

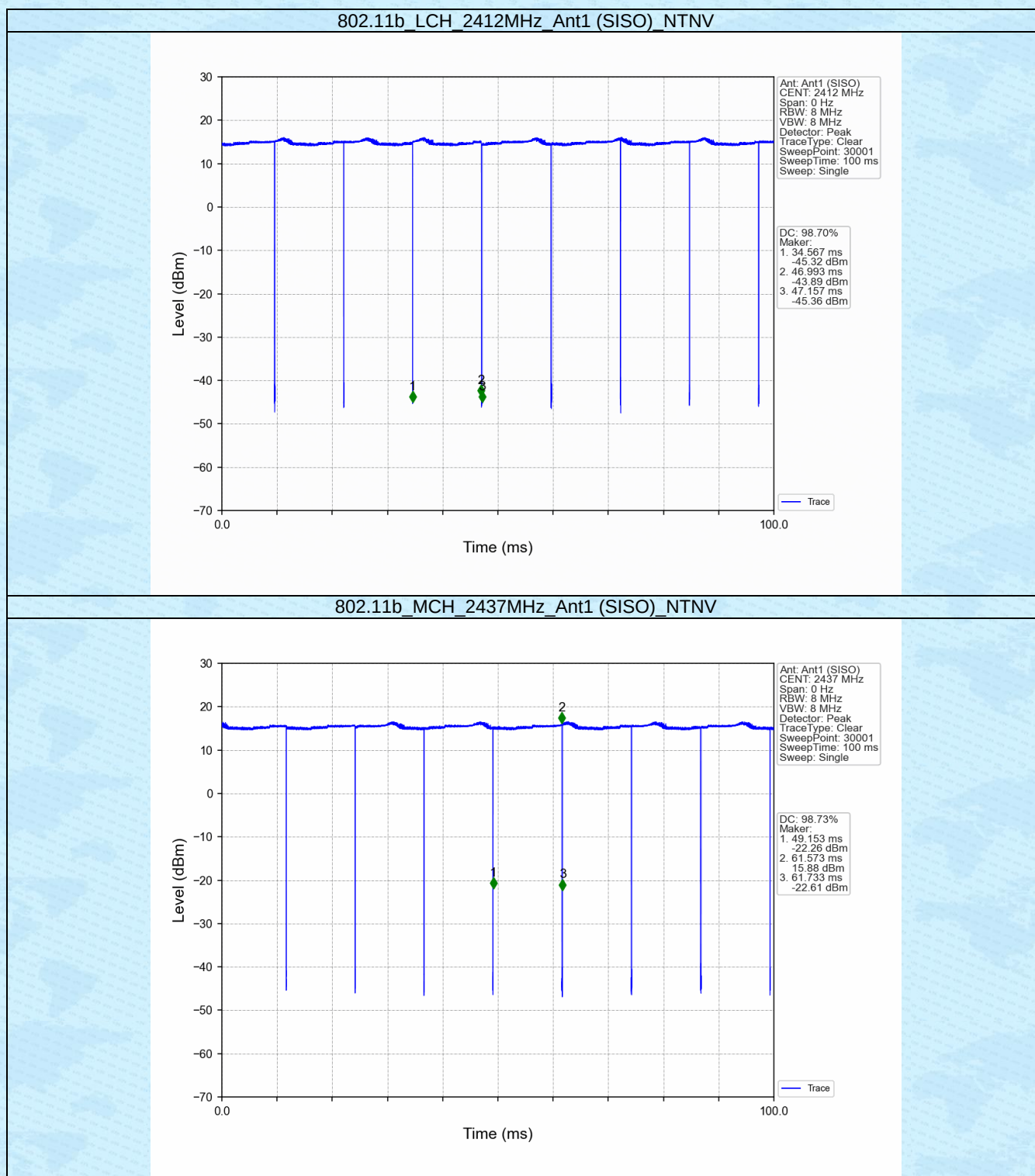
1. Duty Cycle

1.1 Ant1

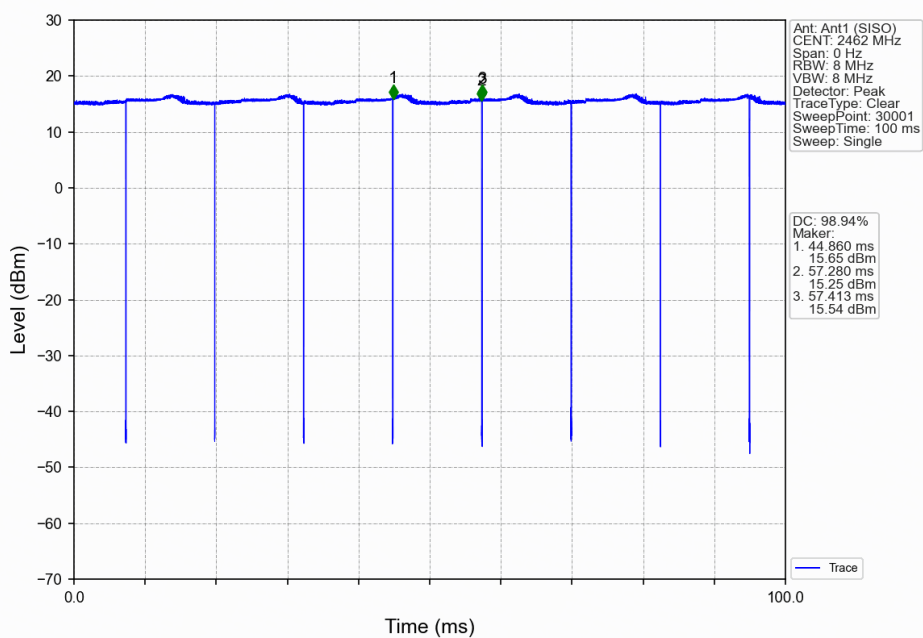
1.1.1 Test Result

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	12.426	12.590	98.70	0.06	1.06
		2437	12.420	12.580	98.73	0.06	0.84
		2462	12.420	12.553	98.94	0.05	0.63
802.11g	SISO	2412	2.065	2.235	92.39	0.34	5.50
		2437	2.065	2.235	92.39	0.34	4.72
		2462	2.071	2.199	94.18	0.26	4.03
802.11n (HT20)	SISO	2412	1.921	2.091	91.87	0.37	5.46
		2437	1.922	2.092	91.87	0.37	5.46
		2462	1.930	2.073	93.10	0.31	4.64
802.11n (HT40)	SISO	2422	0.945	1.088	86.86	0.61	6.99
		2437	0.950	1.115	85.20	0.70	11.71
		2452	0.945	1.088	86.86	0.61	8.70

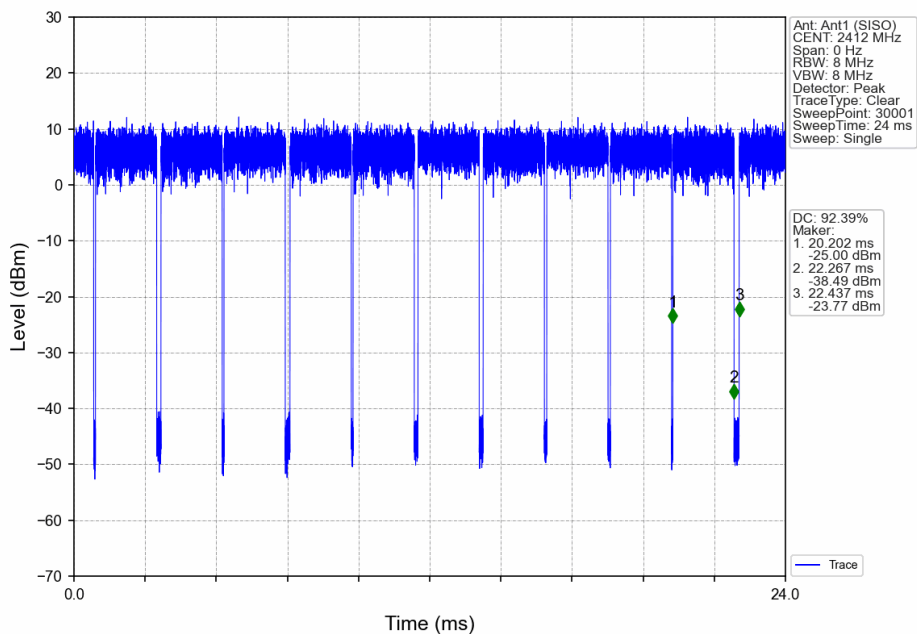
1.1.2 Test Graph



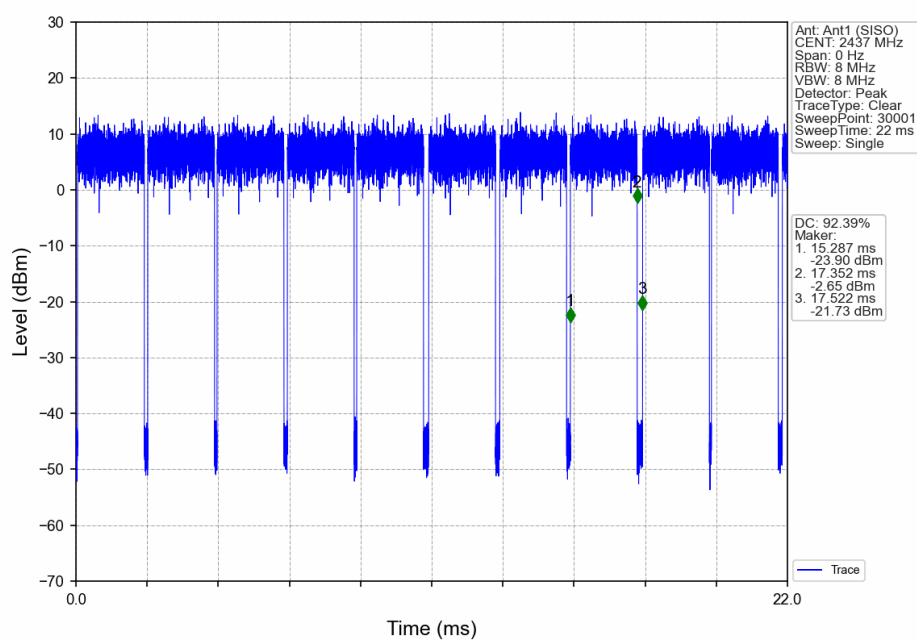
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



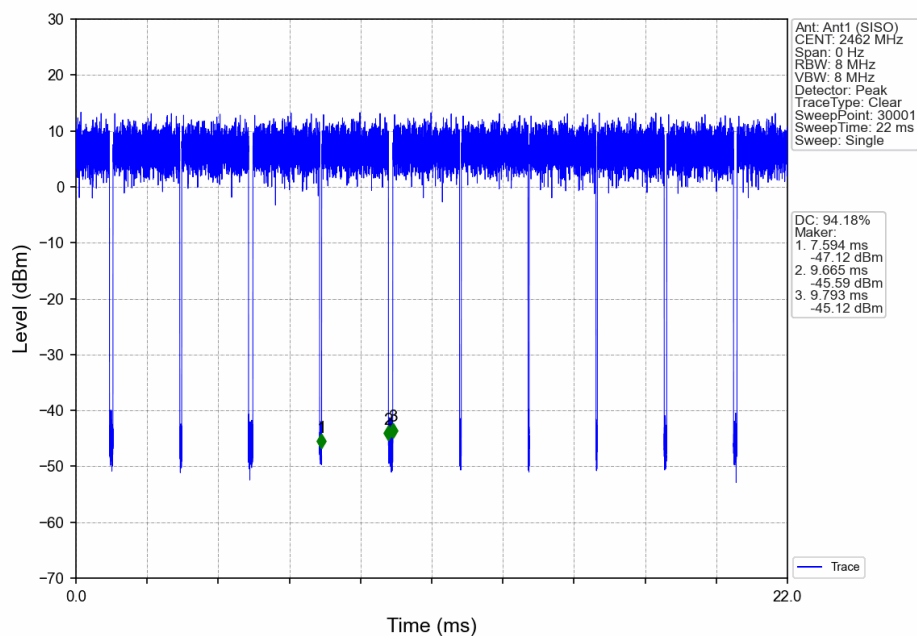
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



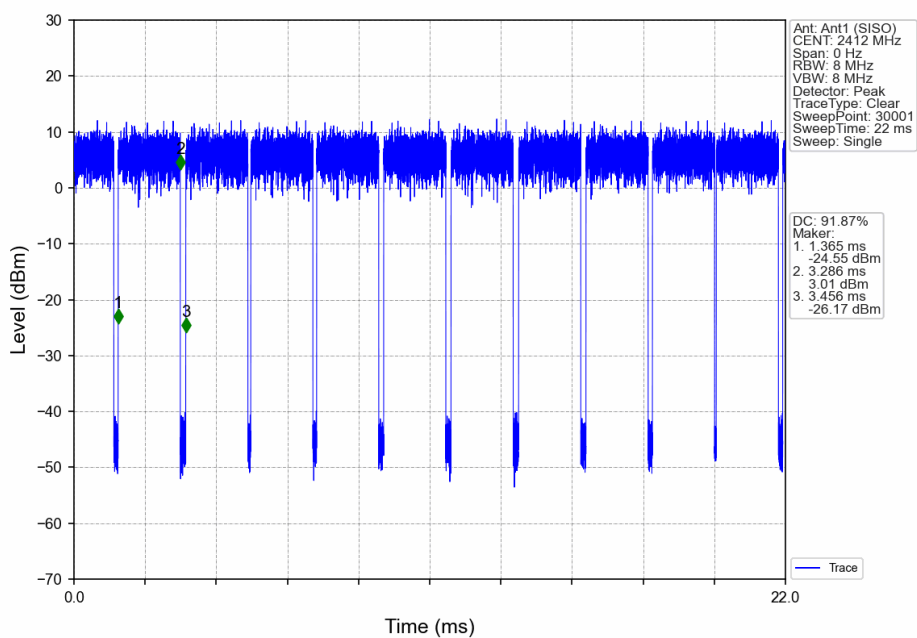
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



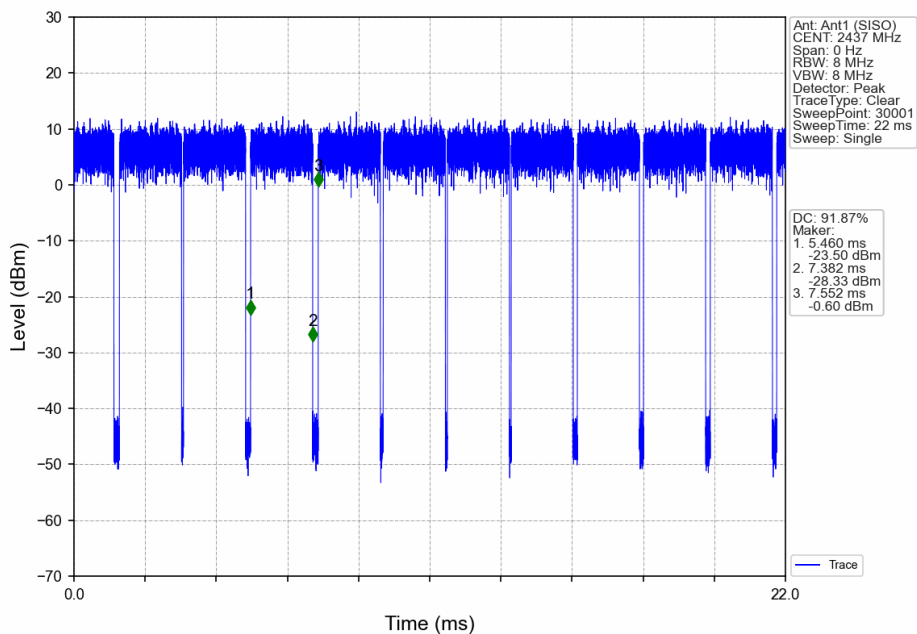
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



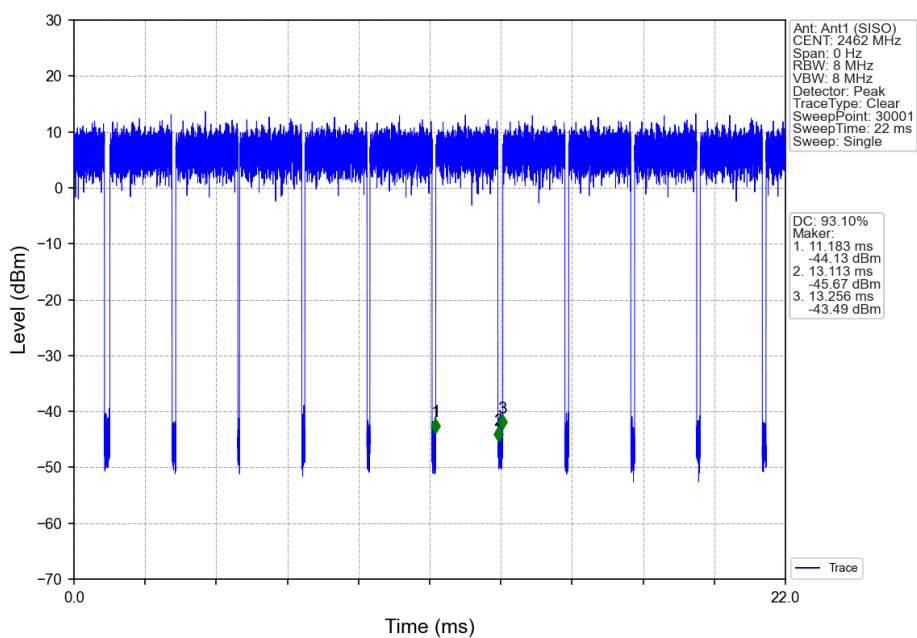
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



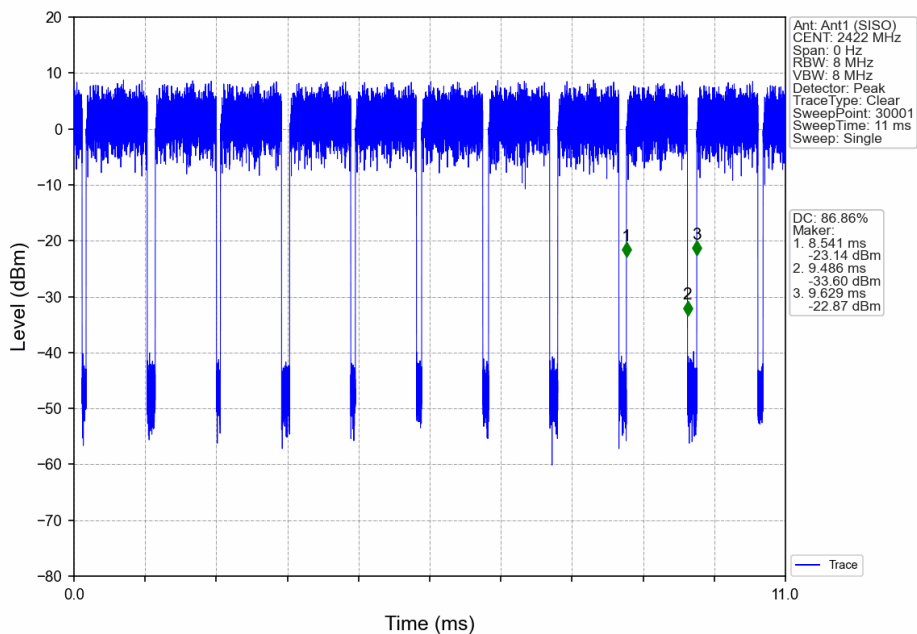
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



