

1. -6 dB Bandwidth and 99% Bandwidth Measurement

1.1 Test Result

1.1.1 OBW

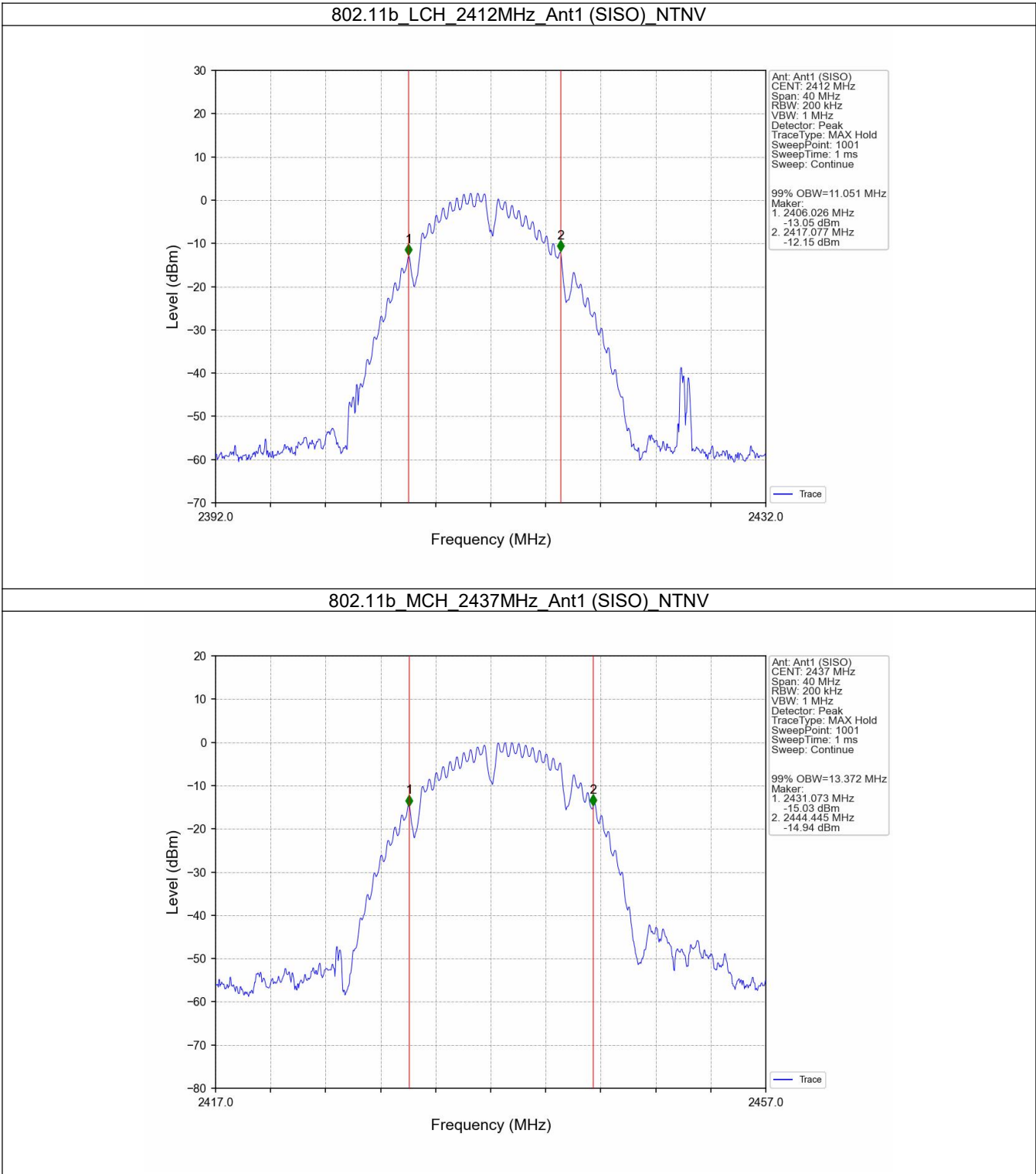
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.051	/	Pass
		2437	1	13.372	/	Pass
		2462	1	13.600	/	Pass
802.11g	SISO	2412	1	15.741	/	Pass
		2437	1	16.972	/	Pass
		2462	1	17.085	/	Pass
802.11n (HT20)	SISO	2412	1	16.857	/	Pass
		2437	1	17.807	/	Pass
		2462	1	18.074	/	Pass

1.1.2 6dB BW

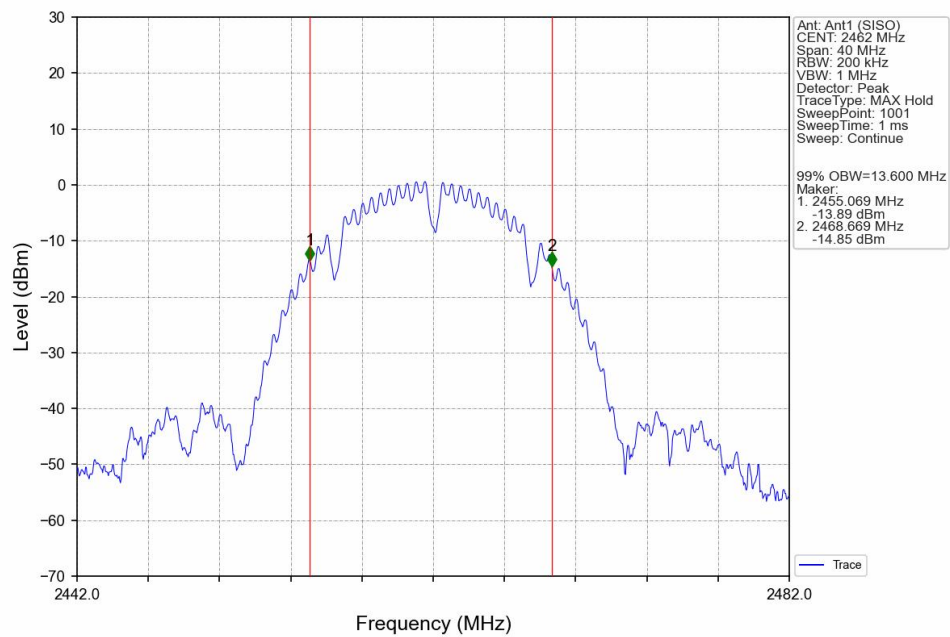
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	6.653	≥ 0.5	Pass
		2437	1	8.657	≥ 0.5	Pass
		2462	1	8.688	≥ 0.5	Pass
802.11g	SISO	2412	1	9.651	≥ 0.5	Pass
		2437	1	10.060	≥ 0.5	Pass
		2462	1	16.609	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	9.462	≥ 0.5	Pass
		2437	1	11.564	≥ 0.5	Pass
		2462	1	17.830	≥ 0.5	Pass

1.2 Test Graph

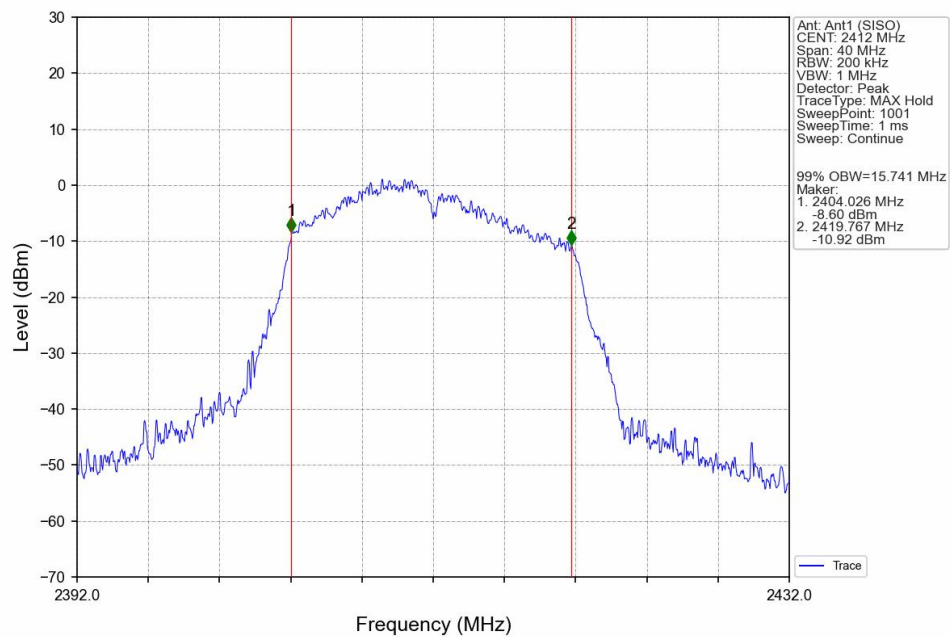
1.2.1 OBW



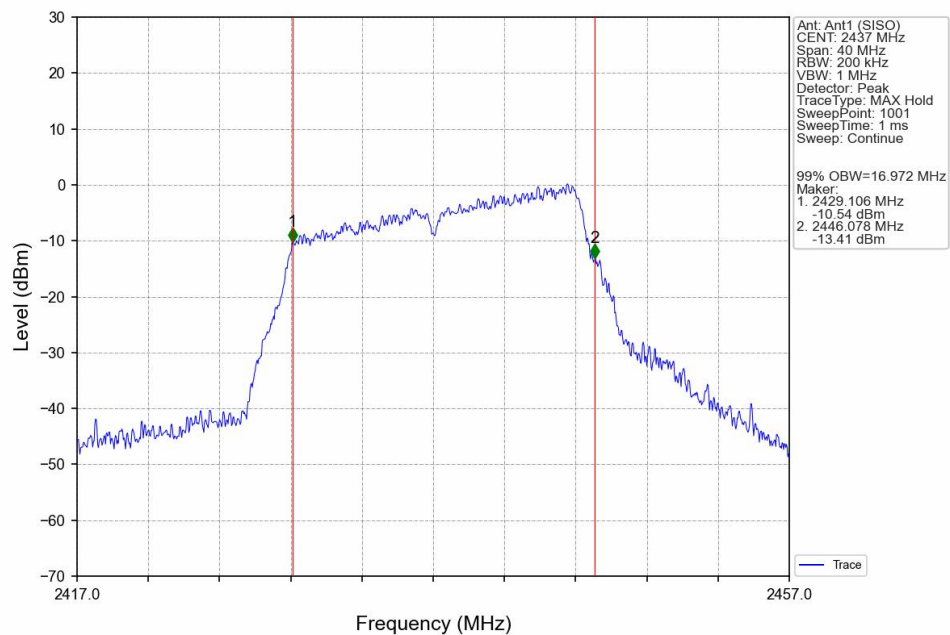
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



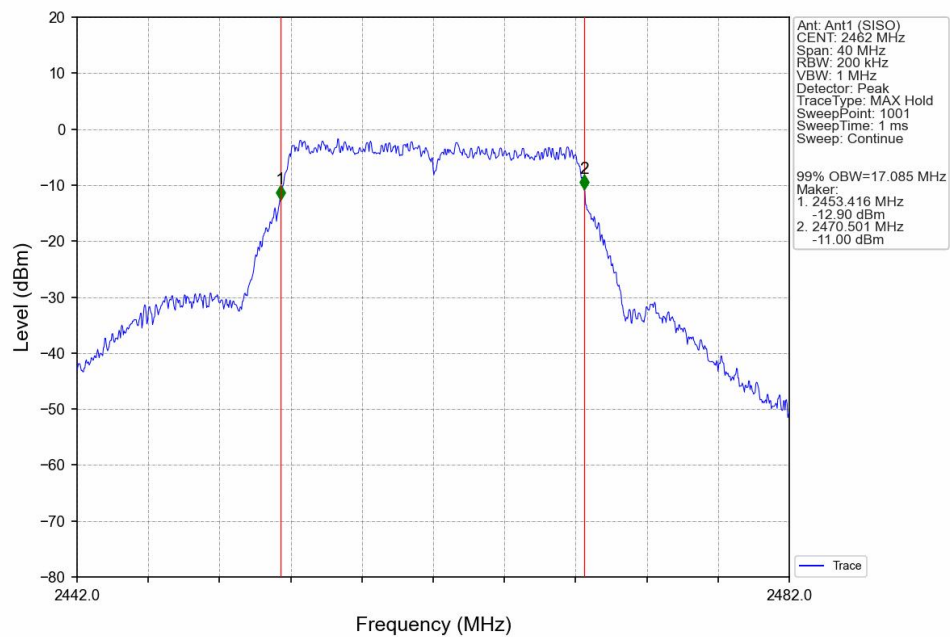
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



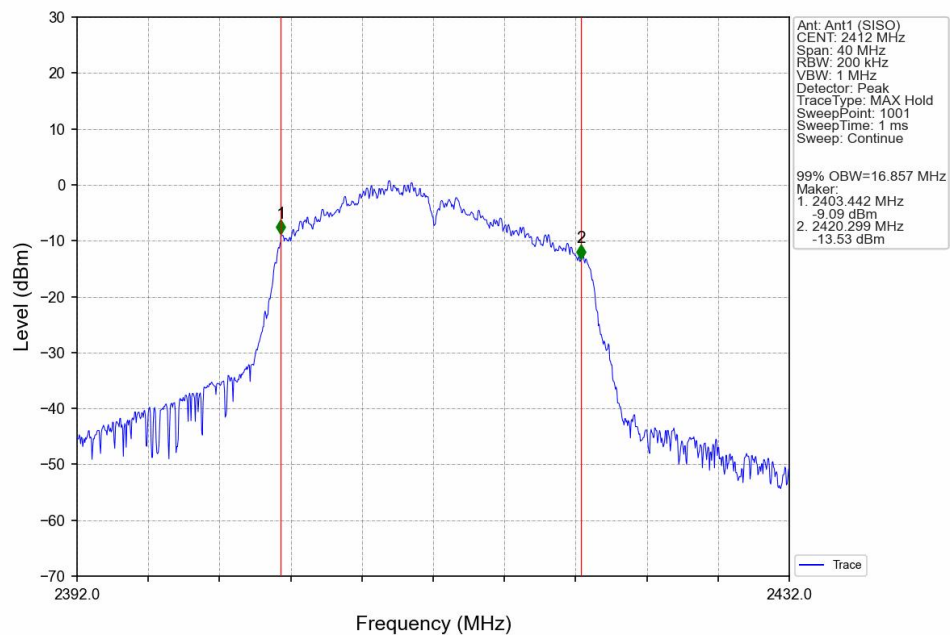
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



