

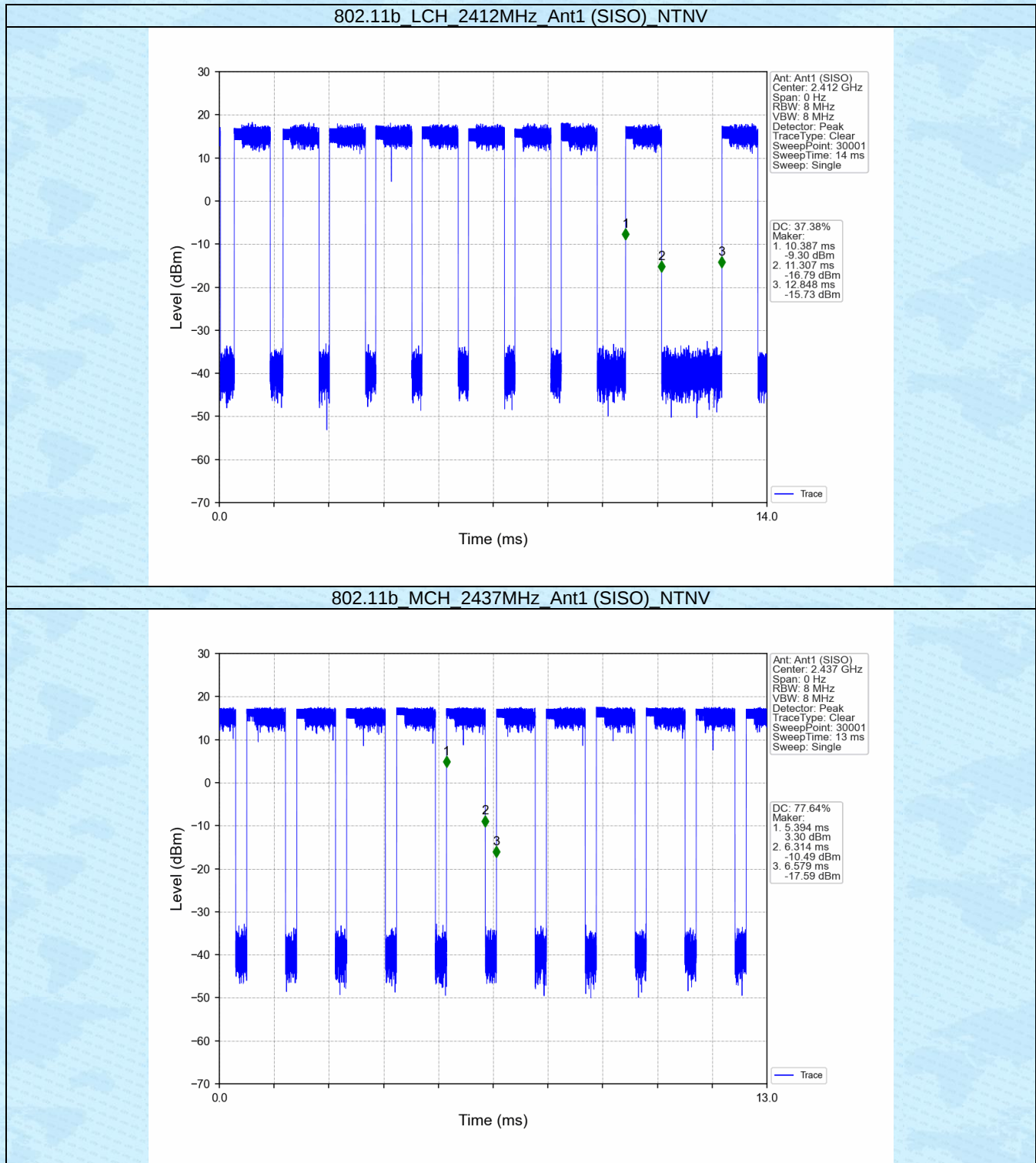
1. Duty Cycle

1.1 Ant1

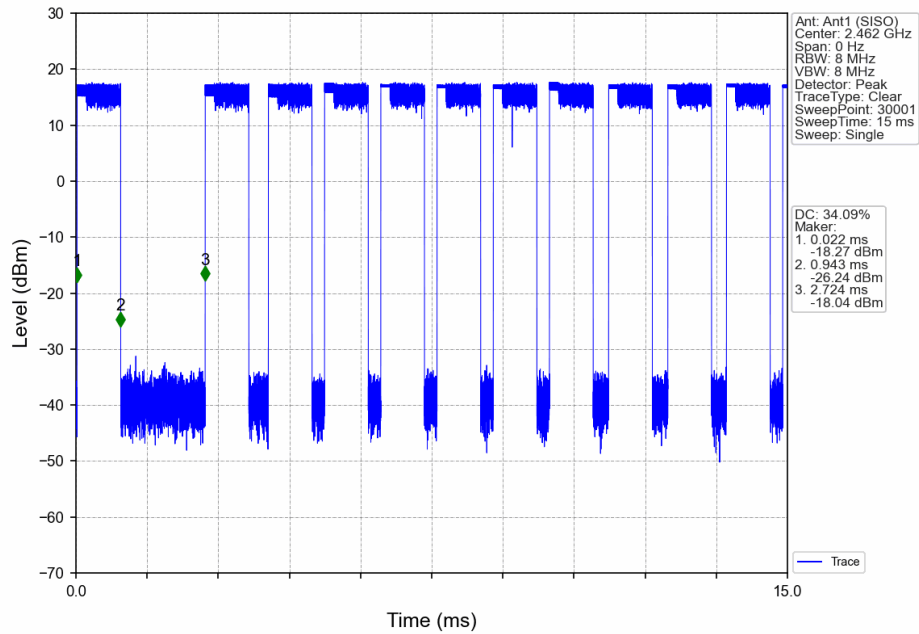
1.1.1 Test Result

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	0.920	2.461	37.38	4.27	40.31
		2437	0.920	1.185	77.64	1.10	0.04
		2462	0.921	2.702	34.09	4.67	43.59
802.11g	SISO	2412	0.630	0.900	70.00	1.55	0.04
		2437	0.630	0.994	63.38	1.98	6.62
		2462	0.629	0.909	69.20	1.60	11.43
802.11n (HT20)	SISO	2412	0.546	3.581	15.25	8.17	51.71
		2437	0.546	0.990	55.15	2.58	11.76
		2462	0.544	12.157	4.47	13.49	83.73