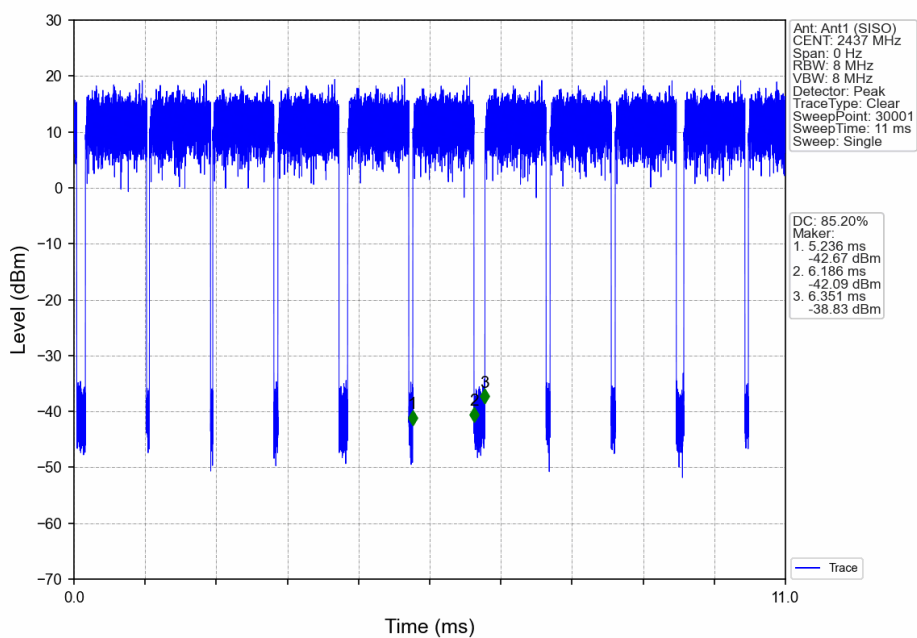
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



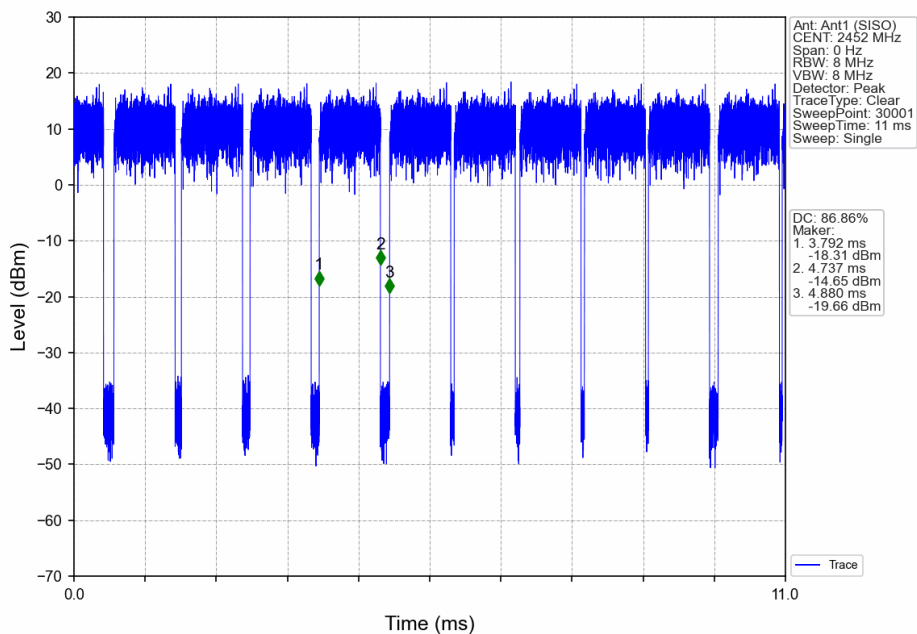
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



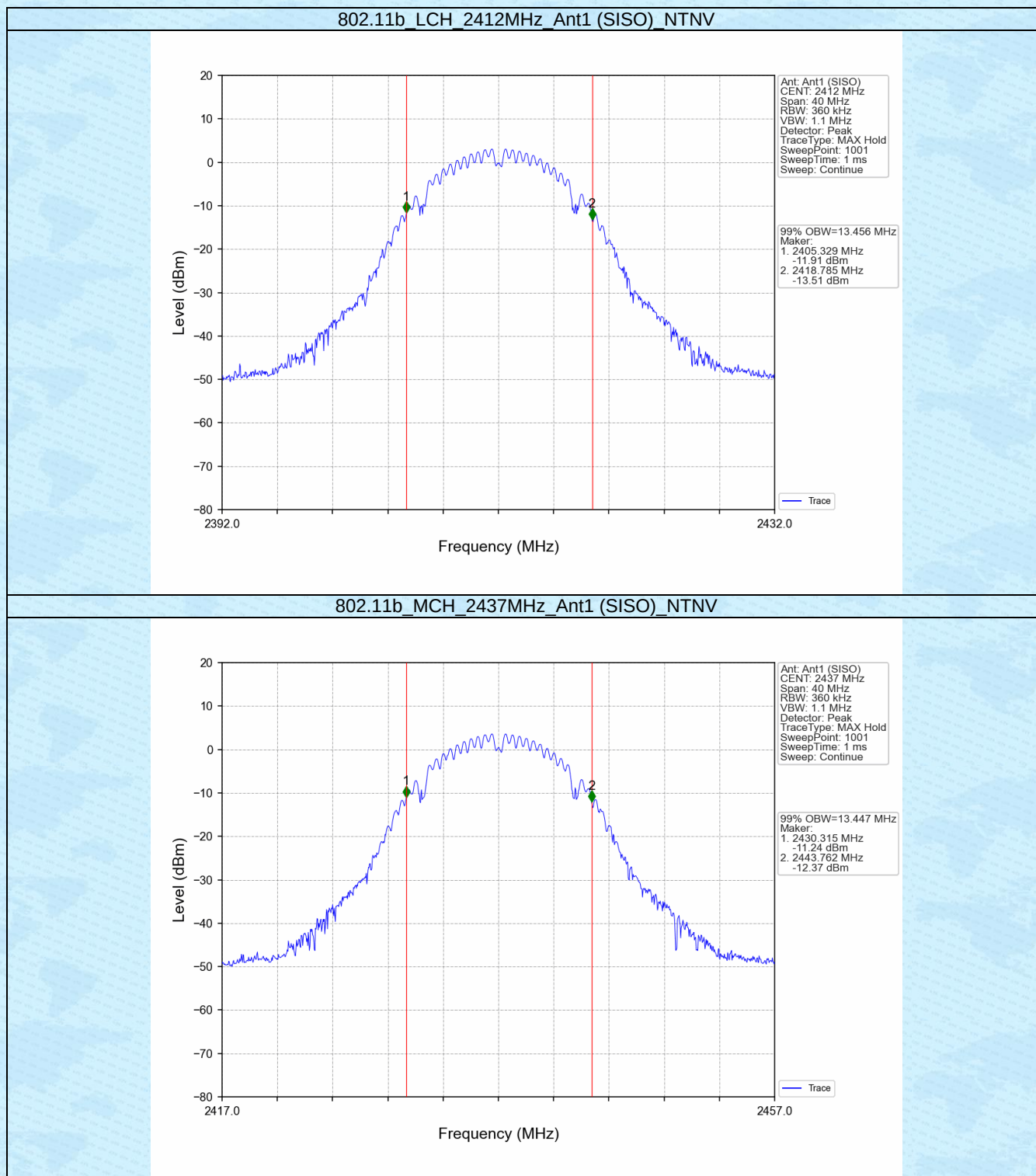
2. Bandwidth

2.1 OBW

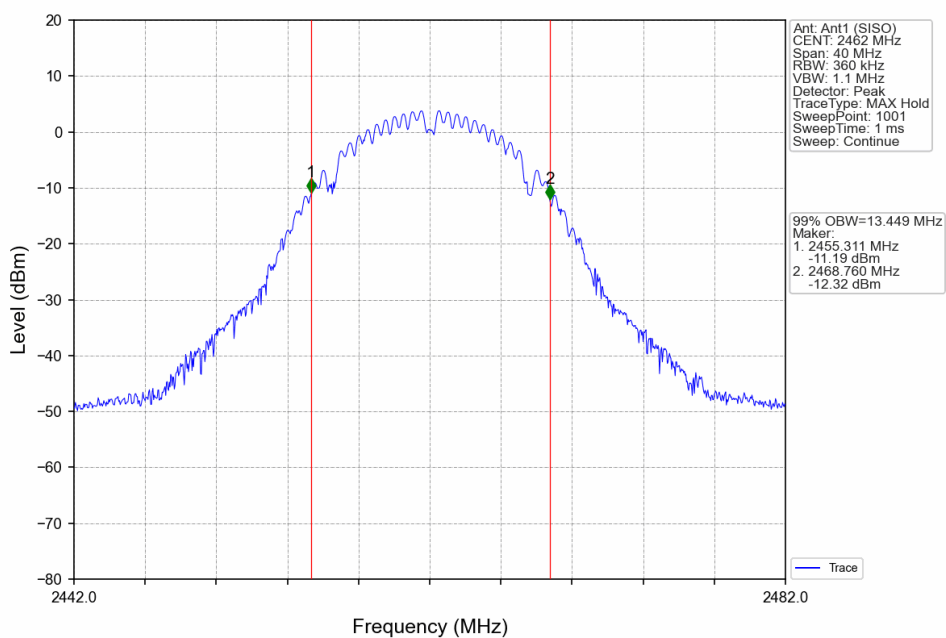
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.456	Pass
		2437	1	13.447	Pass
		2462	1	13.449	Pass
802.11g	SISO	2412	1	17.566	Pass
		2437	1	17.540	Pass
		2462	1	17.704	Pass
802.11n (HT20)	SISO	2412	1	18.380	Pass
		2437	1	18.450	Pass
		2462	1	18.386	Pass
802.11n (HT40)	SISO	2422	1	36.608	Pass
		2437	1	36.838	Pass
		2452	1	36.778	Pass

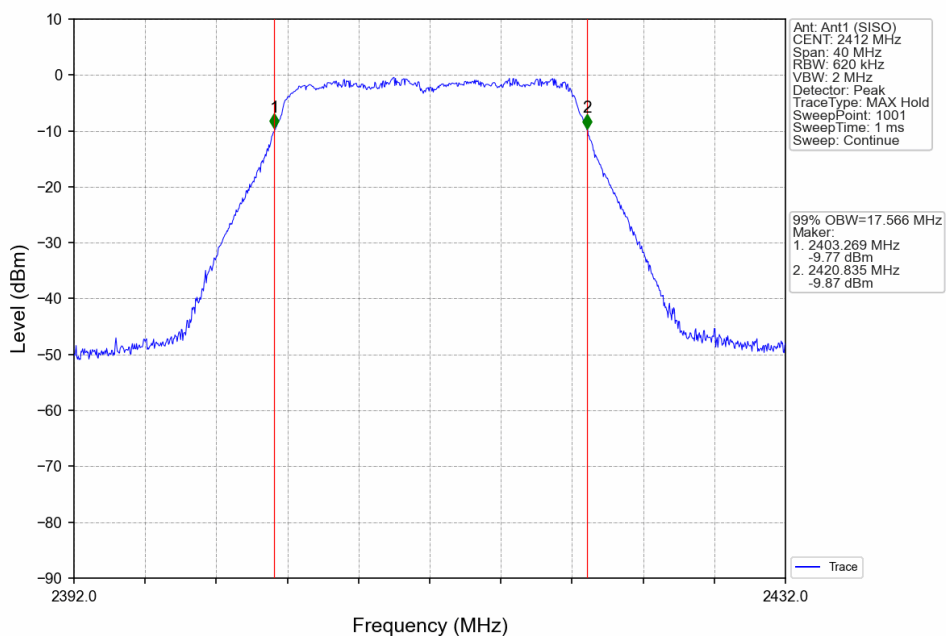
2.1.2 Test Graph



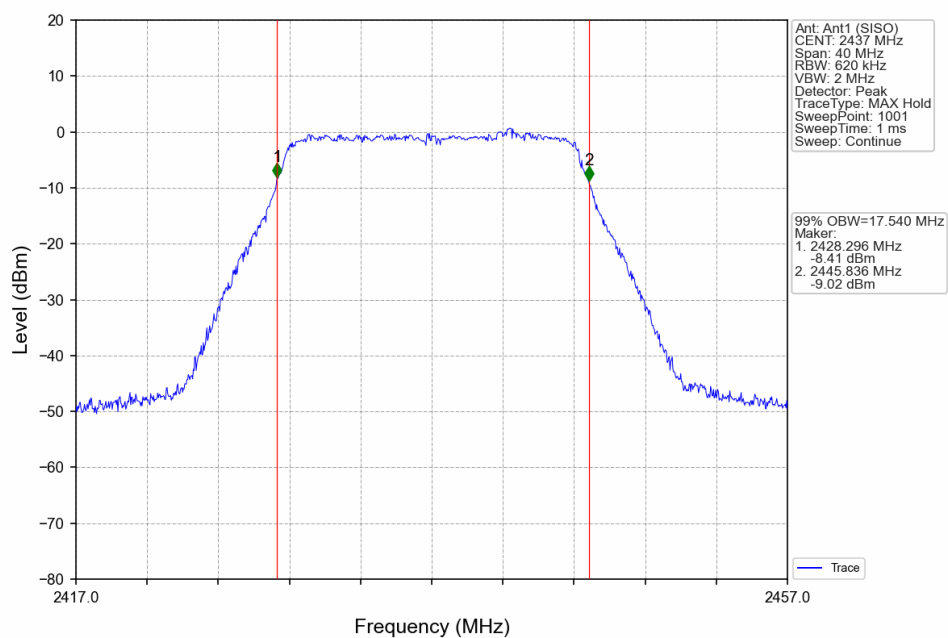
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



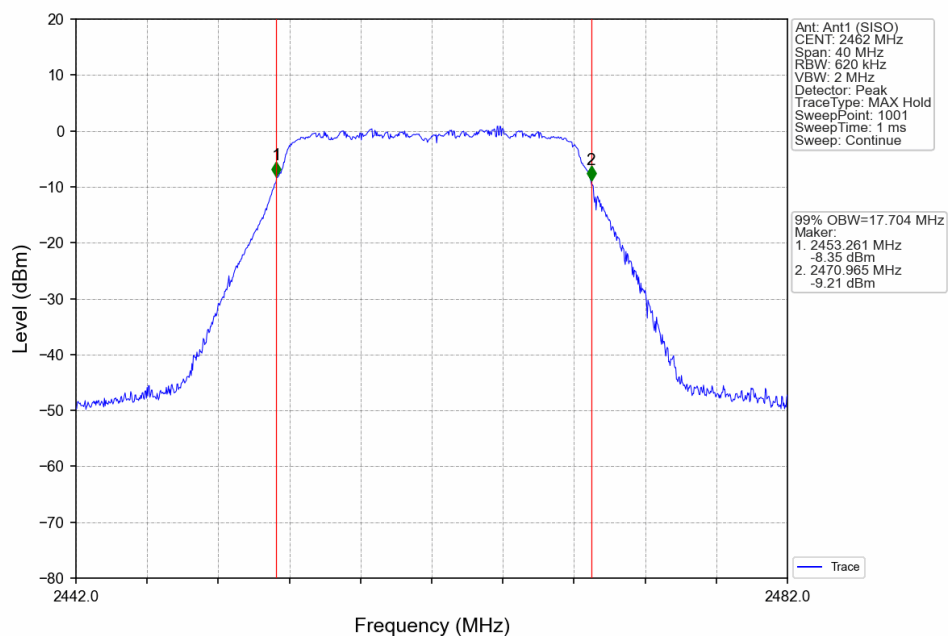
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



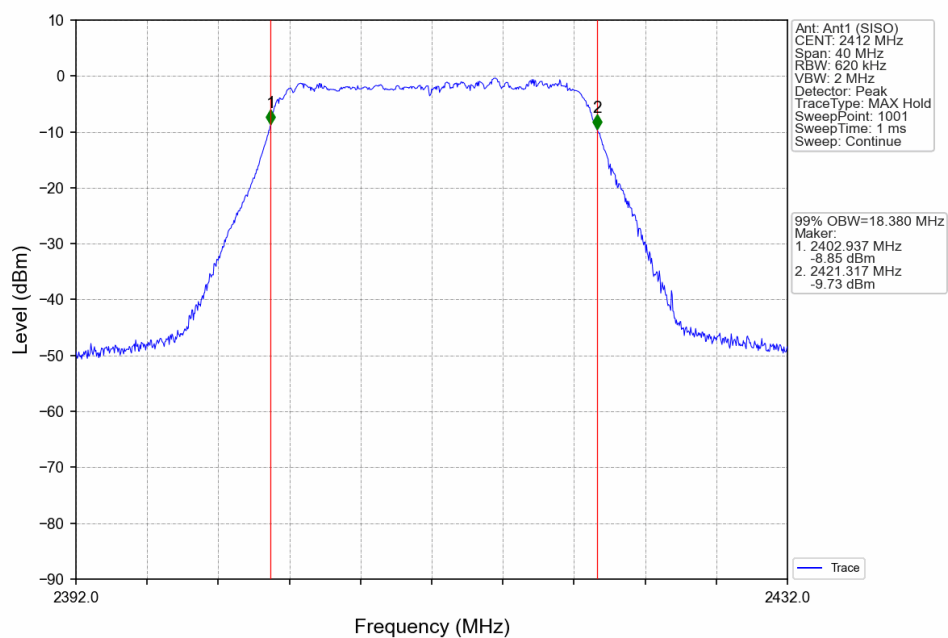
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



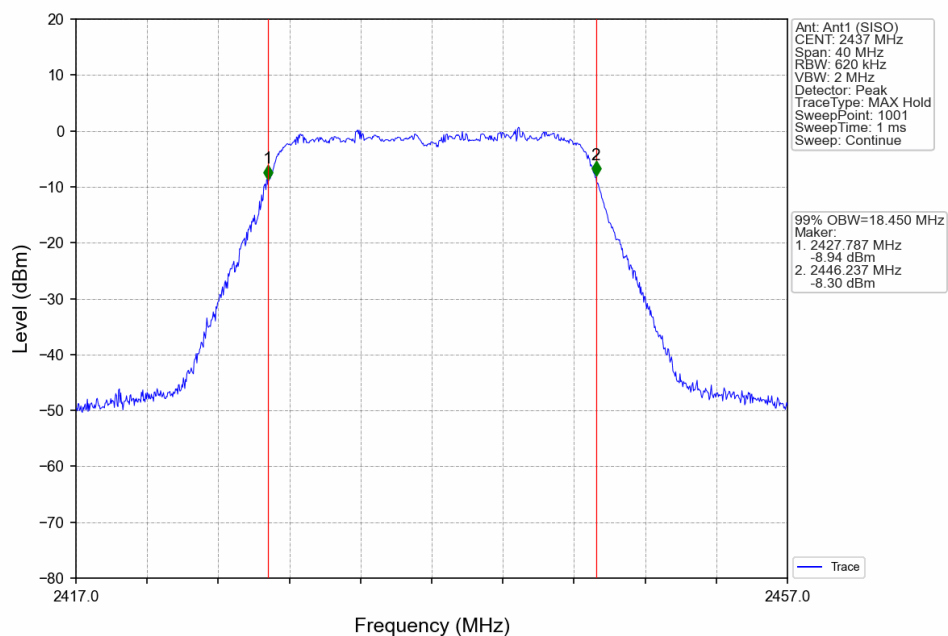
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