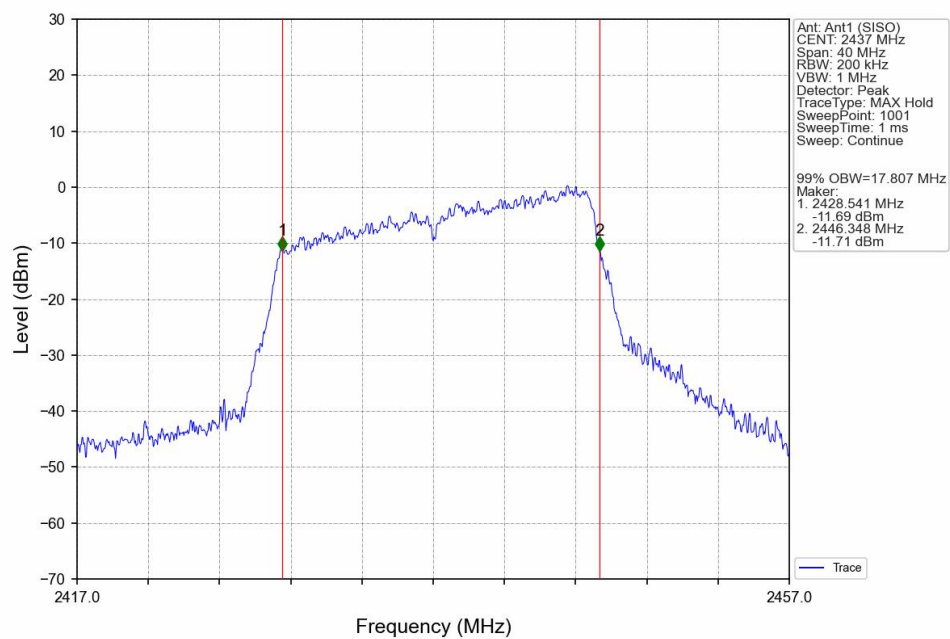
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



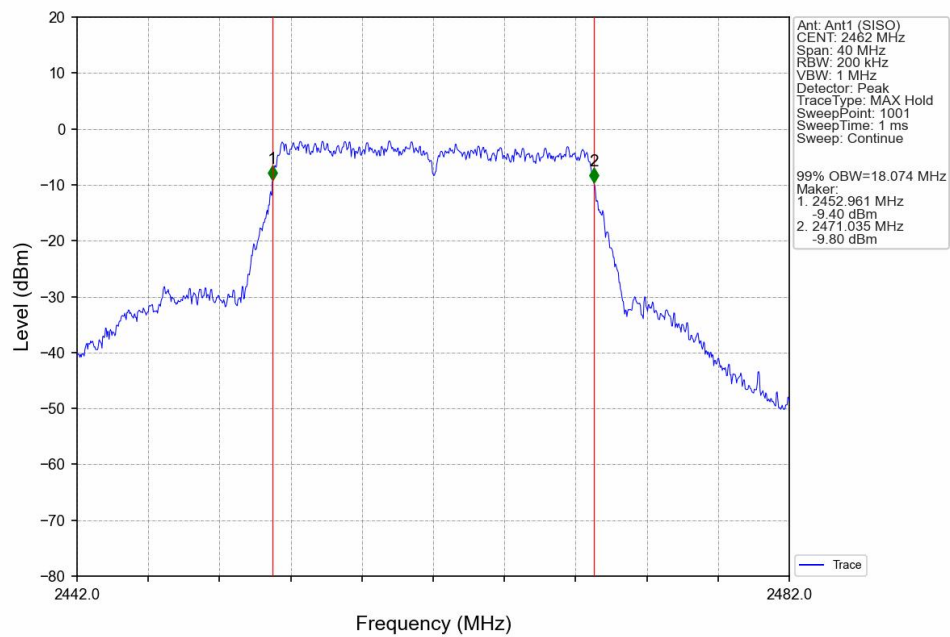
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



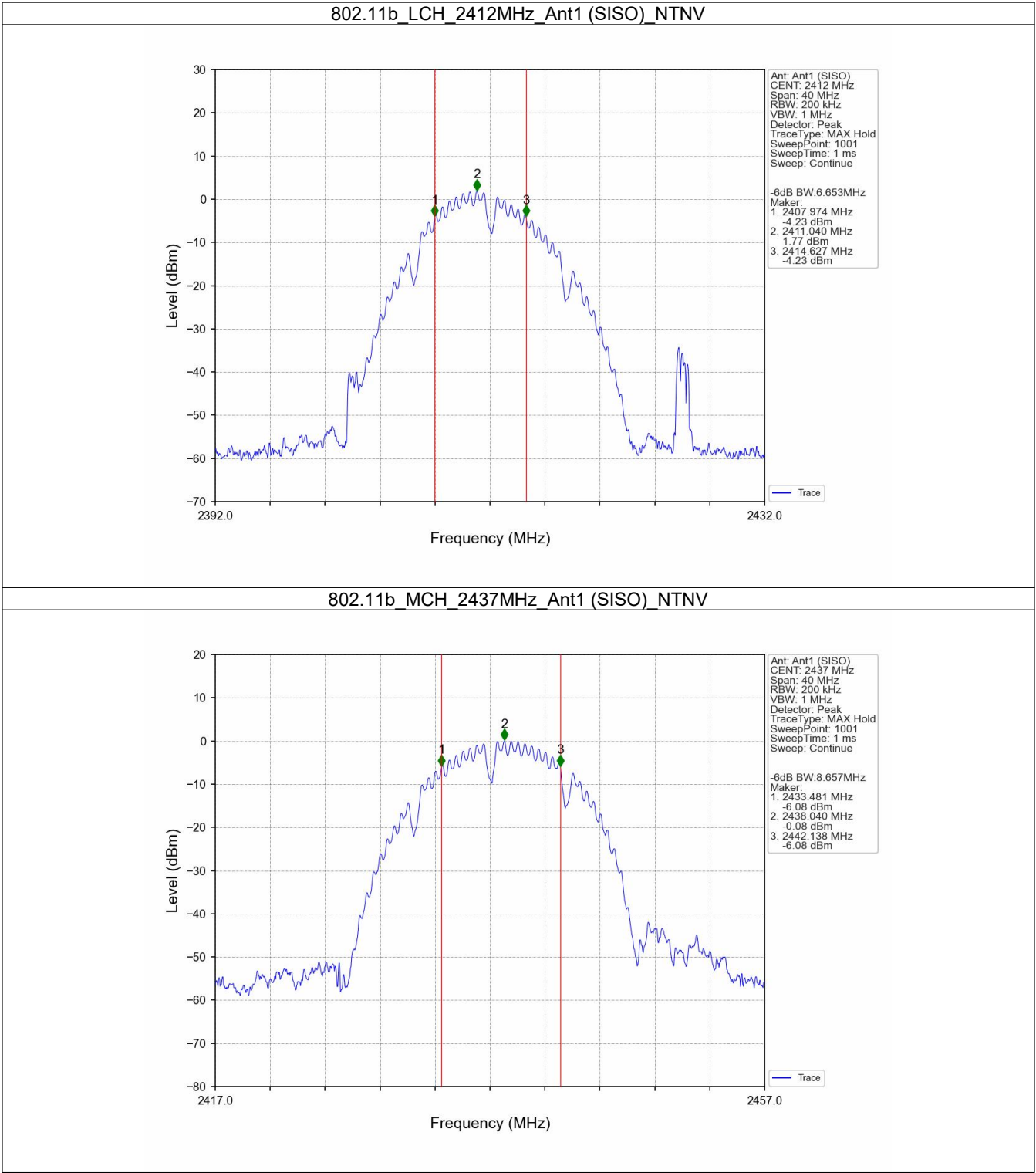
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



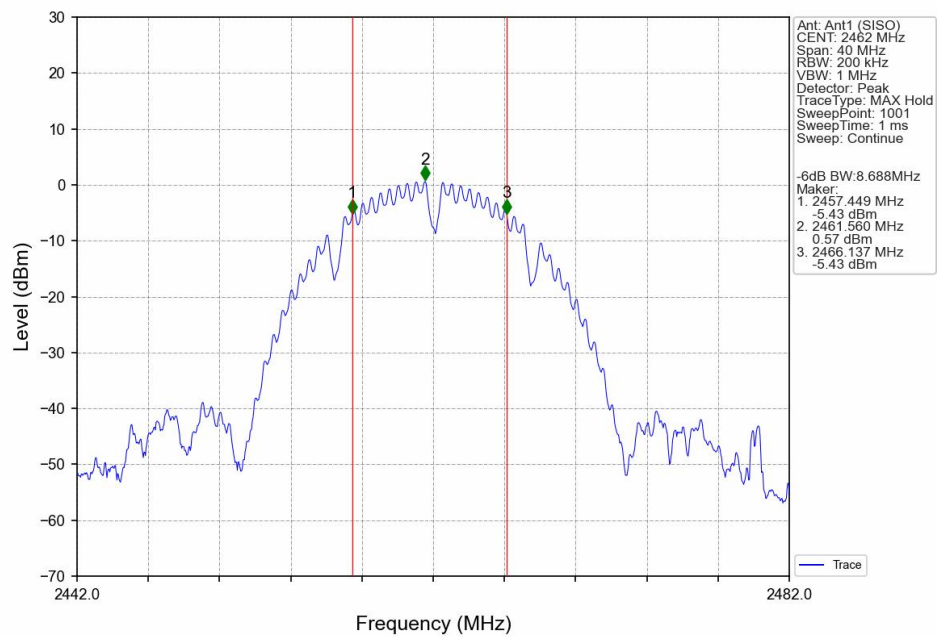
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



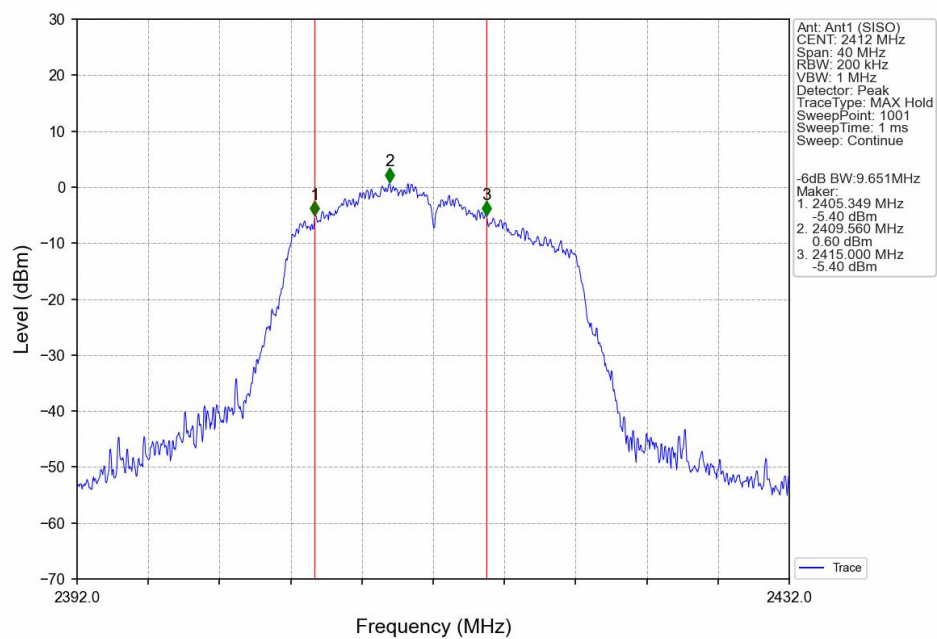
1.2.2 6dB BW



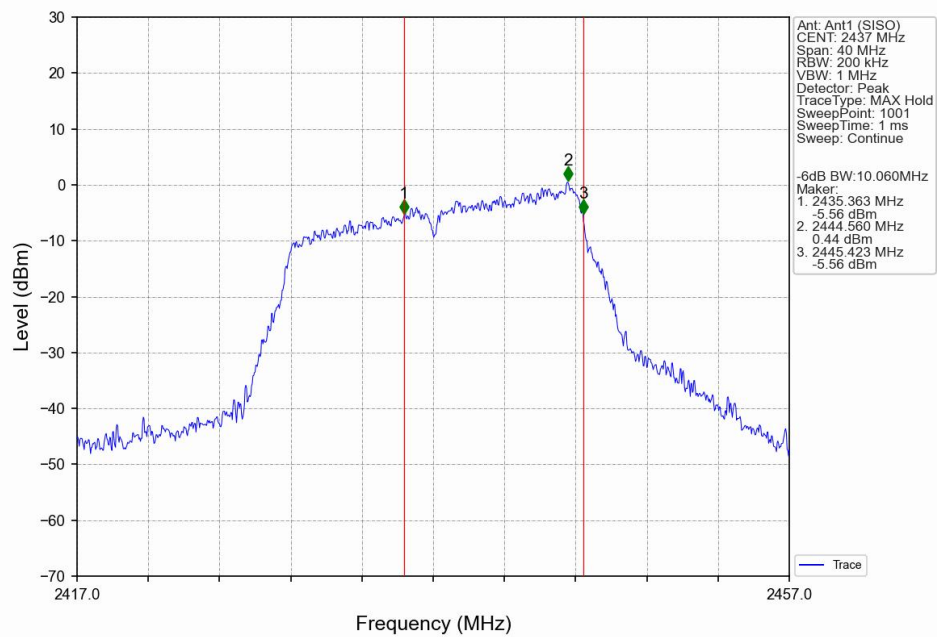
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



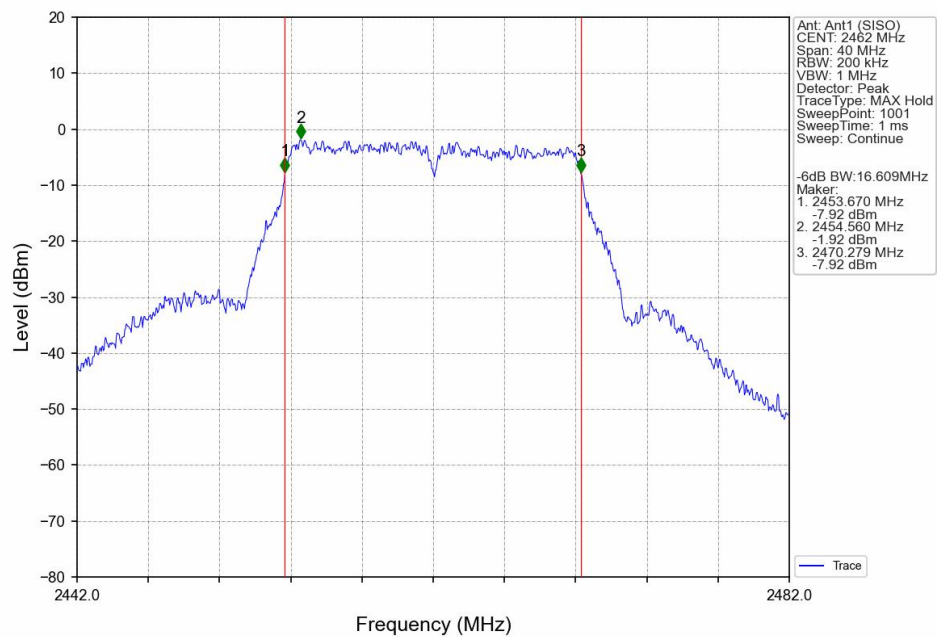
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