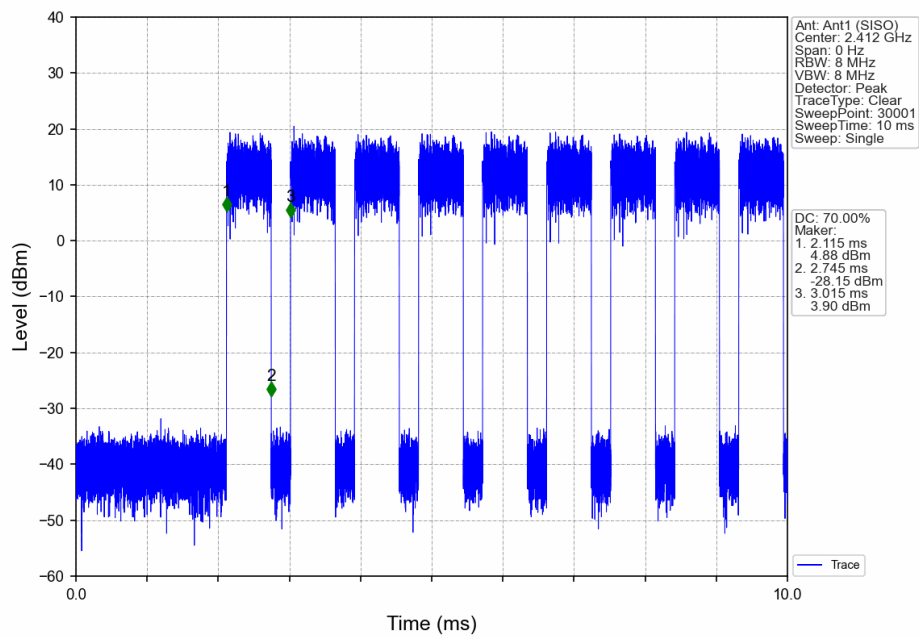
1.1.2 Test Graph



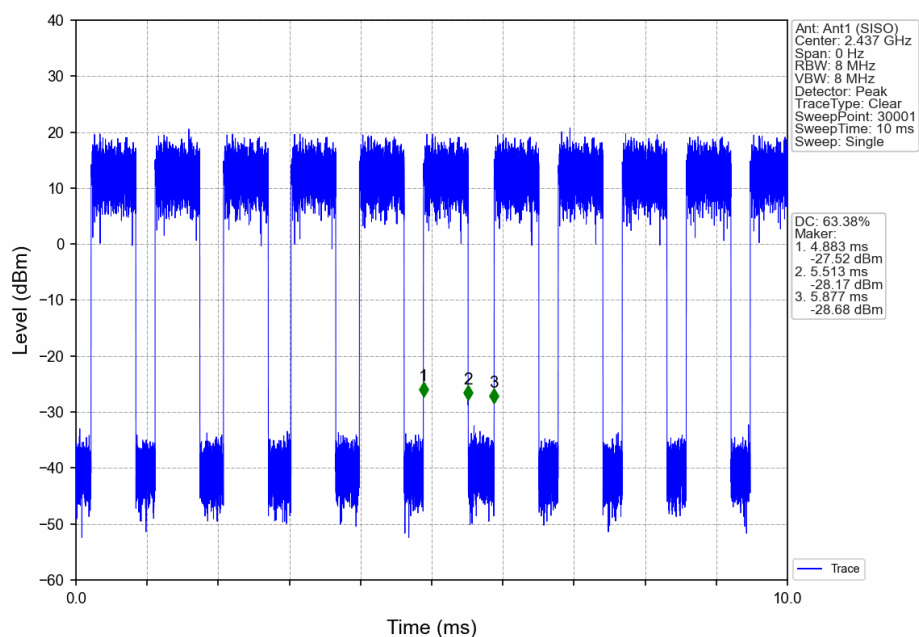
802.11b HCH 2462MHz_Ant1 (SISO) _NTNV



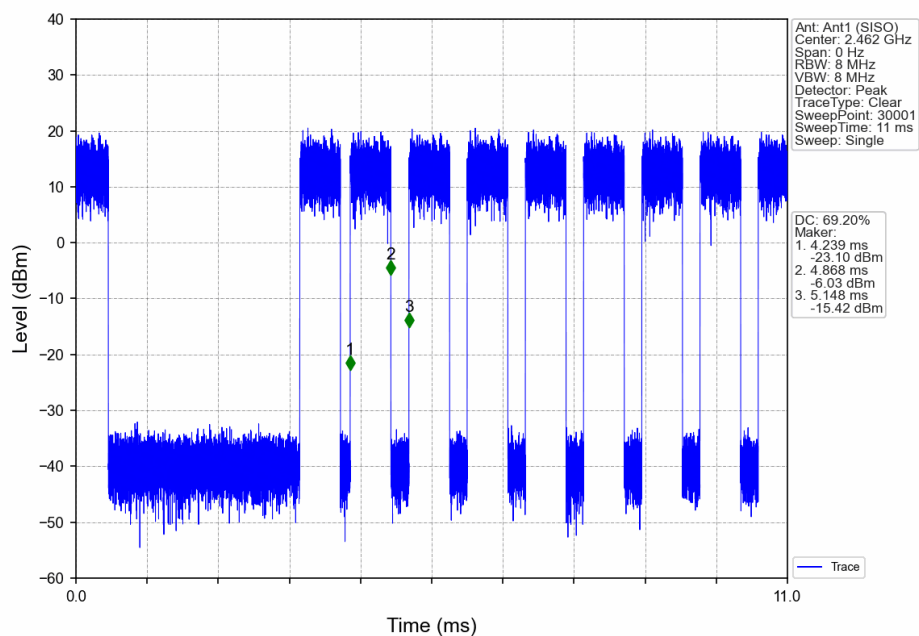
802.11g LCH 2412MHz_Ant1 (SISO) _NTNV



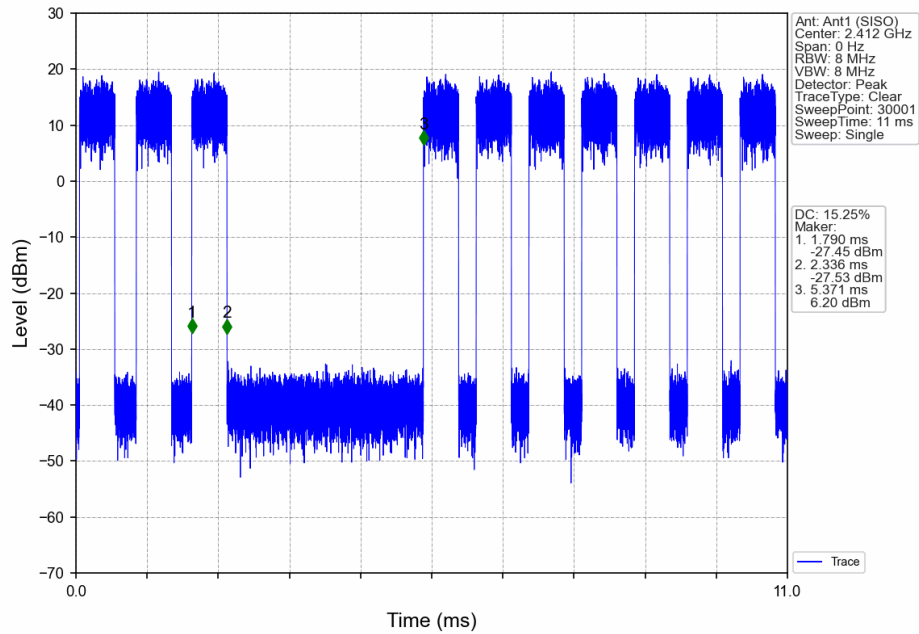
802.11g MCH 2437MHz Ant1 (SISO) NTN



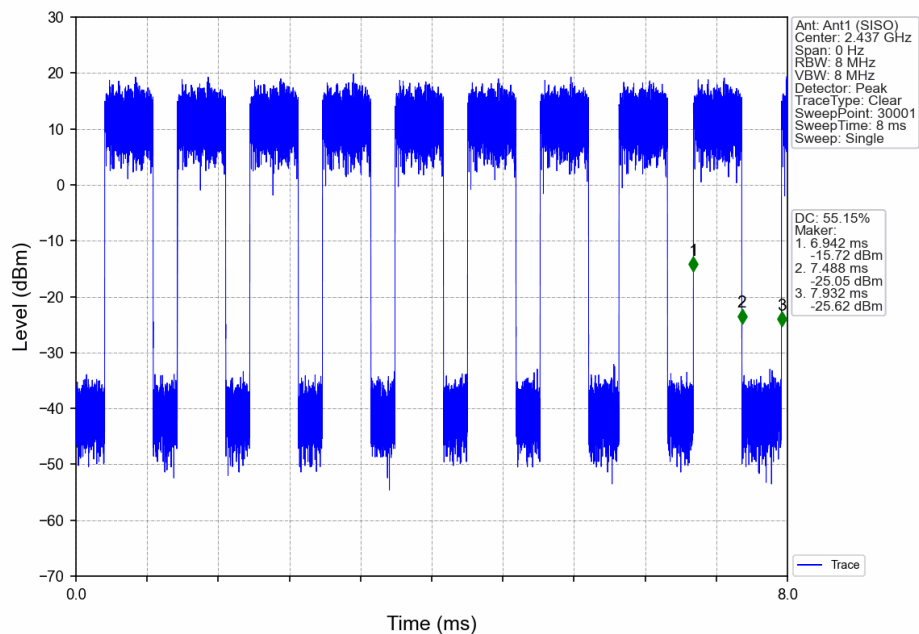
802.11g HCH 2462MHz Ant1 (SISO) NTN

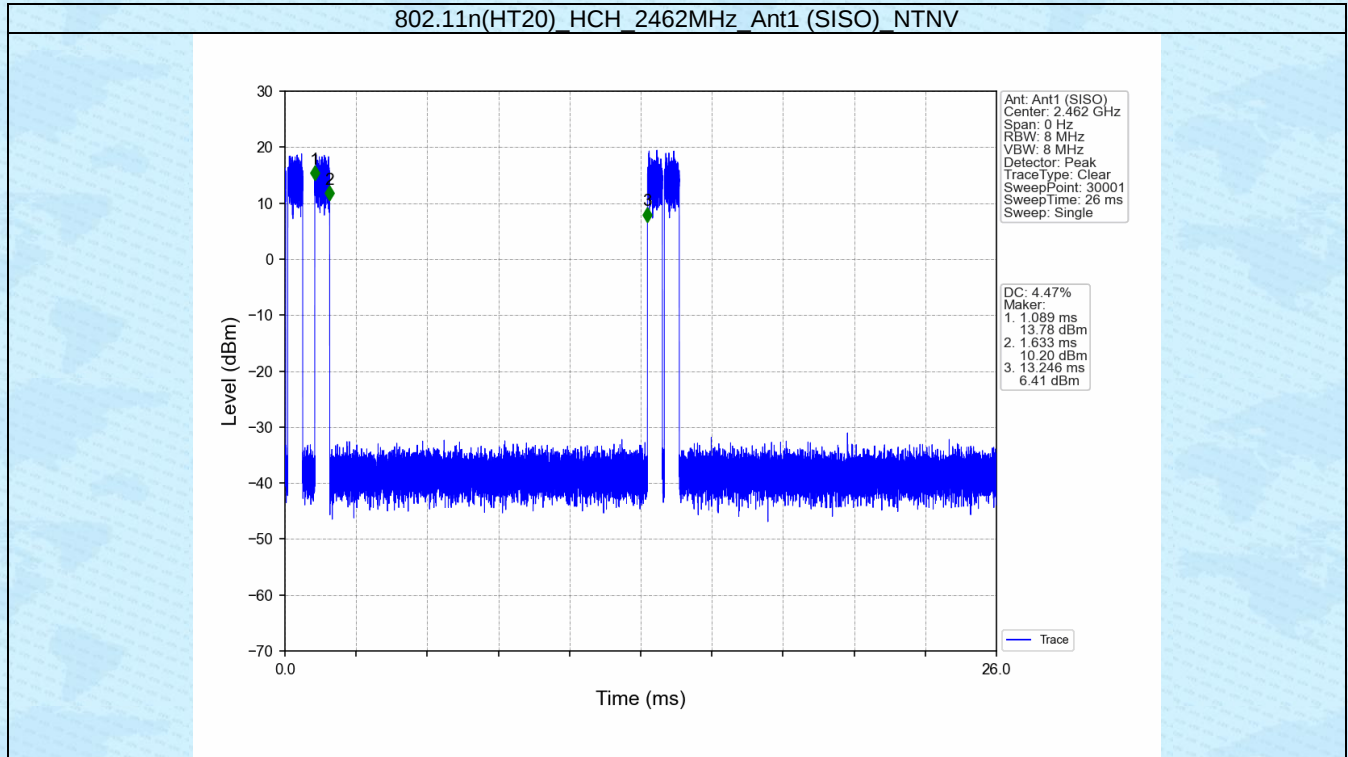


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





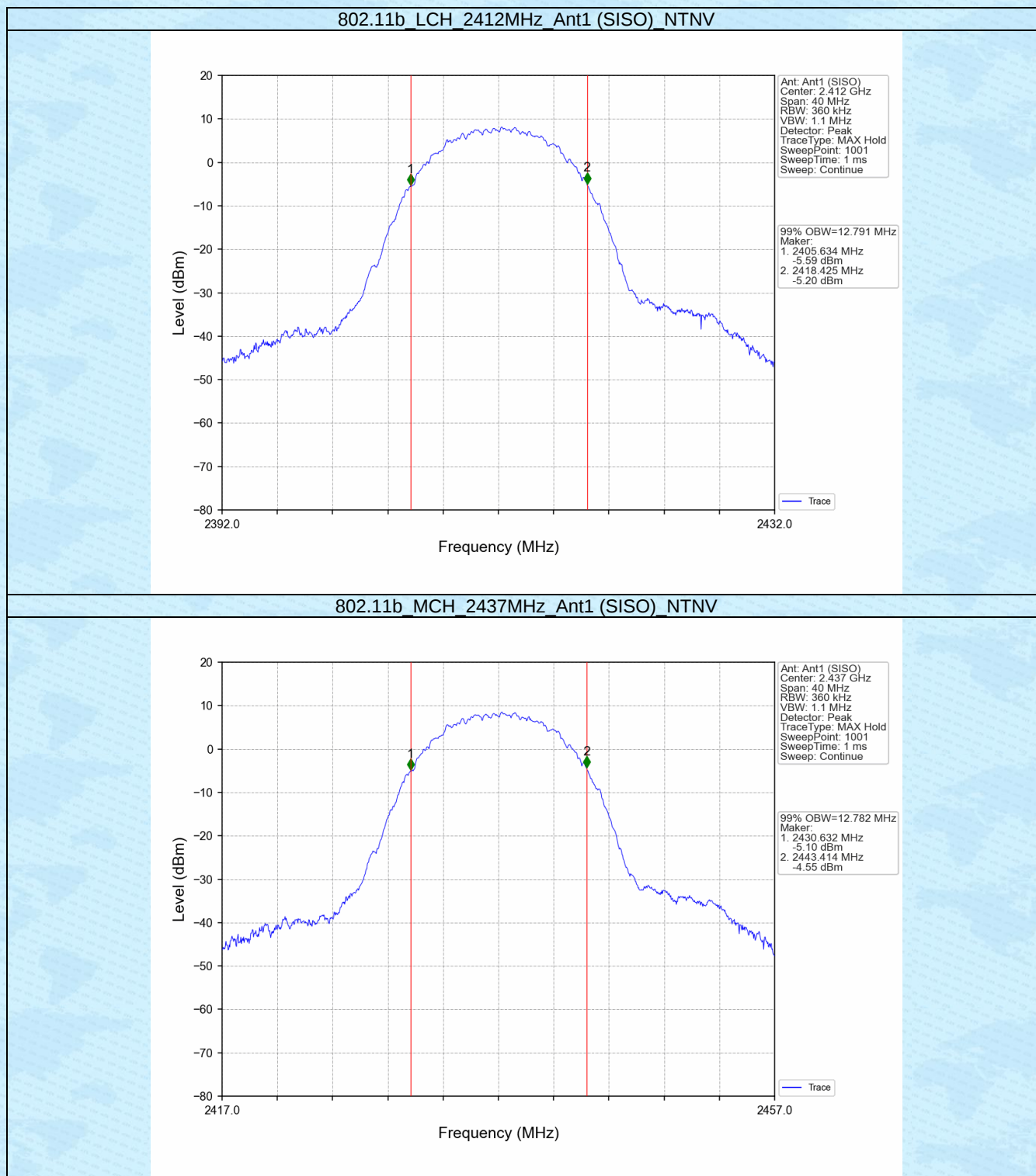
2. Bandwidth

2.1 OBW

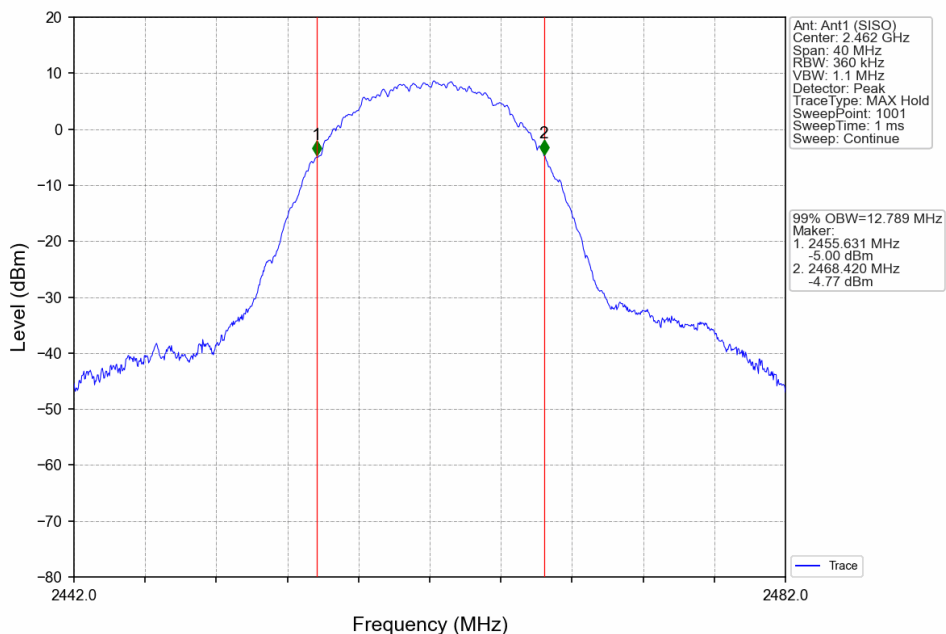
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	12.791	Pass
		2437	1	12.782	Pass
		2462	1	12.789	Pass
802.11g	SISO	2412	1	17.388	Pass
		2437	1	17.378	Pass
		2462	1	17.326	Pass
802.11n (HT20)	SISO	2412	1	18.298	Pass
		2437	1	18.275	Pass
		2462	1	18.279	Pass