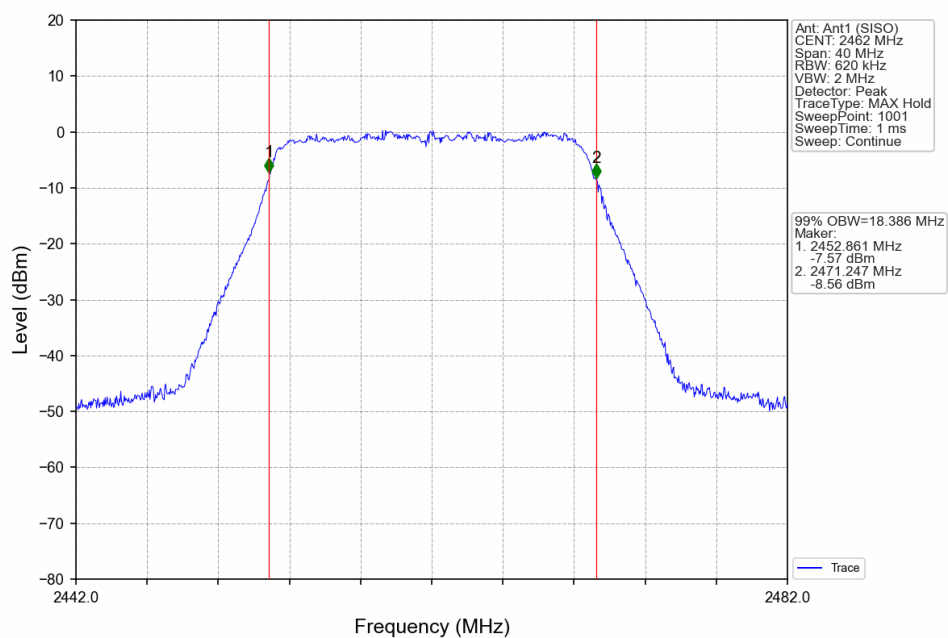
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



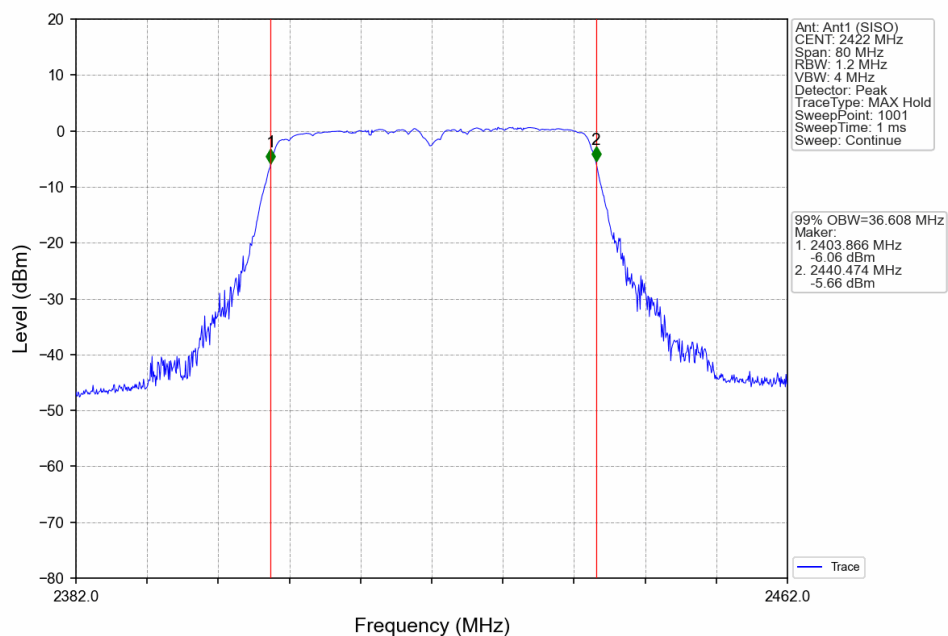
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



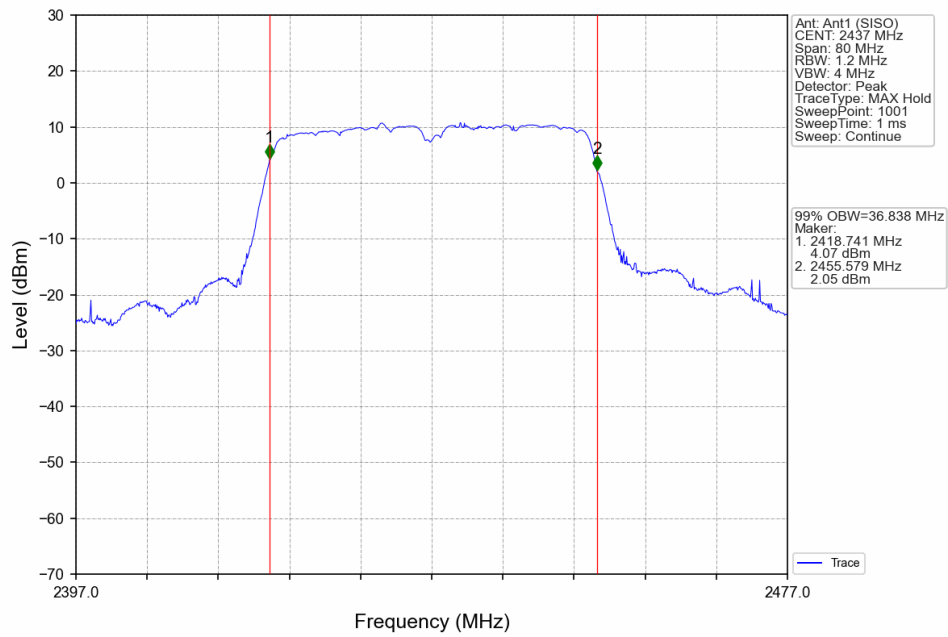
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



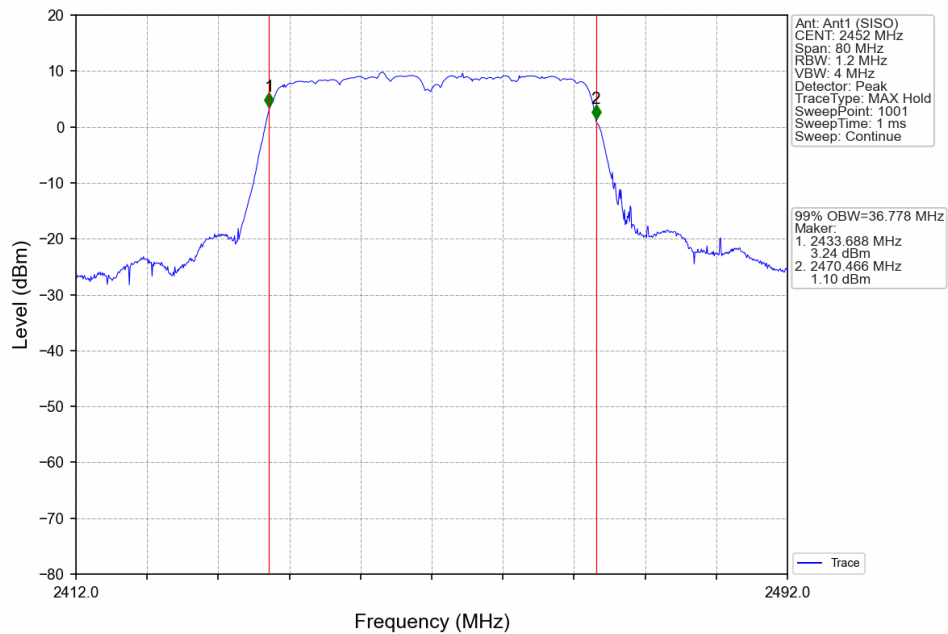
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

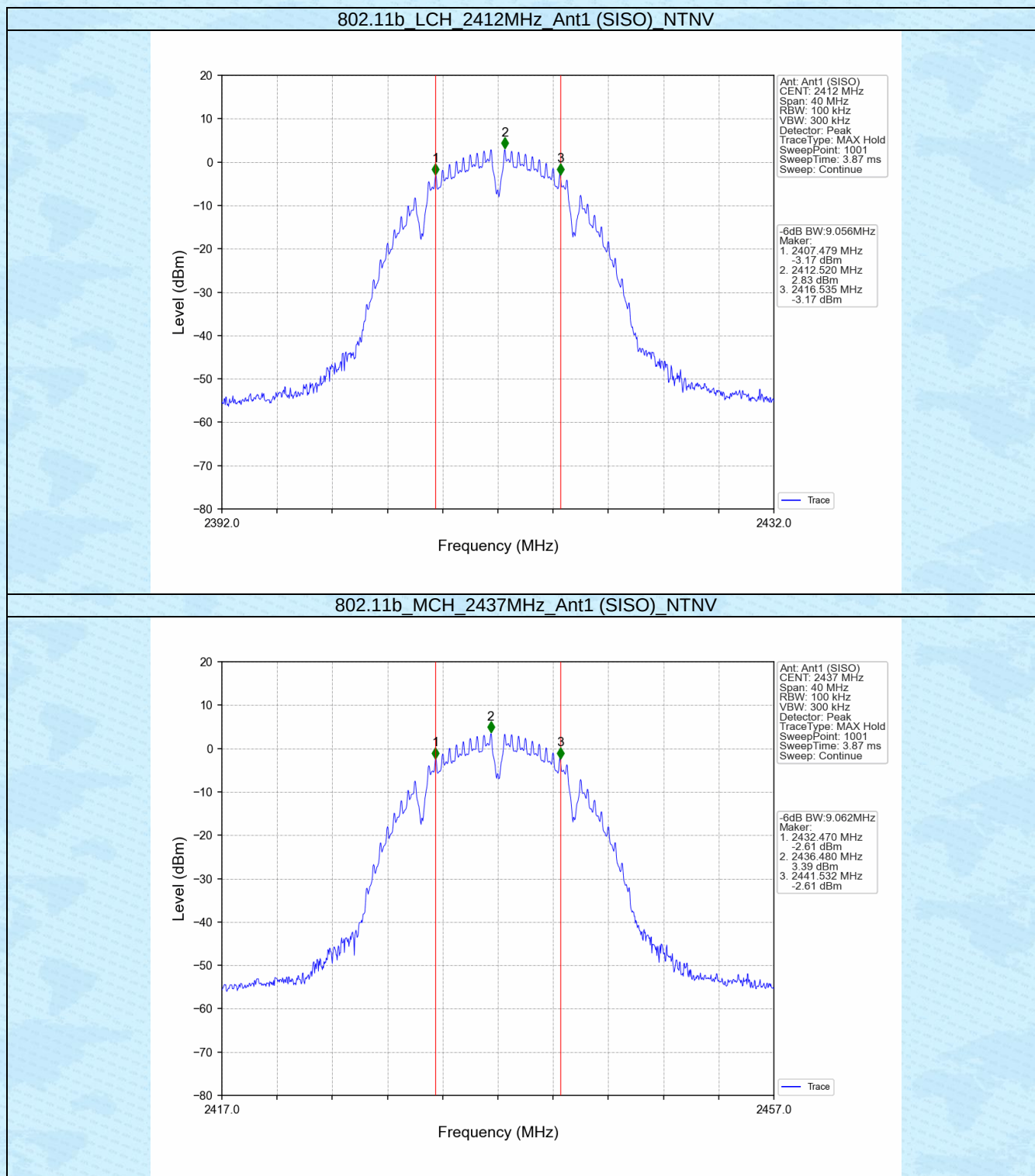


2.2 6dB BW

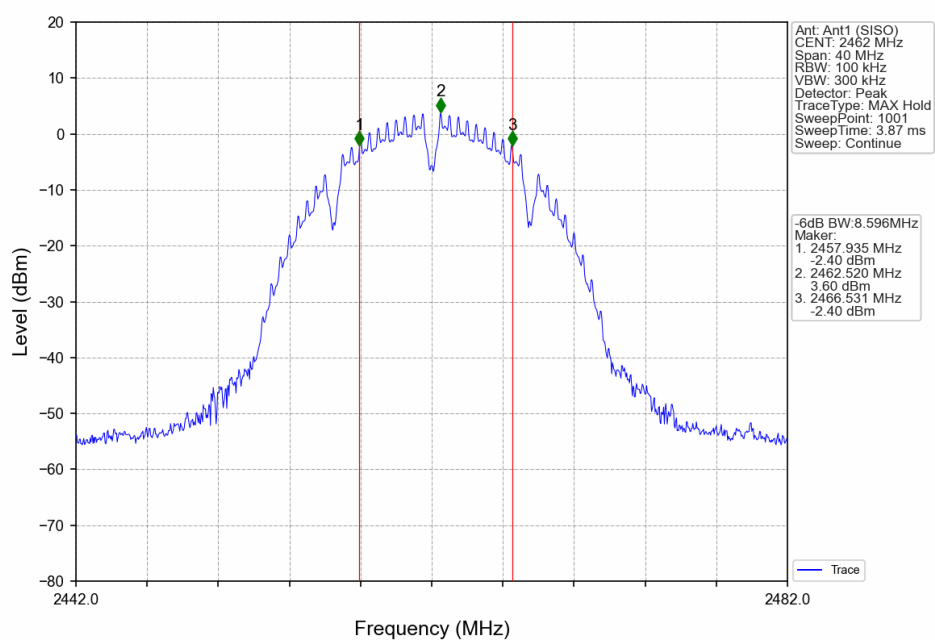
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.056	≥ 0.5	Pass
		2437	1	9.062	≥ 0.5	Pass
		2462	1	8.596	≥ 0.5	Pass
802.11g	SISO	2412	1	16.370	≥ 0.5	Pass
		2437	1	16.378	≥ 0.5	Pass
		2462	1	16.364	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.384	≥ 0.5	Pass
		2437	1	17.543	≥ 0.5	Pass
		2462	1	17.322	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.533	≥ 0.5	Pass
		2437	1	35.444	≥ 0.5	Pass
		2452	1	35.807	≥ 0.5	Pass

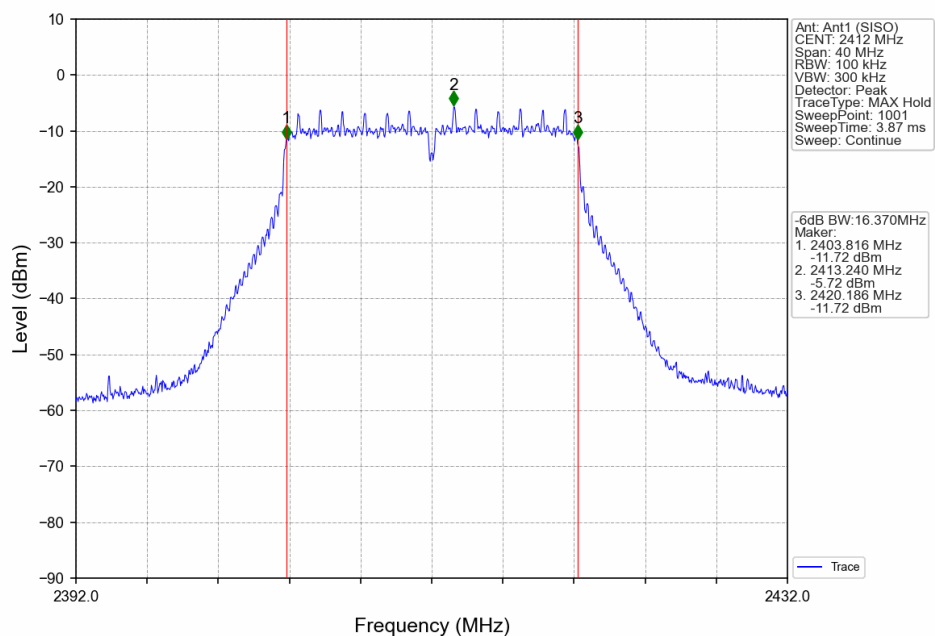
2.2.2 Test Graph



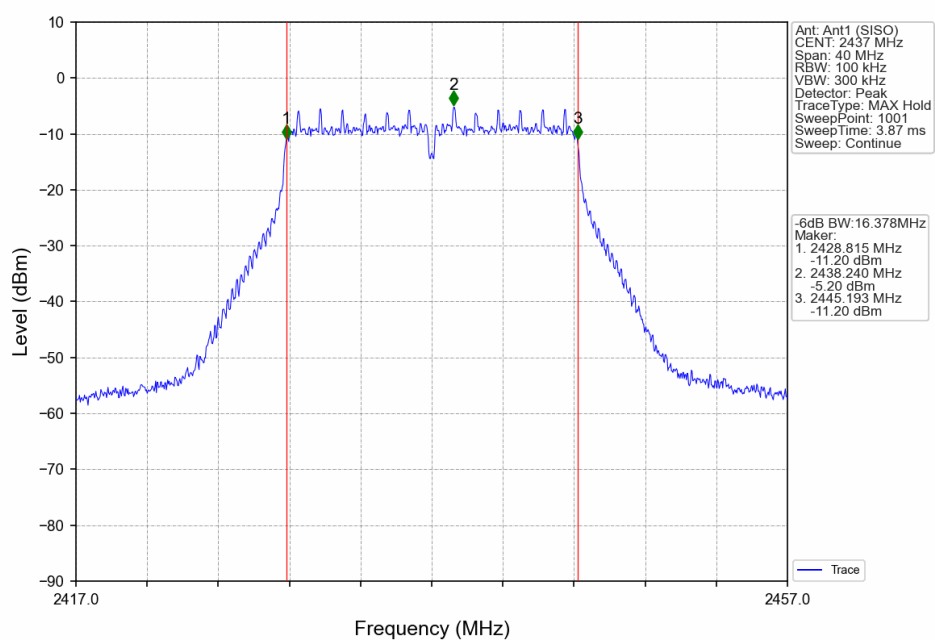
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



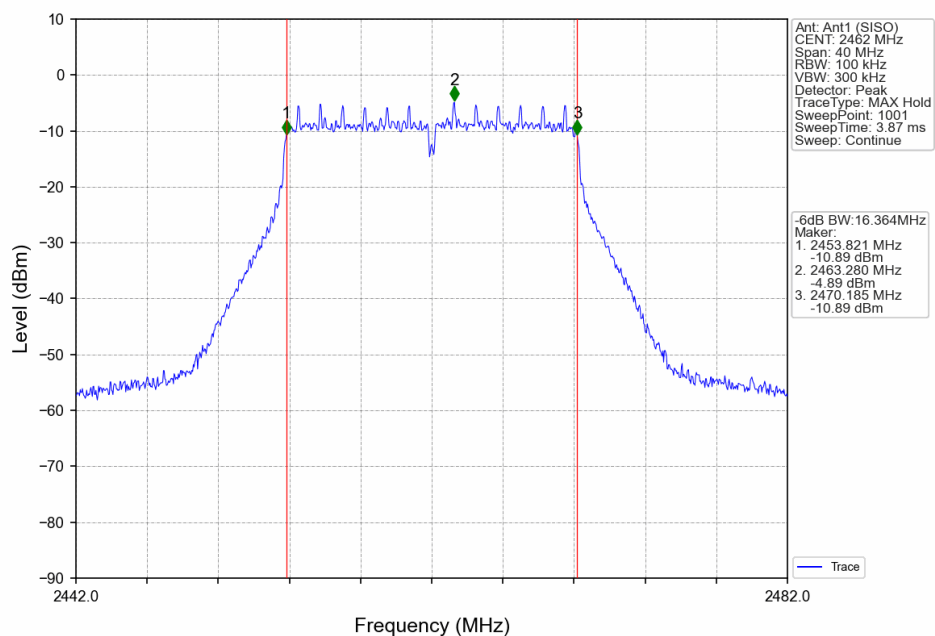
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