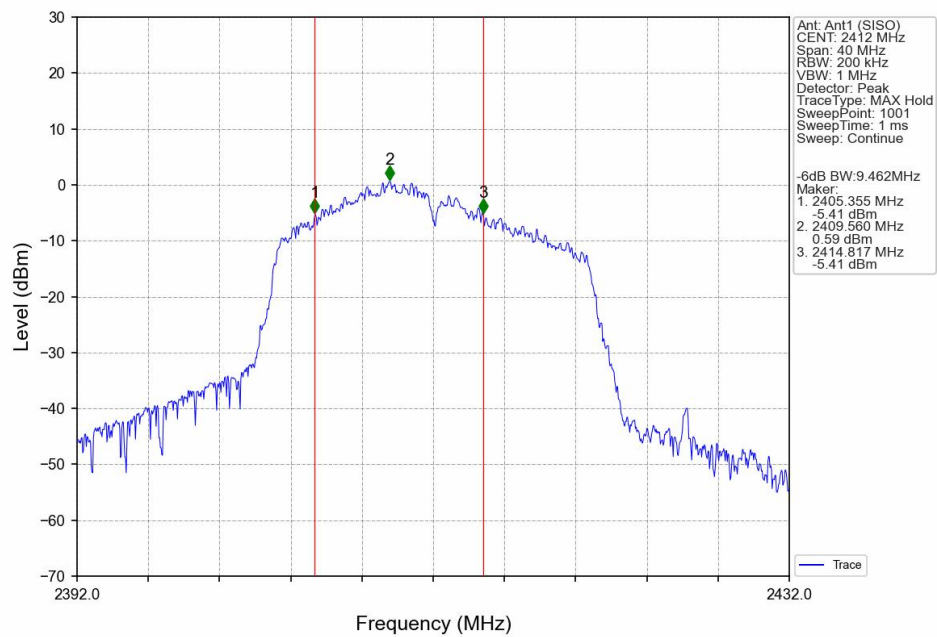
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



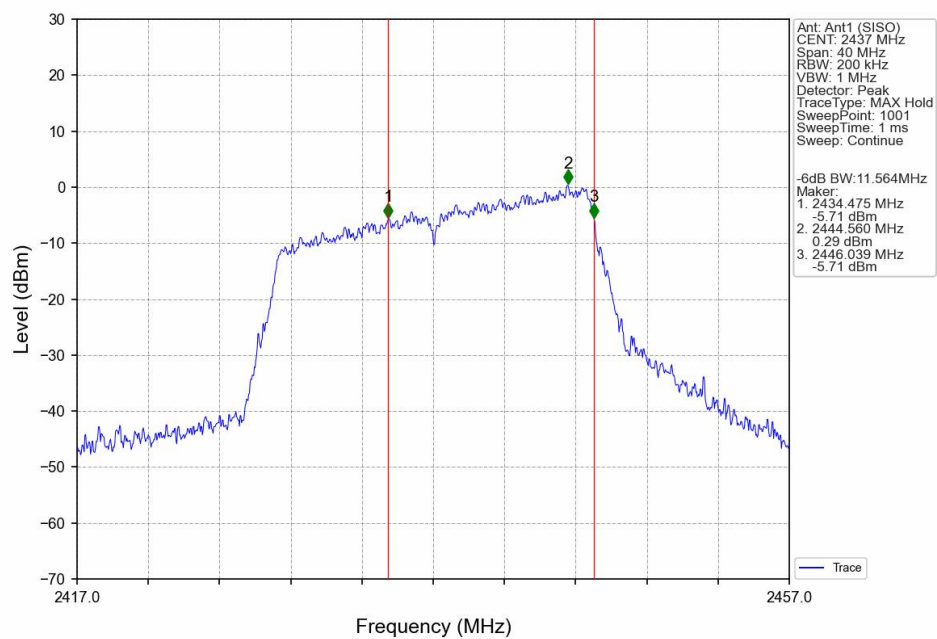
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



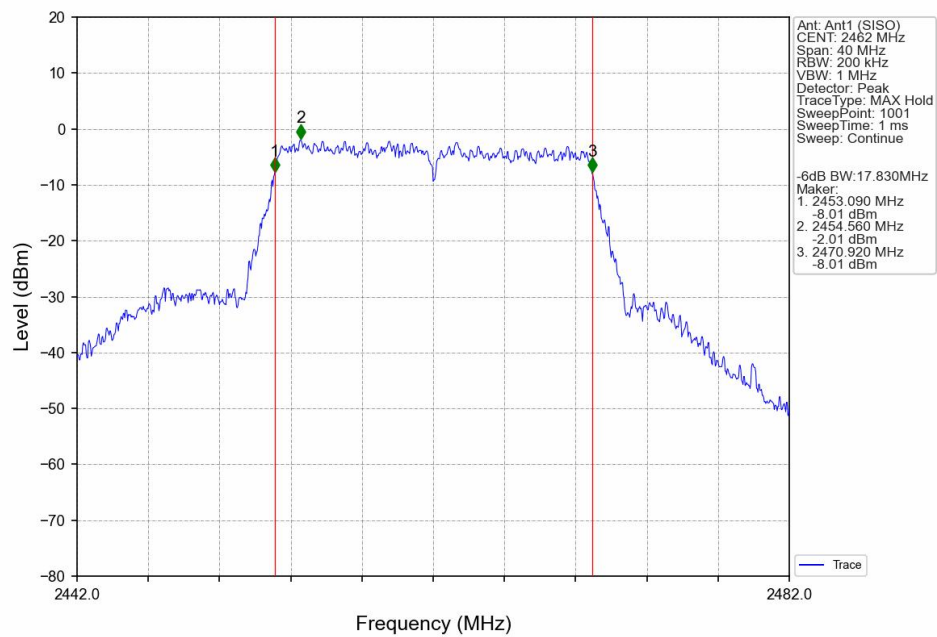
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

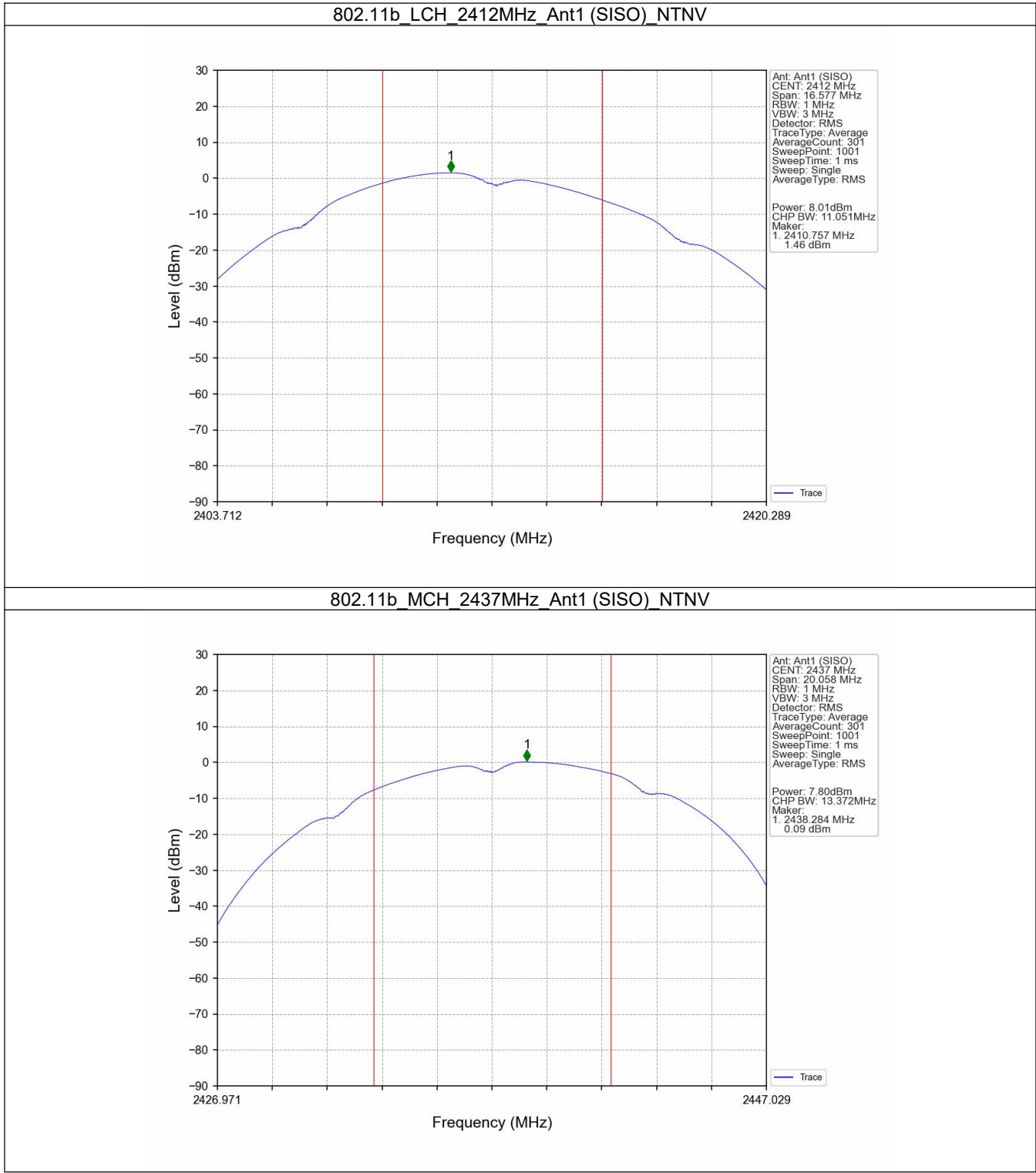
2.1 Test Result

2.1.1 Power

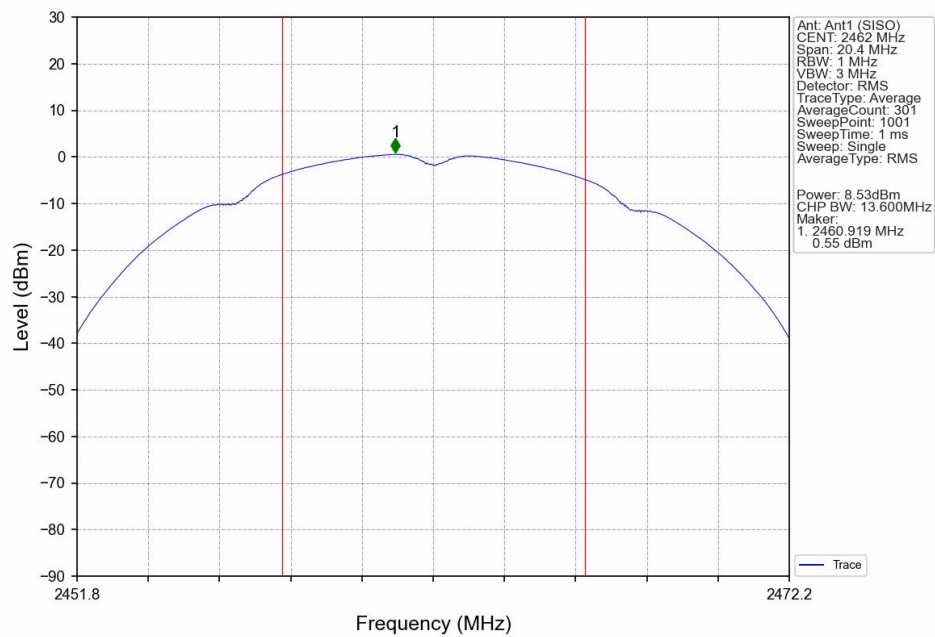
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	8.01	<=30	Pass
		2437	7.80	<=30	Pass
		2462	8.53	<=30	Pass
802.11g	SISO	2412	7.75	<=30	Pass
		2437	7.30	<=30	Pass
		2462	7.97	<=30	Pass
802.11n (HT20)	SISO	2412	7.49	<=30	Pass
		2437	7.39	<=30	Pass
		2462	7.95	<=30	Pass
Note1: Antenna Gain: Ant1: 2.06dBi;					

2.2 Test Graph

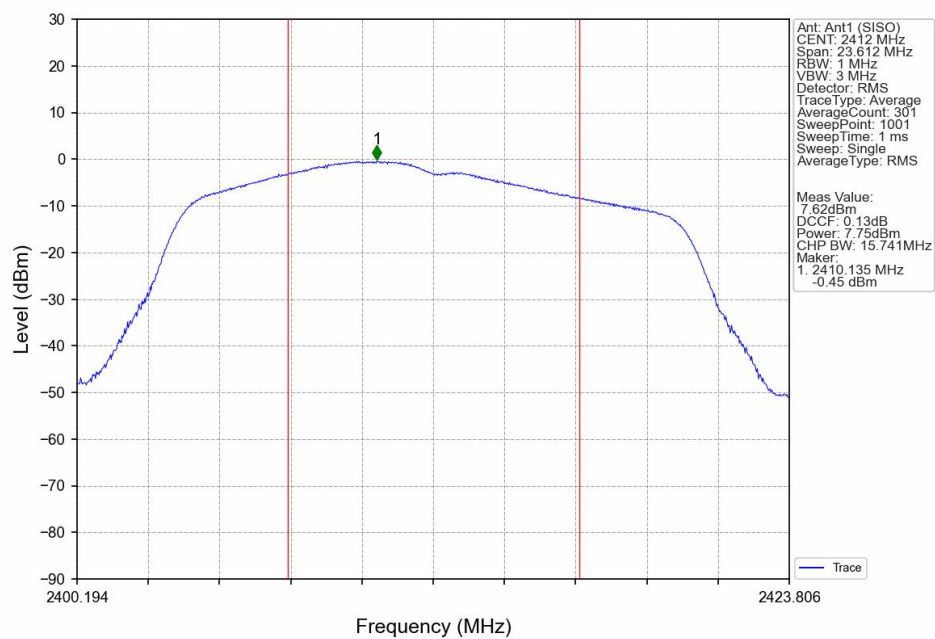
2.2.1 Power



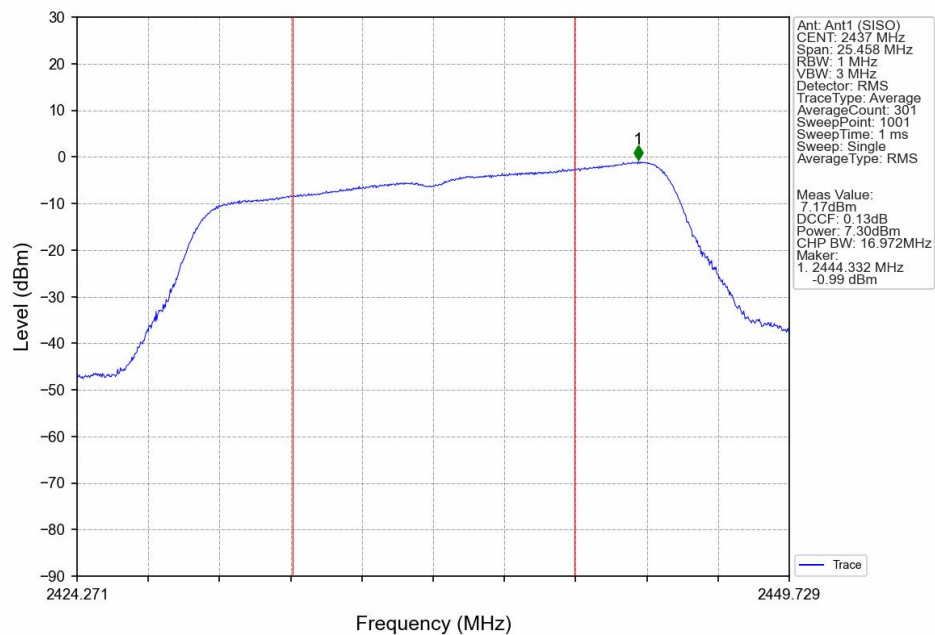
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