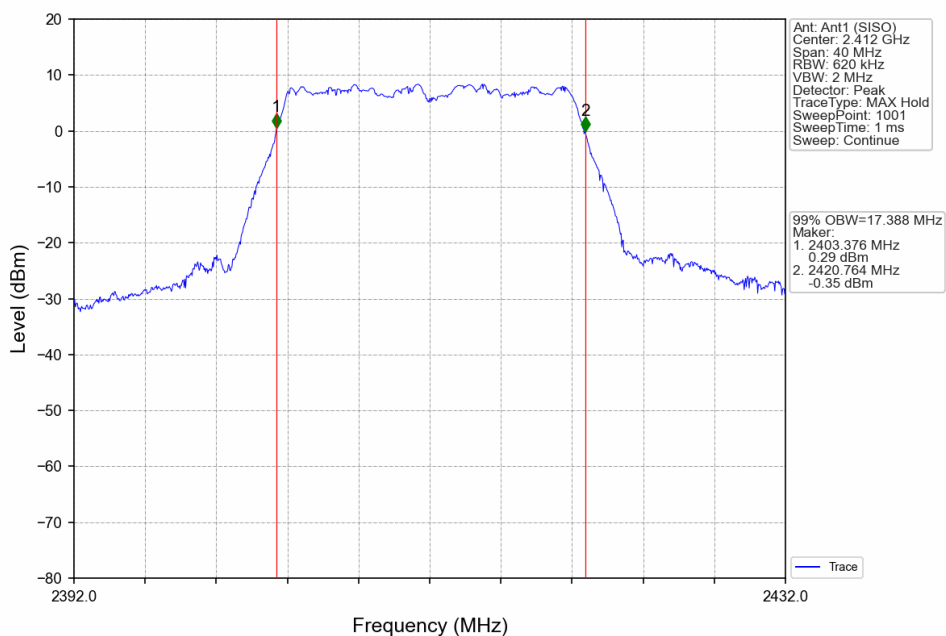
2.1.2 Test Graph

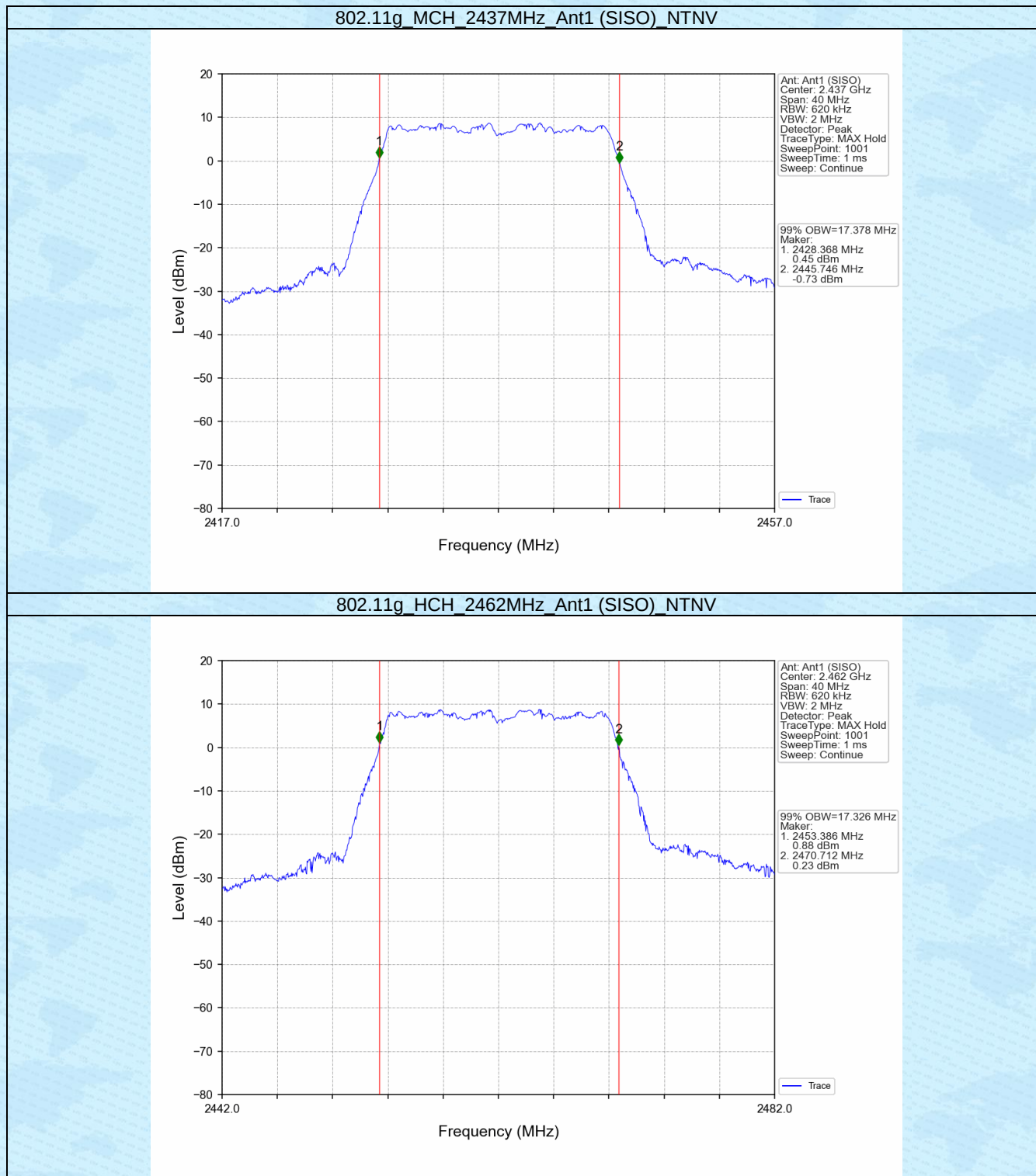


802.11b HCH 2462MHz_Ant1 (SISO)_NTNV

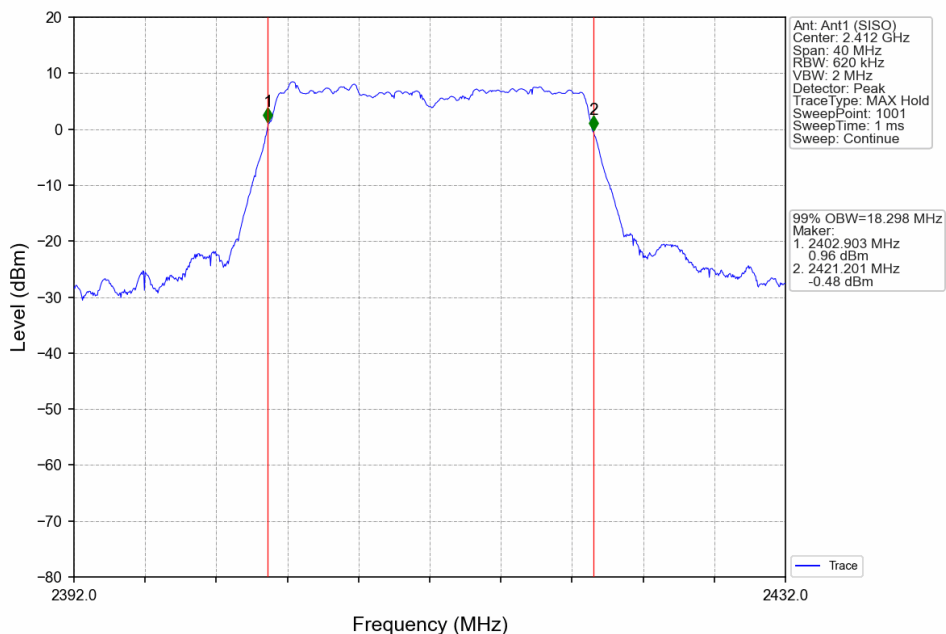


802.11g LCH 2412MHz_Ant1 (SISO)_NTNV

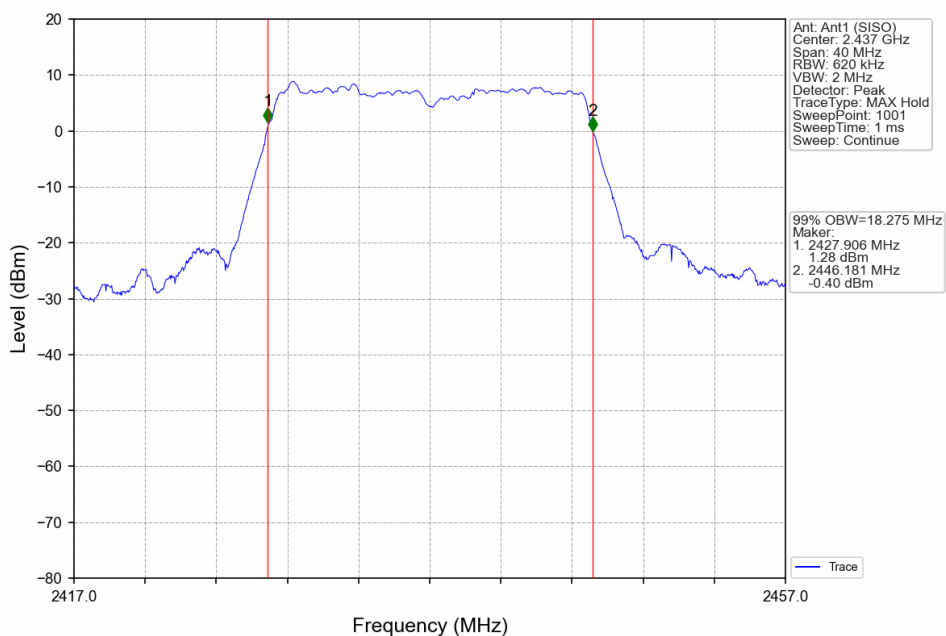


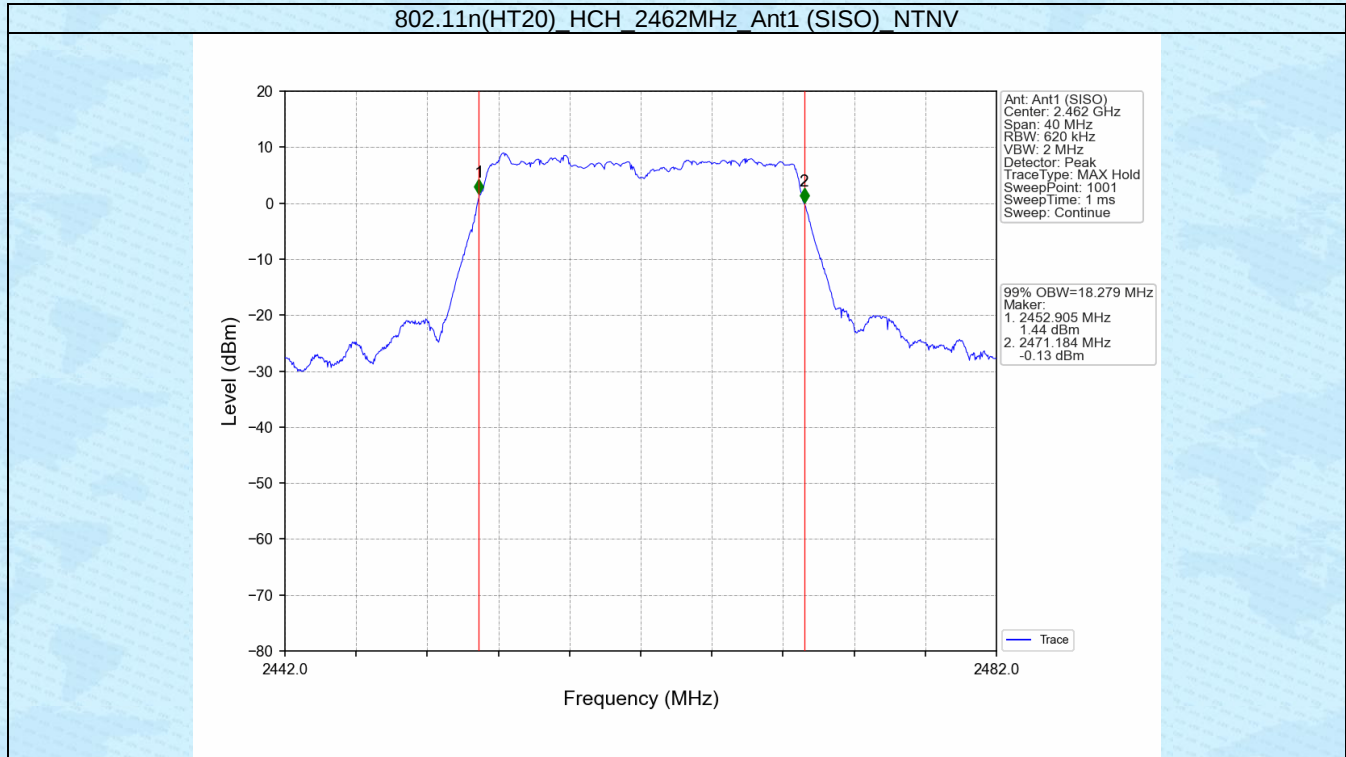


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



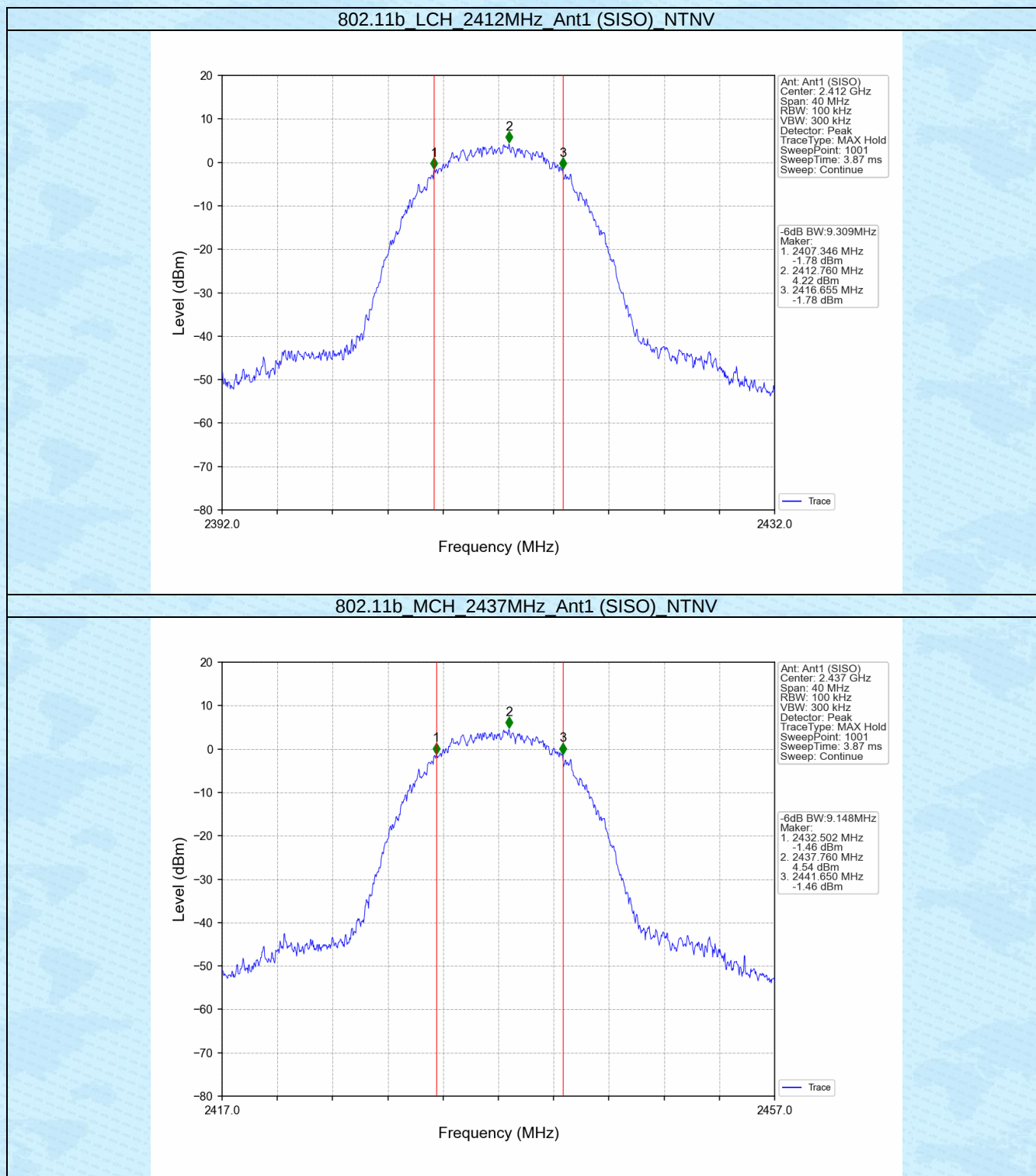


2.2 6dB BW

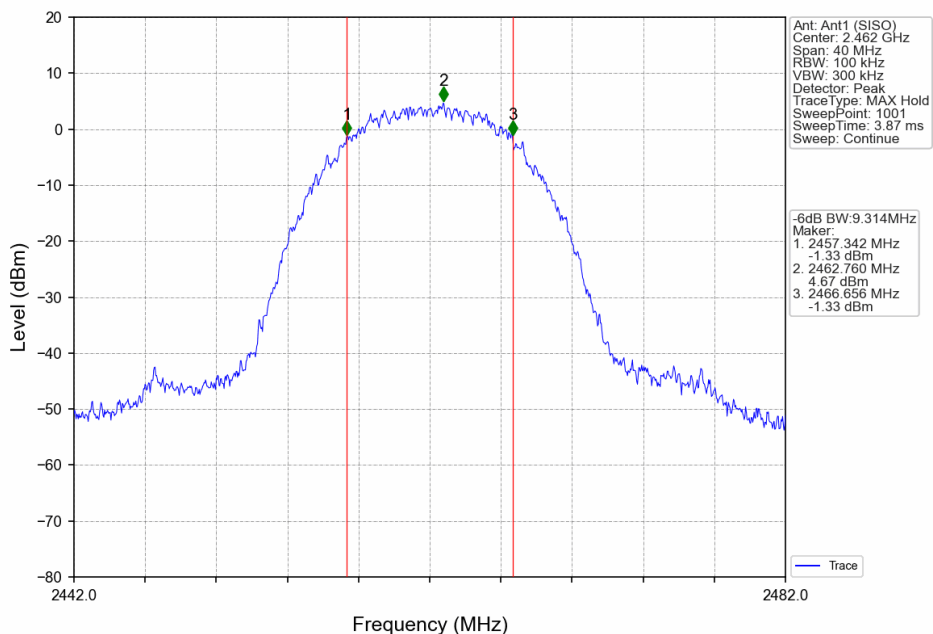
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.309	≥ 0.5	Pass
		2437	1	9.148	≥ 0.5	Pass
		2462	1	9.314	≥ 0.5	Pass
802.11g	SISO	2412	1	16.509	≥ 0.5	Pass
		2437	1	16.517	≥ 0.5	Pass
		2462	1	16.499	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.748	≥ 0.5	Pass
		2437	1	17.748	≥ 0.5	Pass
		2462	1	17.742	≥ 0.5	Pass

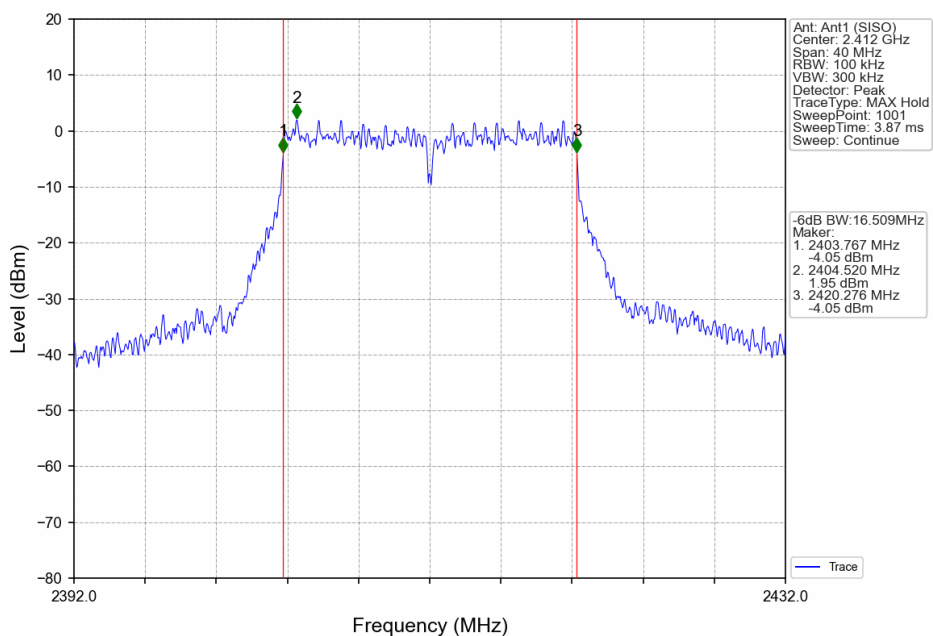
2.2.2 Test Graph



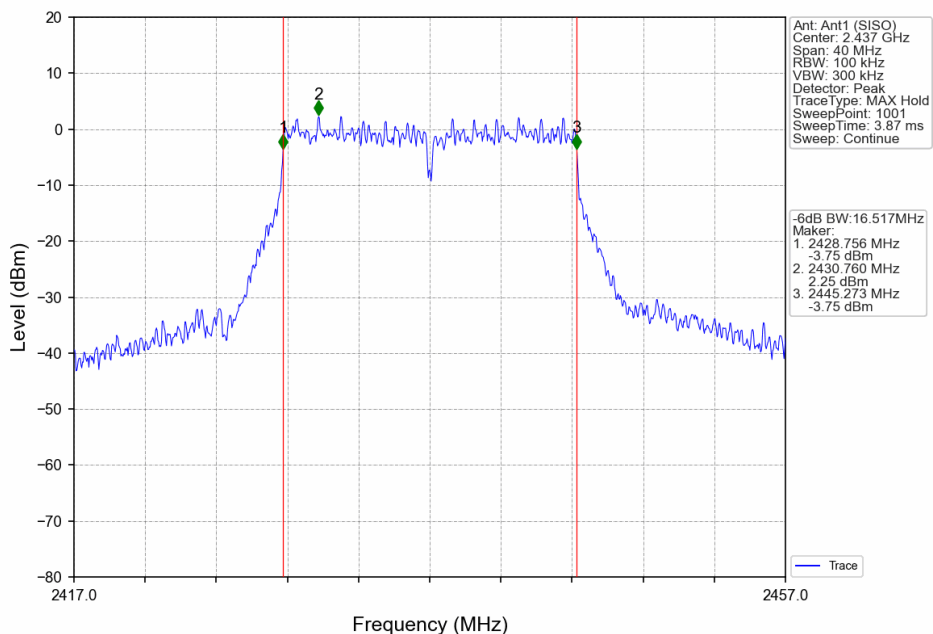
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



