

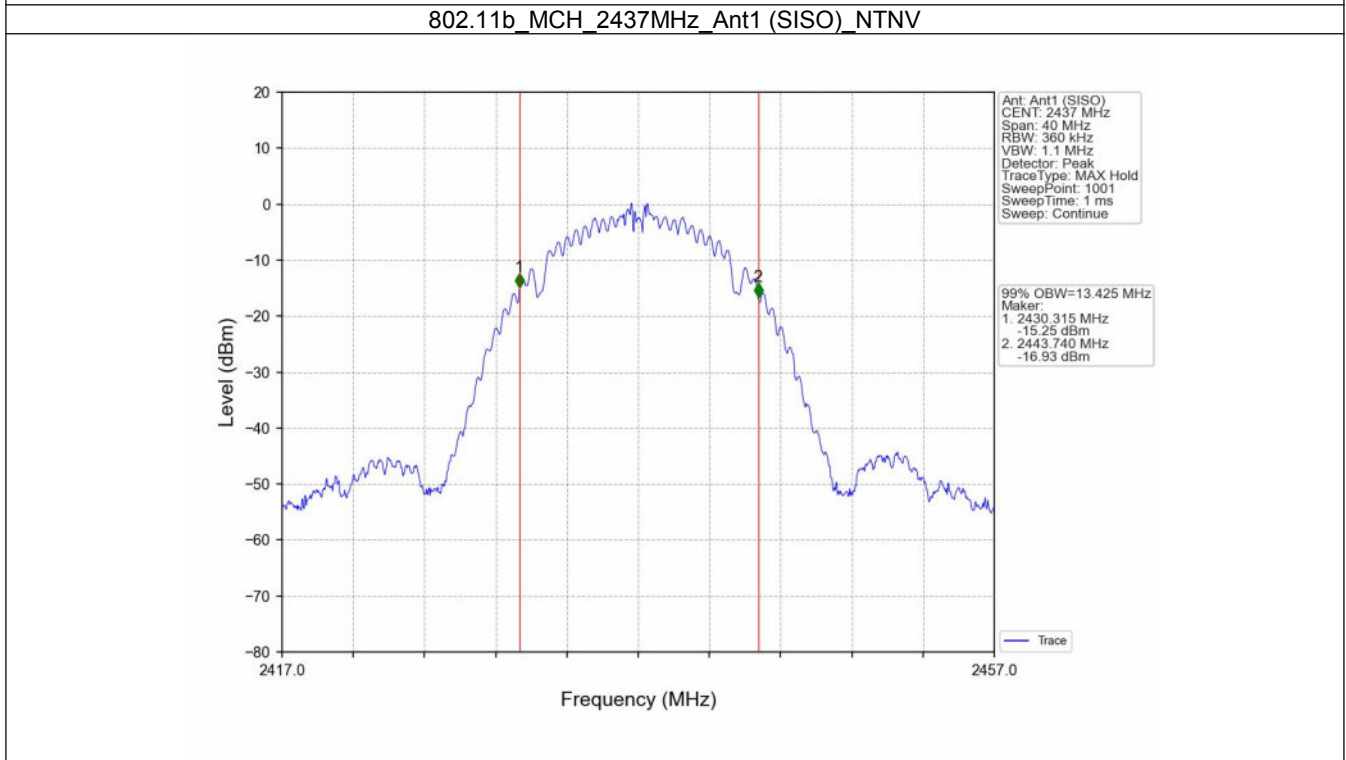
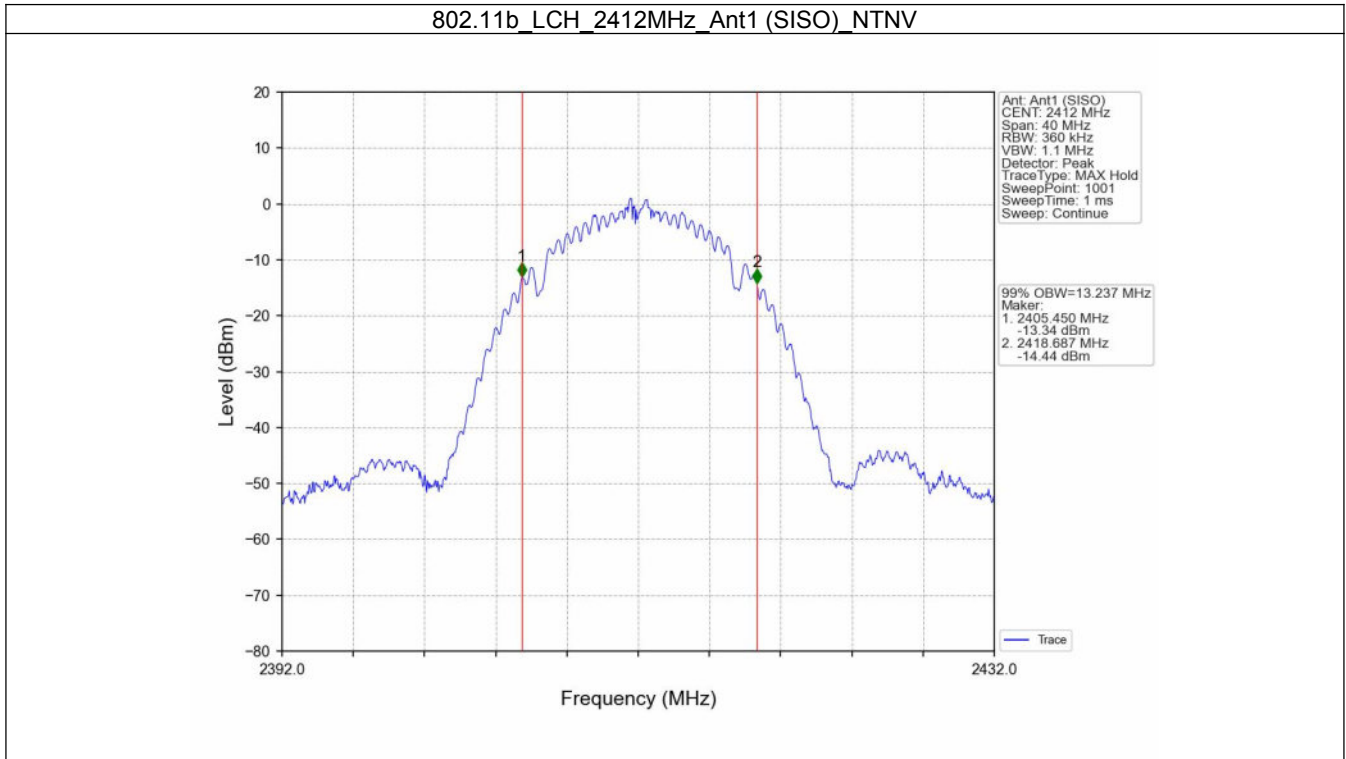
1. Bandwidth