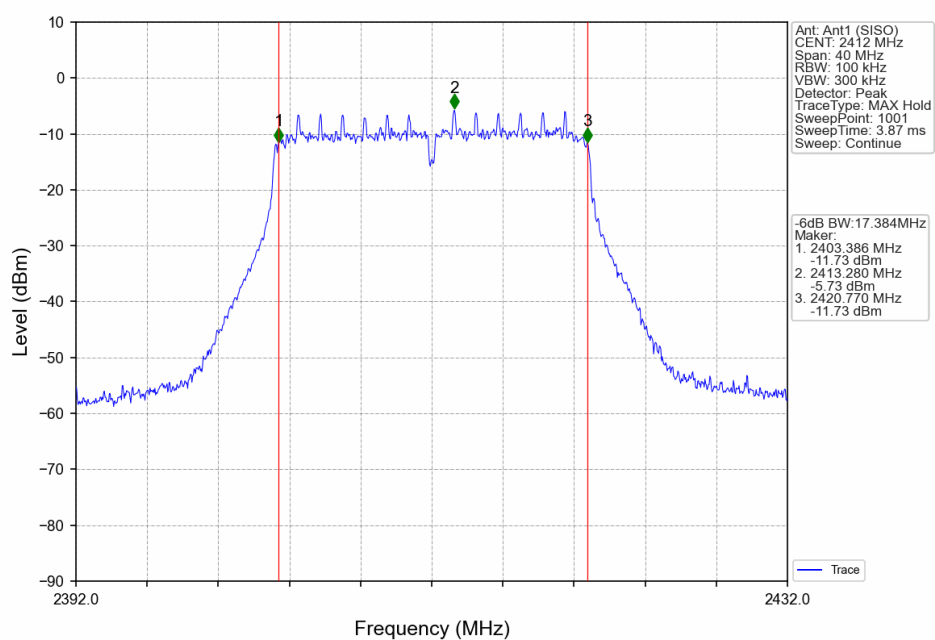
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



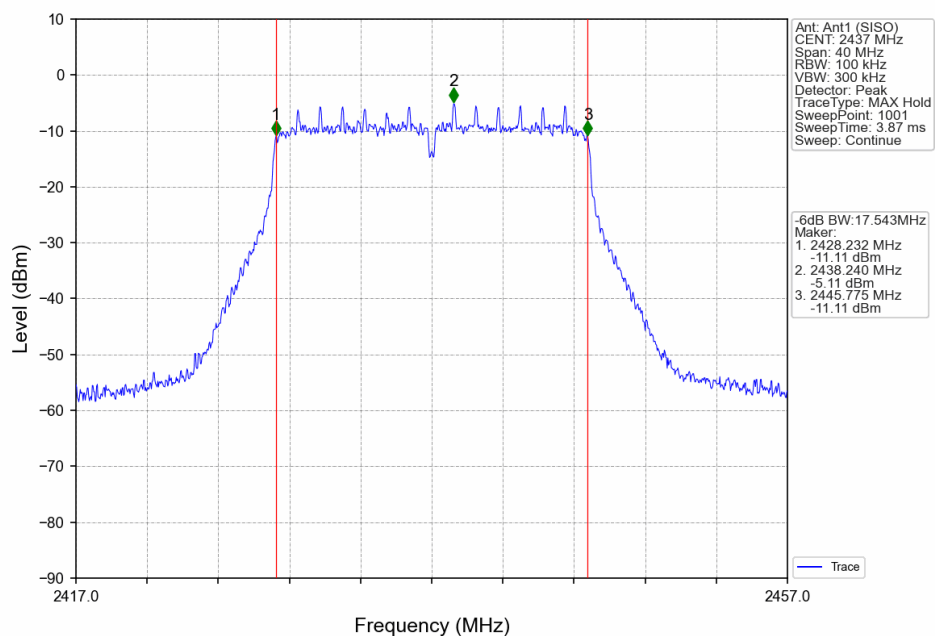
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



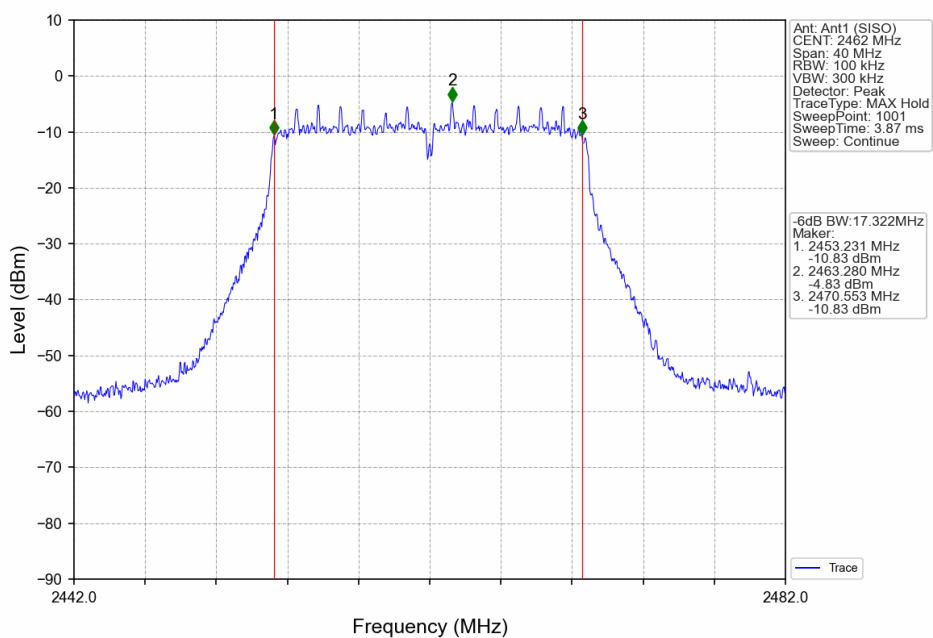
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



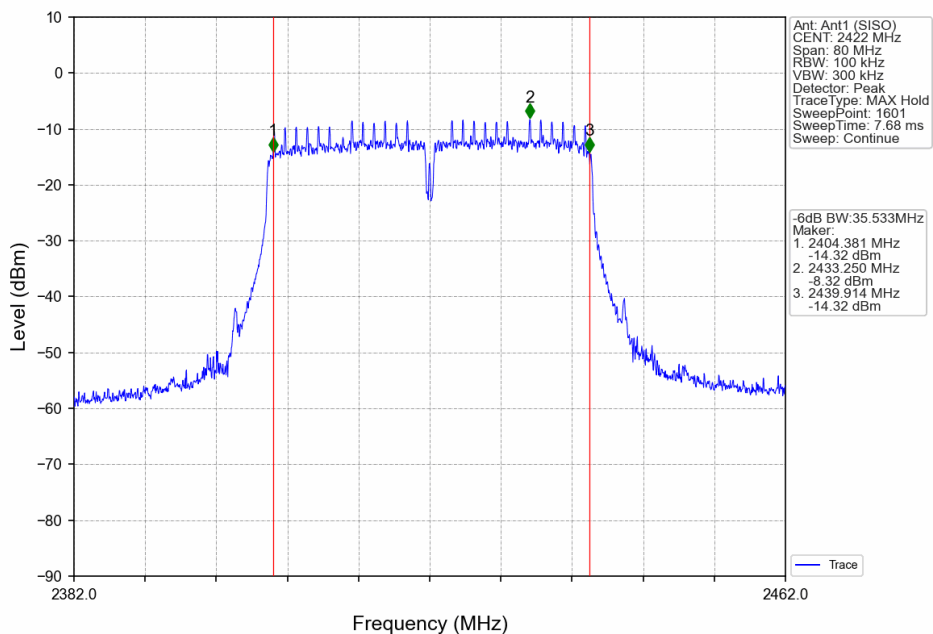
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



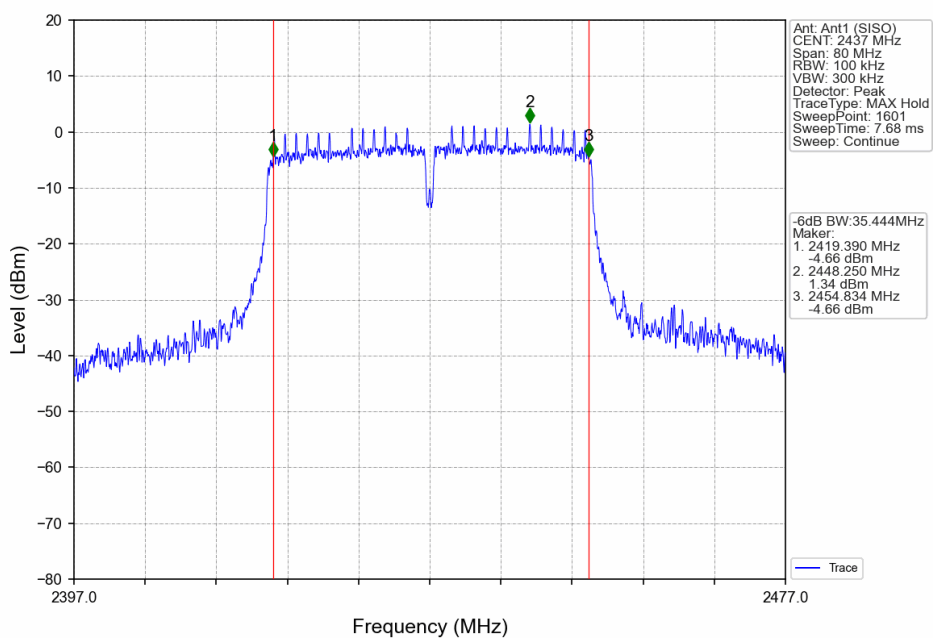
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



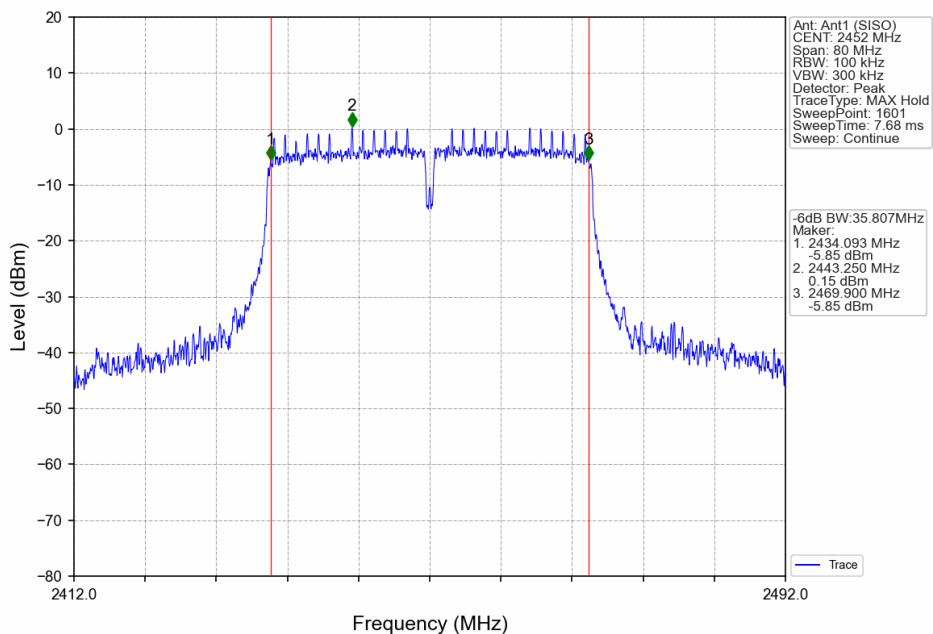
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_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	13.63	<=30	Pass
		2437	14.20	<=30	Pass
		2462	14.29	<=30	Pass
802.11g	SISO	2412	12.99	<=30	Pass
		2437	13.68	<=30	Pass
		2462	13.91	<=30	Pass
802.11n (HT20)	SISO	2412	13.00	<=30	Pass
		2437	13.64	<=30	Pass
		2462	13.85	<=30	Pass
802.11n (HT40)	SISO	2422	13.59	<=30	Pass
		2437	23.12	<=30	Pass
		2452	22.25	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

4. Maximum Power Spectral Density

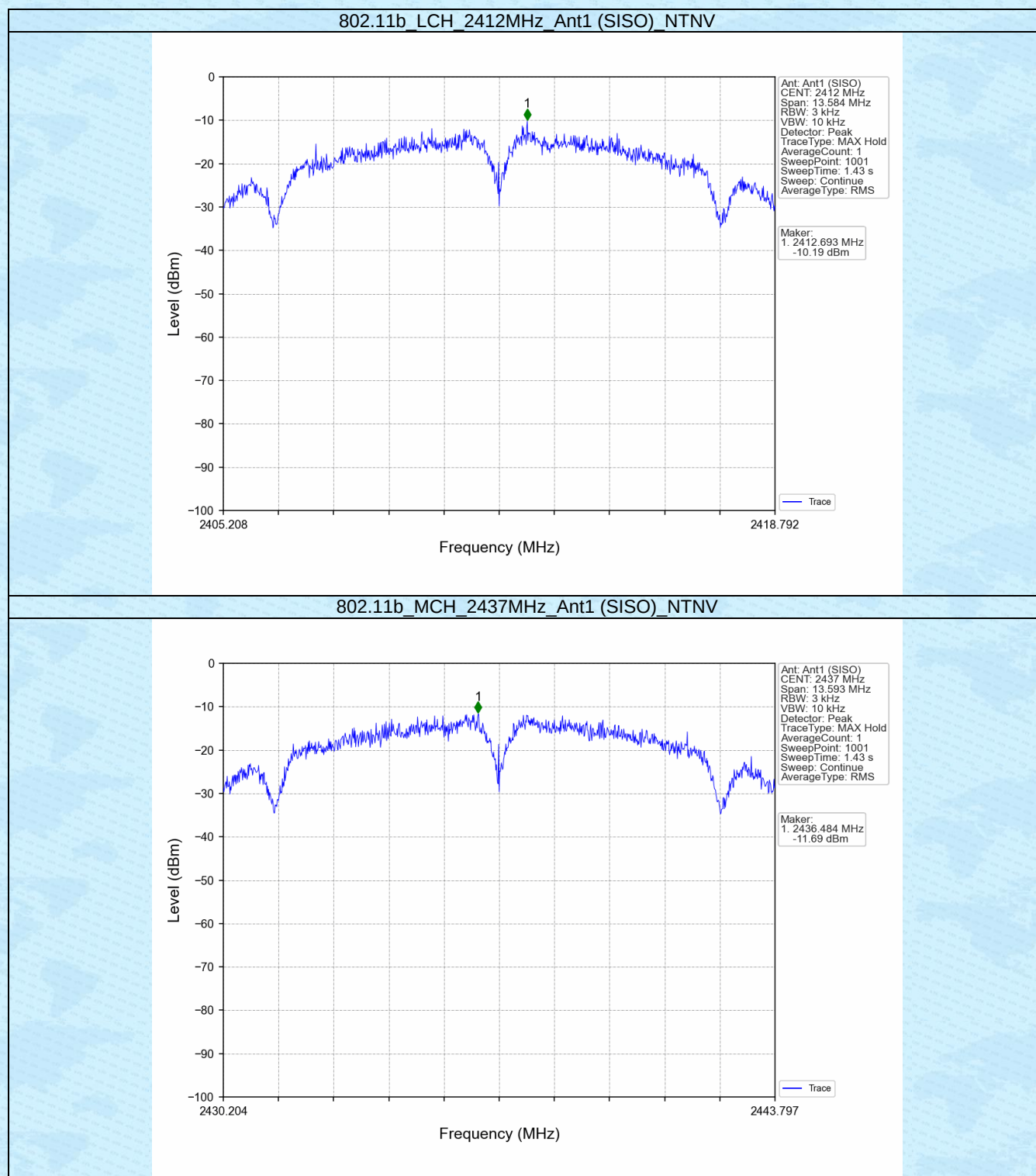
4.1 PSD

4.1.1 Test Result

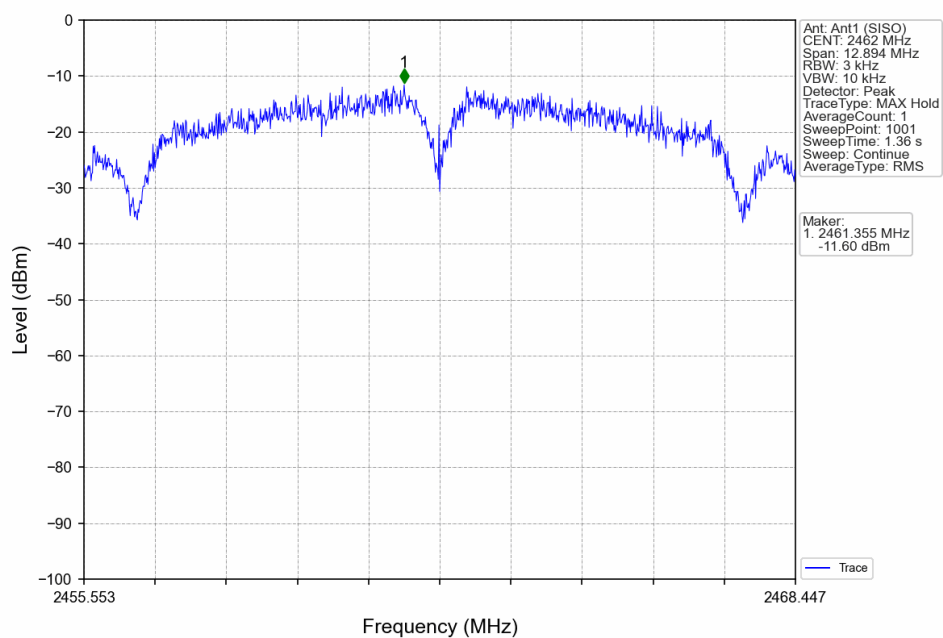
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.19	<=8	Pass
		2437	-11.69	<=8	Pass
		2462	-11.60	<=8	Pass
802.11g	SISO	2412	-19.89	<=8	Pass
		2437	-19.27	<=8	Pass
		2462	-19.12	<=8	Pass
802.11n (HT20)	SISO	2412	-19.90	<=8	Pass
		2437	-19.23	<=8	Pass
		2462	-19.02	<=8	Pass
802.11n (HT40)	SISO	2422	-19.52	<=8	Pass
		2437	-12.96	<=8	Pass
		2452	-13.99	<=8	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