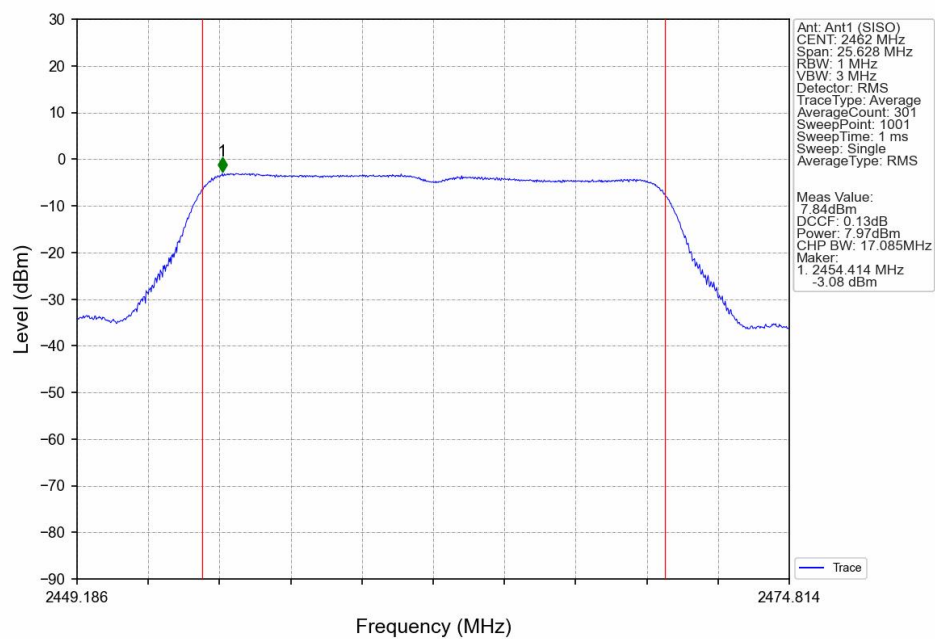
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



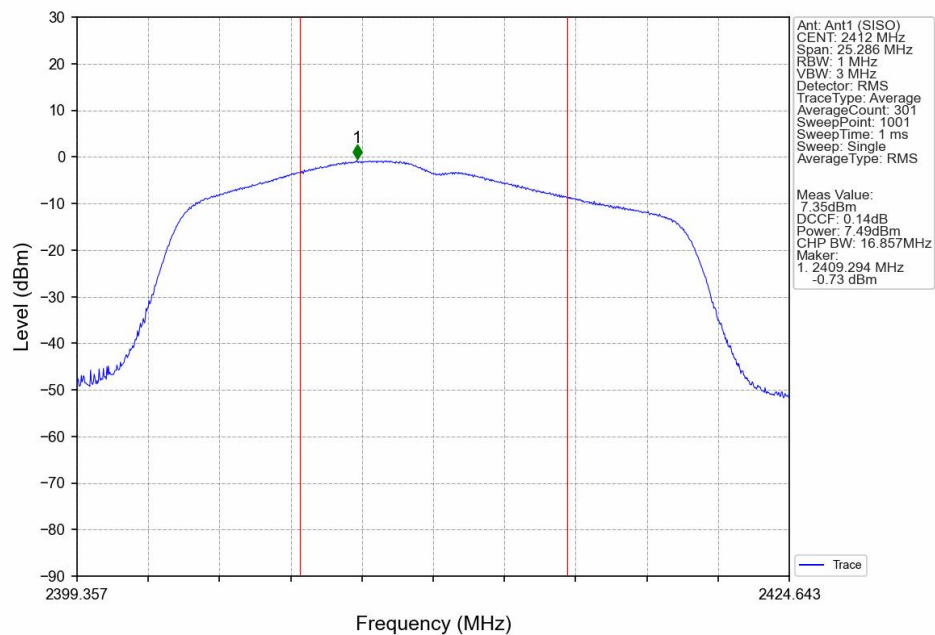
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



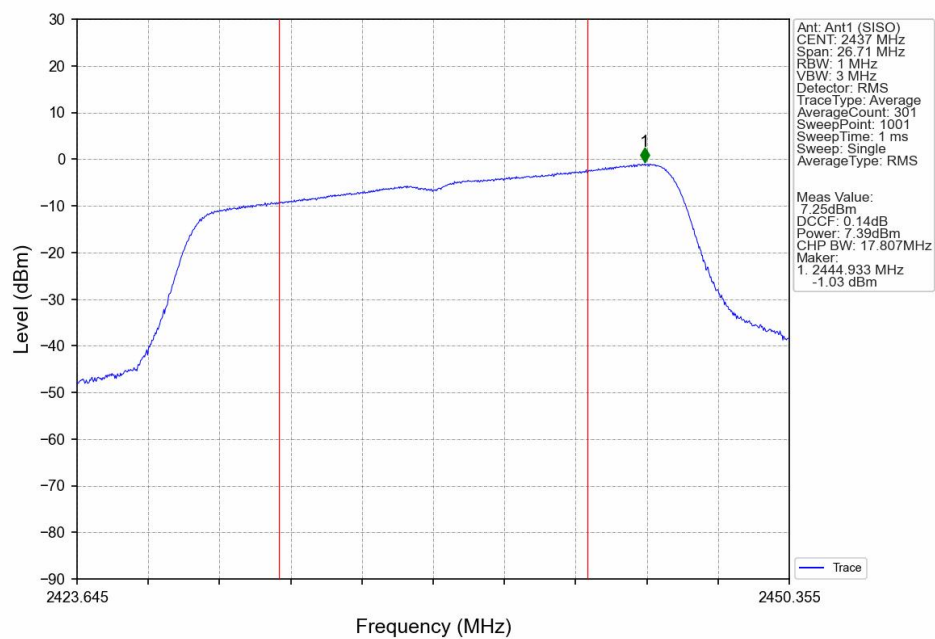
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



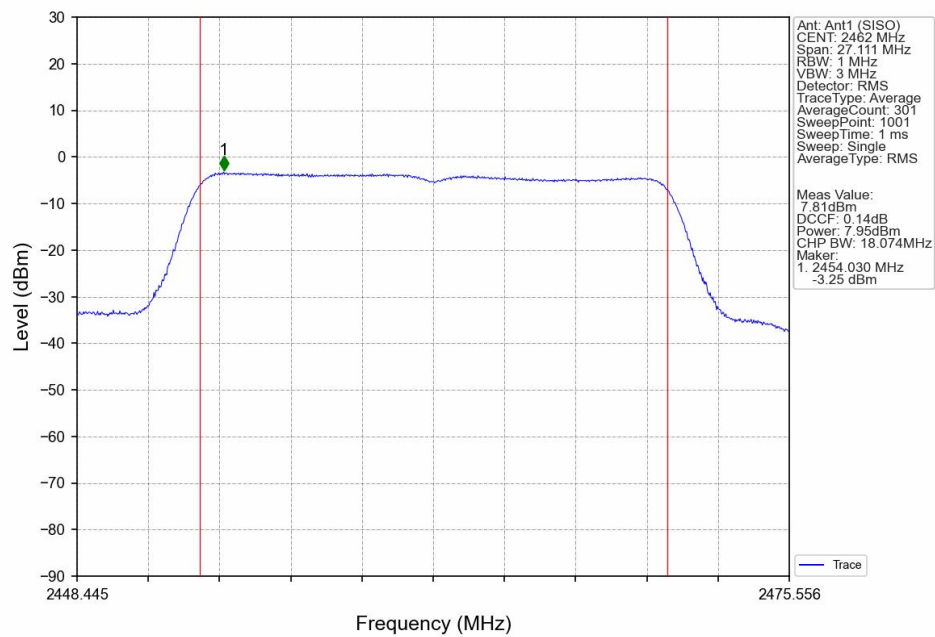
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



3. Maximum Power Spectral Density

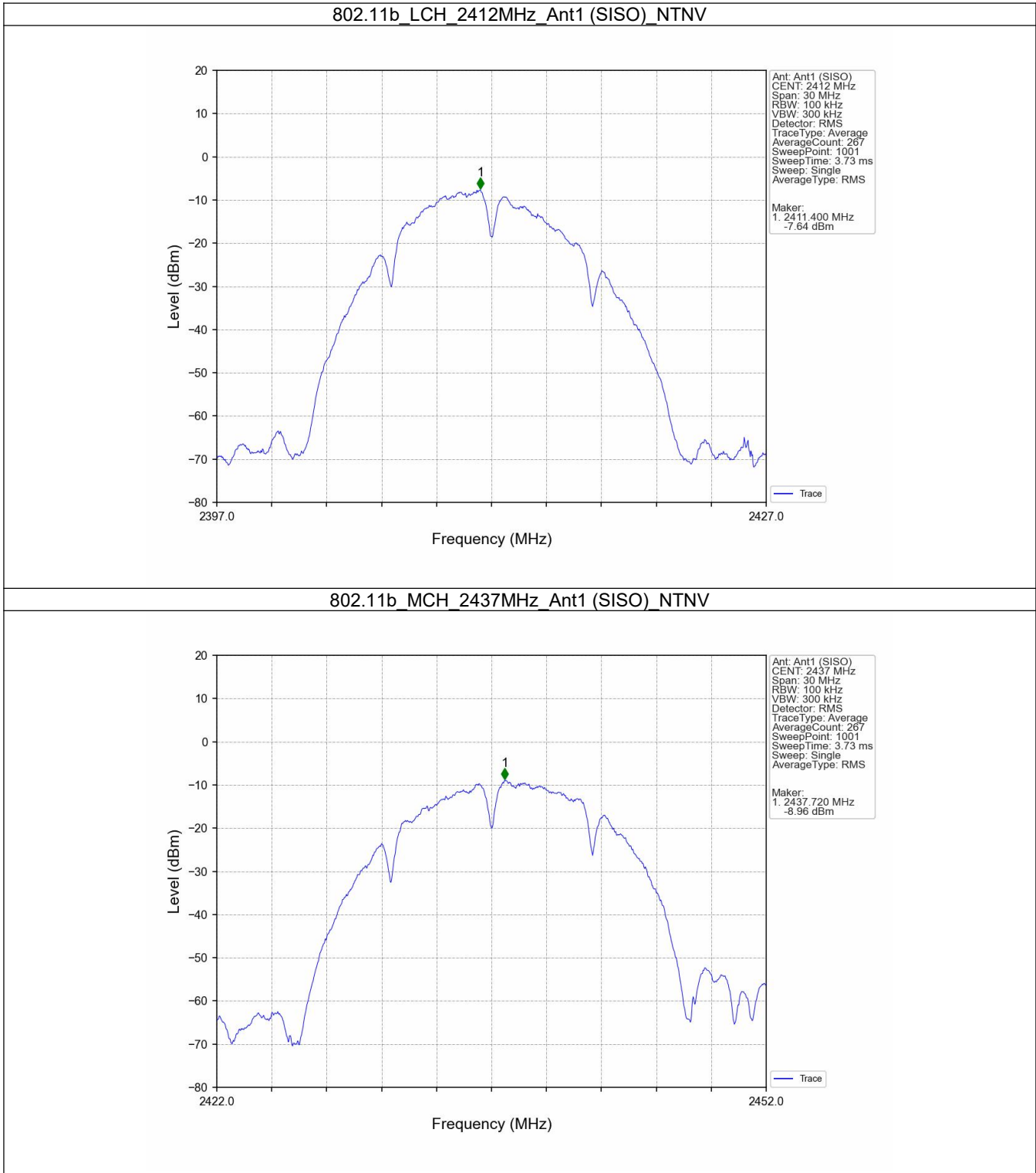
3.1 Test Result

3.1.1 PSD

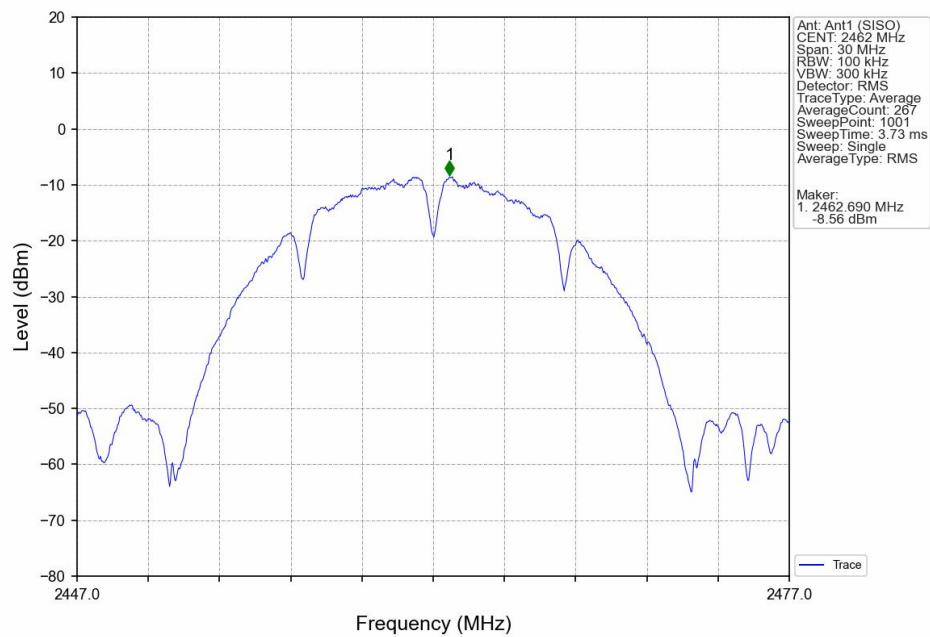
Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1(dBm/100kHz)	Limit(dBm/3kHz)	
802.11b	SISO	2412	-7.64	<=8	Pass
		2437	-8.96	<=8	Pass
		2462	-8.56	<=8	Pass
802.11g	SISO	2412	-9.42	<=8	Pass
		2437	-9.82	<=8	Pass
		2462	-12.09	<=8	Pass
802.11n (HT20)	SISO	2412	-9.61	<=8	Pass
		2437	-9.64	<=8	Pass
		2462	-12.20	<=8	Pass
Note1: Antenna Gain: Ant1: 2.06dBi;					

