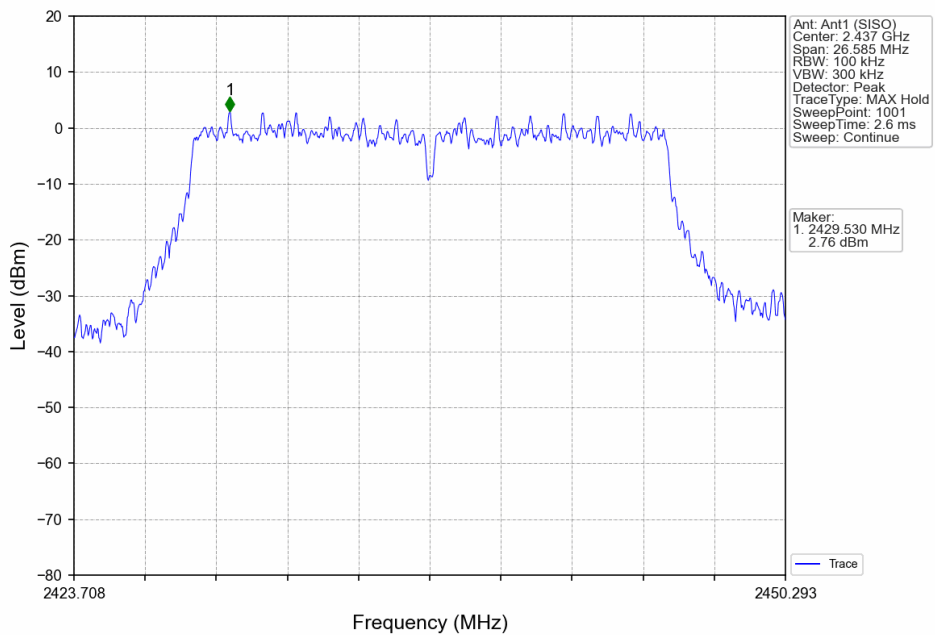
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



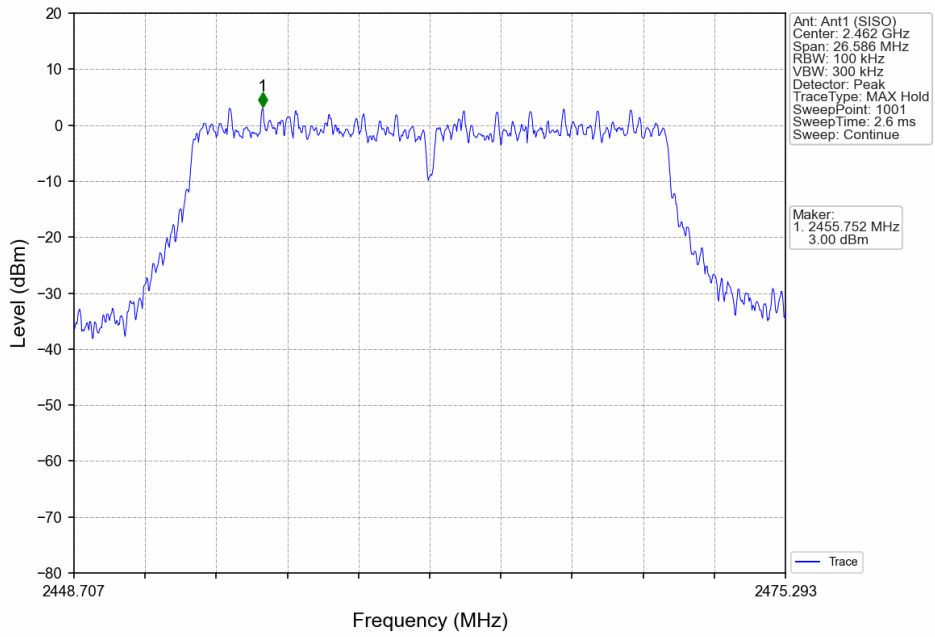
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