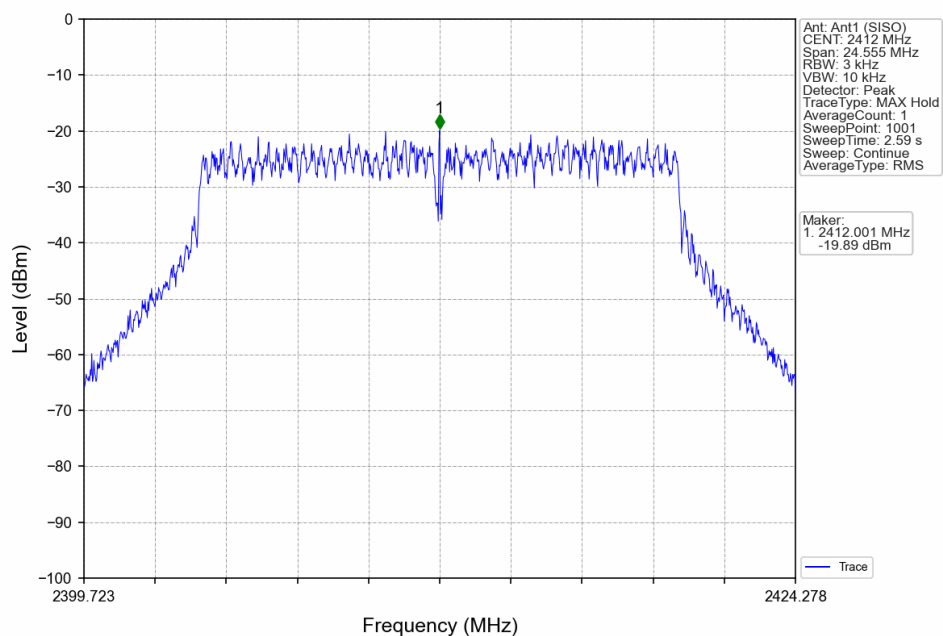
4.1.2 Test Graph



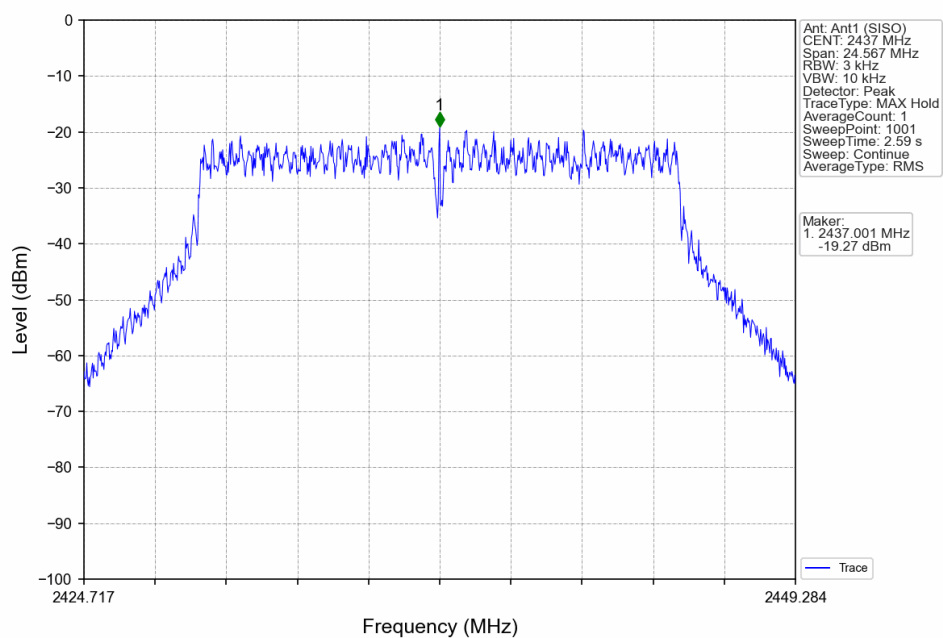
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



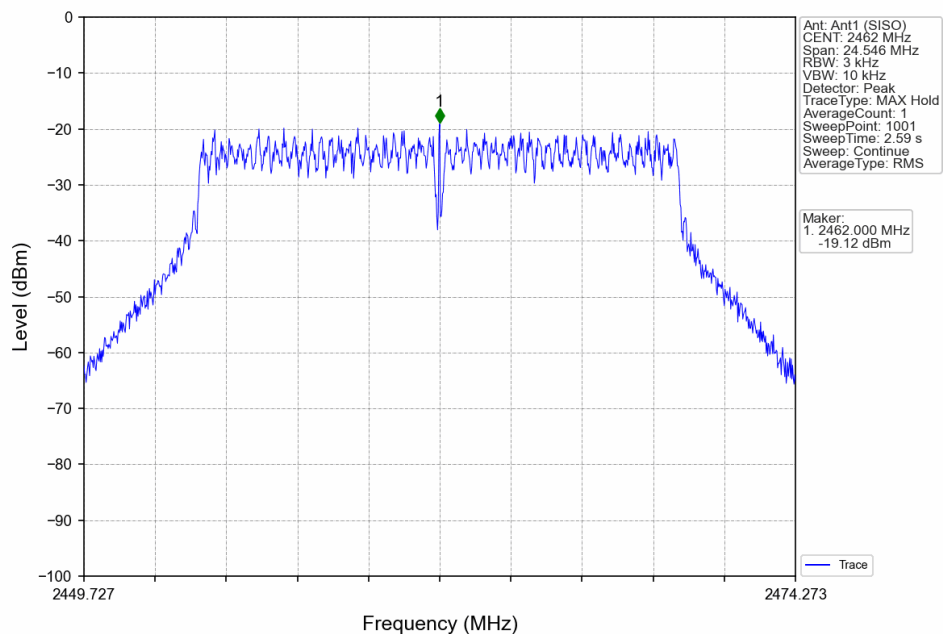
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



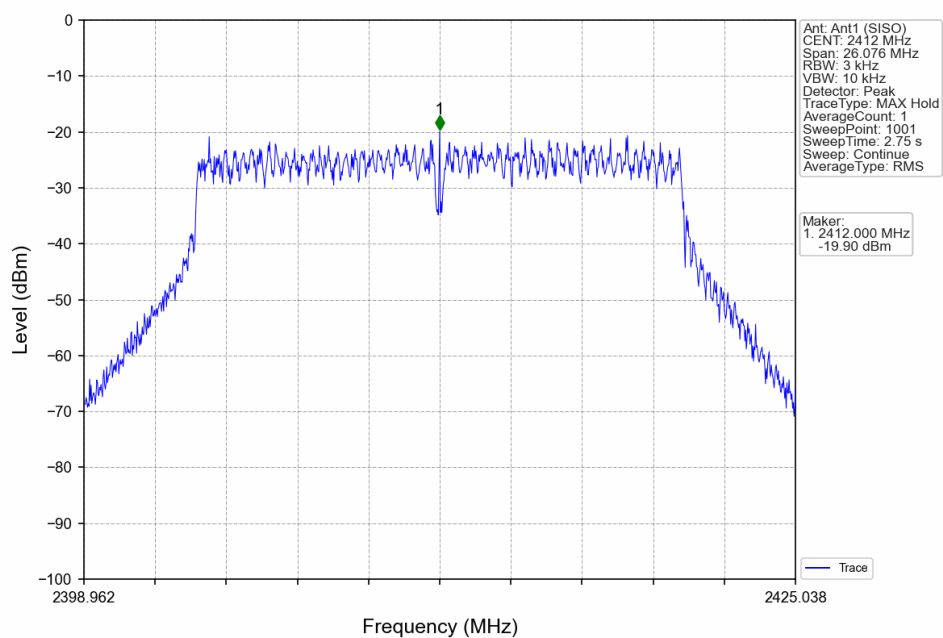
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



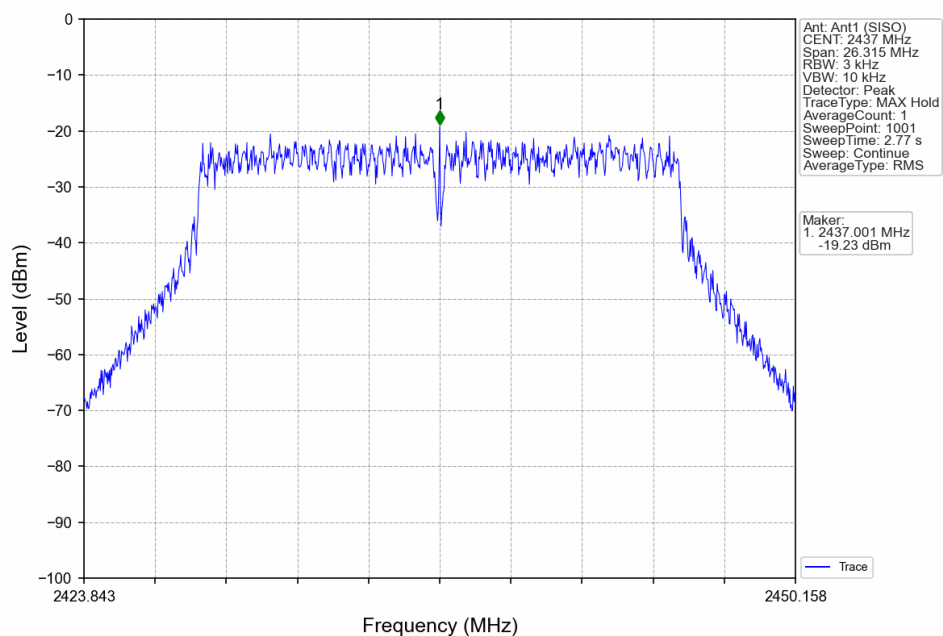
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



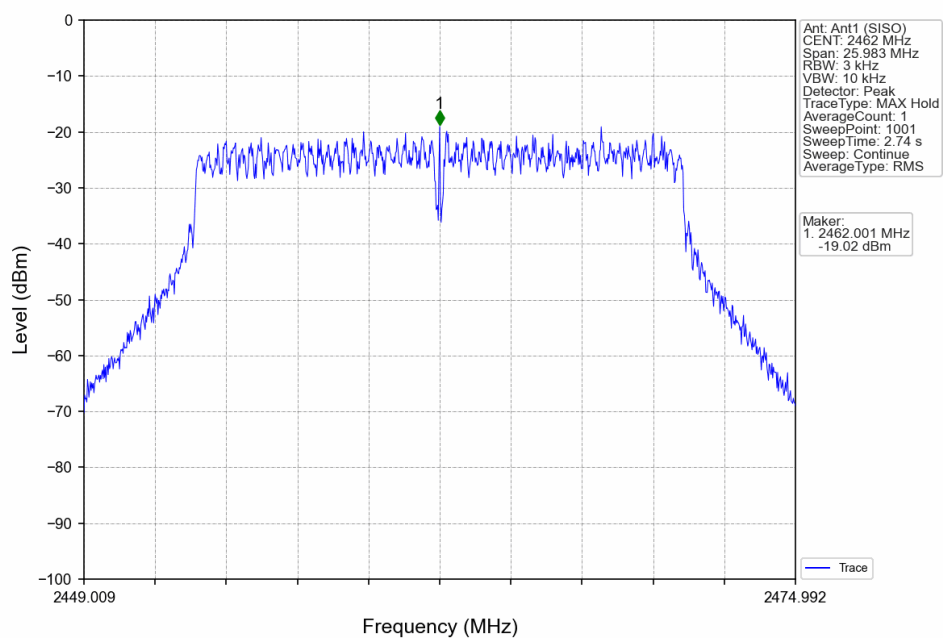
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



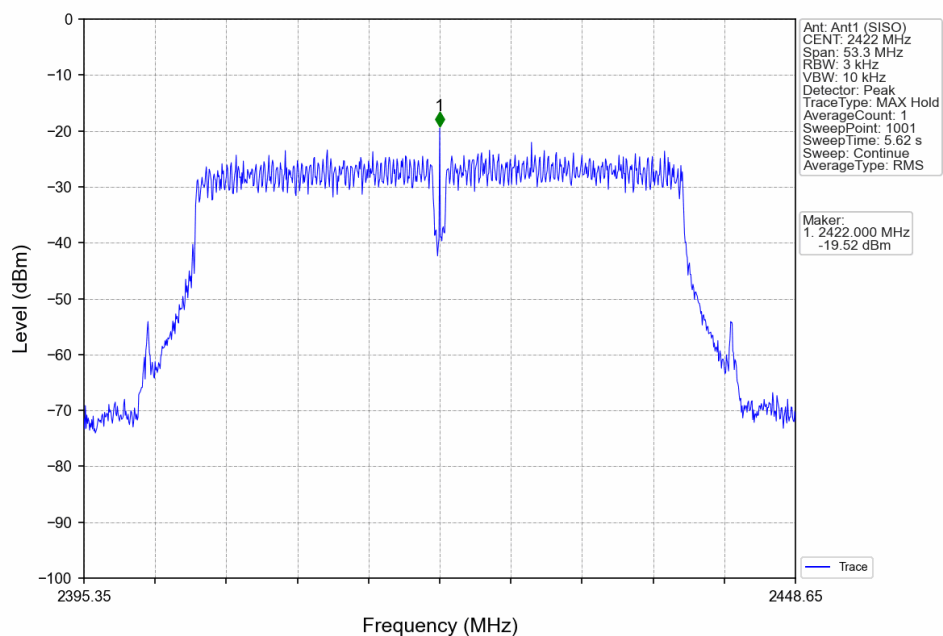
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



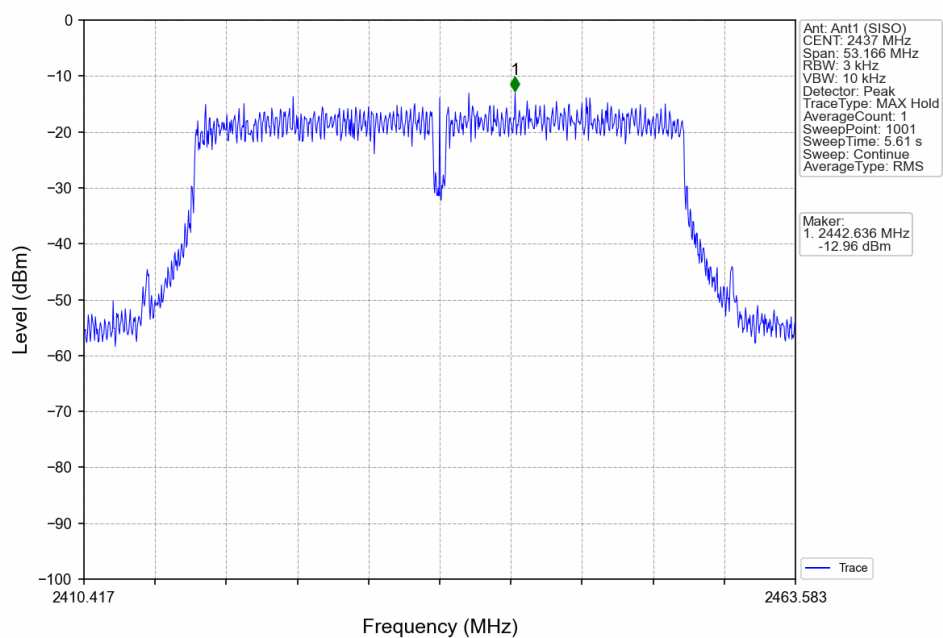
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



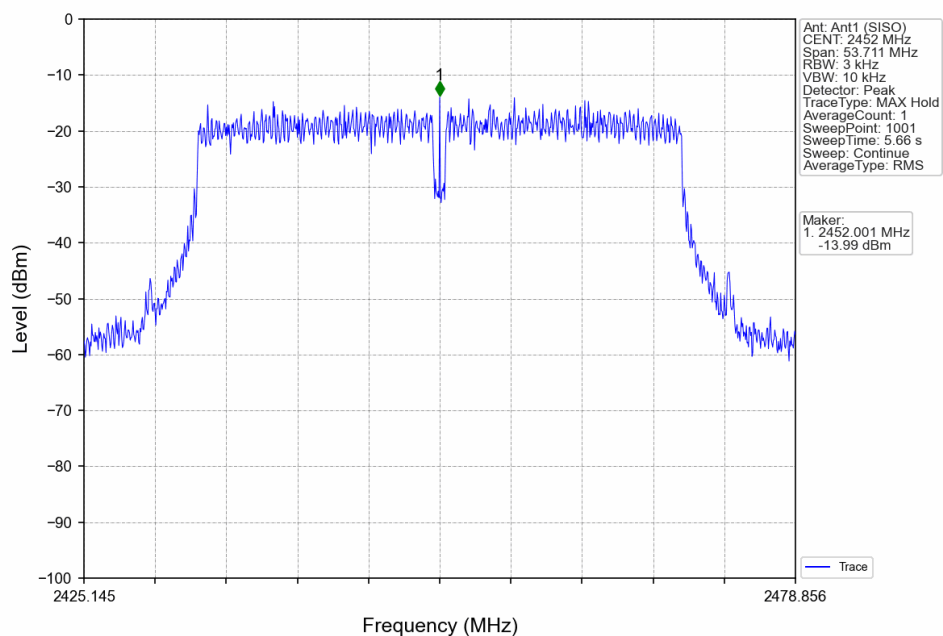
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

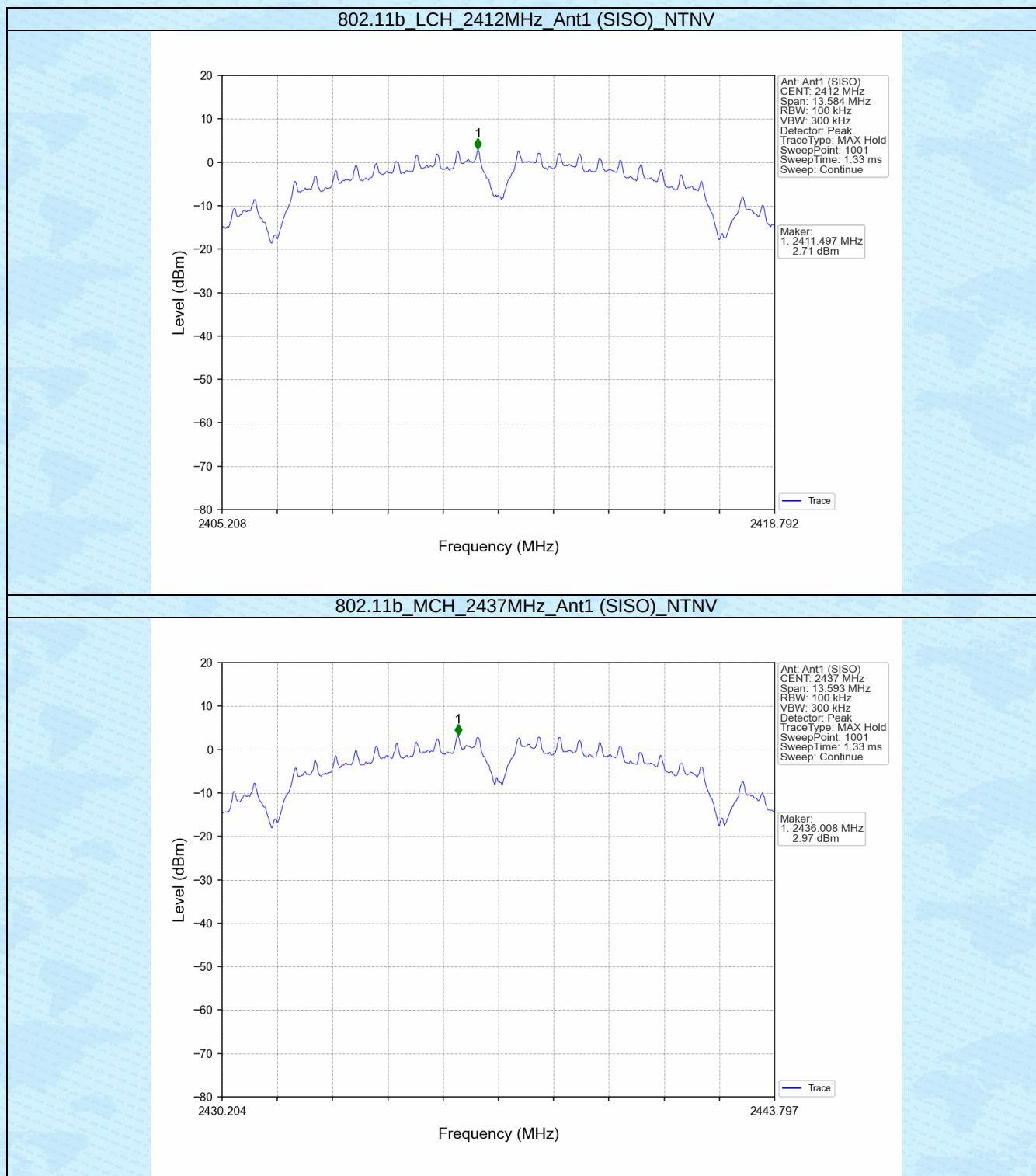
5.1 Ref

5.1.1 Test Result

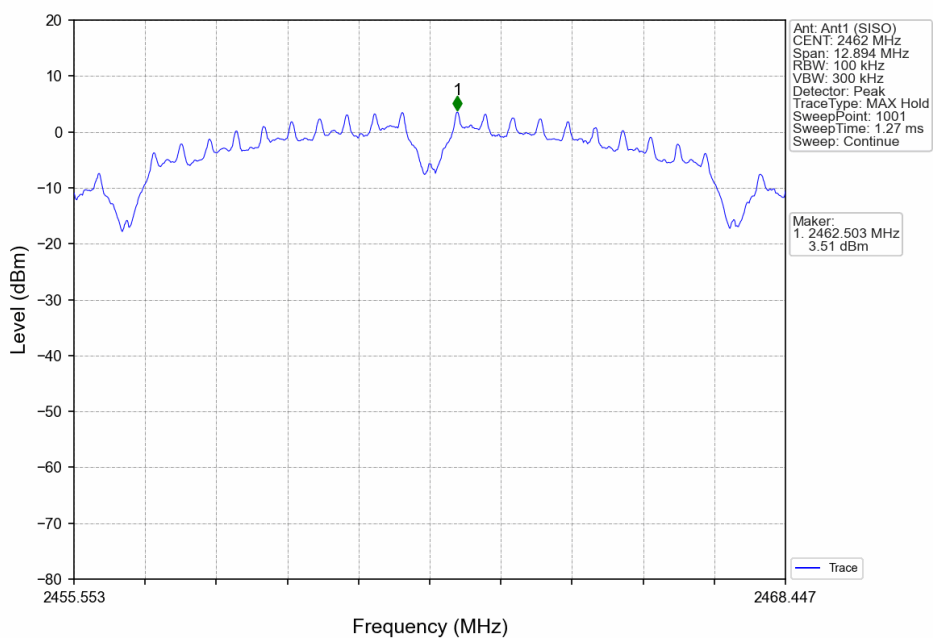
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	2.71
		2437	1	2.97
		2462	1	3.51
802.11g	SISO	2412	1	-6.06
		2437	1	-5.09
		2462	1	-4.88
802.11n (HT20)	SISO	2412	1	-5.68
		2437	1	-5.08
		2462	1	-5.23
802.11n (HT40)	SISO	2422	1	-8.46
		2437	1	0.76
		2452	1	0.05

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.