3.2 Test Graph

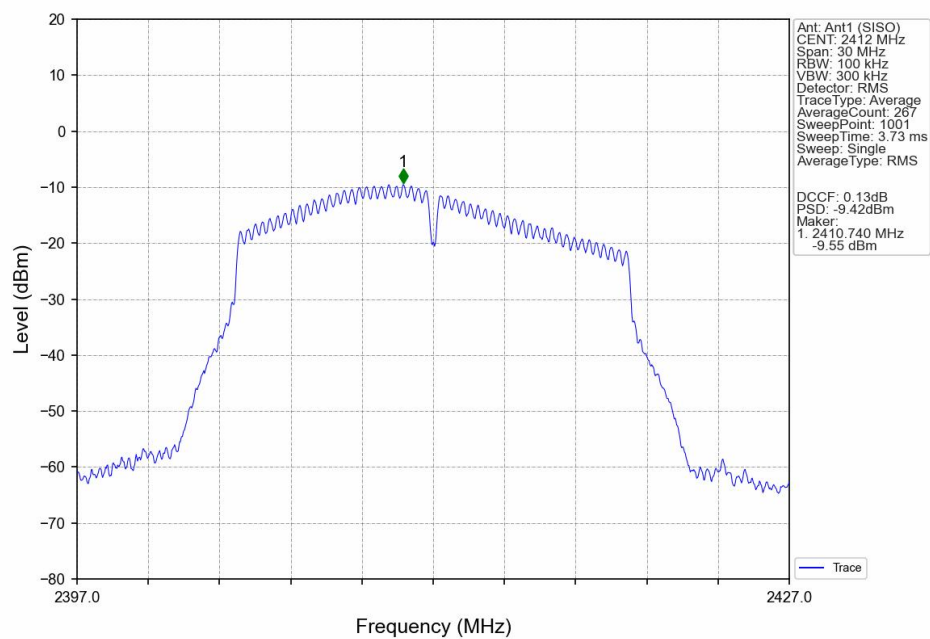
3.2.1 PSD



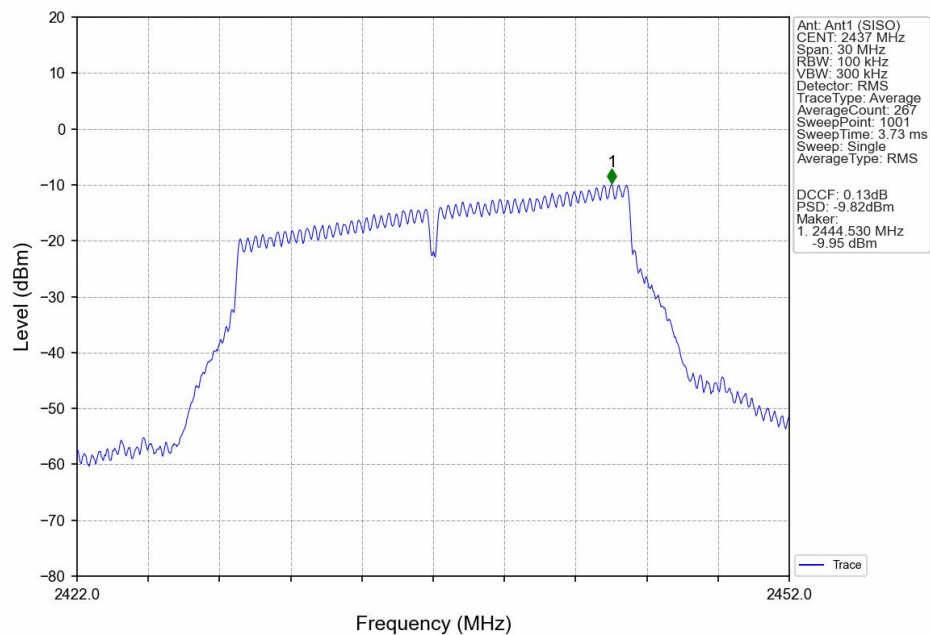
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



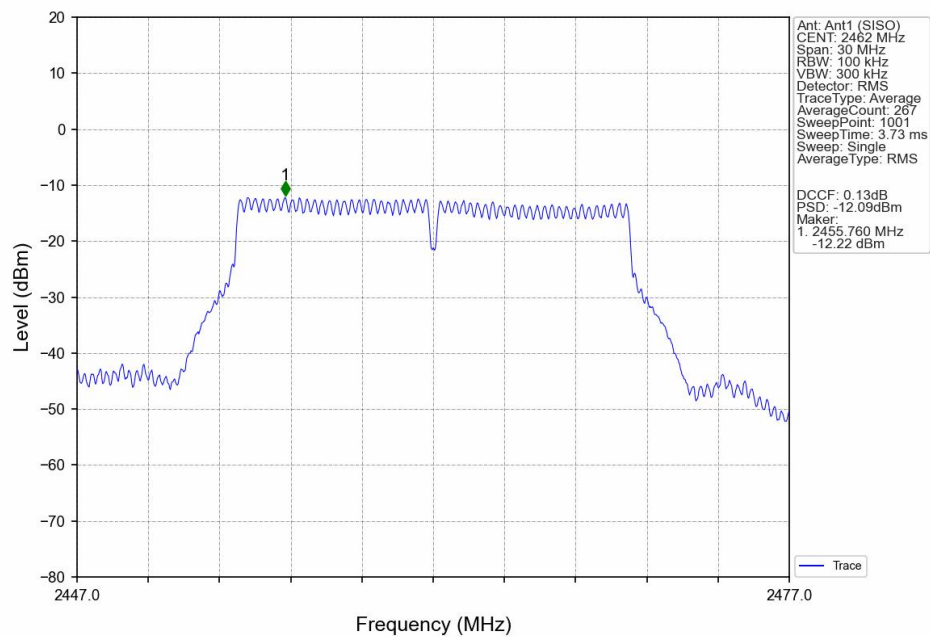
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



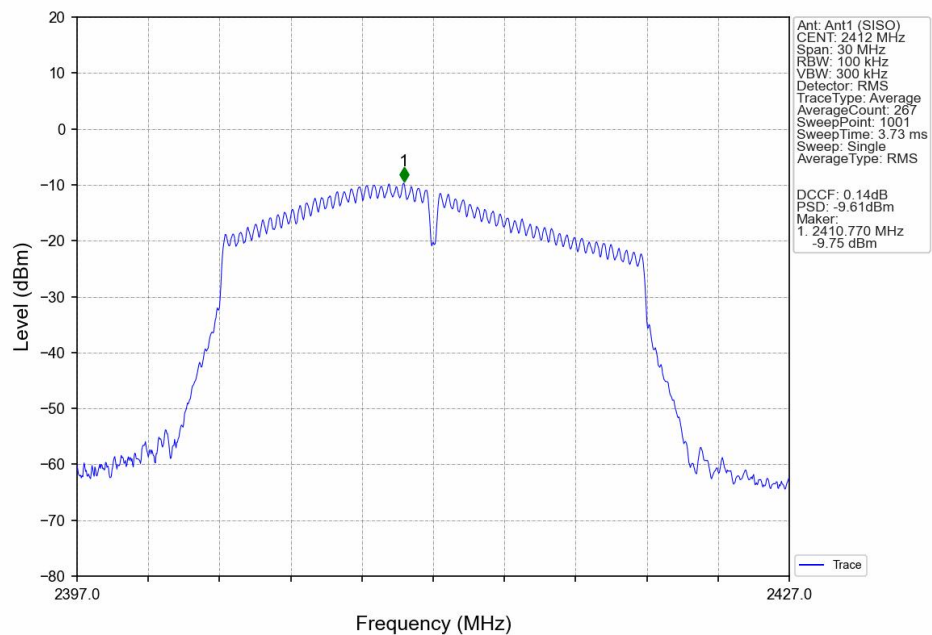
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



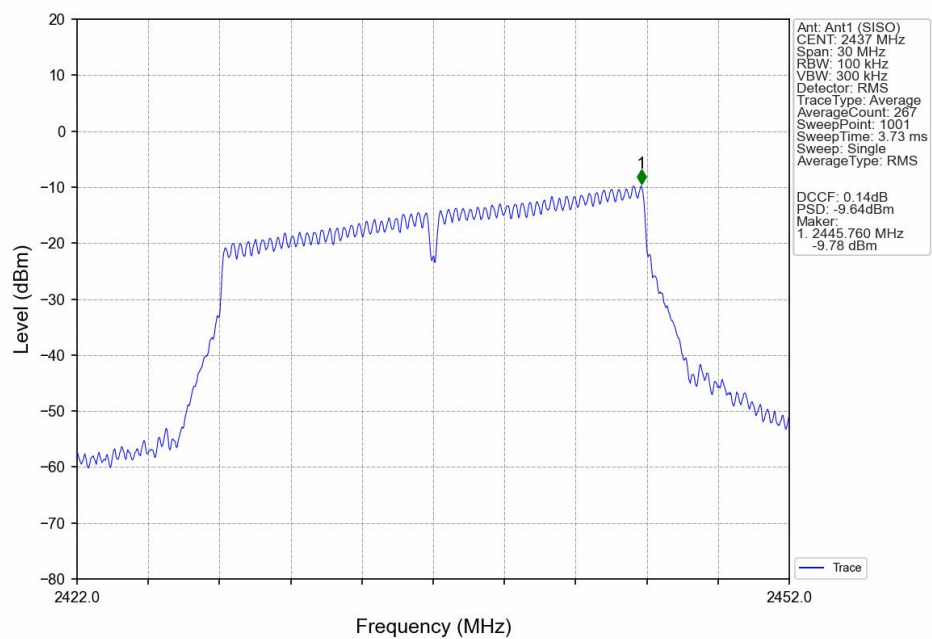
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



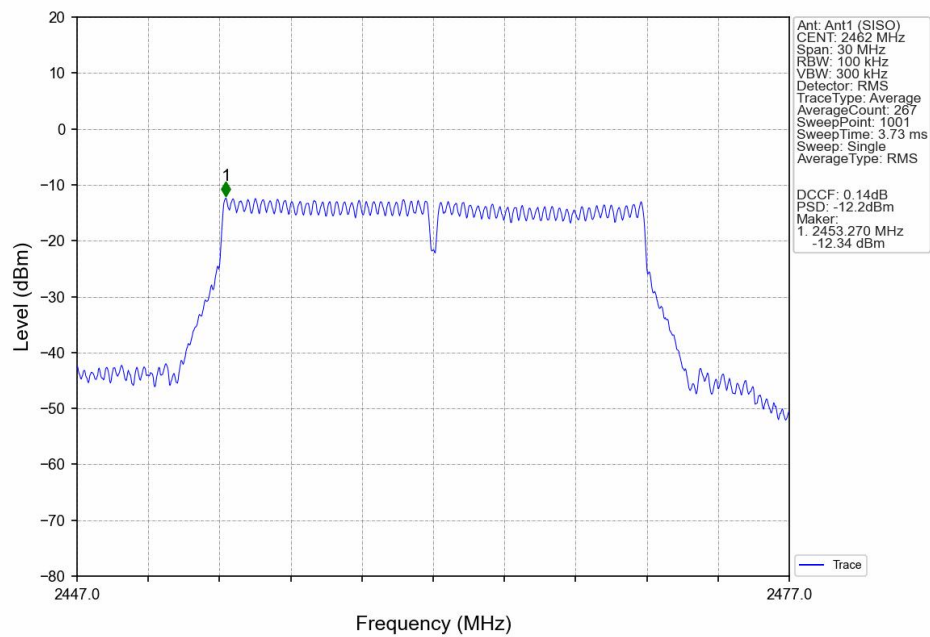
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.55
		2437	1	-0.12
		2462	1	0.42
802.11g	SISO	2412	1	-0.74
		2437	1	-1.30
		2462	1	-2.75
802.11n (HT20)	SISO	2412	1	-0.85
		2437	1	-1.44
		2462	1	-2.98

4.1.2 CSE

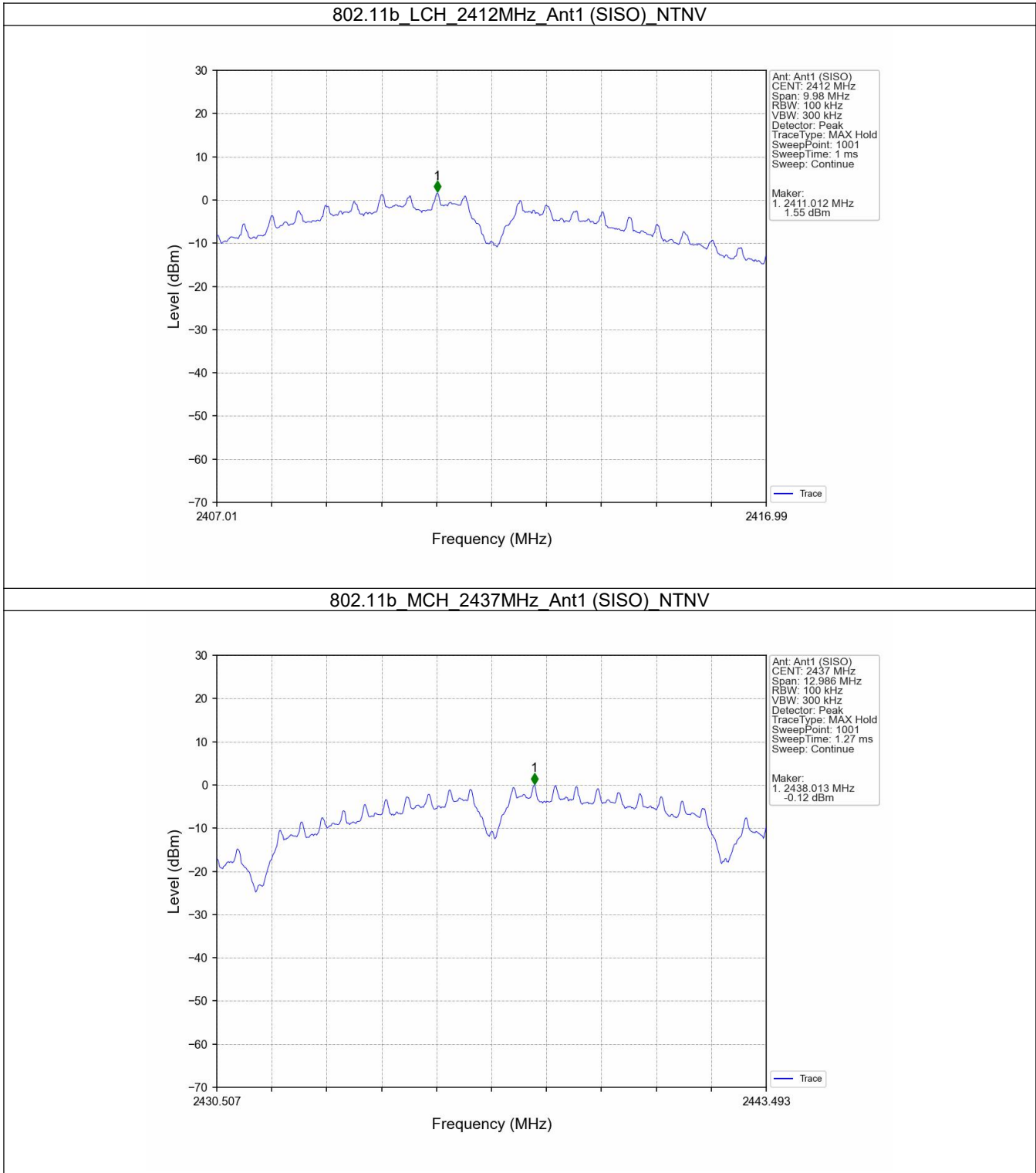
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.55	-28.45	Pass
		2437	1	-0.12	-30.12	Pass
		2462	1	0.42	-29.58	Pass
802.11g	SISO	2412	1	-0.74	-30.74	Pass
		2437	1	-1.30	-31.30	Pass
		2462	1	-2.75	-32.75	Pass
802.11n (HT20)	SISO	2412	1	-0.85	-30.85	Pass
		2437	1	-1.44	-31.44	Pass
		2462	1	-2.98	-32.98	Pass