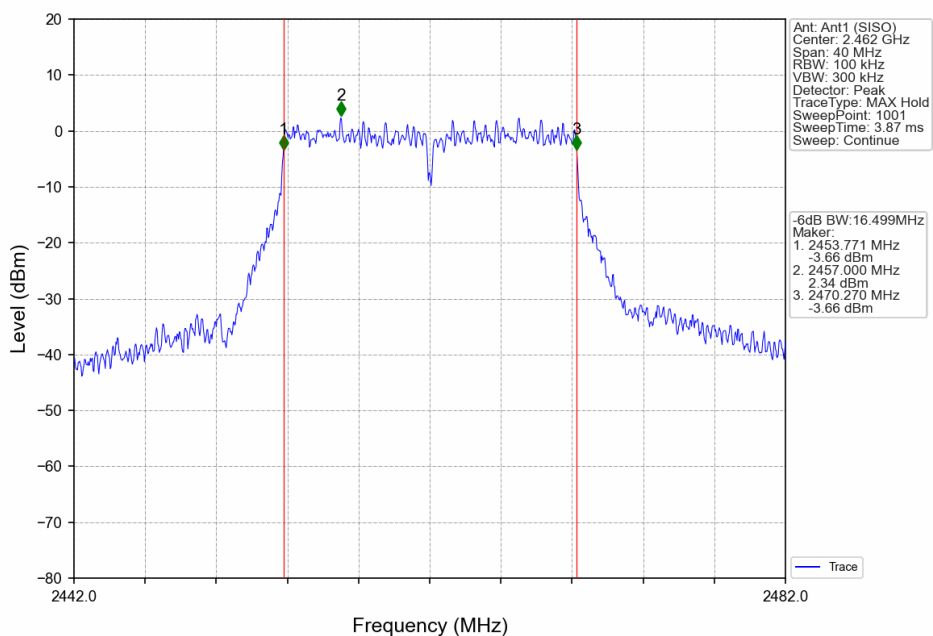
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



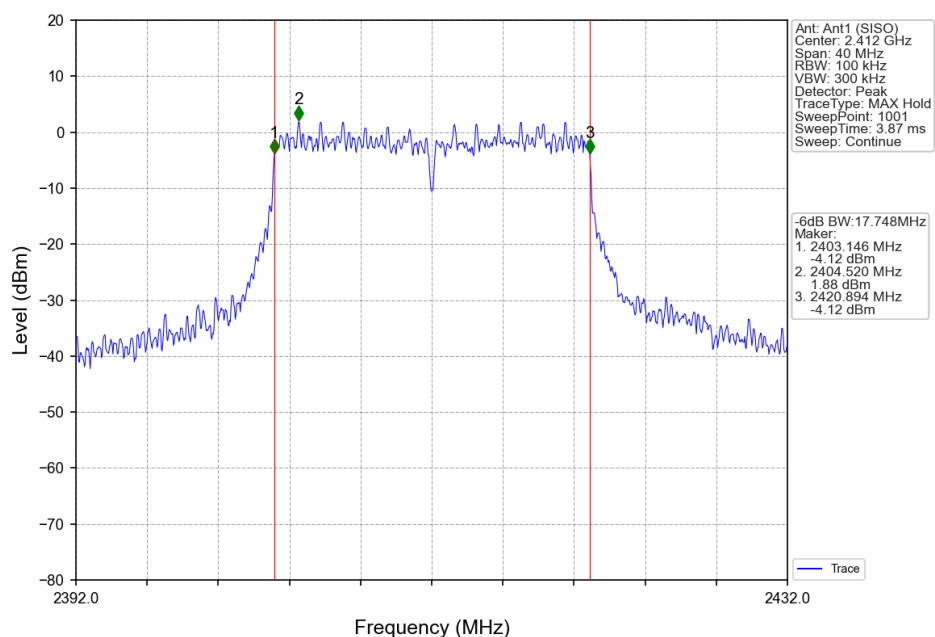
802.11g MCH 2437MHz_Ant1 (SISO) NTN



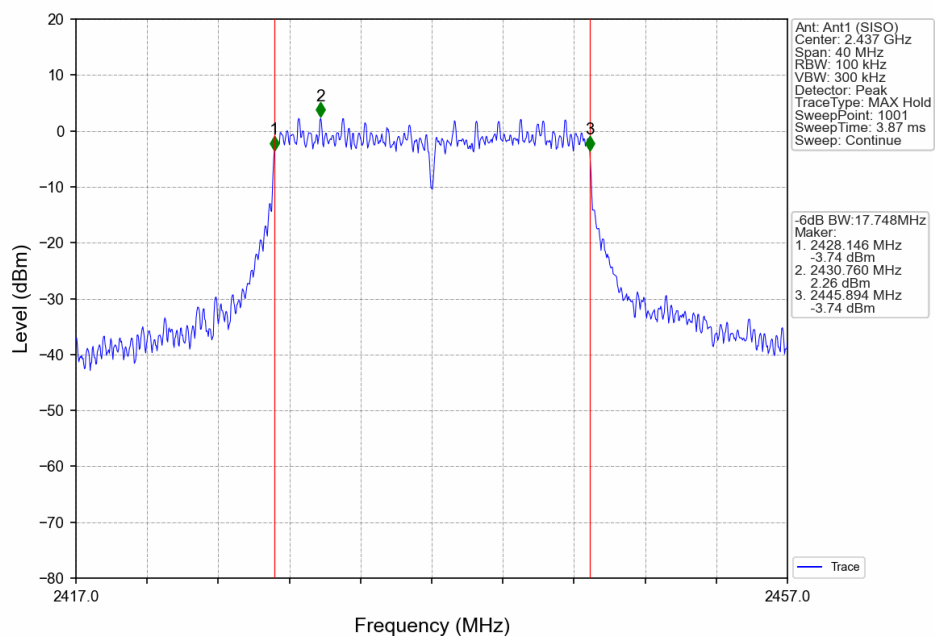
802.11g HCH 2462MHz_Ant1 (SISO) NTN

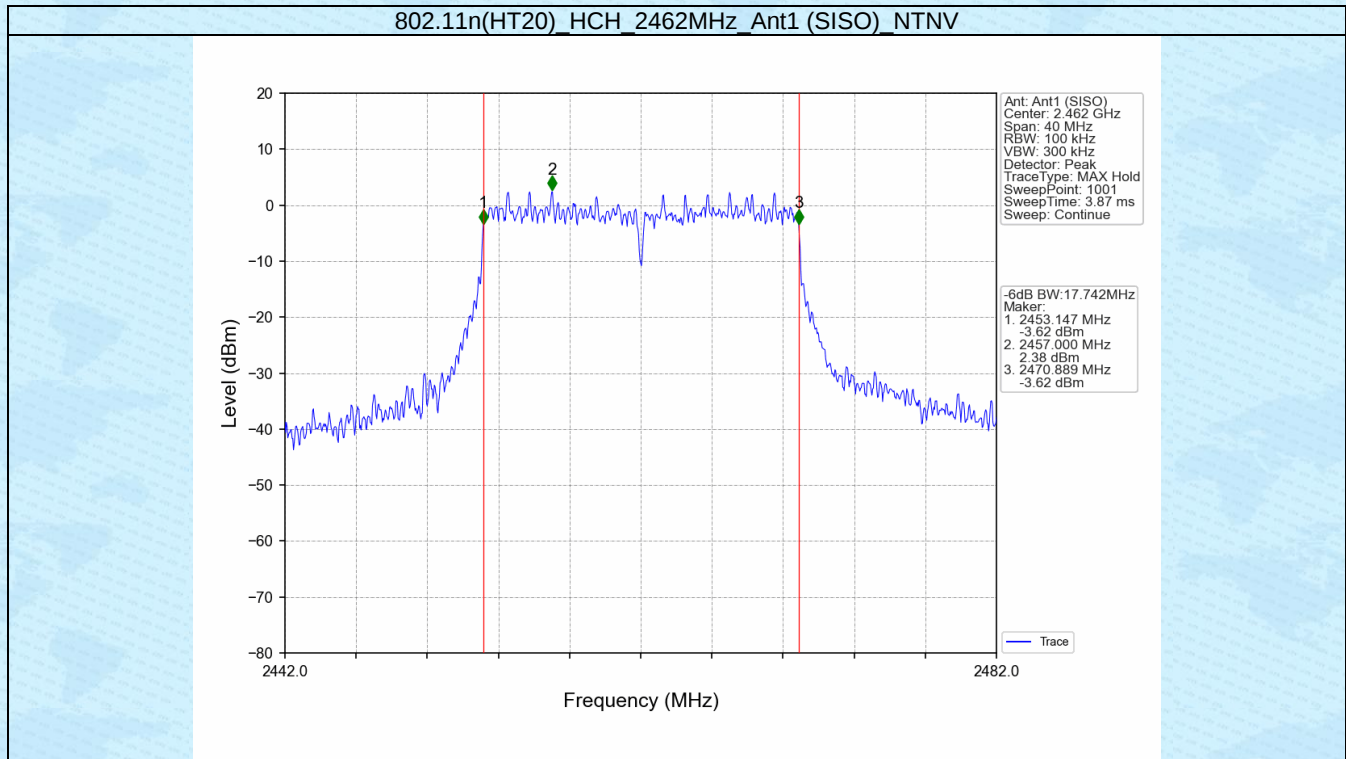


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_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	18.98	<=30	Pass
		2437	19.31	<=30	Pass
		2462	19.47	<=30	Pass
802.11g	SISO	2412	21.37	<=30	Pass
		2437	21.63	<=30	Pass
		2462	21.67	<=30	Pass
802.11n (HT20)	SISO	2412	21.21	<=30	Pass
		2437	21.56	<=30	Pass
		2462	21.60	<=30	Pass

Note1: Antenna Gain: Ant1: 1.88dBi;

4. Maximum Power Spectral Density

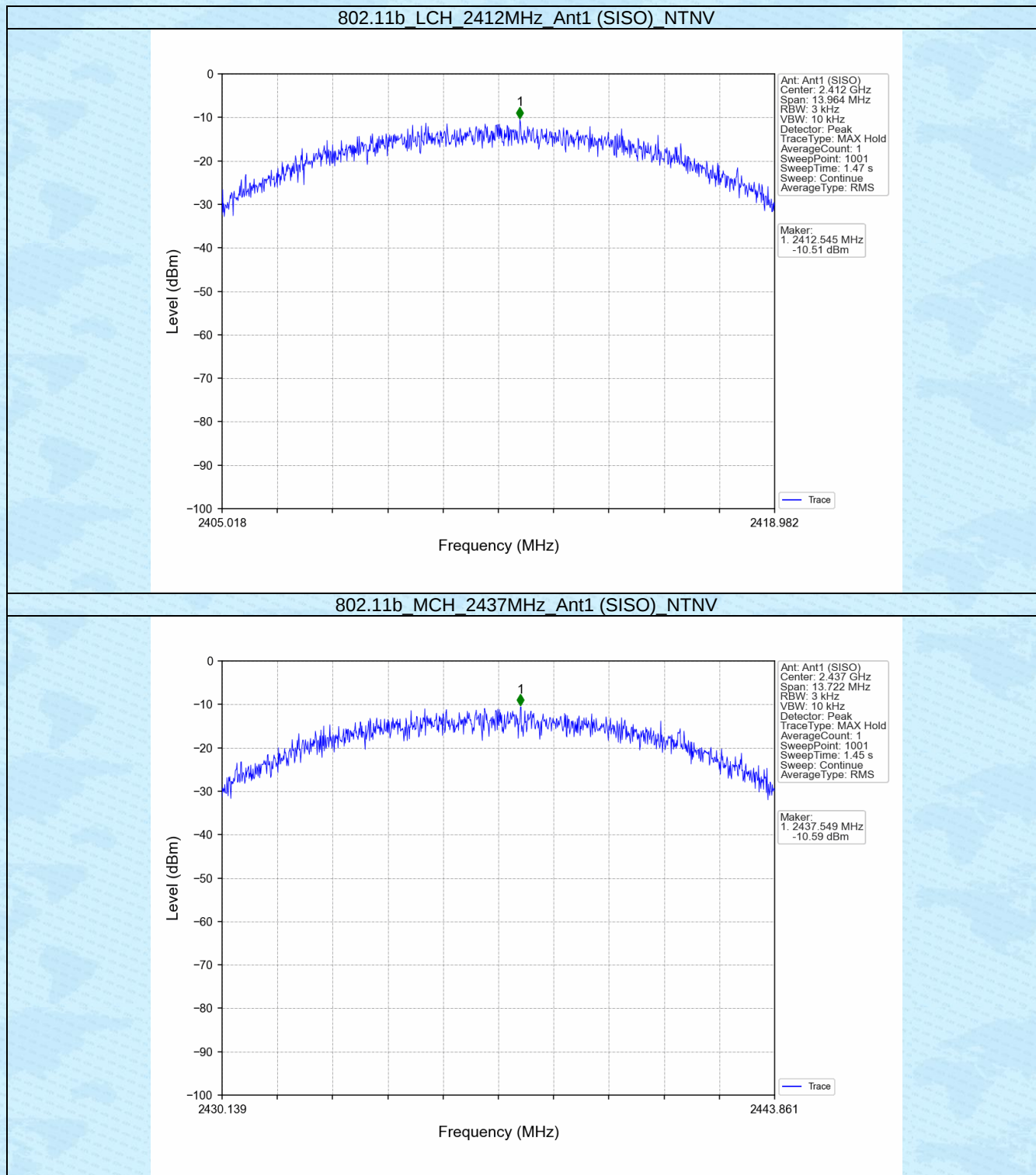
4.1 PSD

4.1.1 Test Result

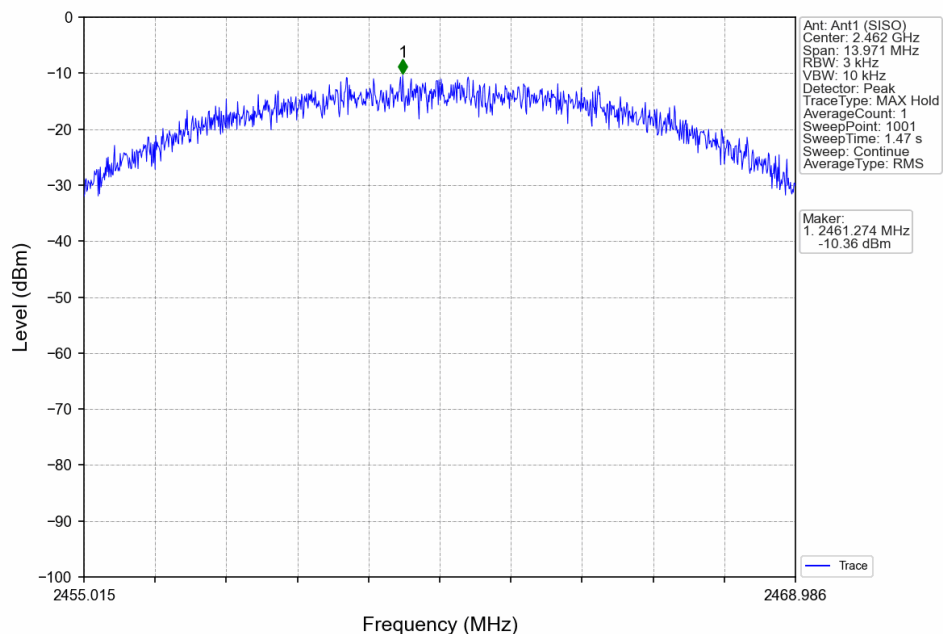
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.51	<=8	Pass
		2437	-10.59	<=8	Pass
		2462	-10.36	<=8	Pass
802.11g	SISO	2412	-12.65	<=8	Pass
		2437	-12.41	<=8	Pass
		2462	-12.61	<=8	Pass
802.11n (HT20)	SISO	2412	-12.19	<=8	Pass
		2437	-11.83	<=8	Pass
		2462	-11.68	<=8	Pass