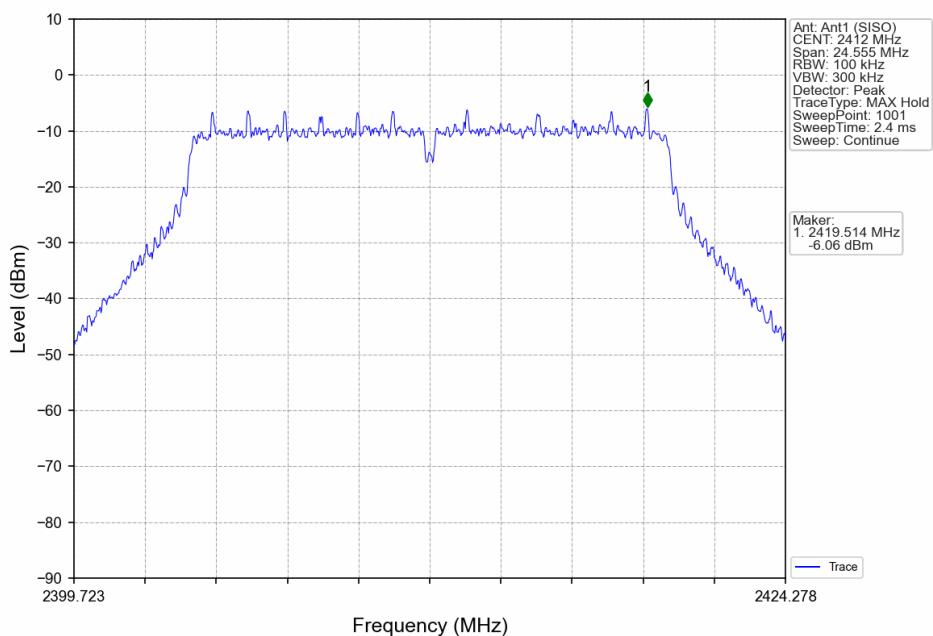
5.1.2 Test Graph



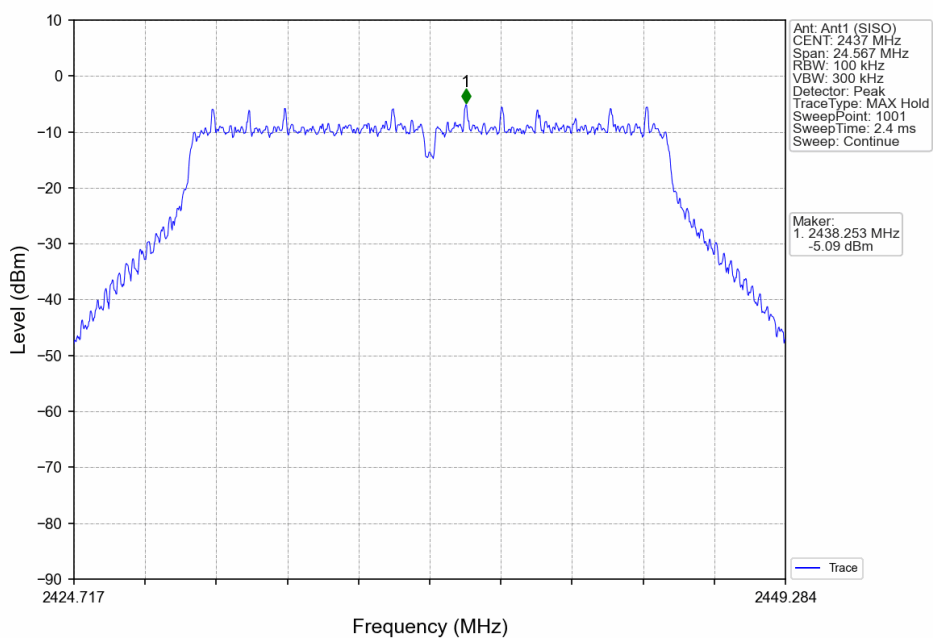
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



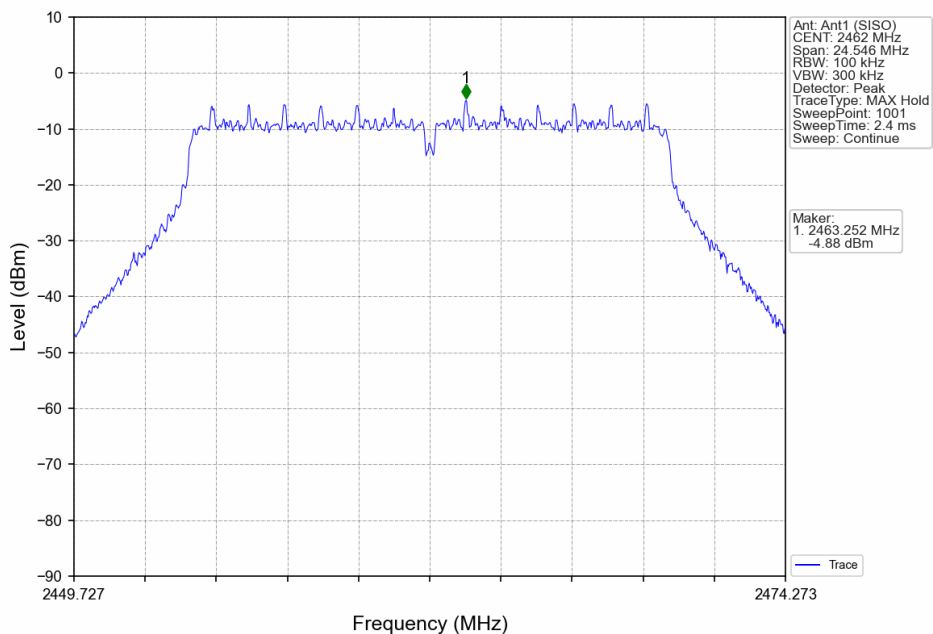
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



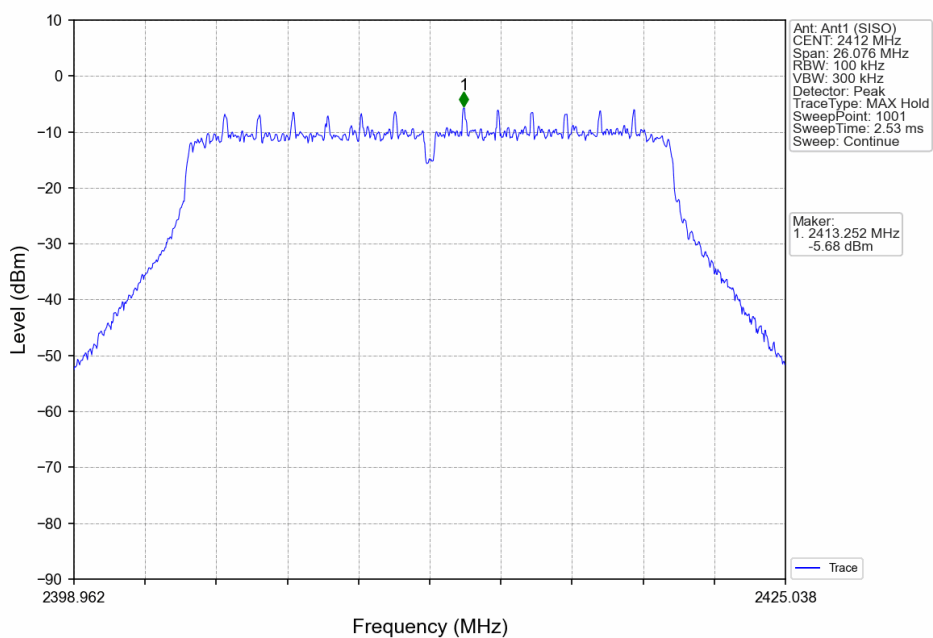
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



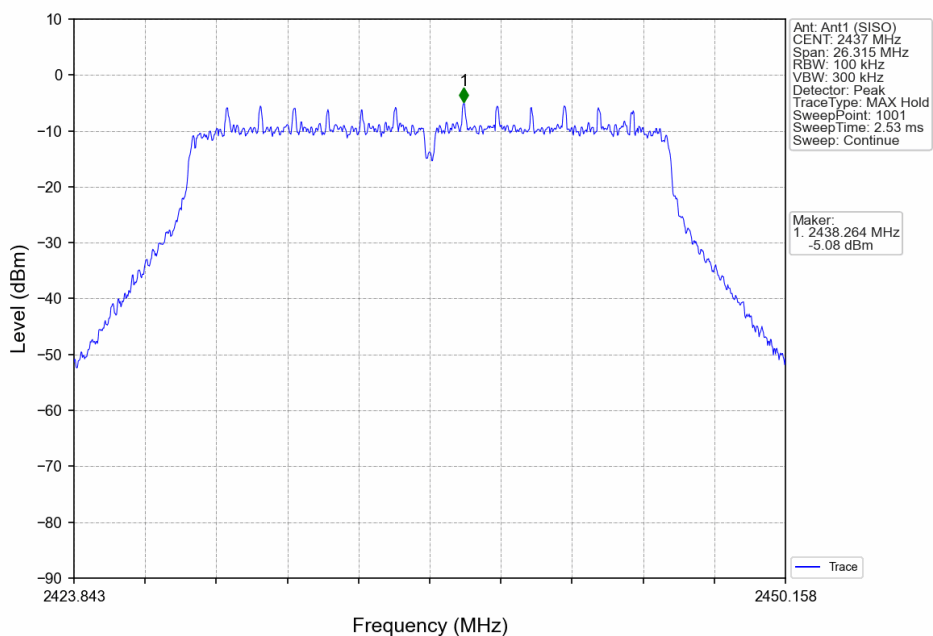
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



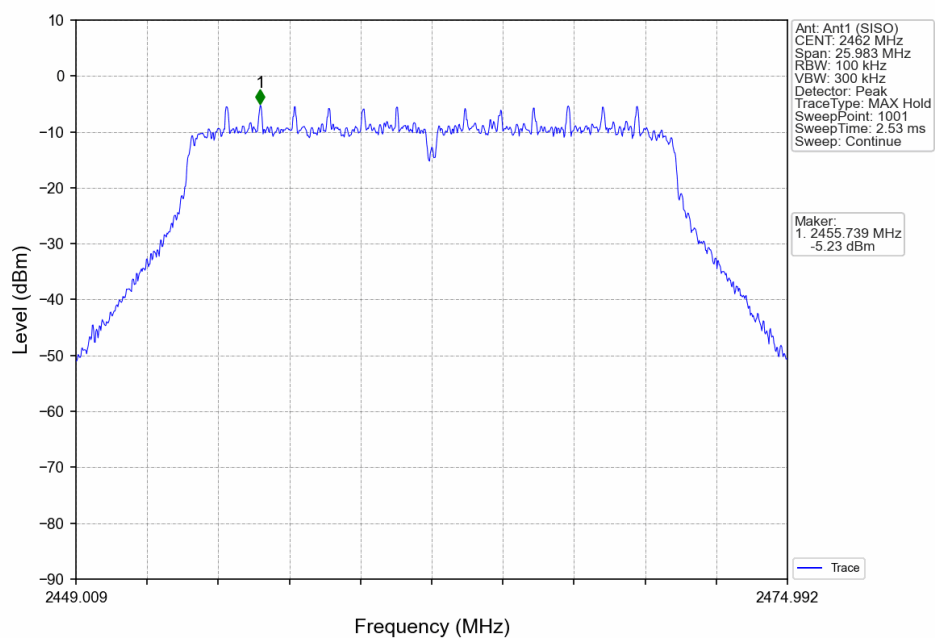
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



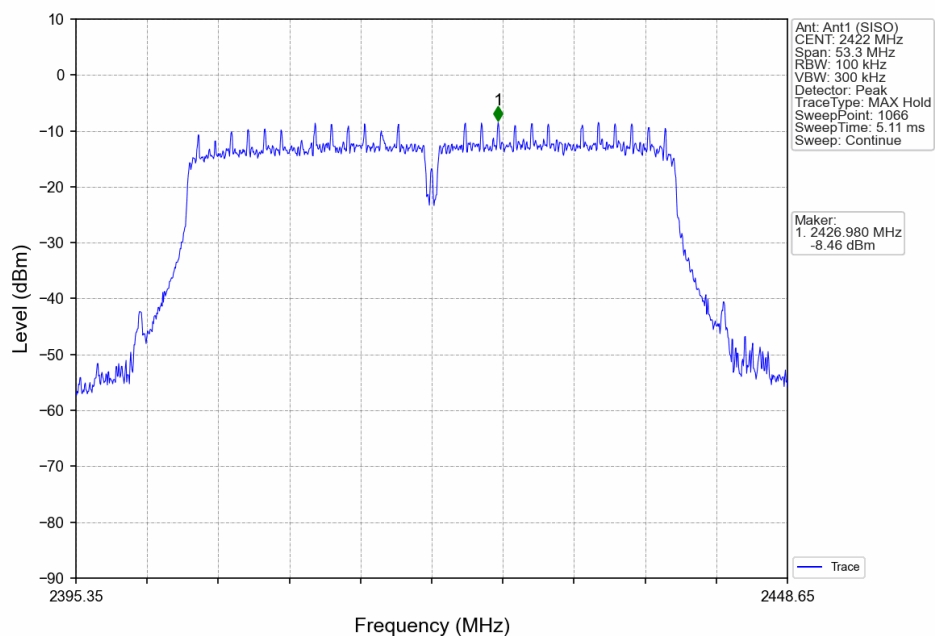
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



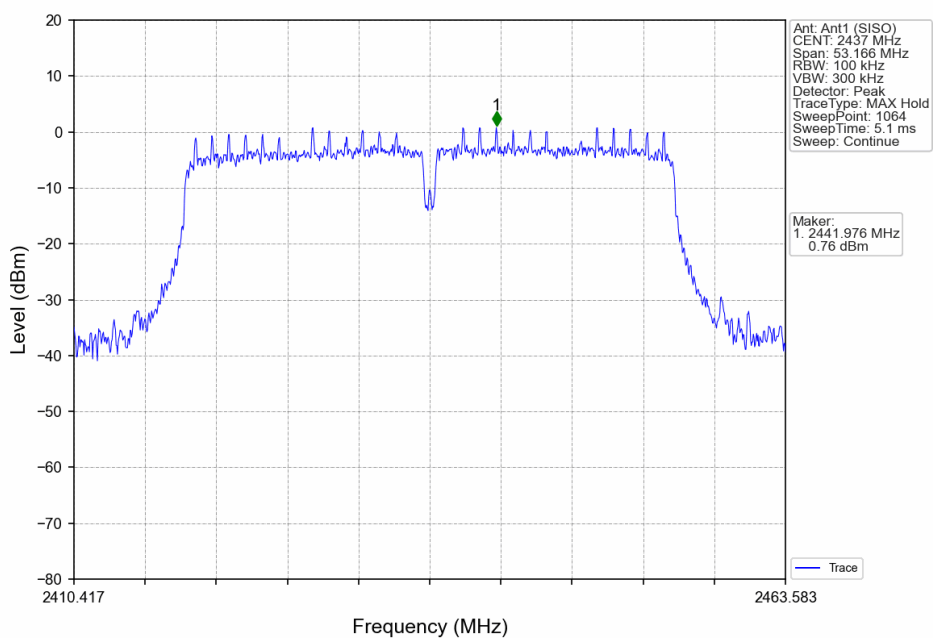
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



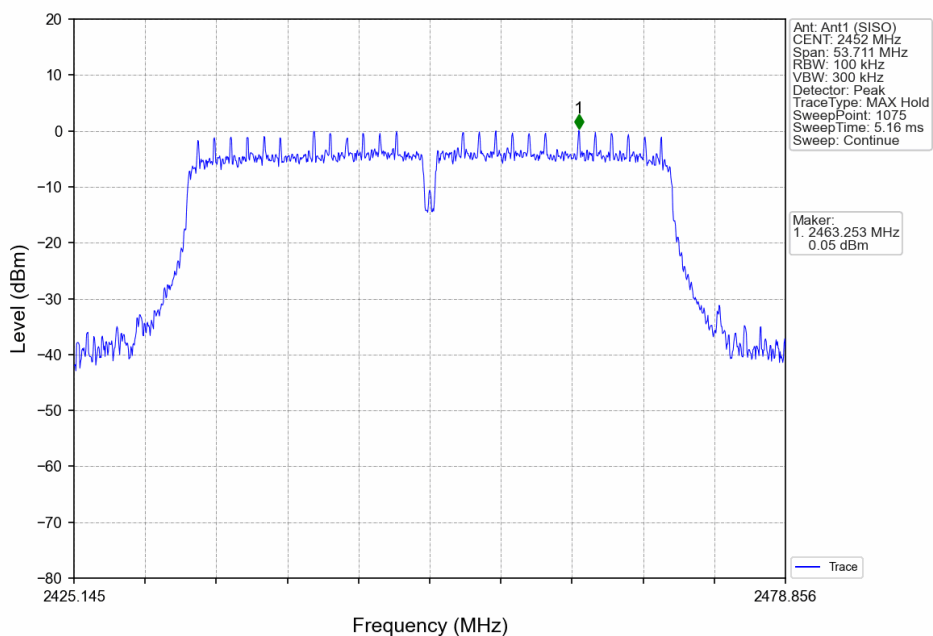
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