4.1.3. Band Edge Measurement

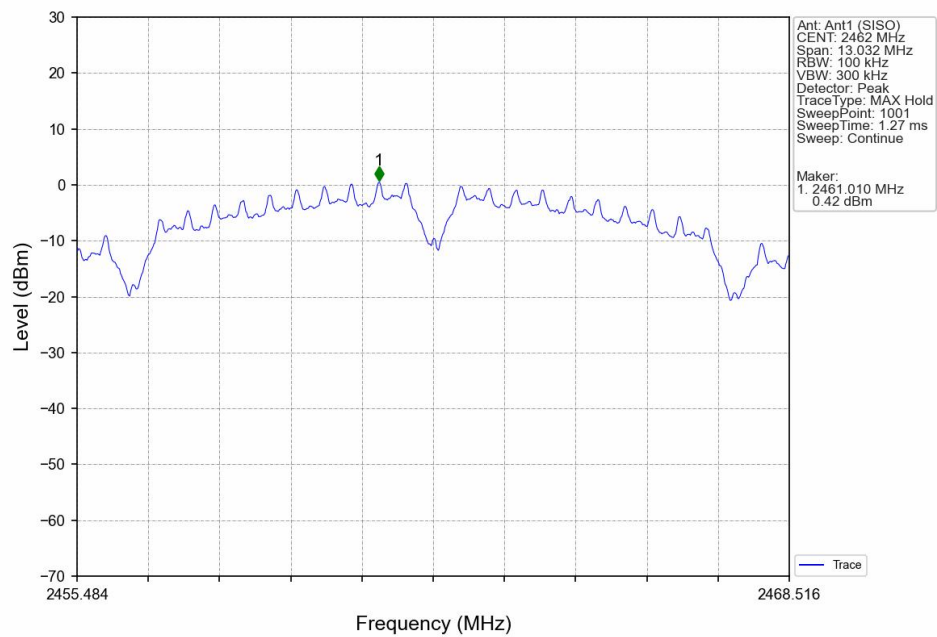
Mode	Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
802.11b	2412	-57.91	-28.45	Pass
	2462	-56.91	-30.12	Pass
802.11g	2412	-44.42	-29.58	Pass
	2462	-51.97	-30.74	Pass
802.11n (HT20)	2412	-40.58	-31.30	Pass
	2462	-51.20	-32.75	Pass

4.2 Test Graph

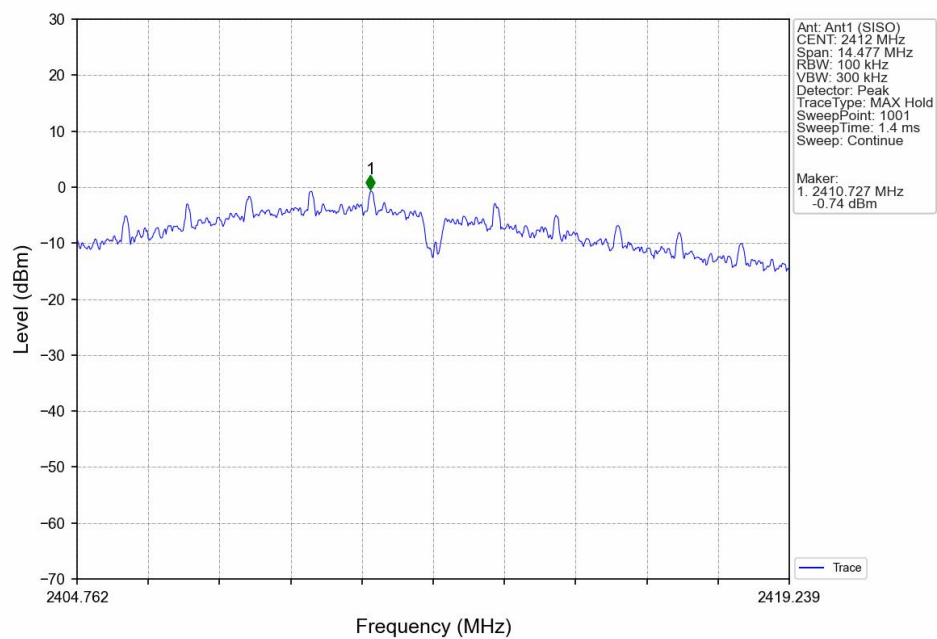
4.2.1 Ref



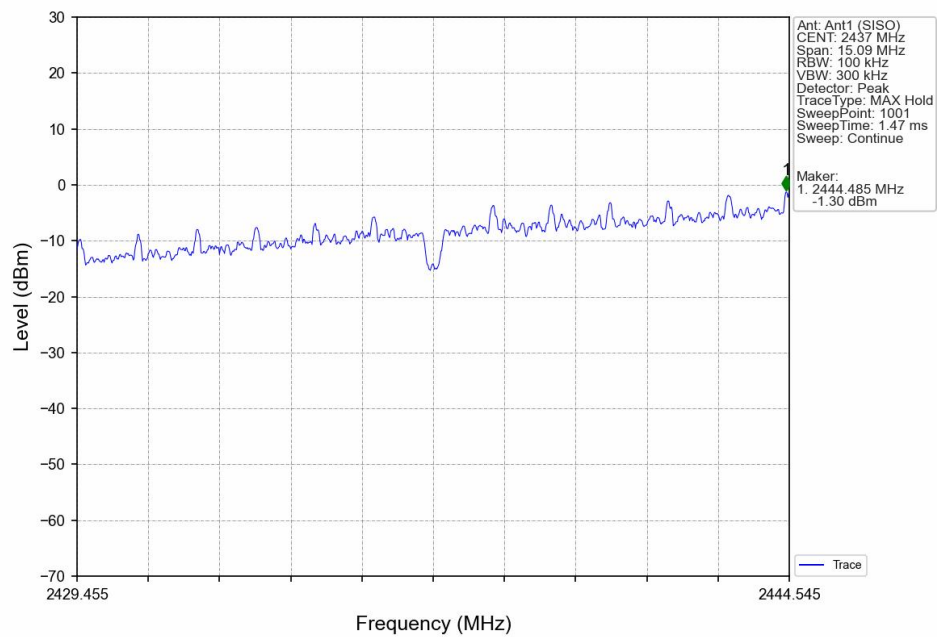
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



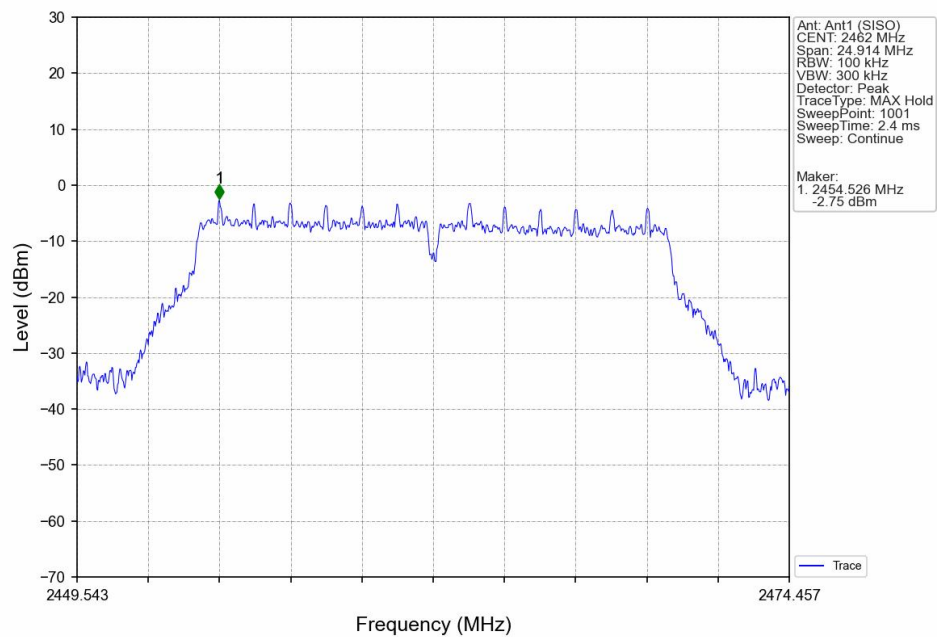
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



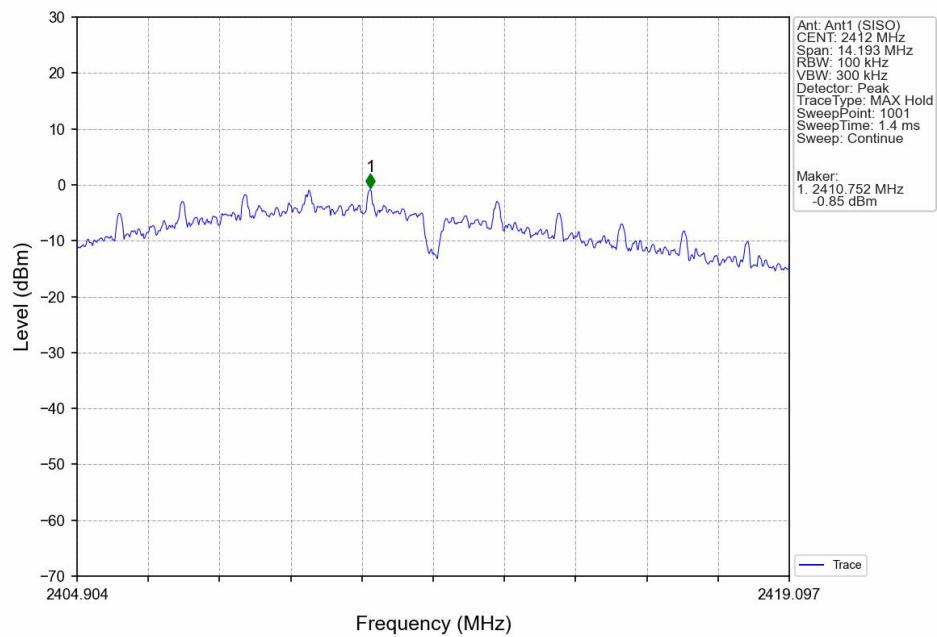
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



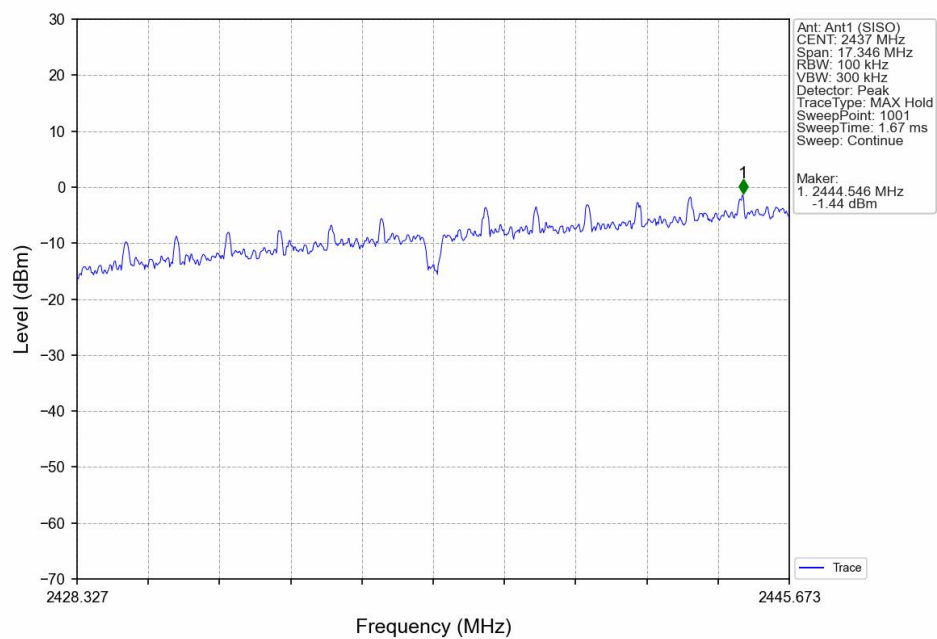
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



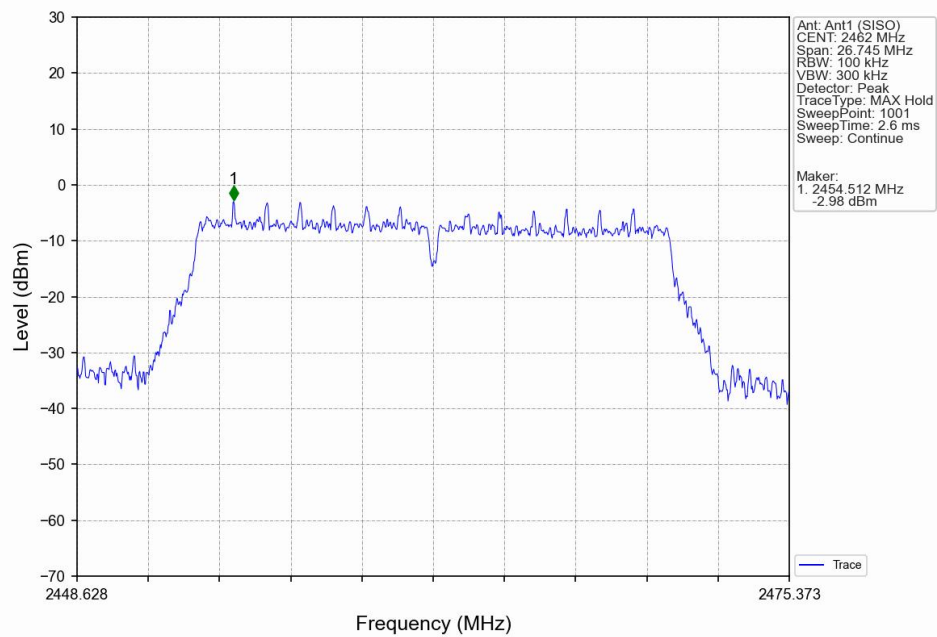
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