Note1: Antenna Gain: Ant1: 1.88dBi;

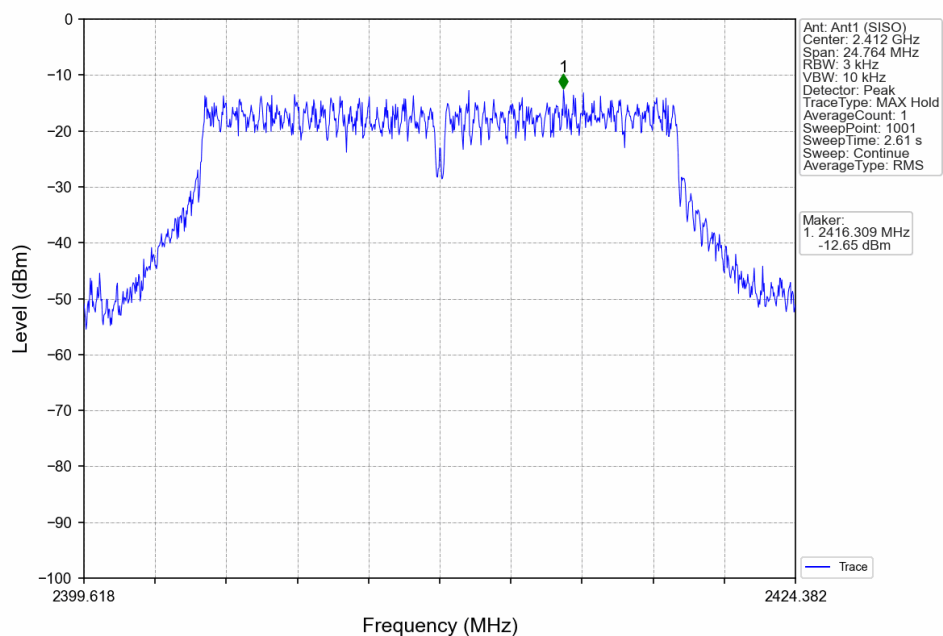
4.1.2 Test Graph



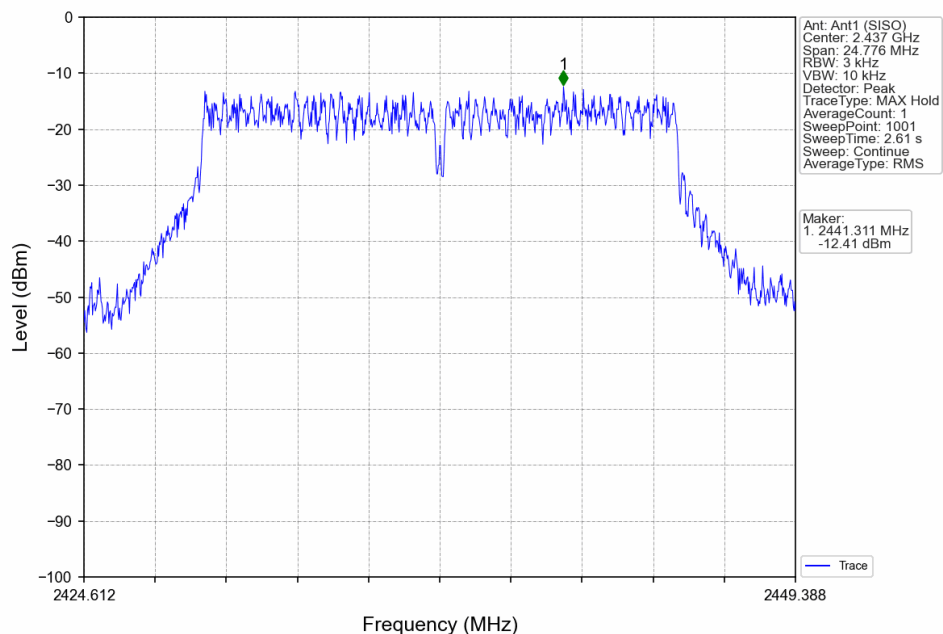
802.11b HCH 2462MHz Ant1 (SISO) NTN



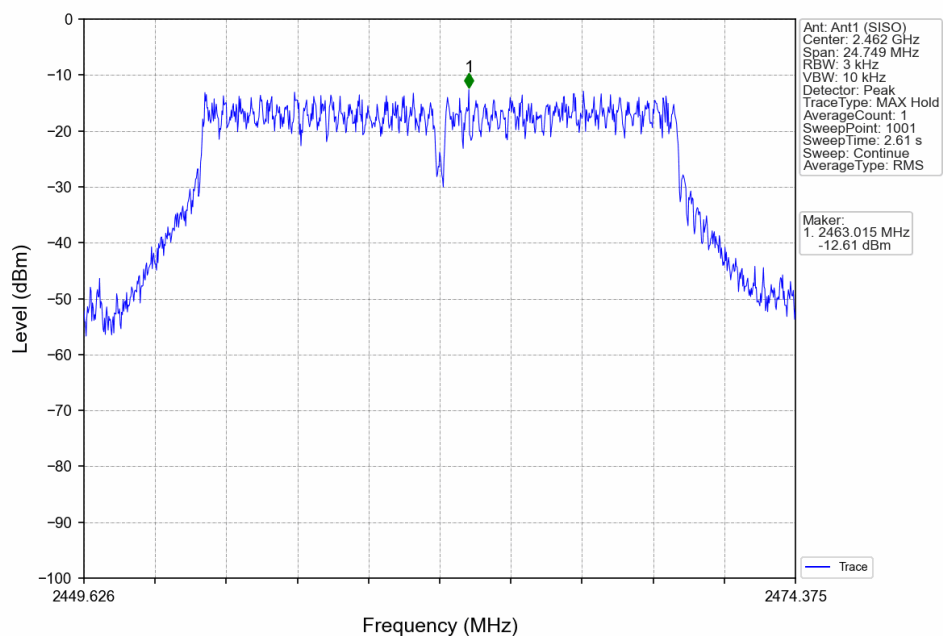
802.11g LCH 2412MHz Ant1 (SISO) NTN



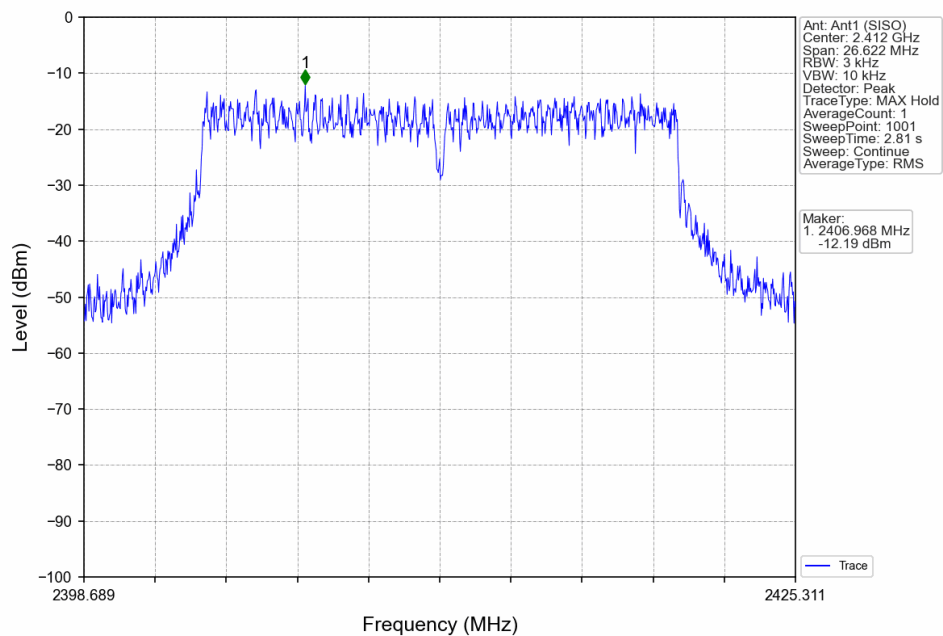
802.11g MCH 2437MHz Ant1 (SISO) NTN



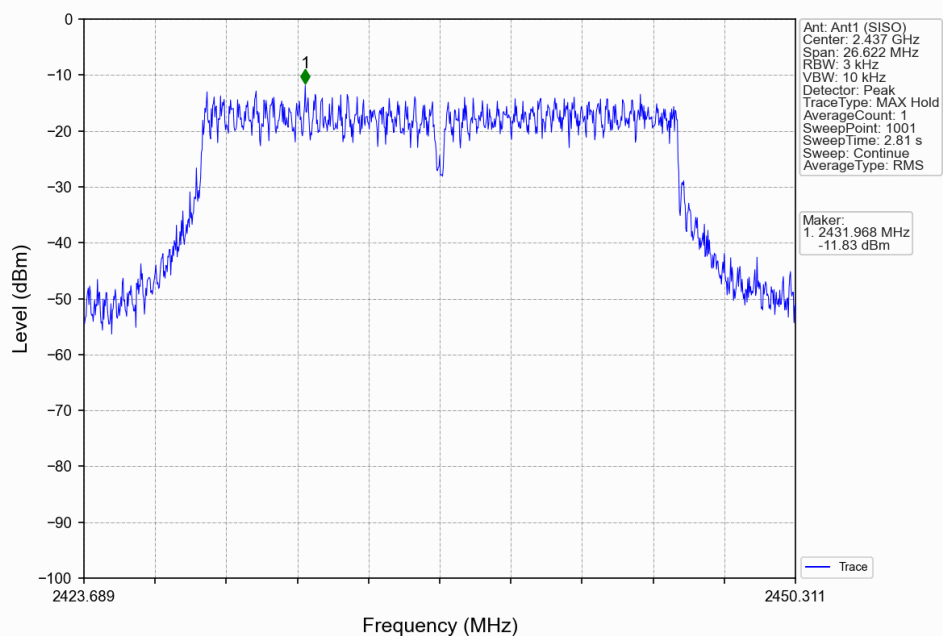
802.11g HCH 2462MHz Ant1 (SISO) NTN

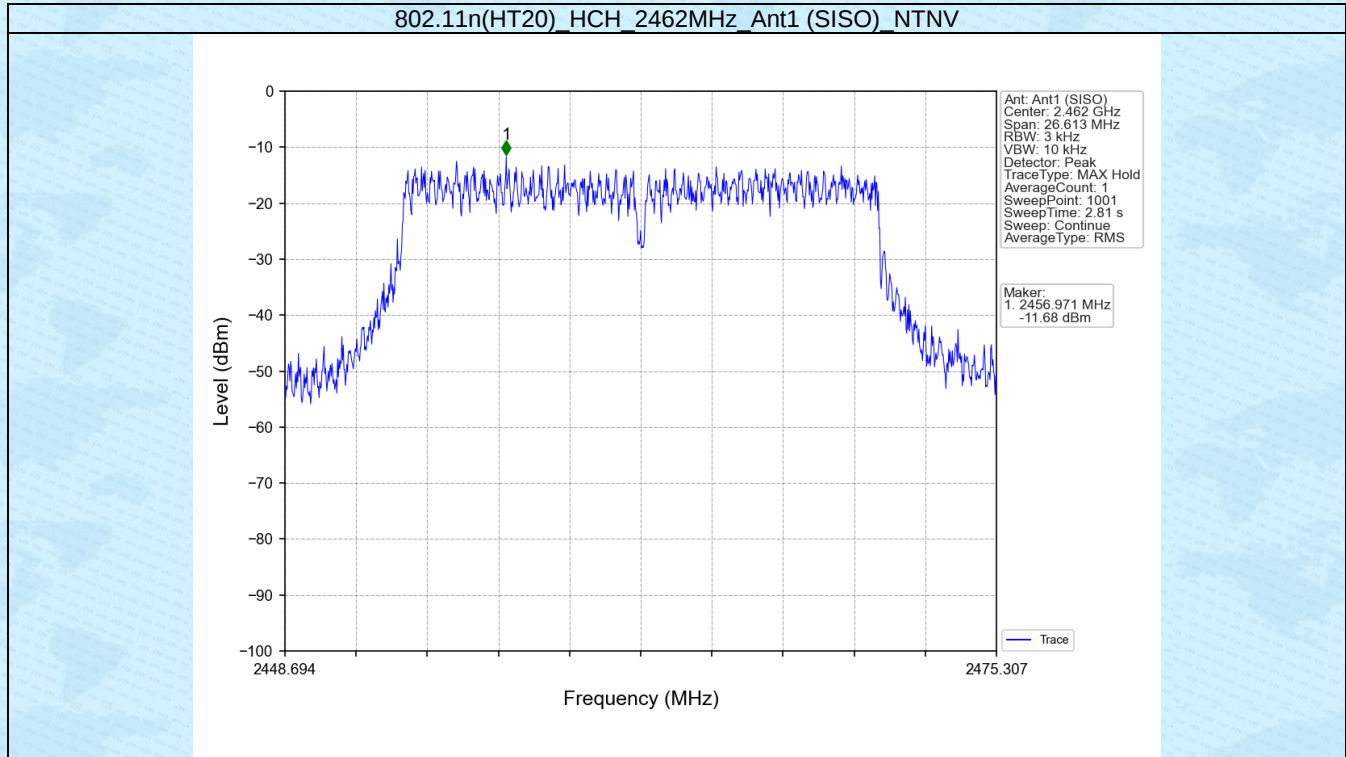


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





5. Unwanted Emissions In Non-restricted Frequency Bands

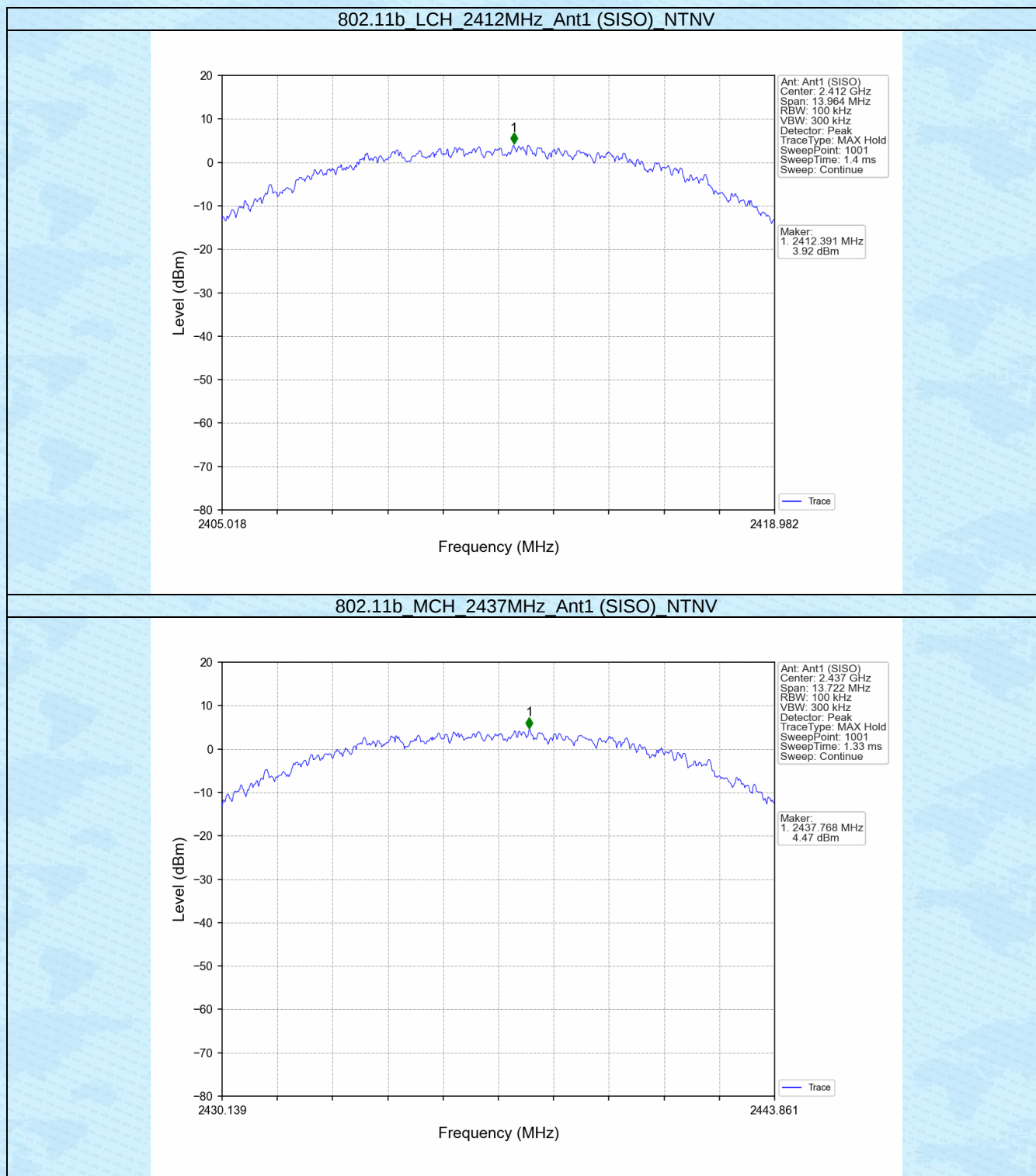
5.1 Ref

5.1.1 Test Result

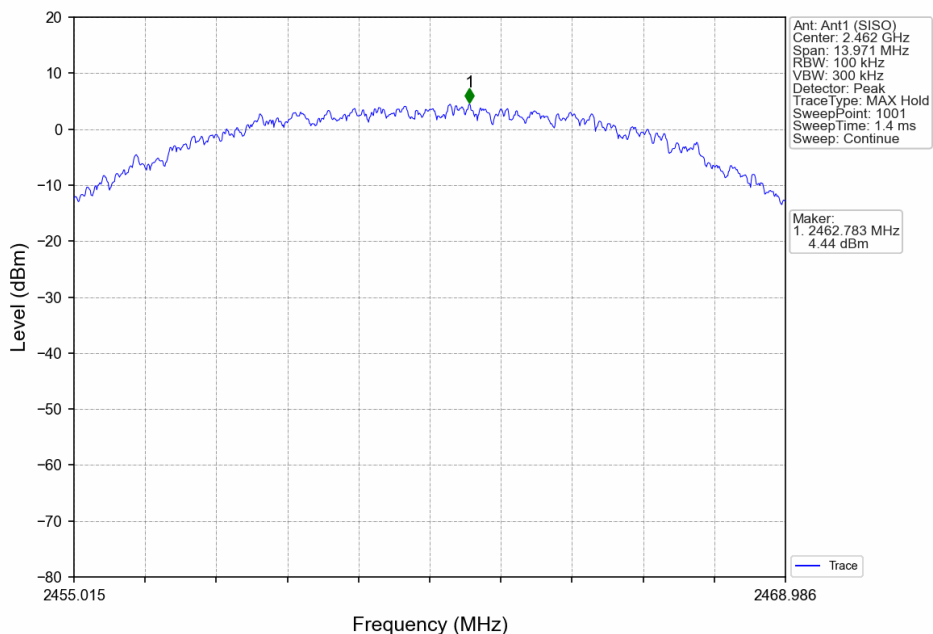
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.92
		2437	1	4.47
		2462	1	4.44
802.11g	SISO	2412	1	1.88
		2437	1	2.28
		2462	1	2.37
802.11n (HT20)	SISO	2412	1	1.89
		2437	1	2.30
		2462	1	2.37

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.