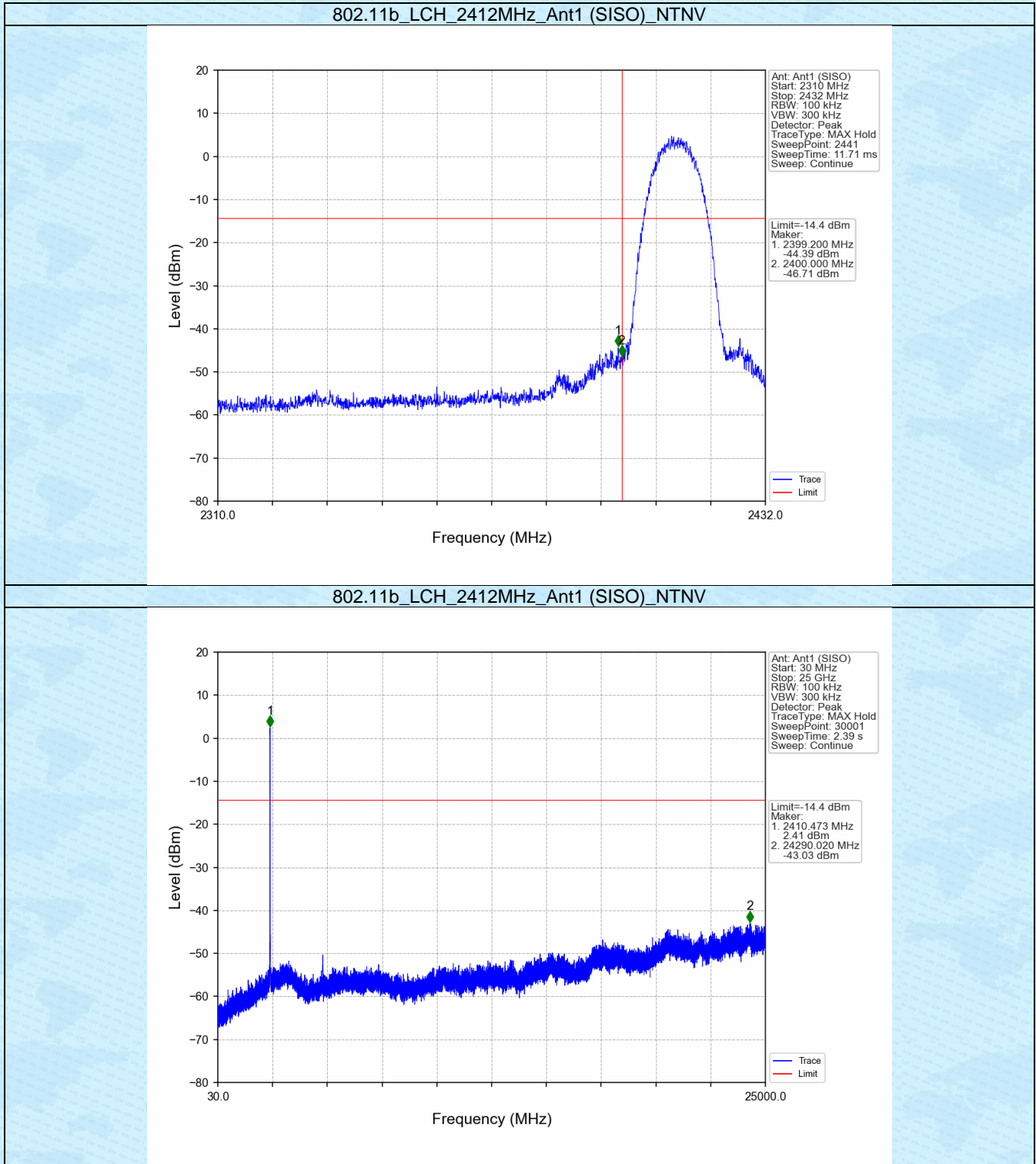
5.2 CSE

5.2.1 Test Result

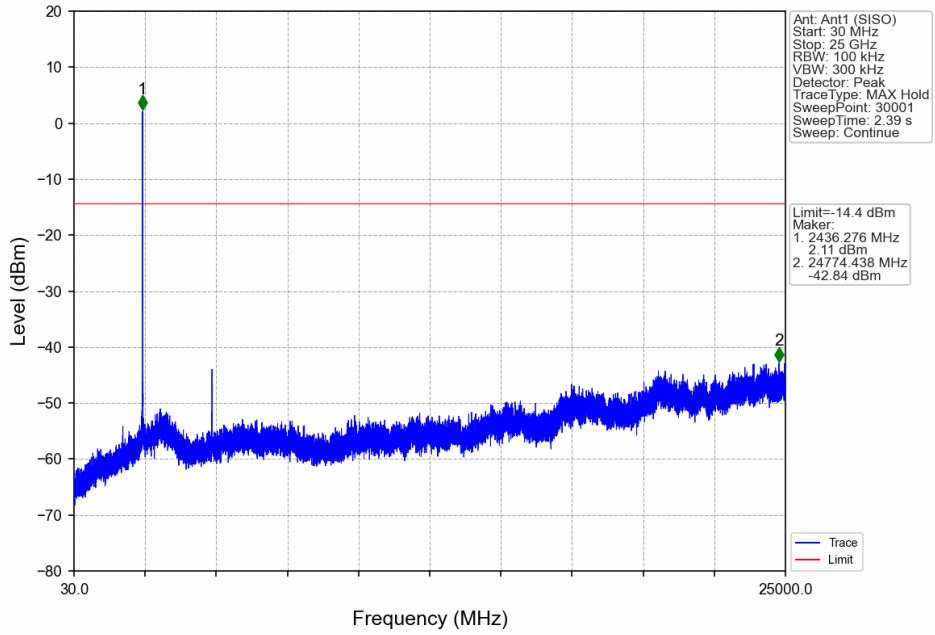
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.60	-14.40	Pass
		2437	1	5.60	-14.40	Pass
		2462	1	5.60	-14.40	Pass
802.11g	SISO	2412	1	3.25	-16.75	Pass
		2437	1	3.25	-16.75	Pass
		2462	1	3.25	-16.75	Pass
802.11n (HT20)	SISO	2412	1	3.00	-17.00	Pass
		2437	1	3.00	-17.00	Pass
		2462	1	3.00	-17.00	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.