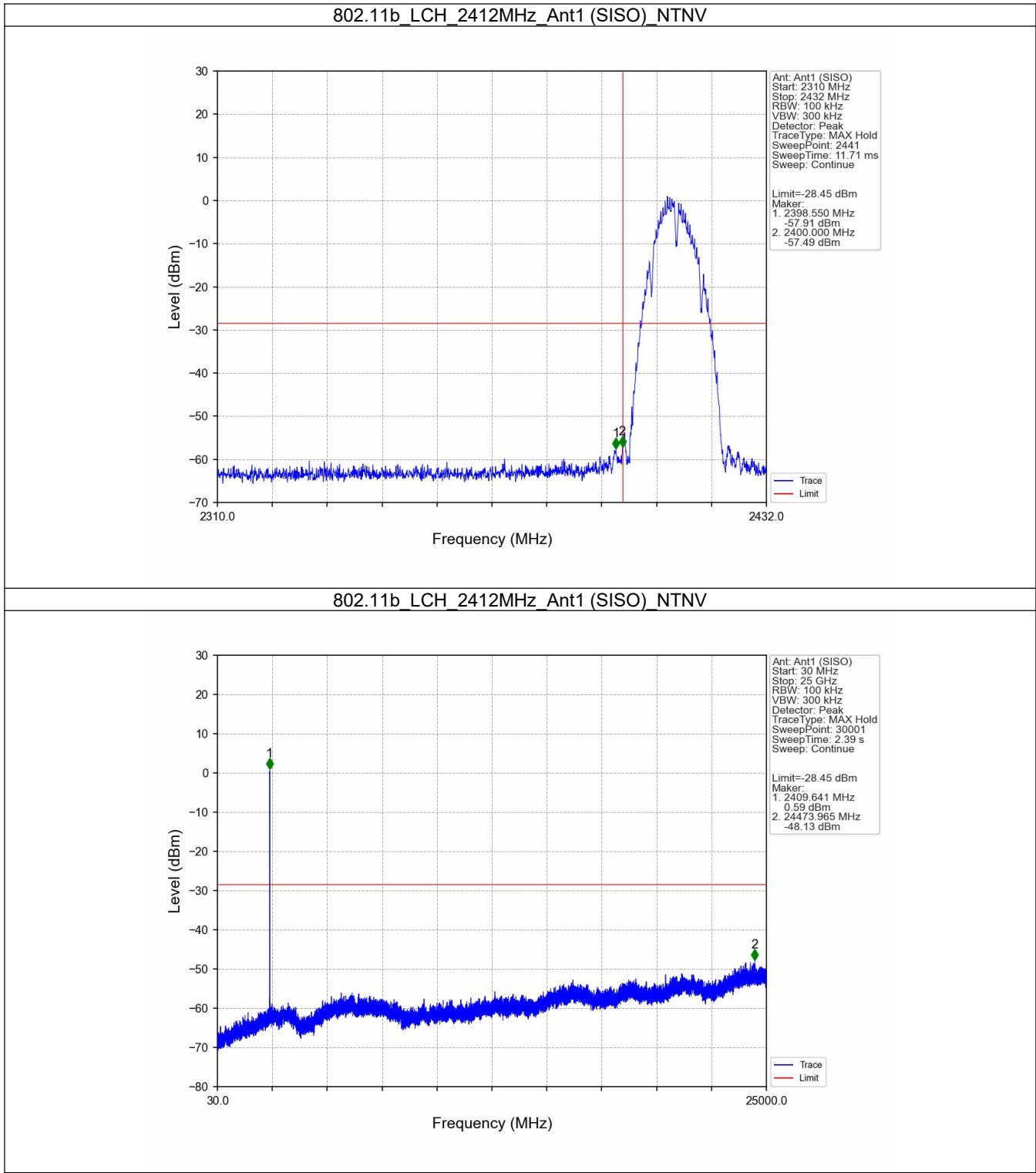
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



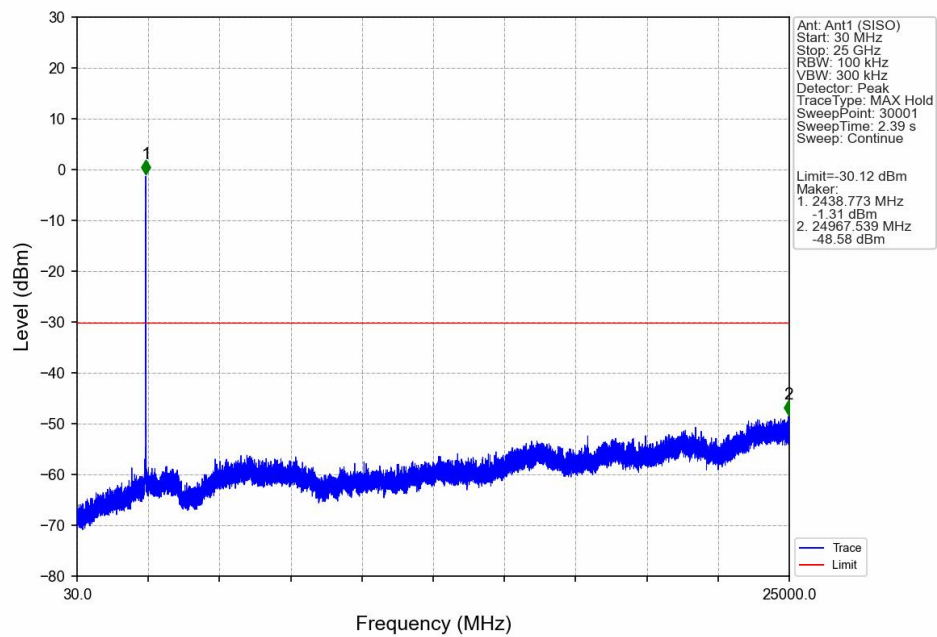
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



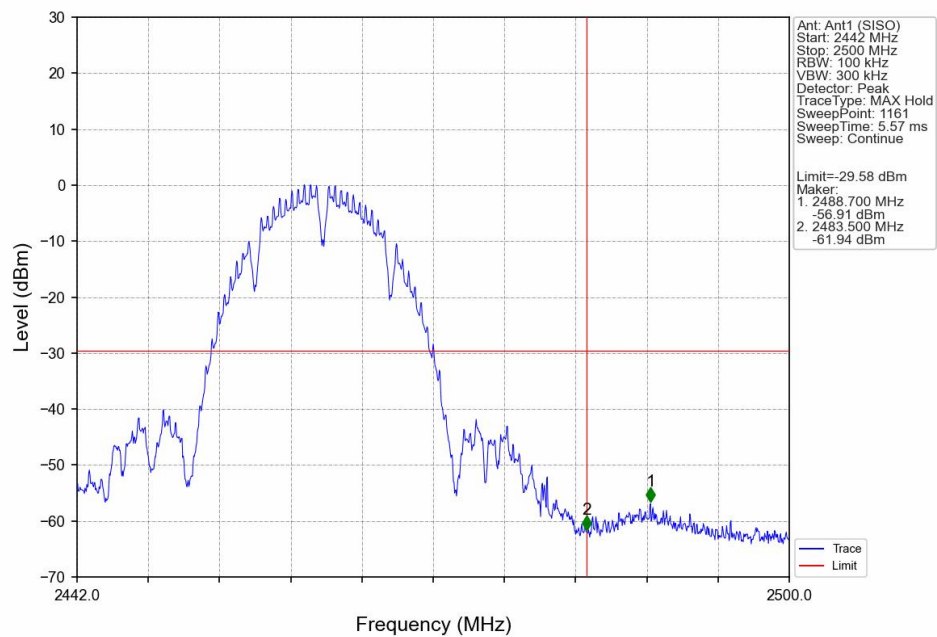
4.2.2 CSE



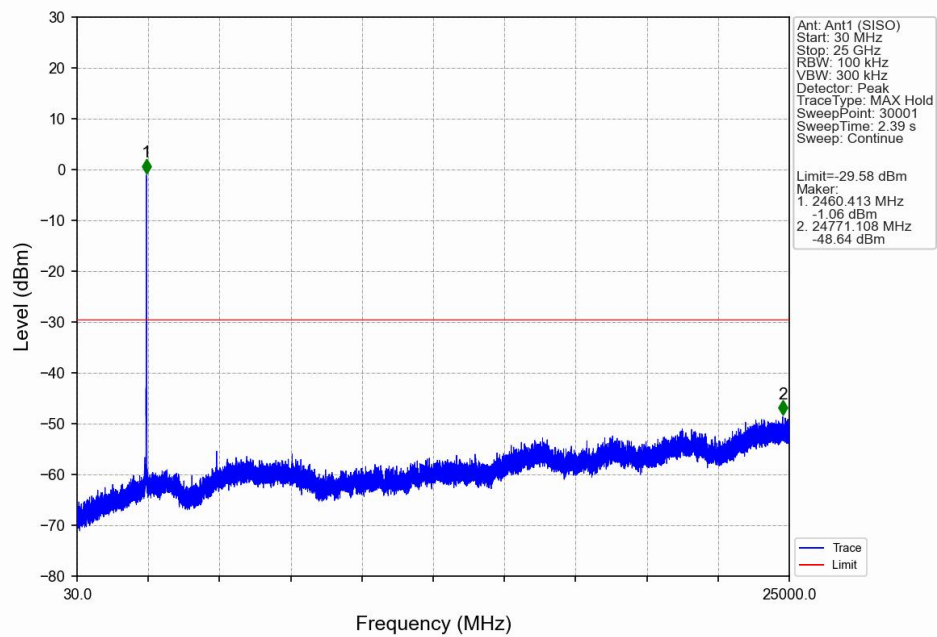
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



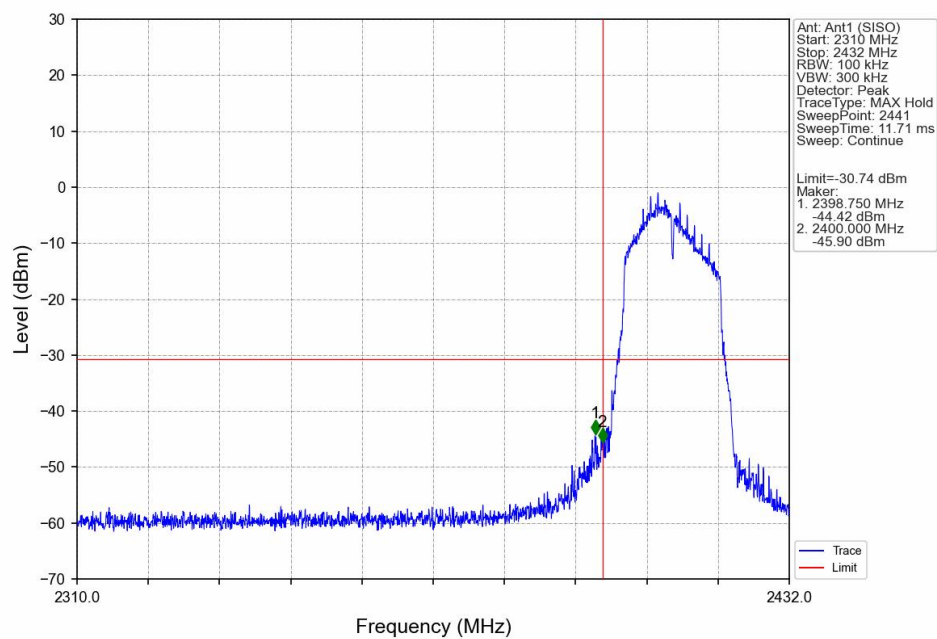
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



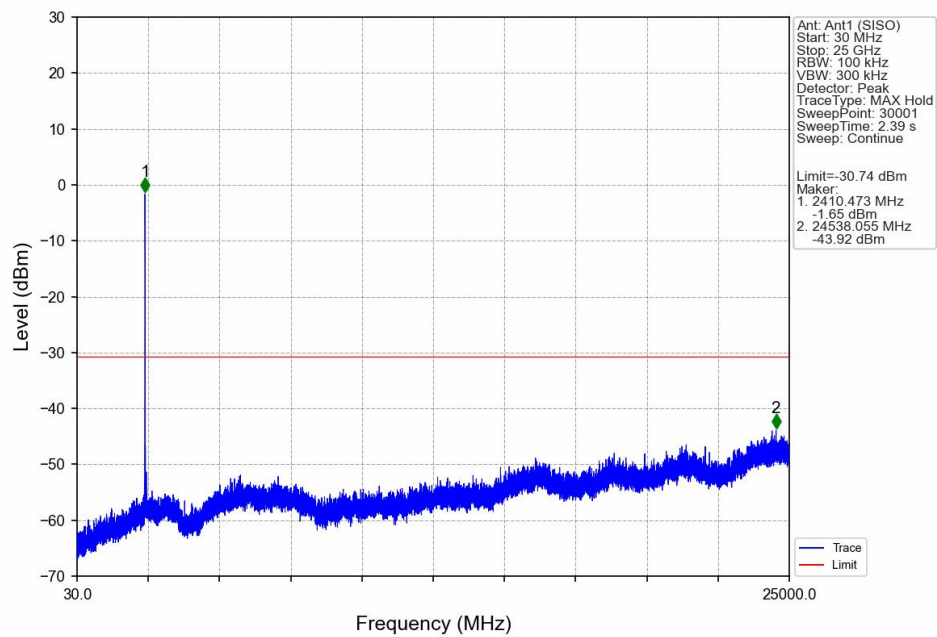
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



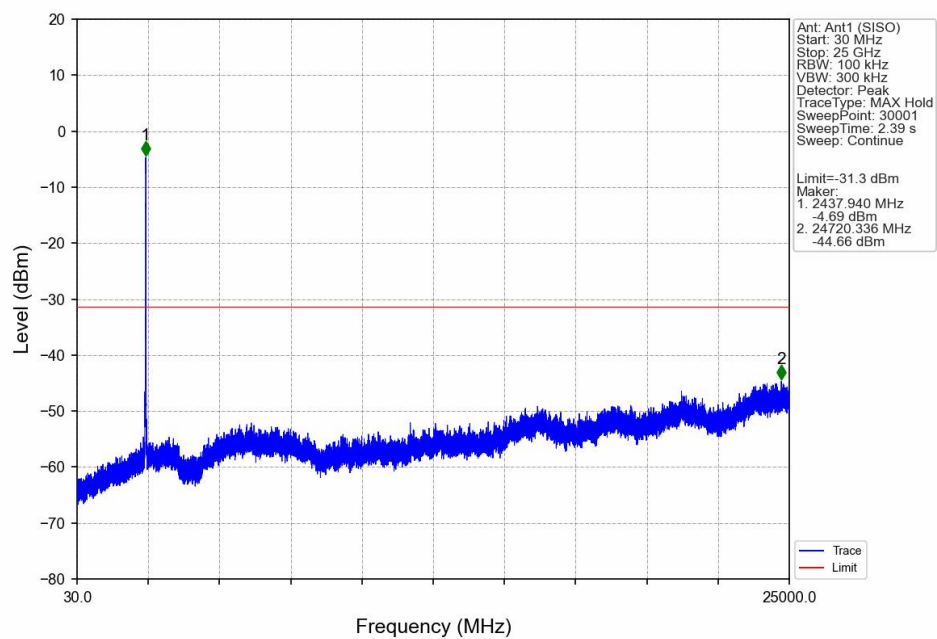
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