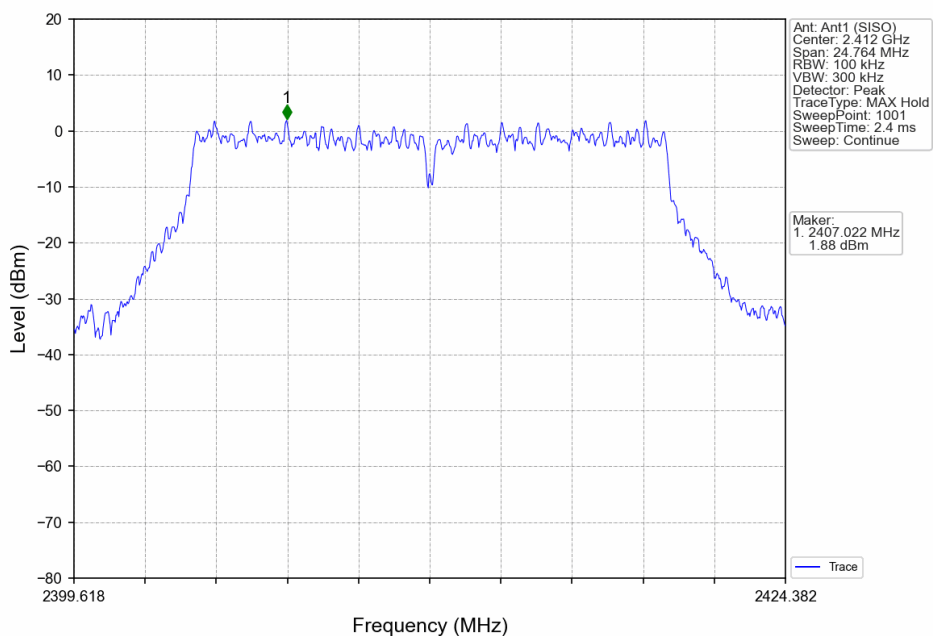
5.1.2 Test Graph



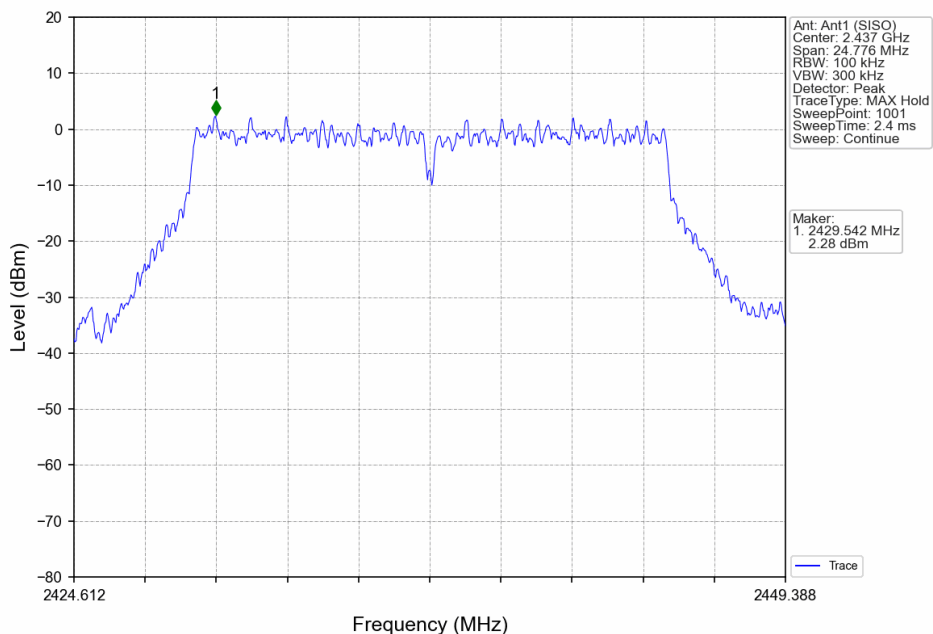
802.11b HCH 2462MHz Ant1 (SISO) NTN



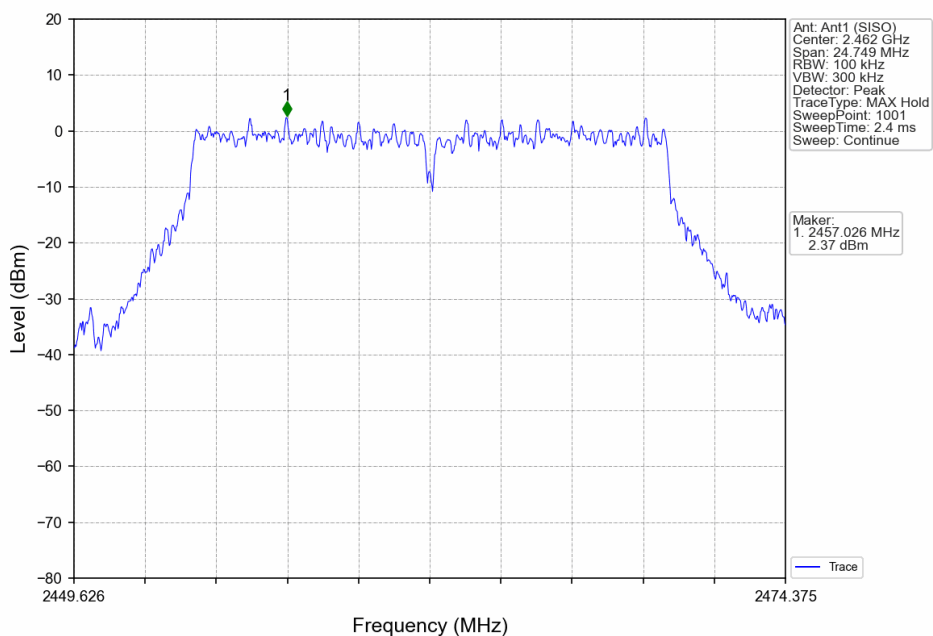
802.11g LCH 2412MHz Ant1 (SISO) NTN



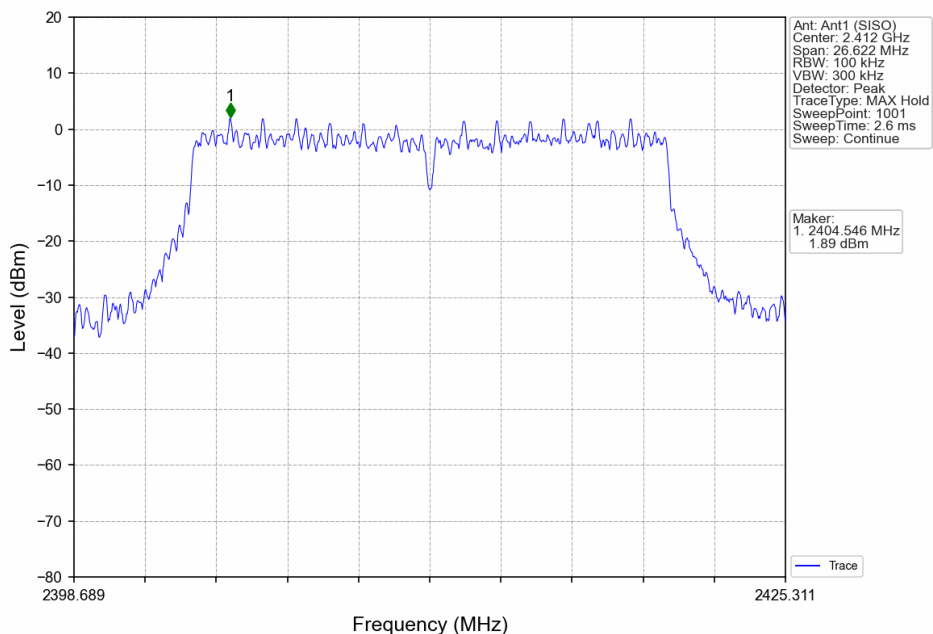
802.11g MCH 2437MHz Ant1 (SISO) NTN



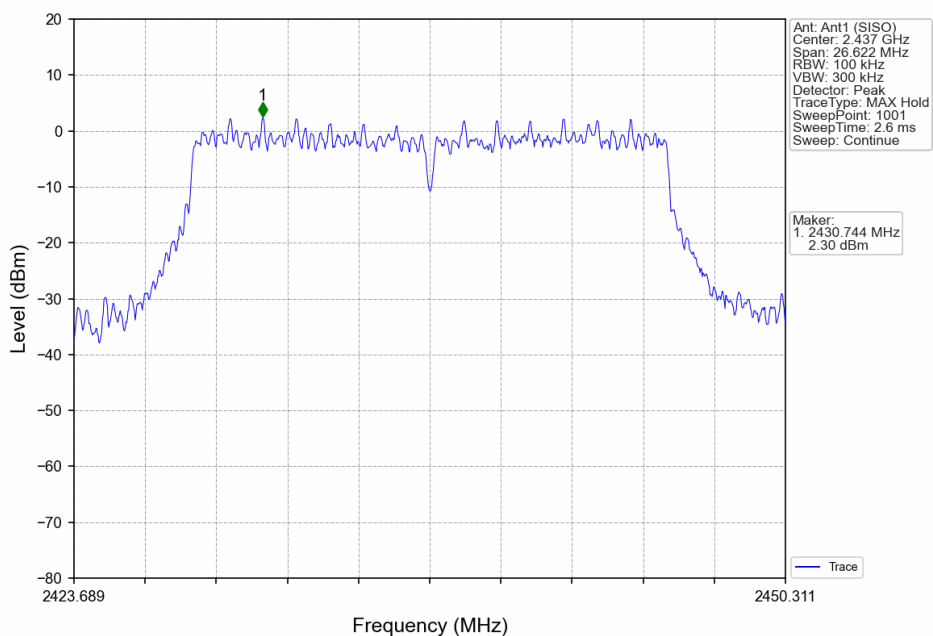
802.11g HCH 2462MHz Ant1 (SISO) NTN

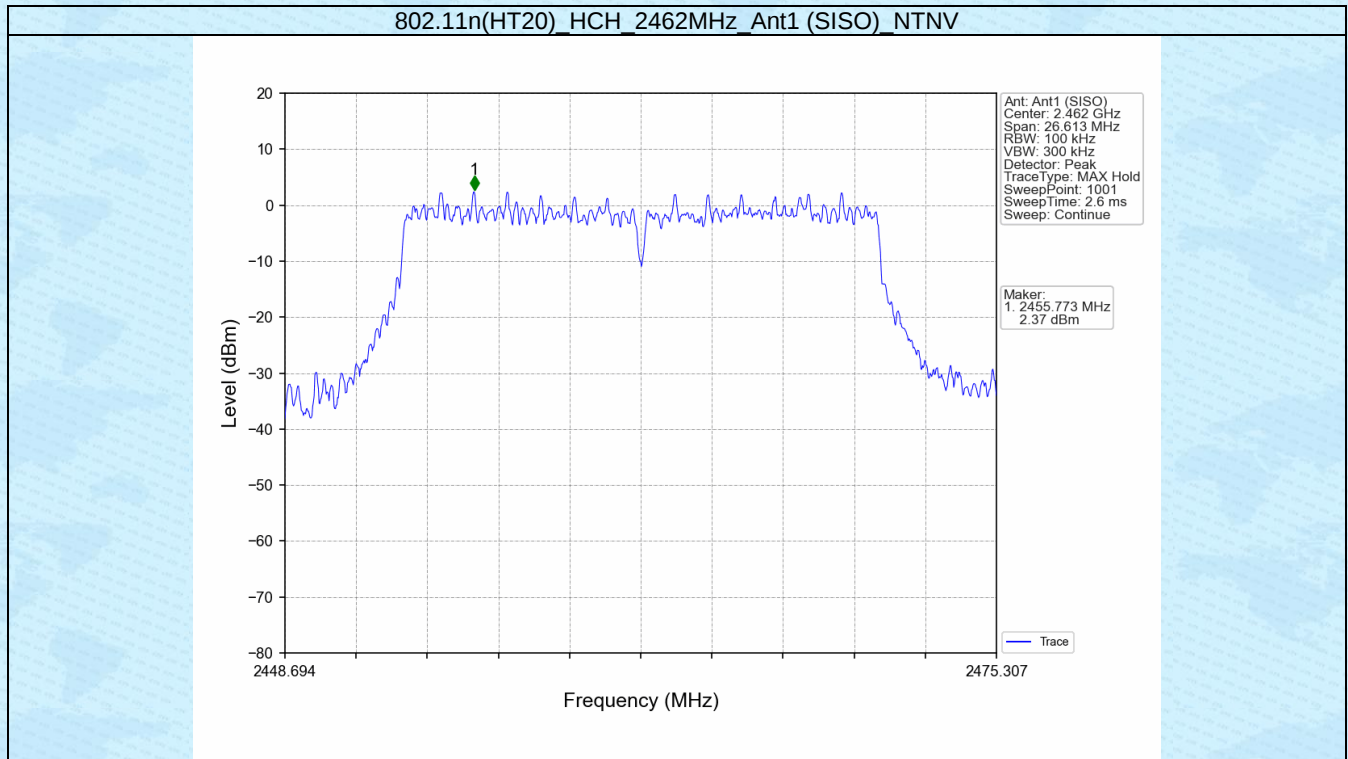


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





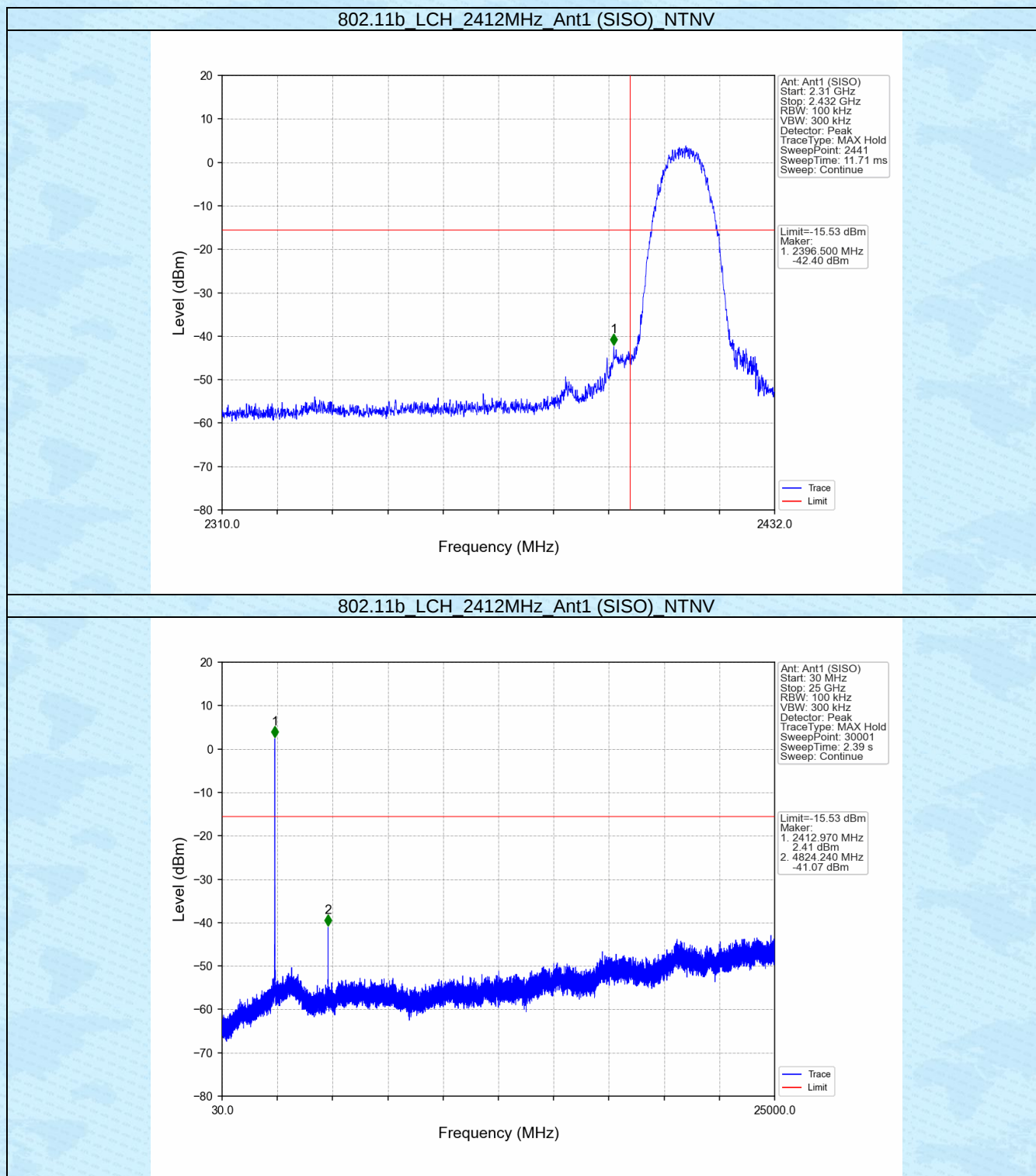
5.2 CSE

5.2.1 Test Result

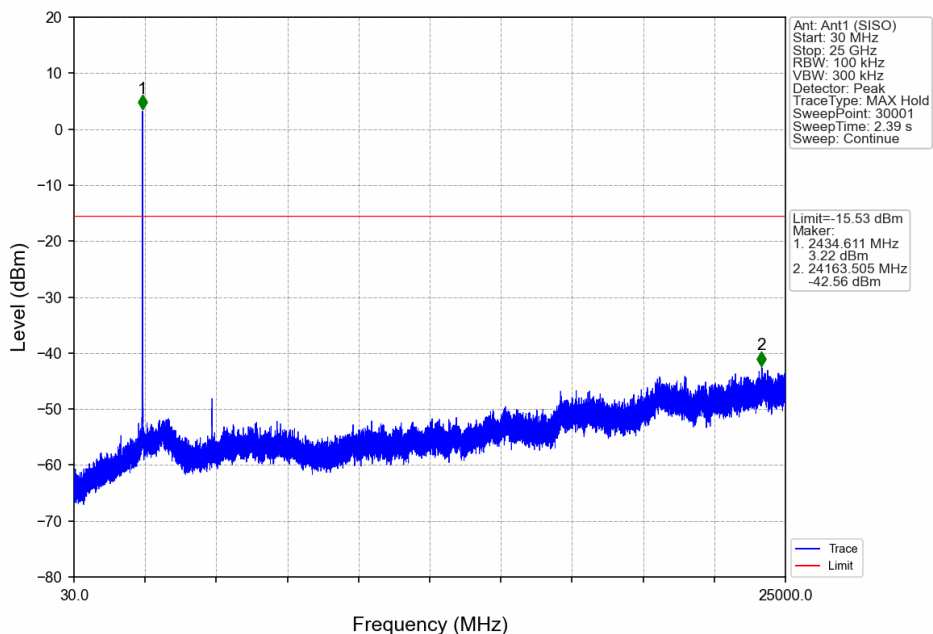
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.47	-15.53	Pass