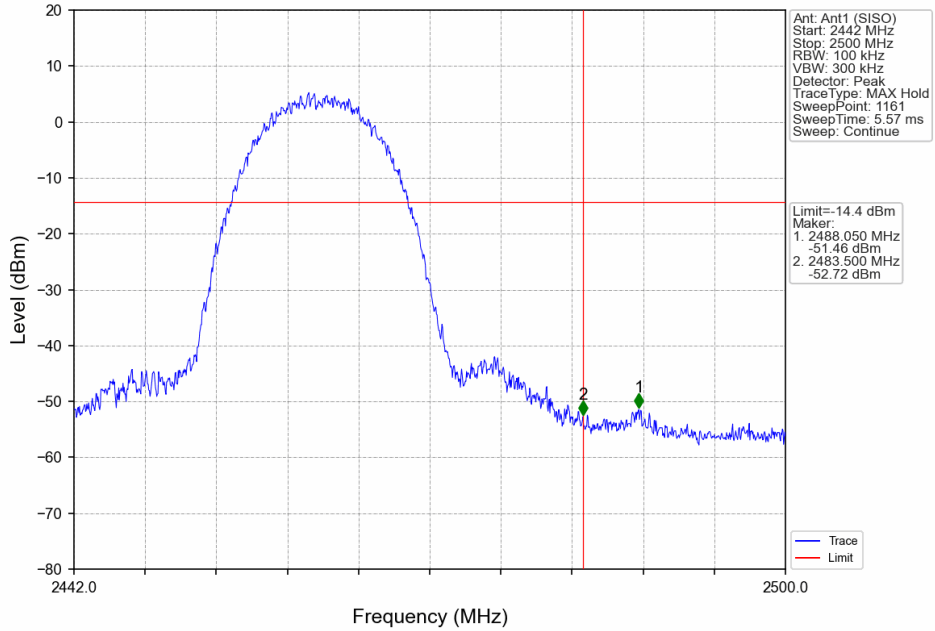
5.2.2 Test Graph



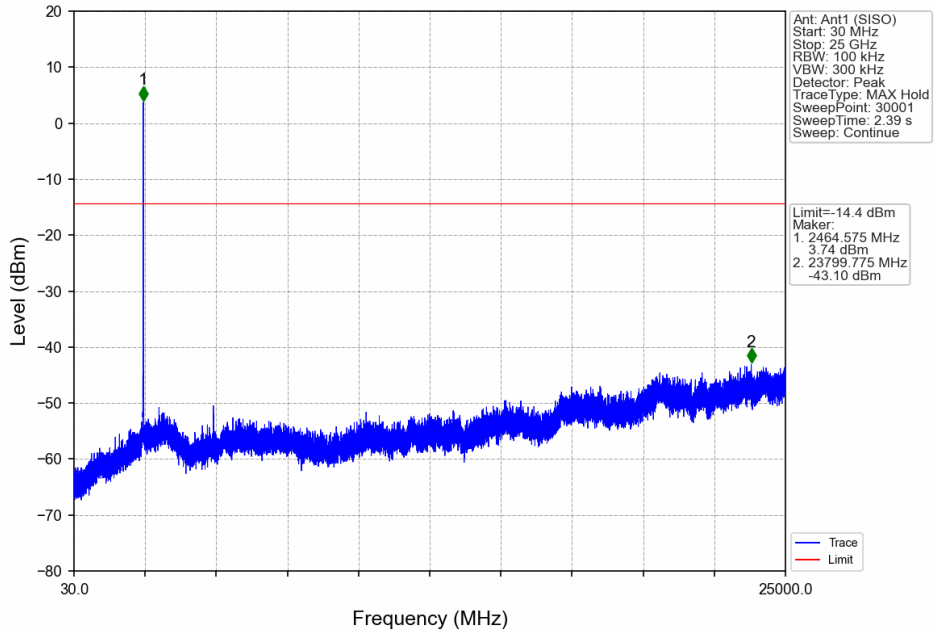
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



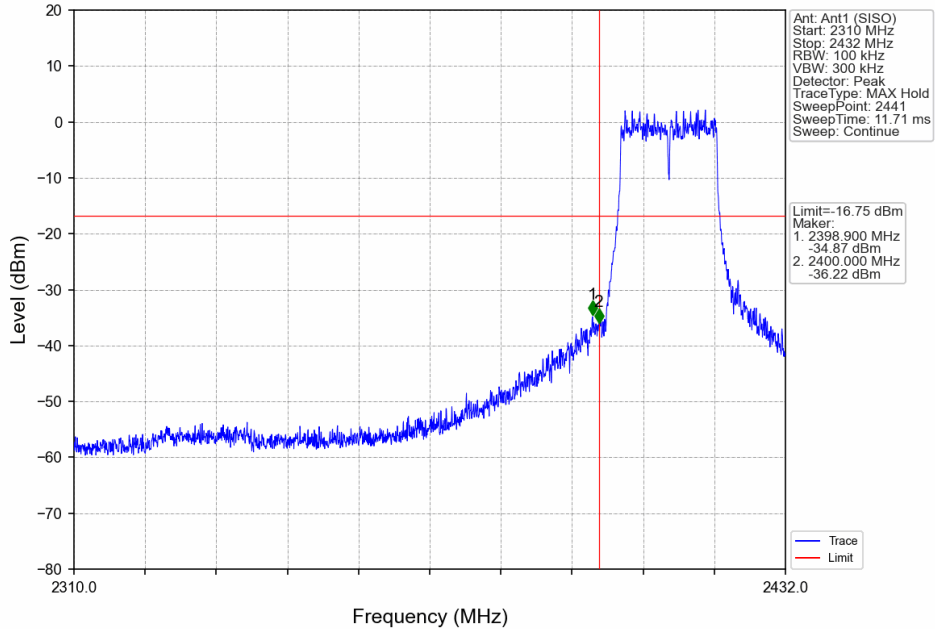
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