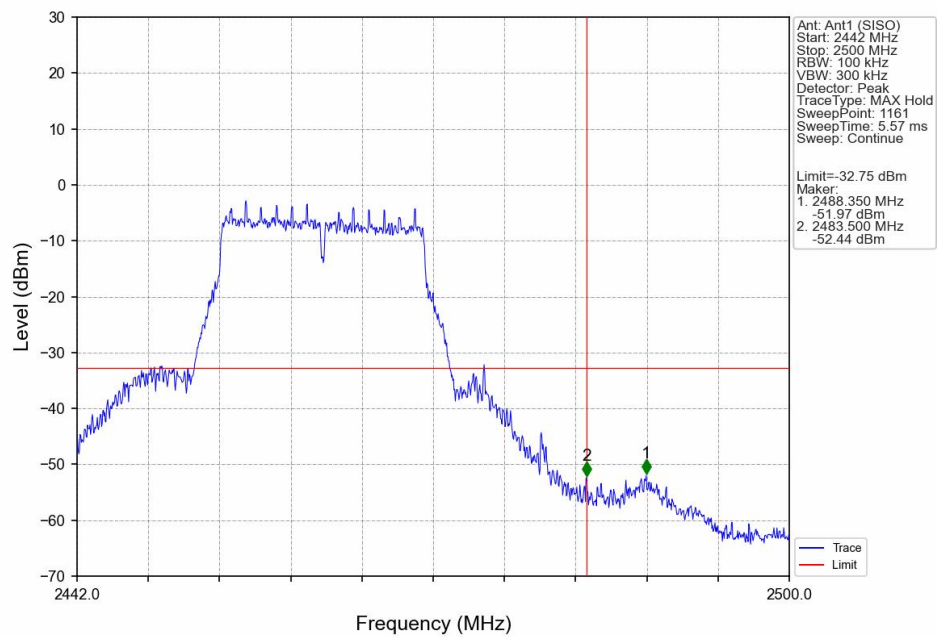
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



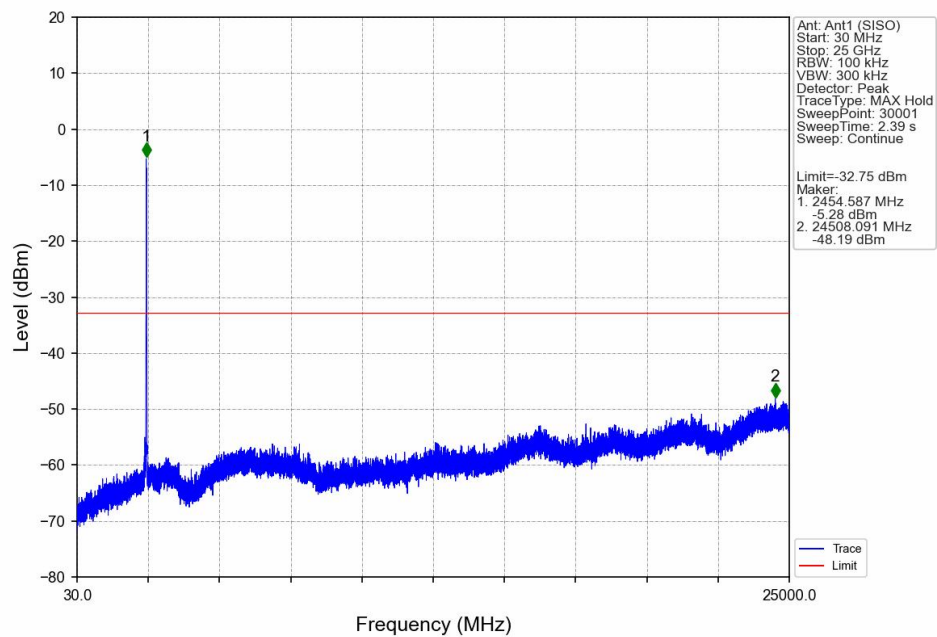
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



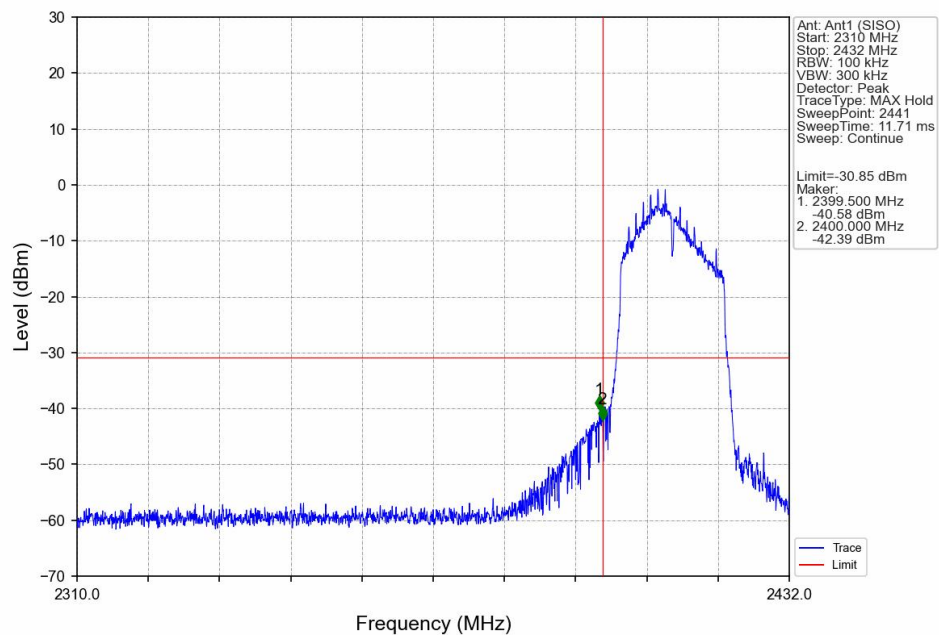
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



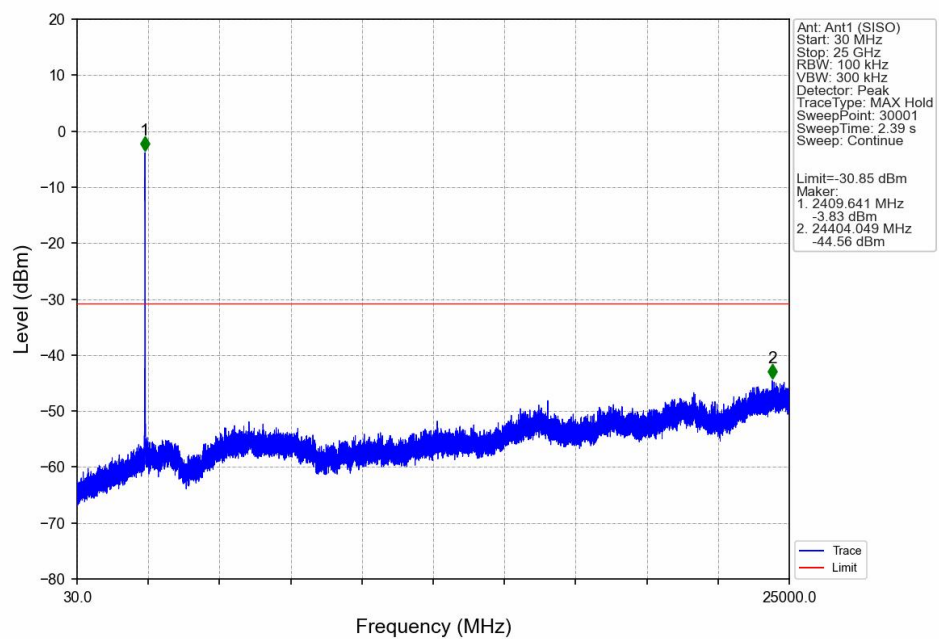
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



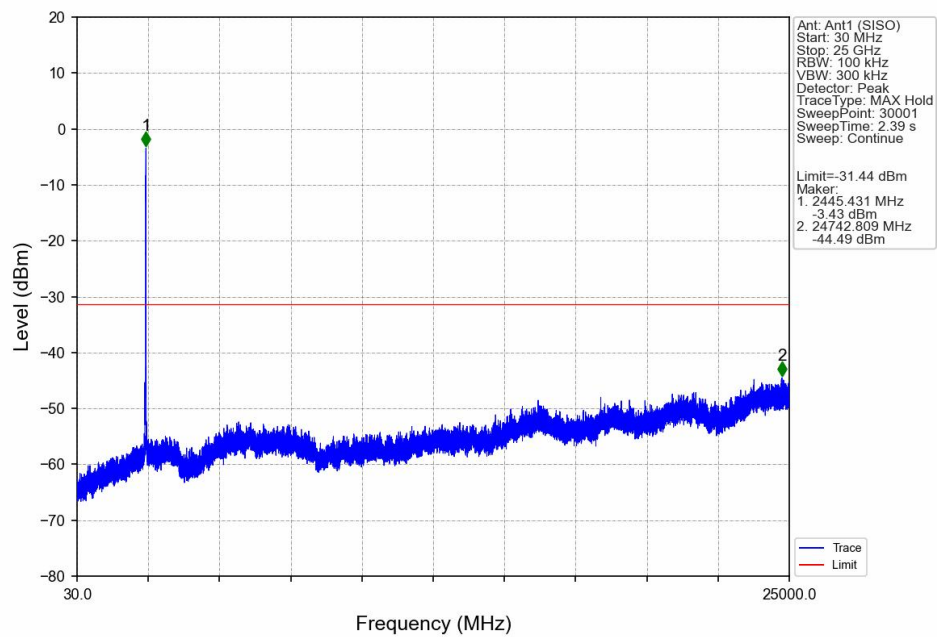
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



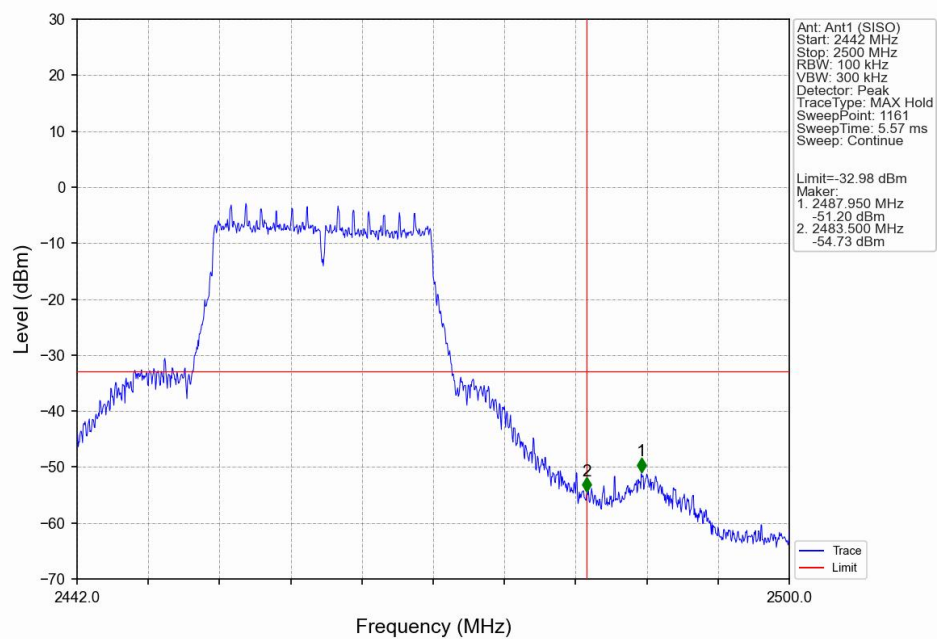
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

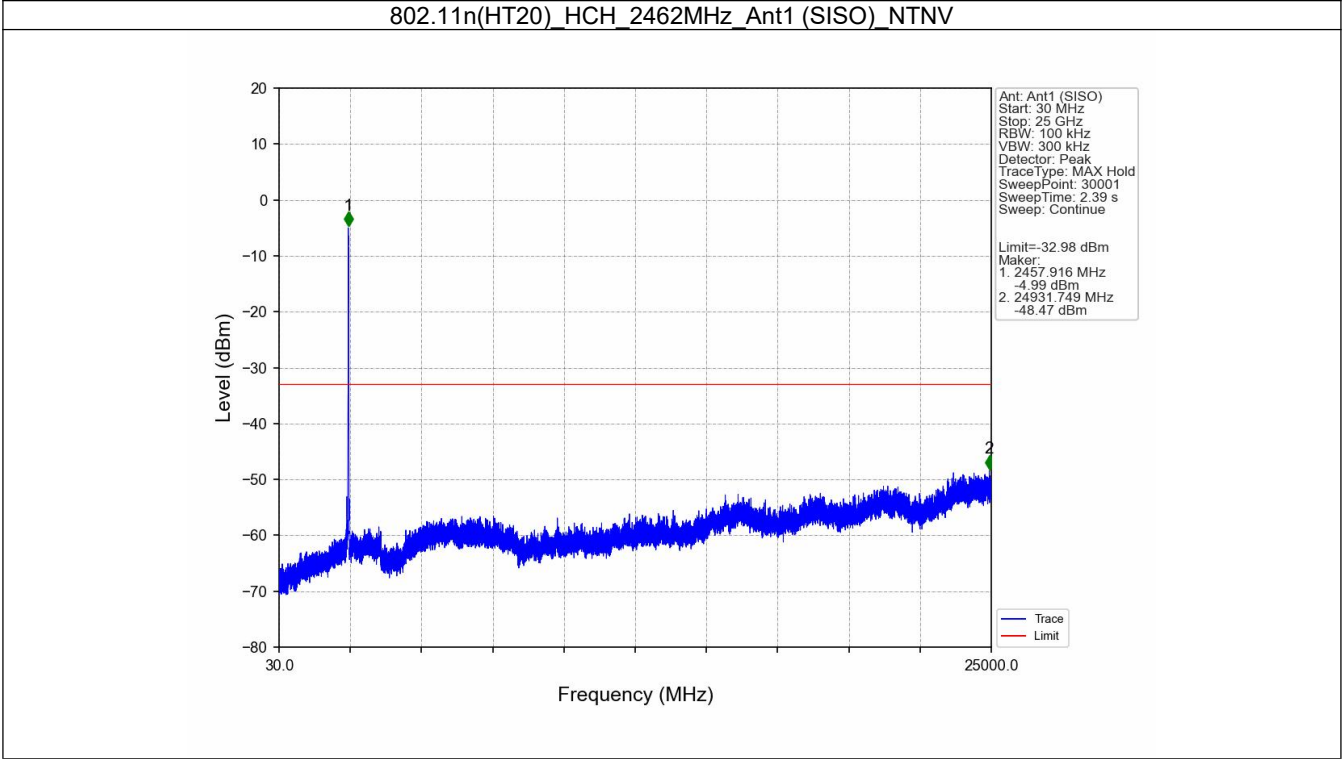


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV





THE END