		2437	1	4.47	-15.53	Pass
		2462	1	4.47	-15.53	Pass
802.11g	SISO	2412	1	2.37	-17.63	Pass
		2437	1	2.37	-17.63	Pass
		2462	1	2.37	-17.63	Pass
802.11n (HT20)	SISO	2412	1	2.37	-17.63	Pass
		2437	1	2.37	-17.63	Pass
		2462	1	2.37	-17.63	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.

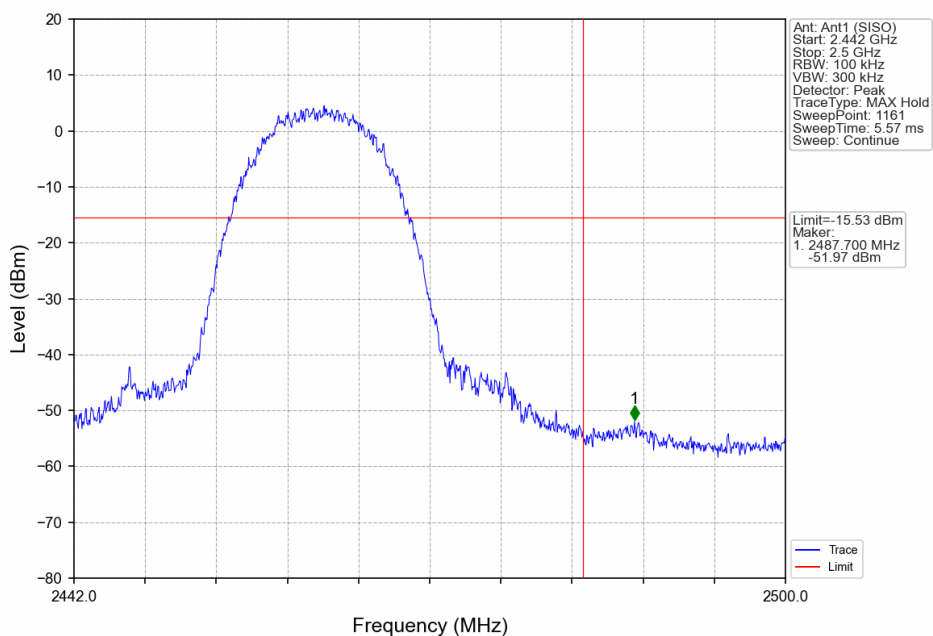
5.2.2 Test Graph



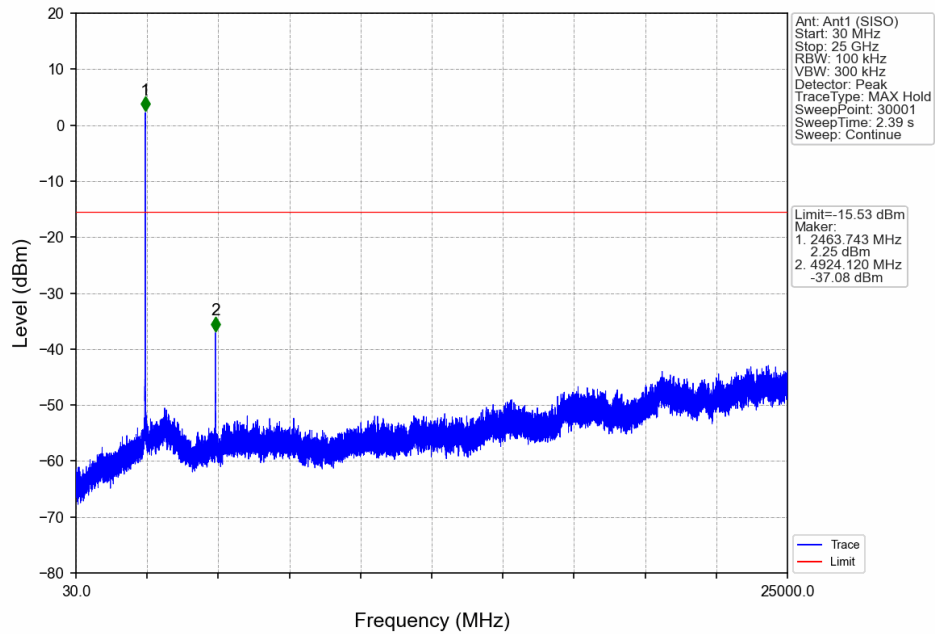
802.11b MCH 2437MHz_Ant1 (SISO) _NTNV



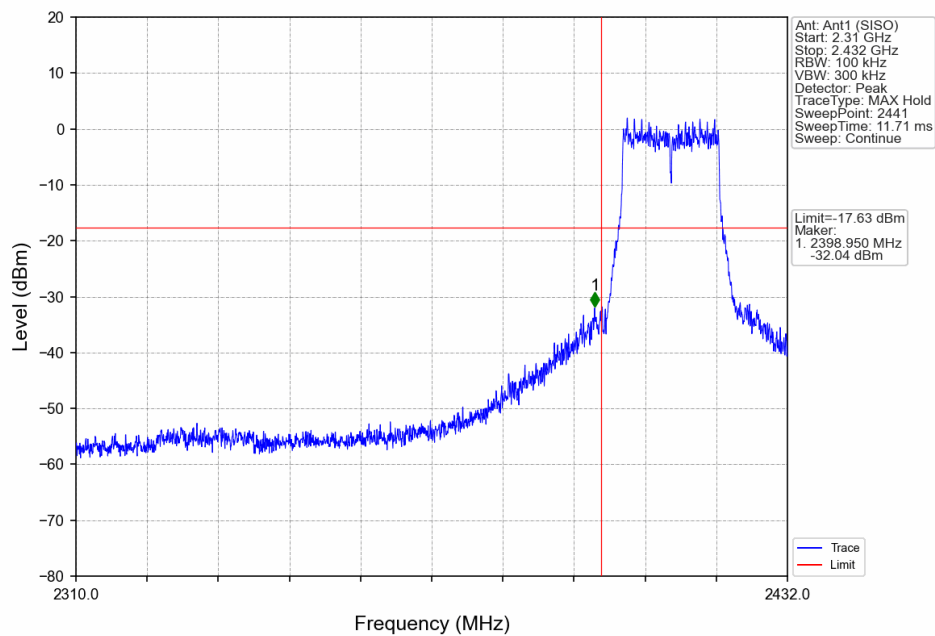
802.11b HCH 2462MHz_Ant1 (SISO) _NTNV



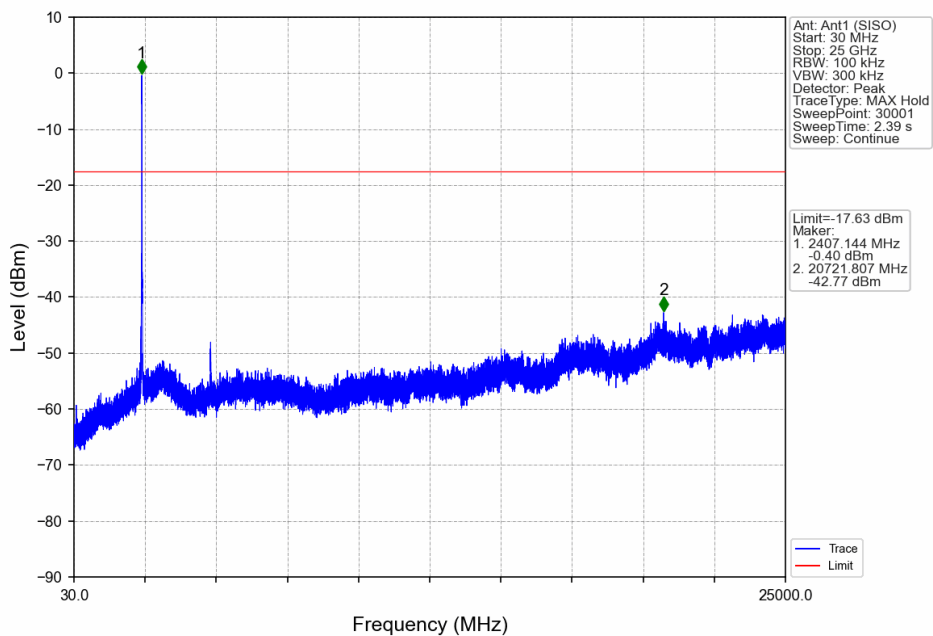
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