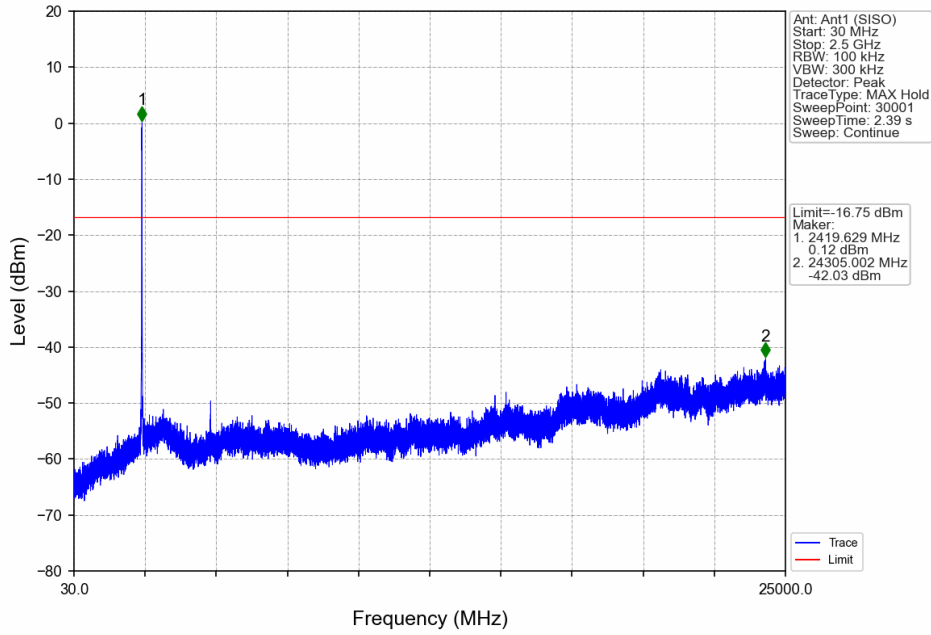
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



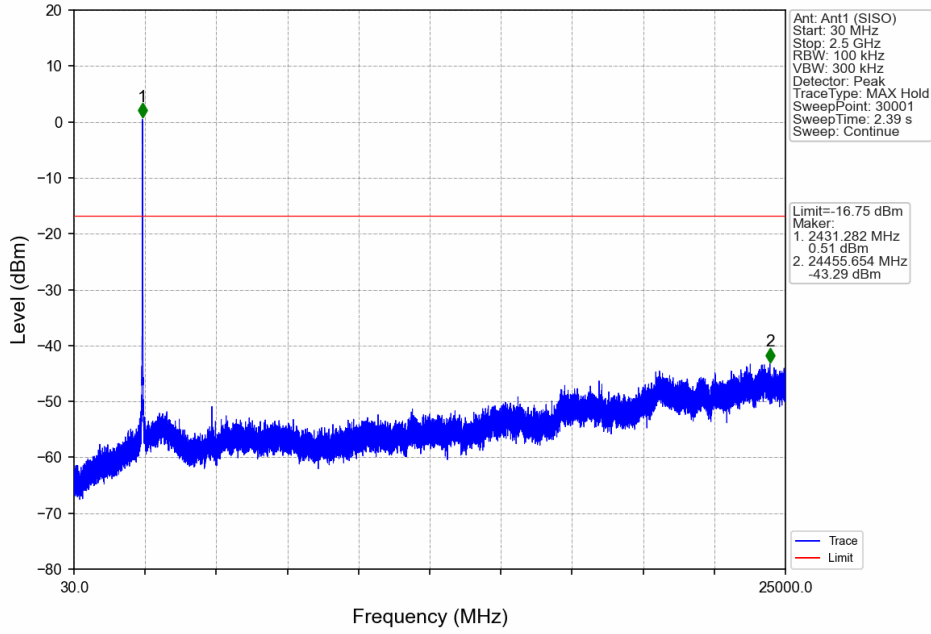
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



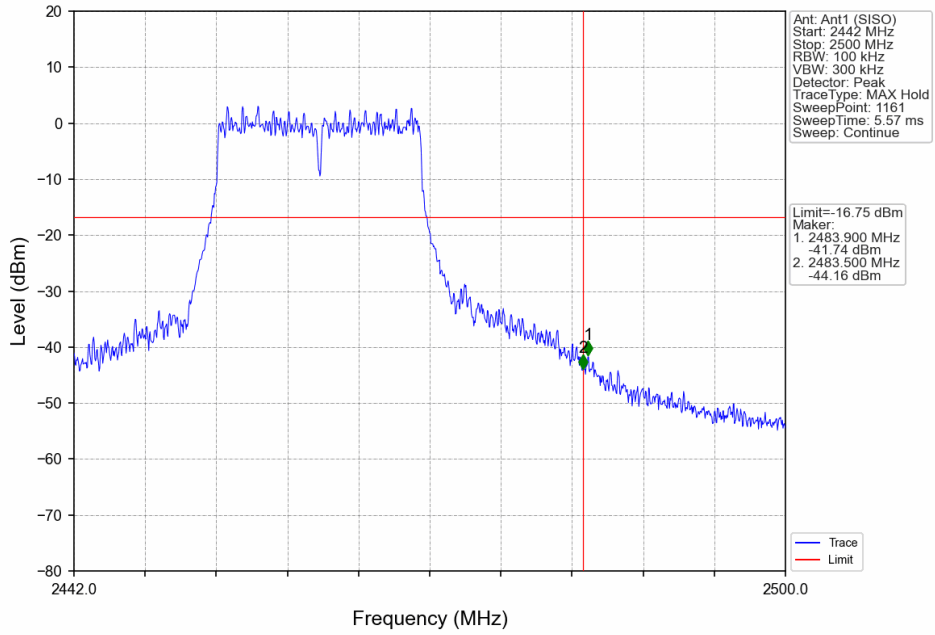
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