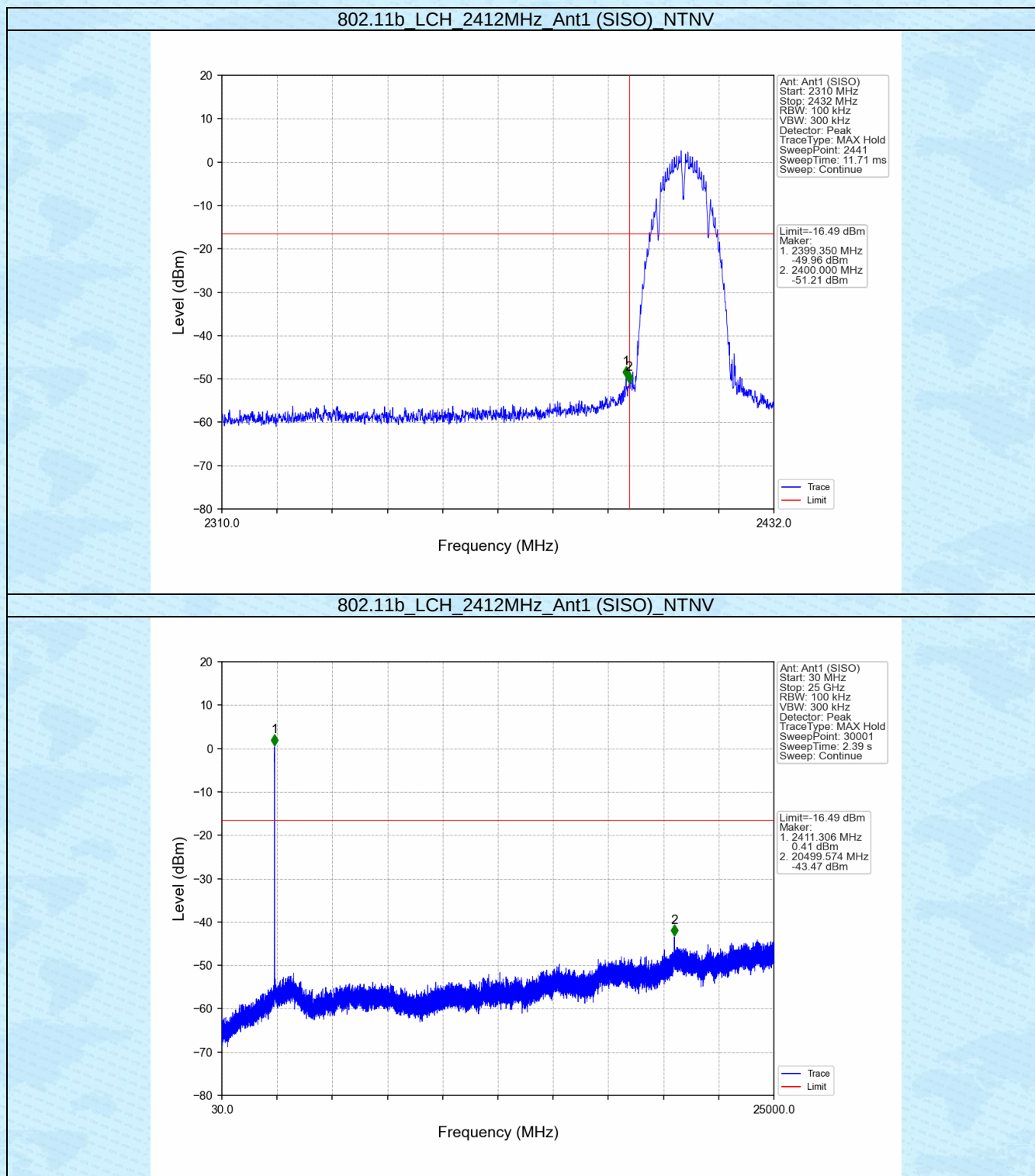


5.2 CSE

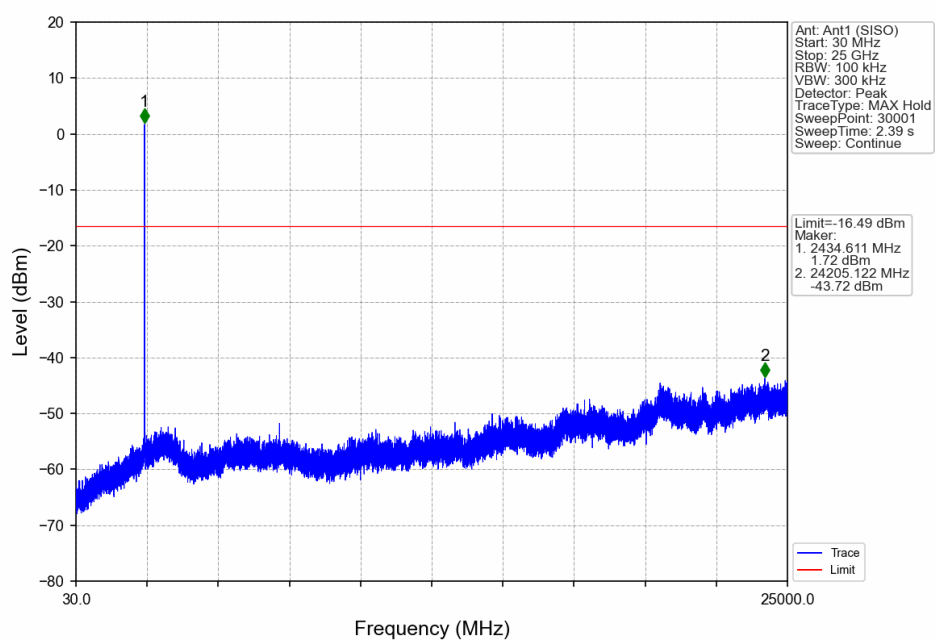
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.51	-16.49	Pass
		2437	1	3.51	-16.49	Pass
		2462	1	3.51	-16.49	Pass
802.11g	SISO	2412	1	-4.88	-24.88	Pass
		2437	1	-4.88	-24.88	Pass
		2462	1	-4.88	-24.88	Pass
802.11n (HT20)	SISO	2412	1	-5.08	-25.08	Pass
		2437	1	-5.08	-25.08	Pass
		2462	1	-5.08	-25.08	Pass
802.11n (HT40)	SISO	2422	1	0.76	-19.24	Pass
		2437	1	0.76	-19.24	Pass
		2452	1	0.76	-19.24	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.						

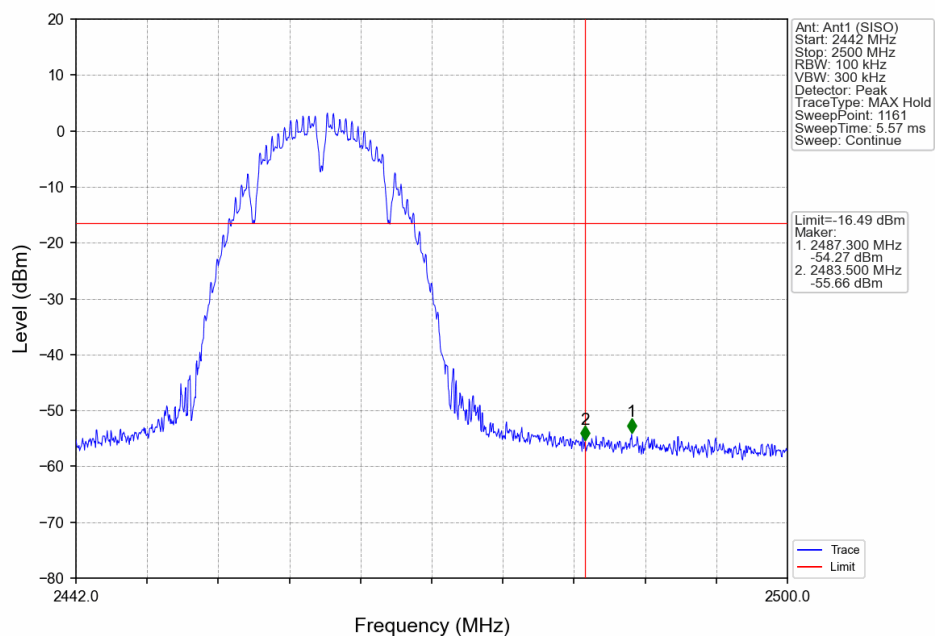
5.2.2 Test Graph



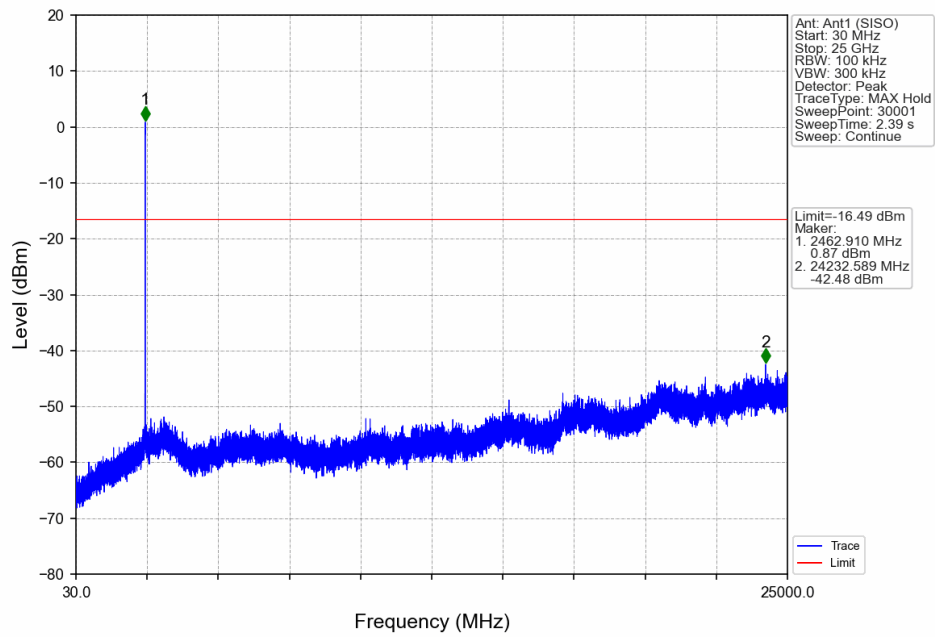
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



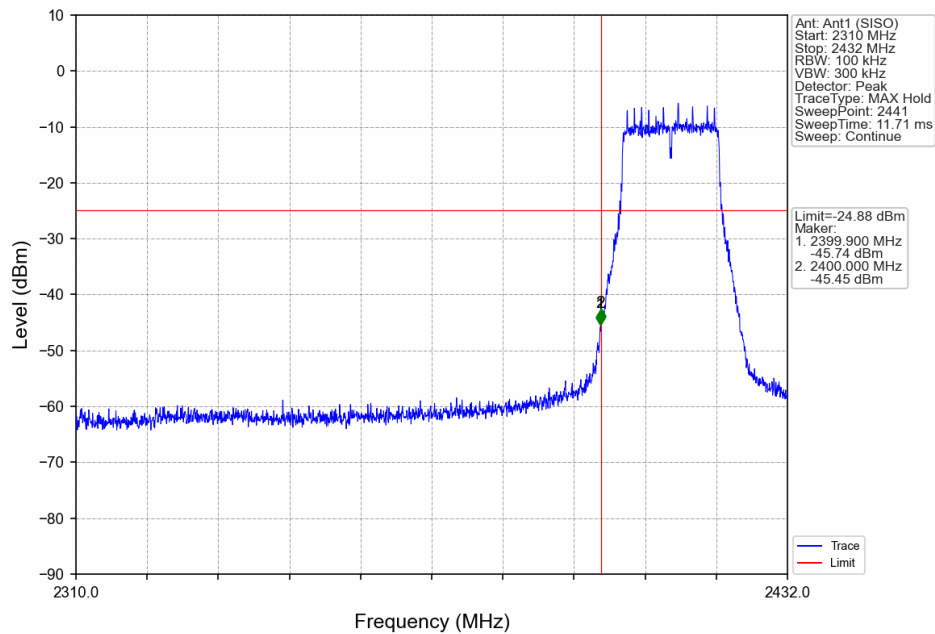
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



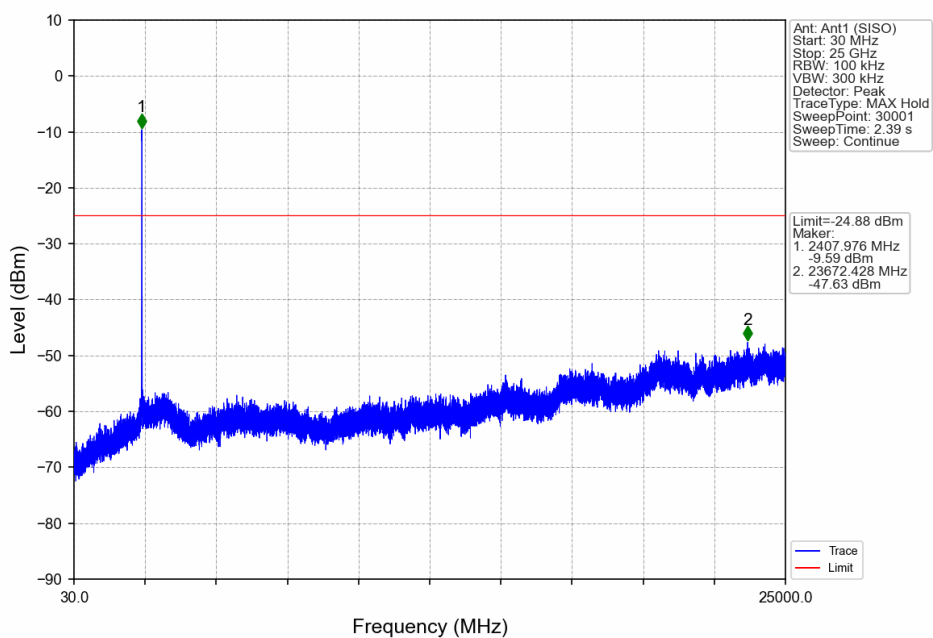
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



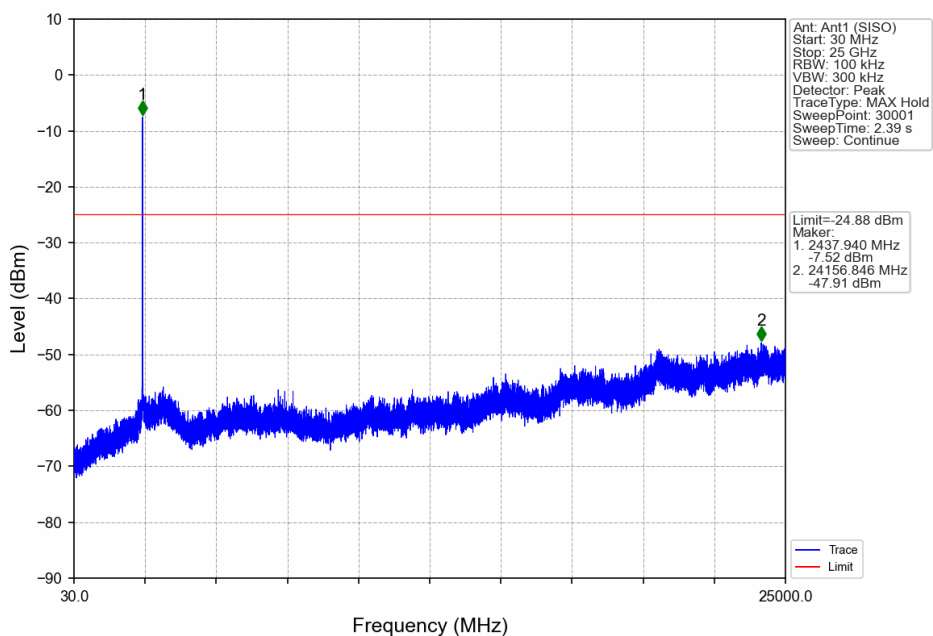
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



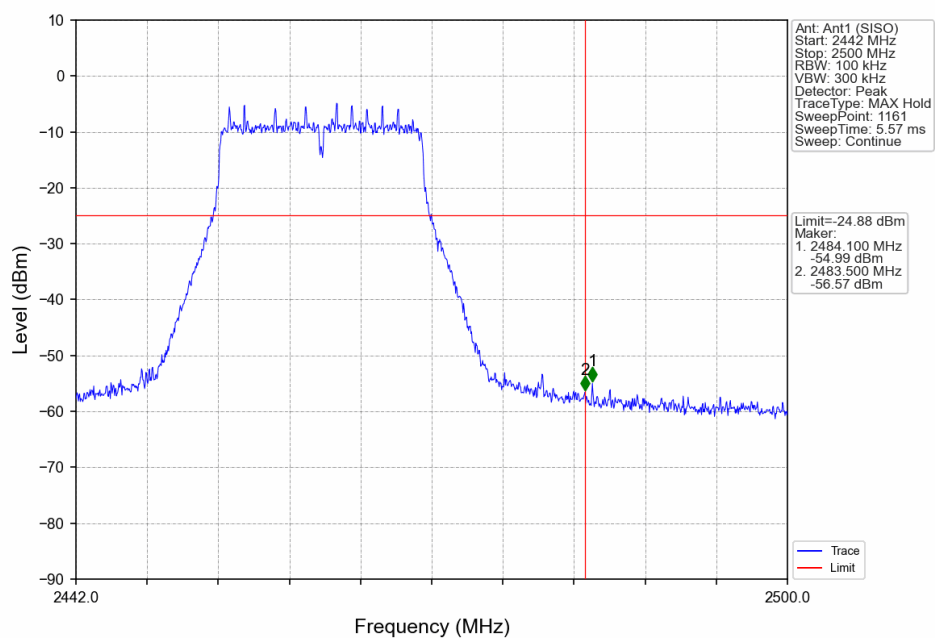
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



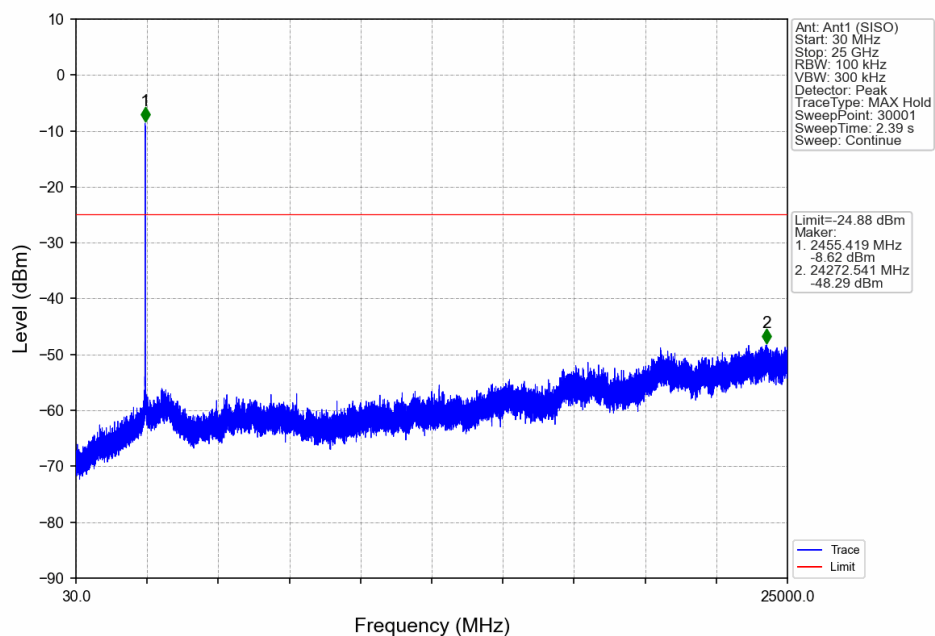
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