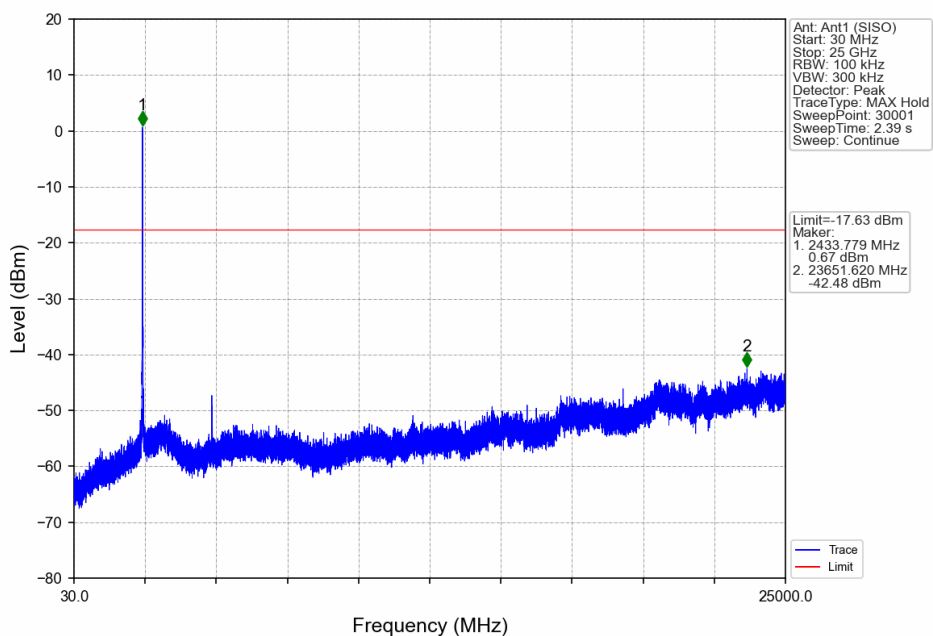
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



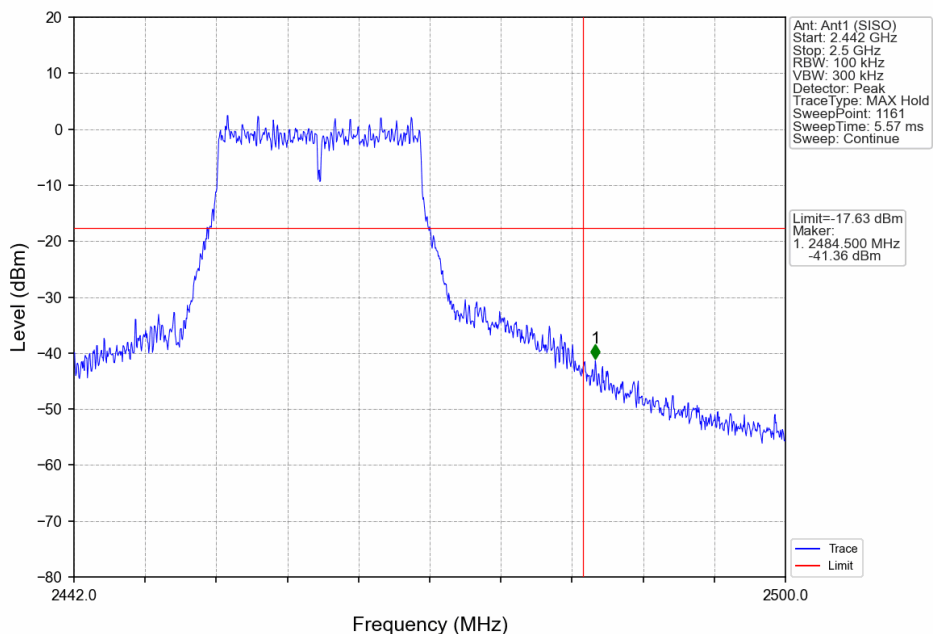
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



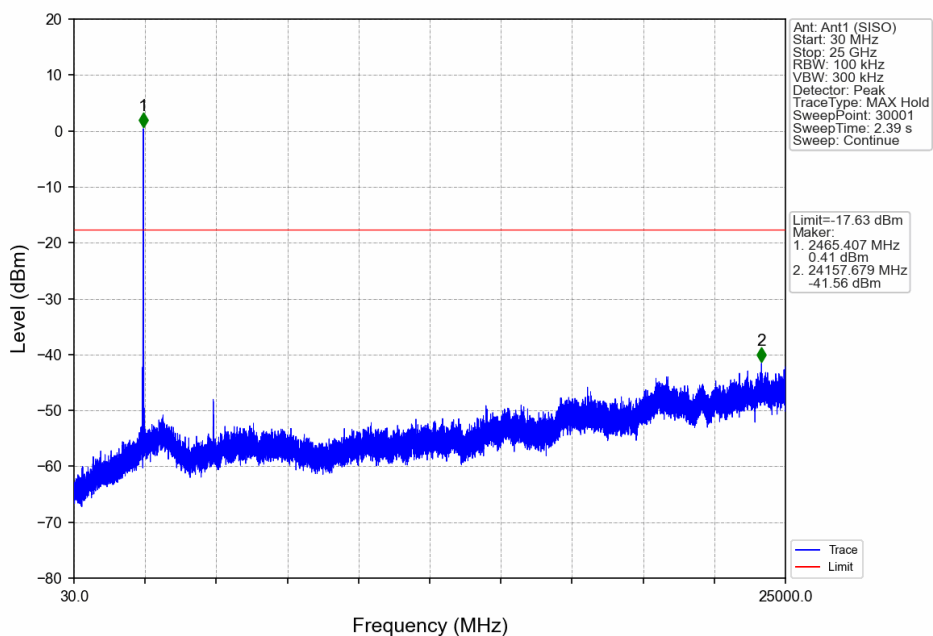
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



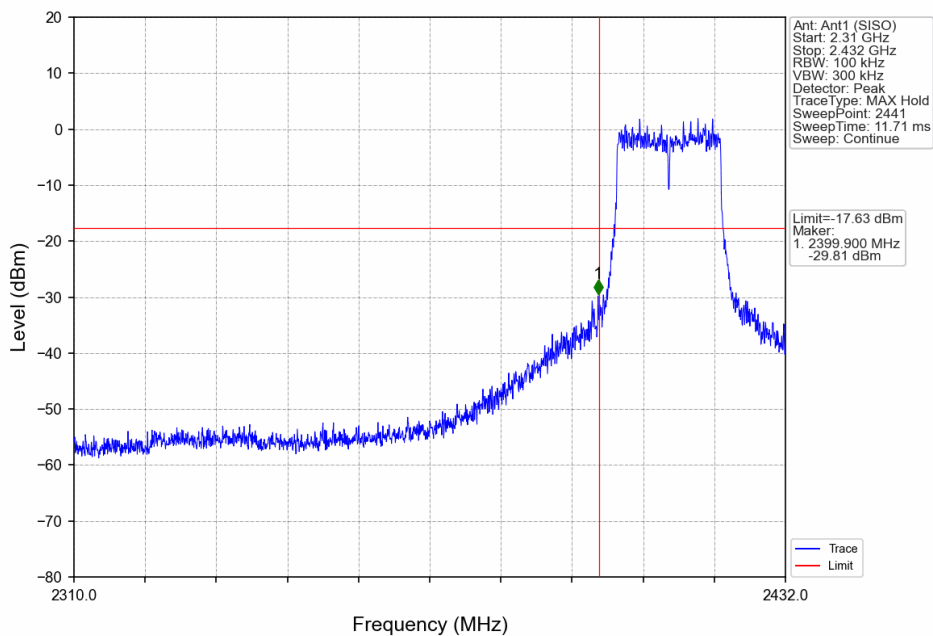
802.11g HCH 2462MHz Ant1 (SISO) NTN



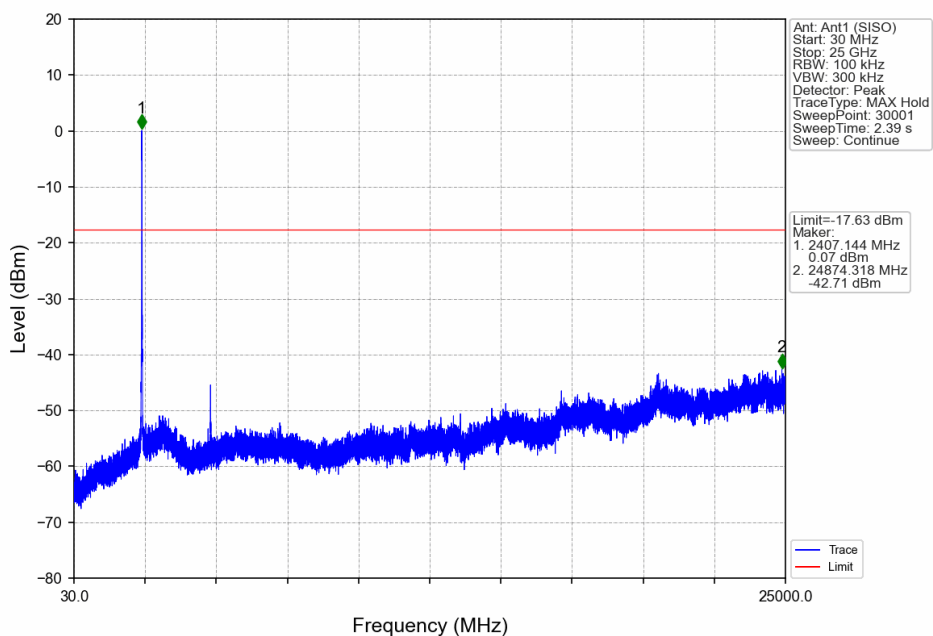
802.11g HCH 2462MHz Ant1 (SISO) NTN



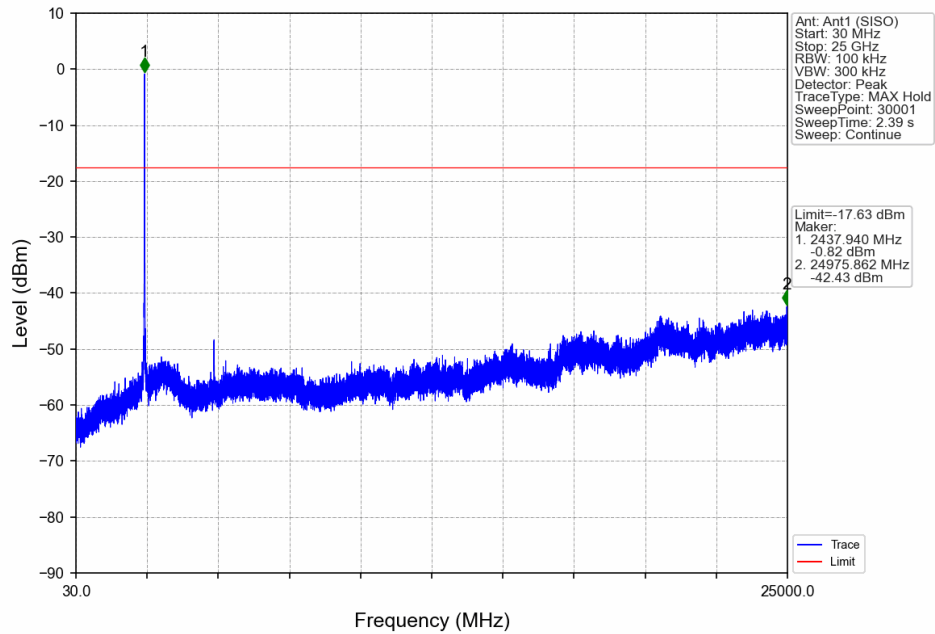
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



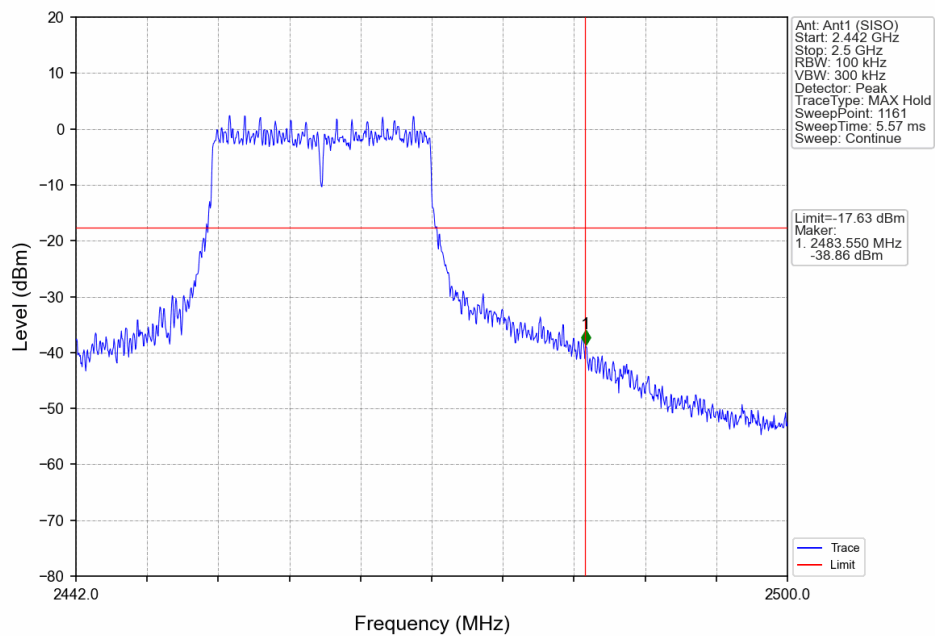
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

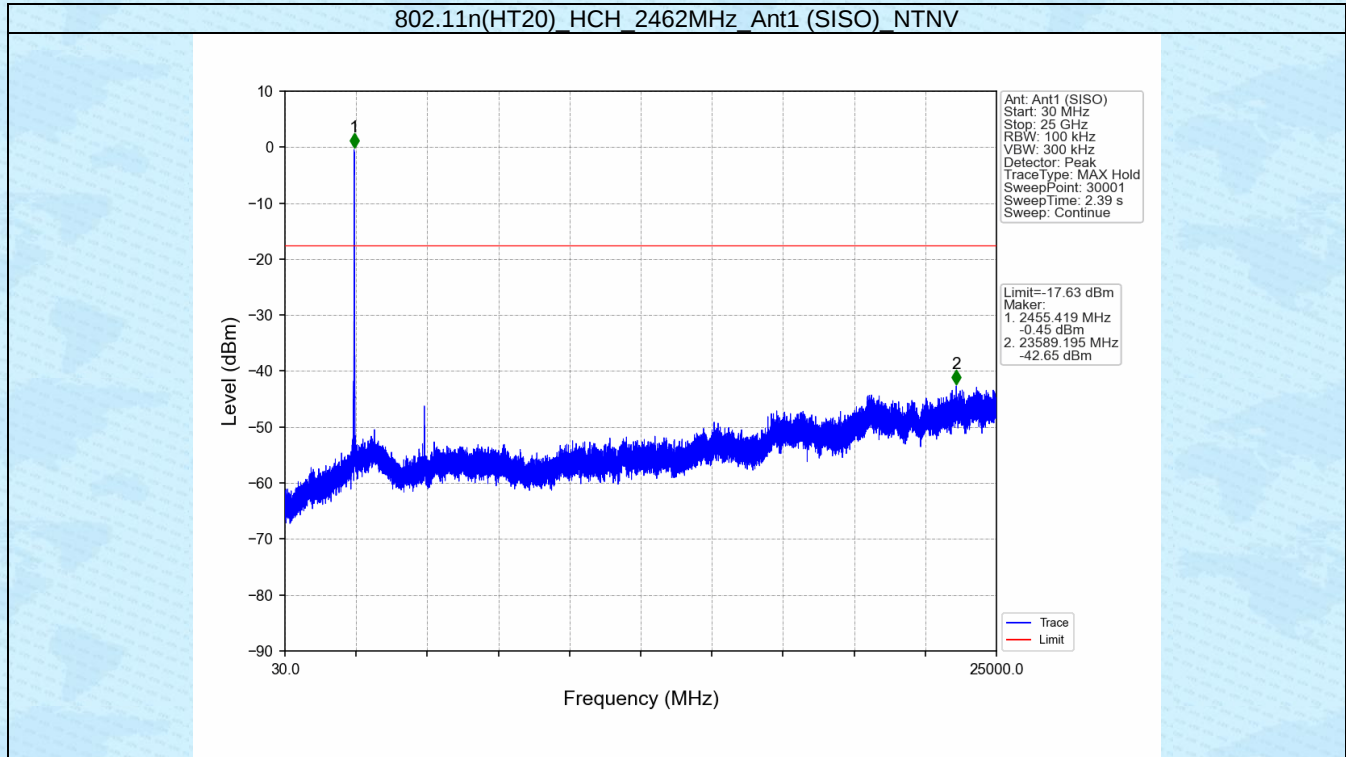


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV





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