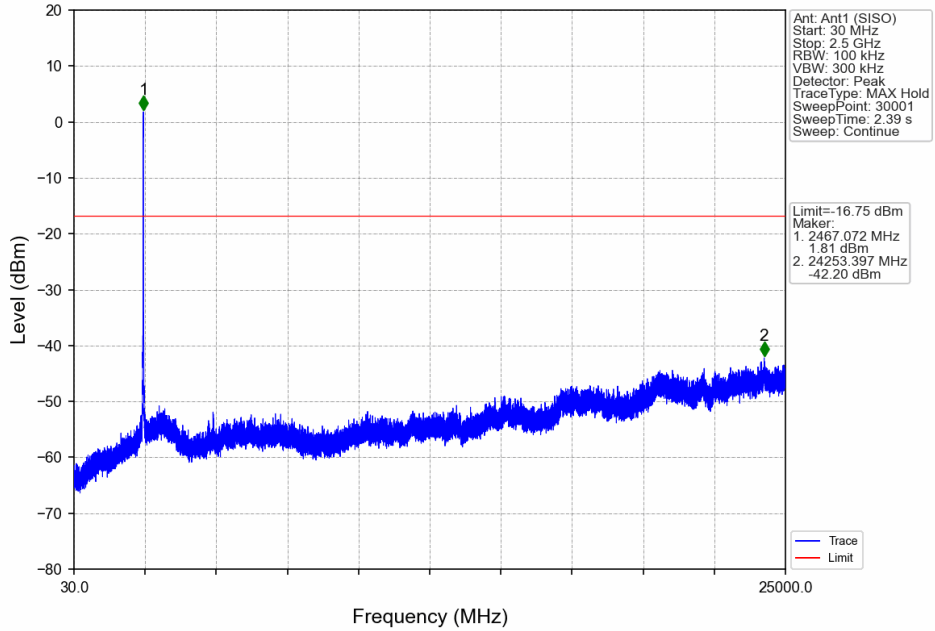
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



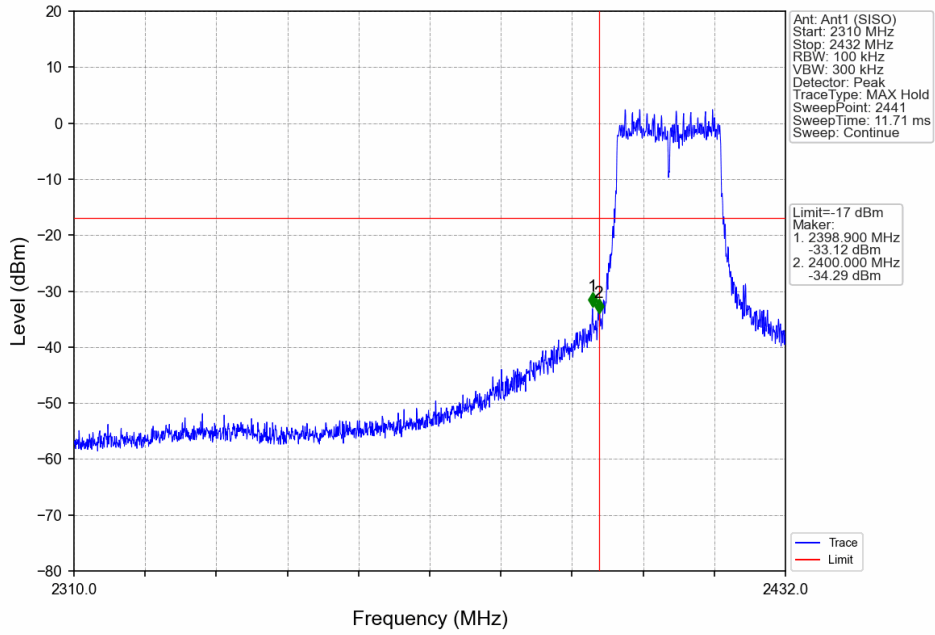
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