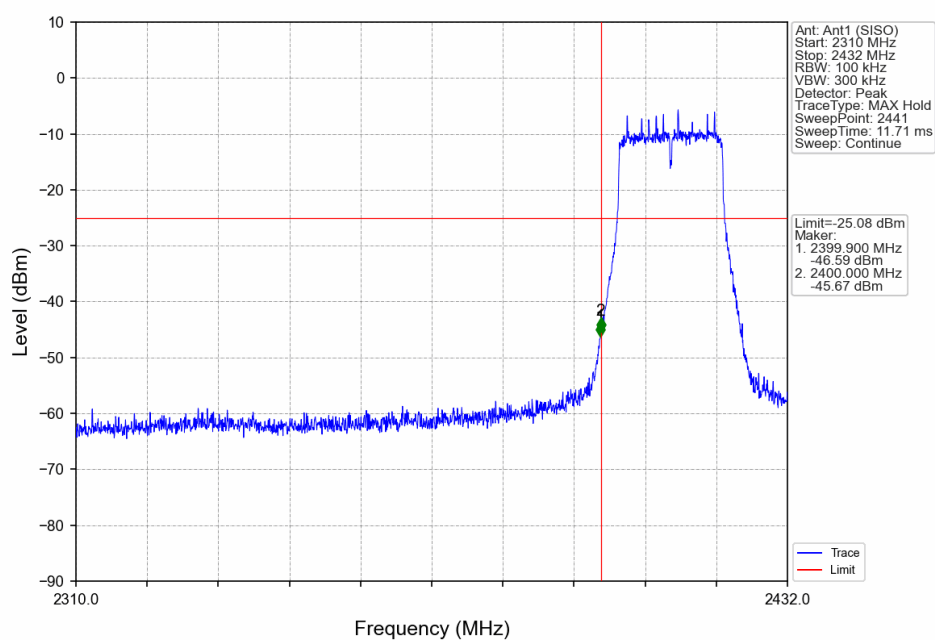
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



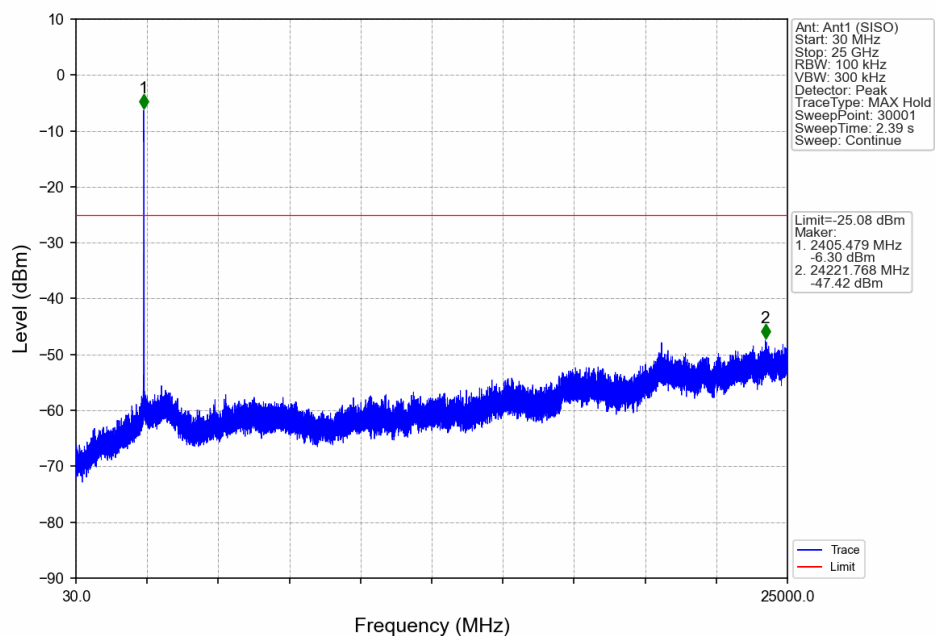
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



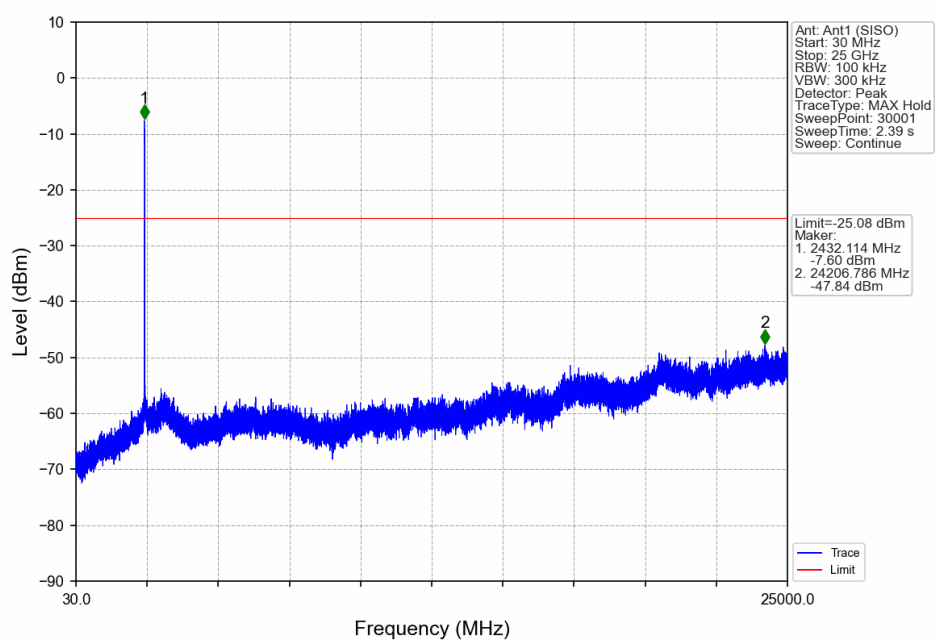
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



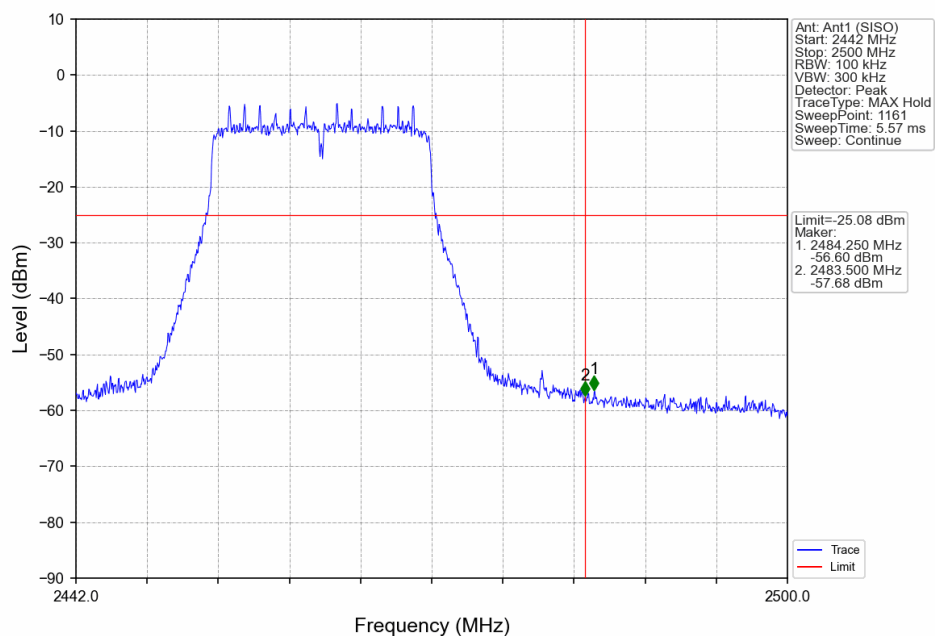
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



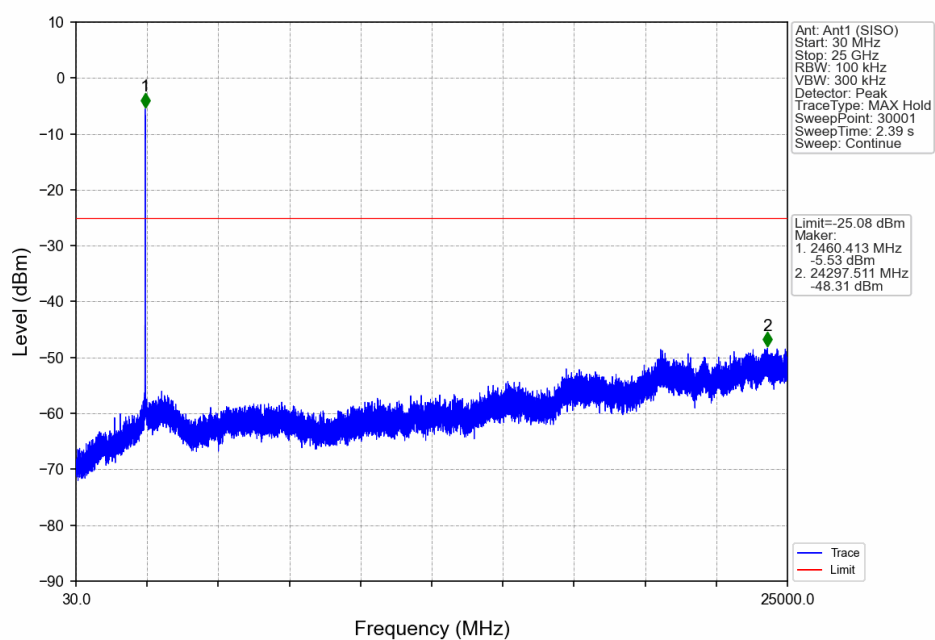
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



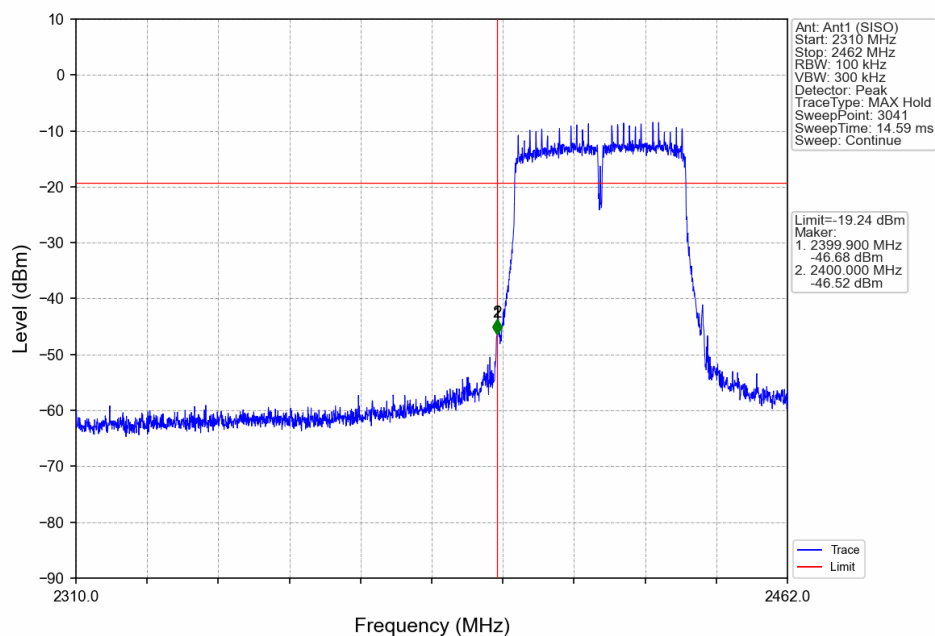
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



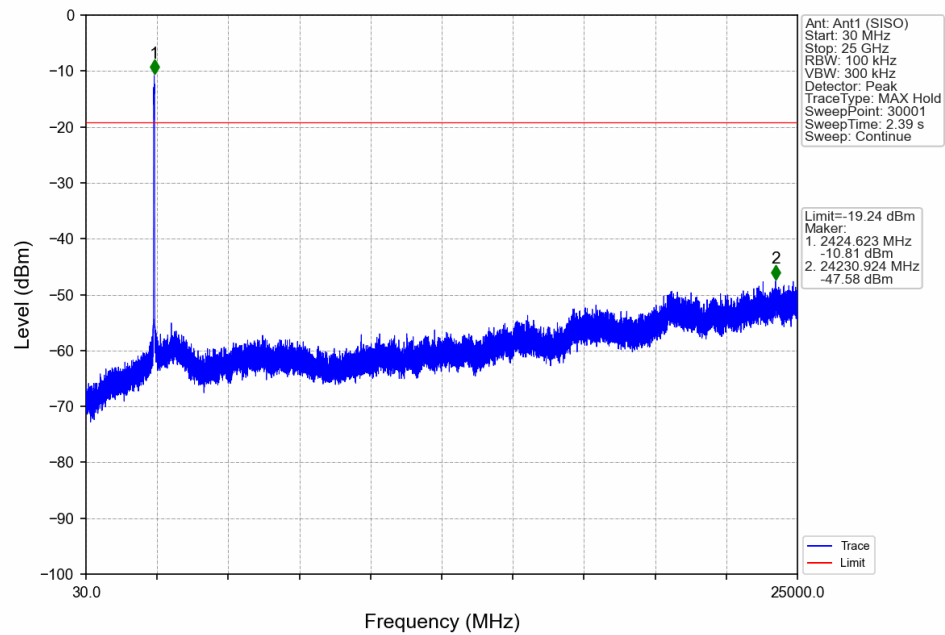
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



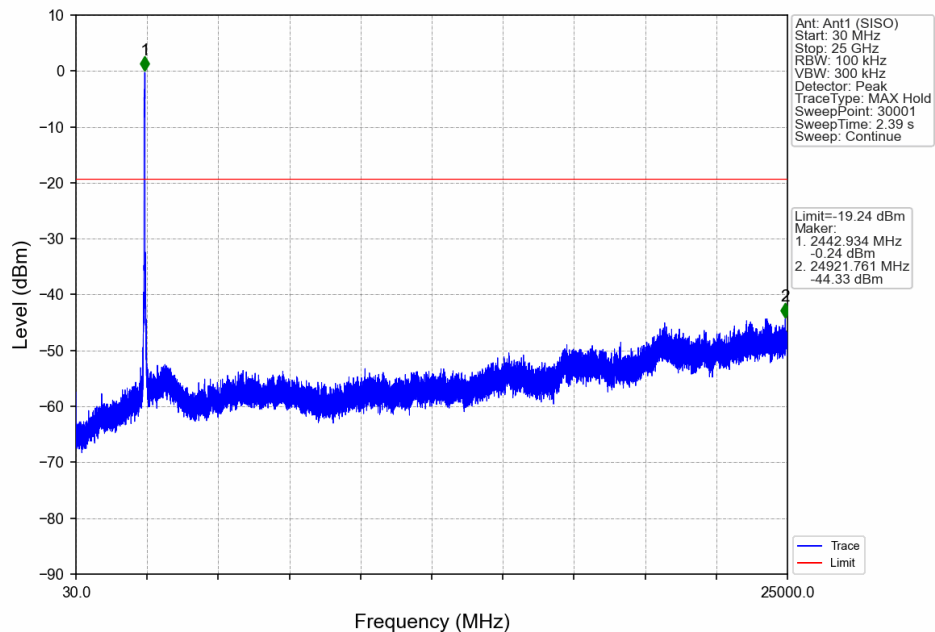
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



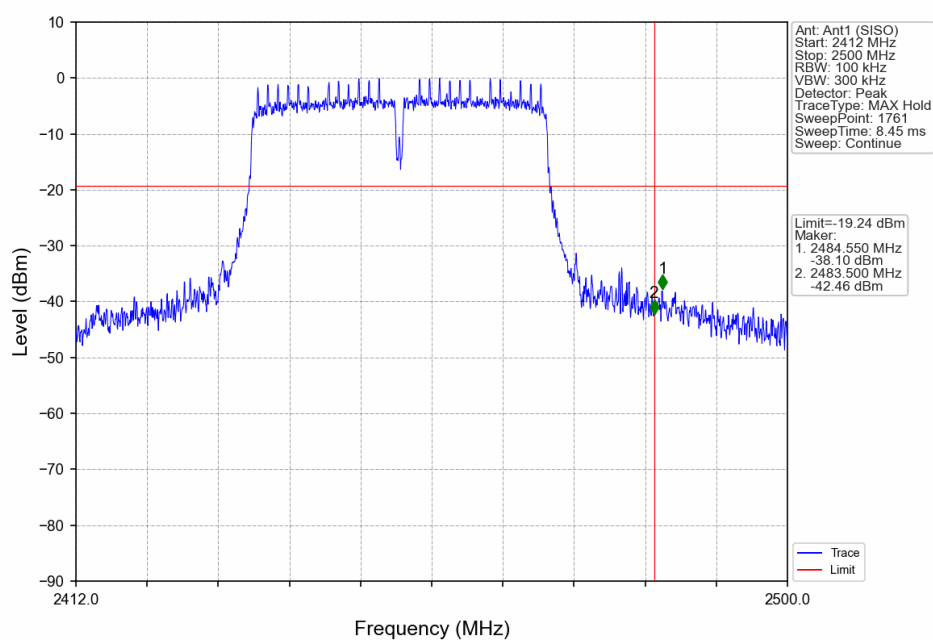
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



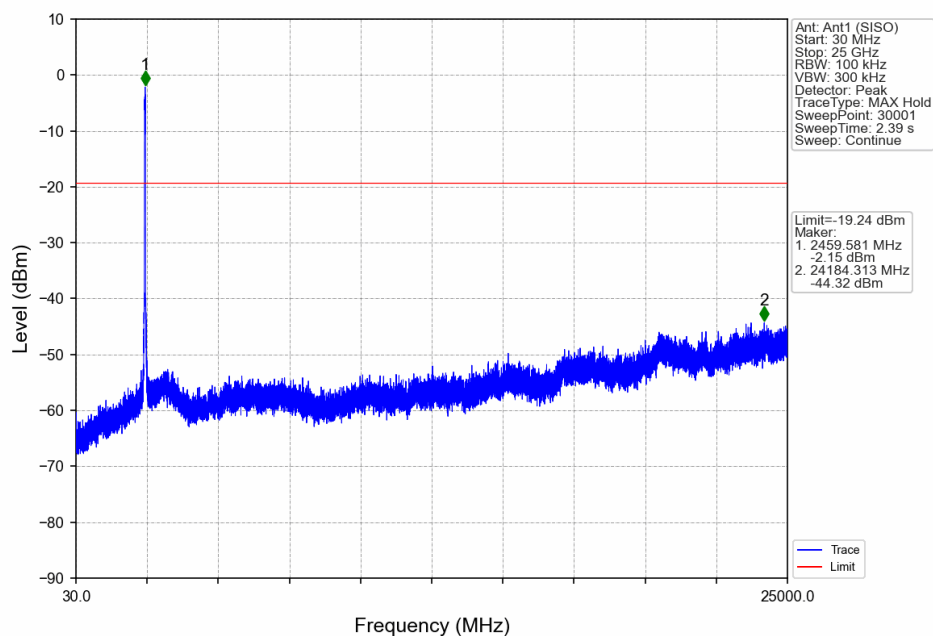
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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