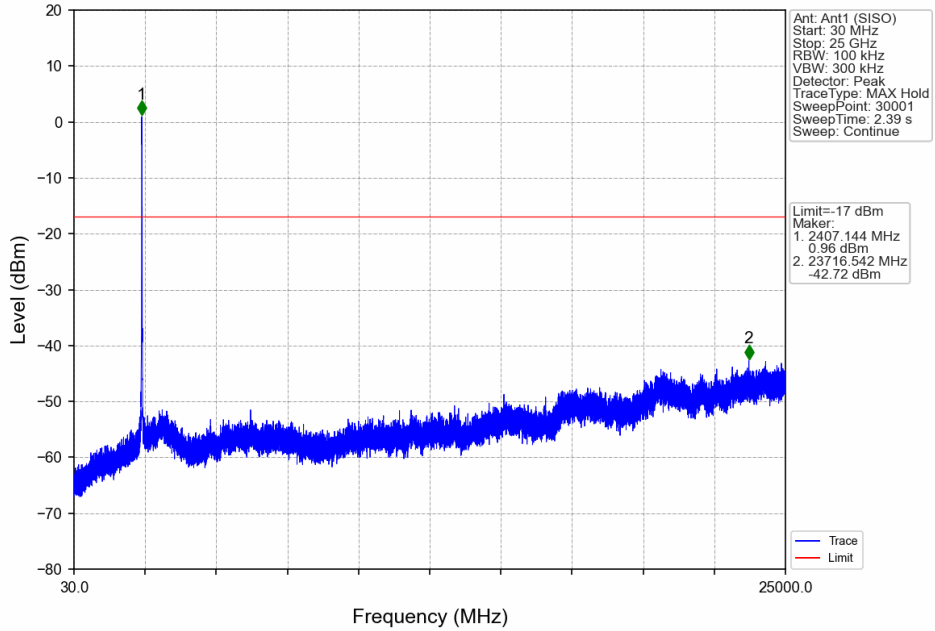
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



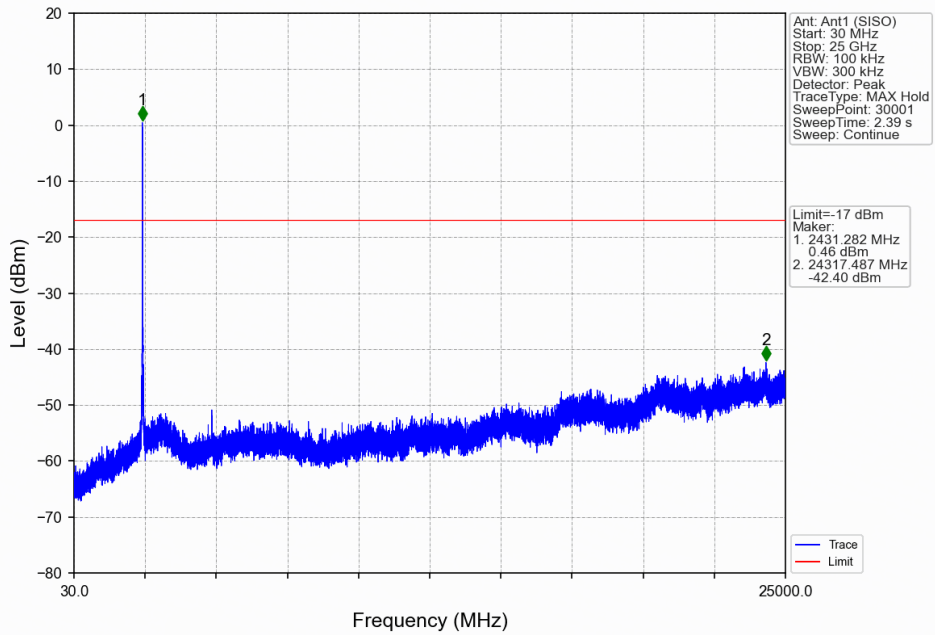
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



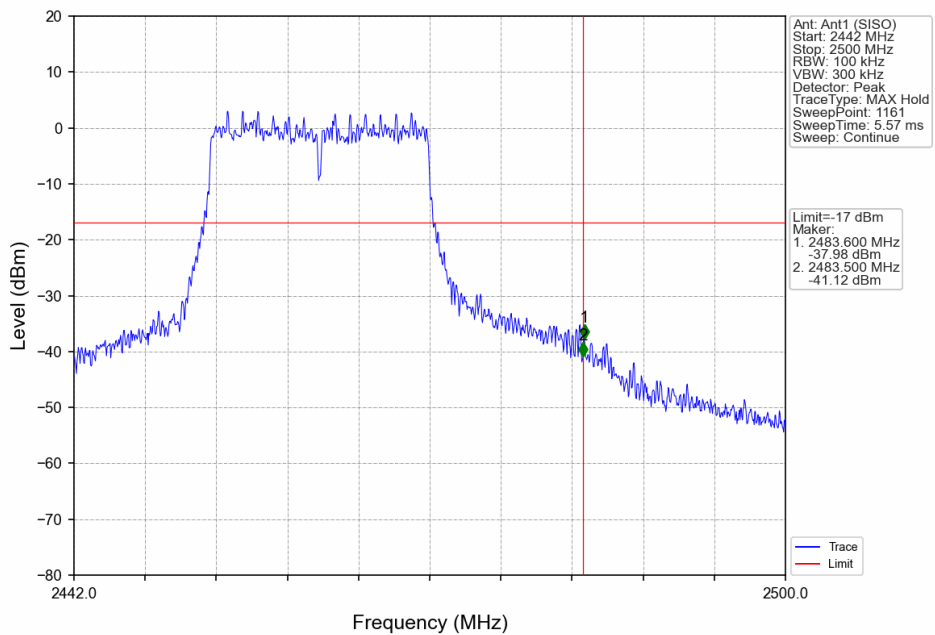
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



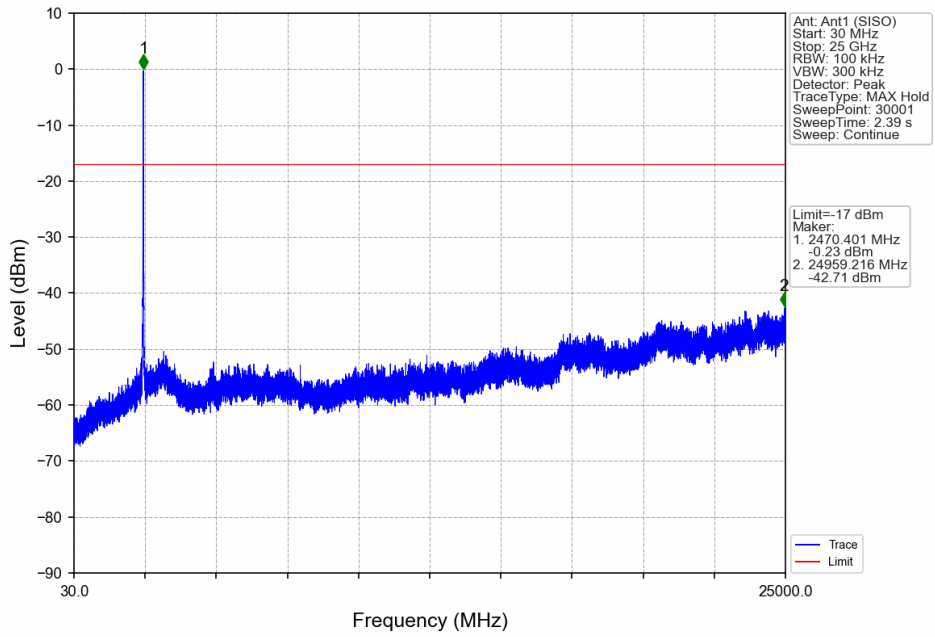
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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