1.1 OBW

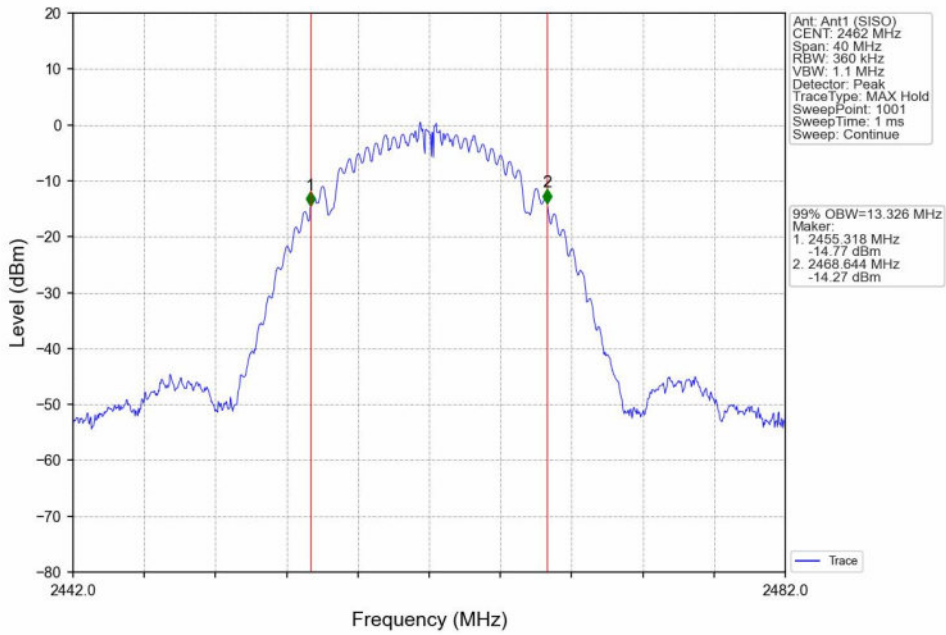
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.237	/	Pass
		2437	1	13.425	/	Pass
		2462	1	13.326	/	Pass
802.11g	SISO	2412	1	17.223	/	Pass
		2437	1	17.307	/	Pass
		2462	1	17.207	/	Pass
802.11n (HT20)	SISO	2412	1	17.922	/	Pass
		2437	1	18.090	/	Pass
		2462	1	17.918	/	Pass

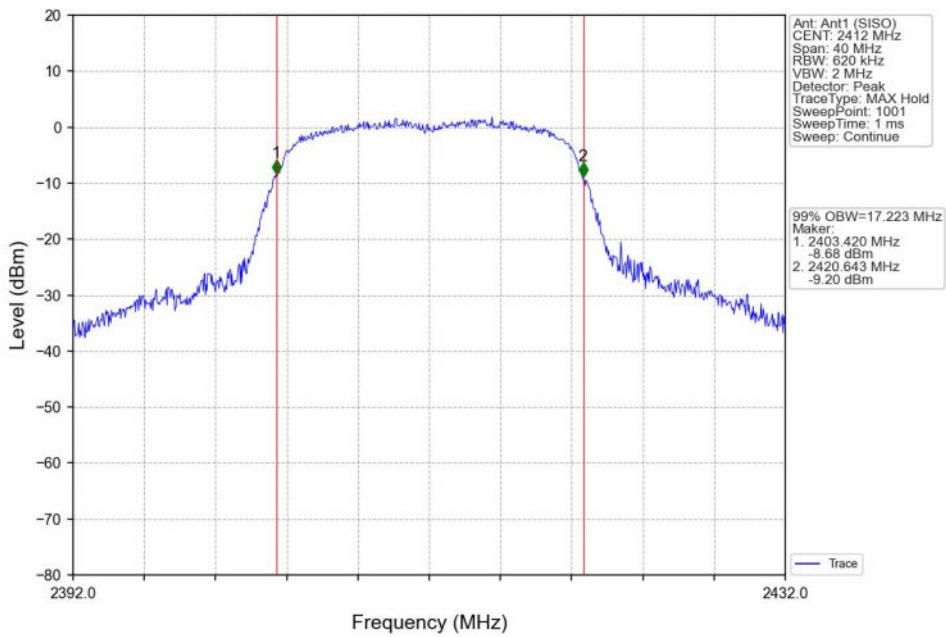
1.1.2 Test Graph



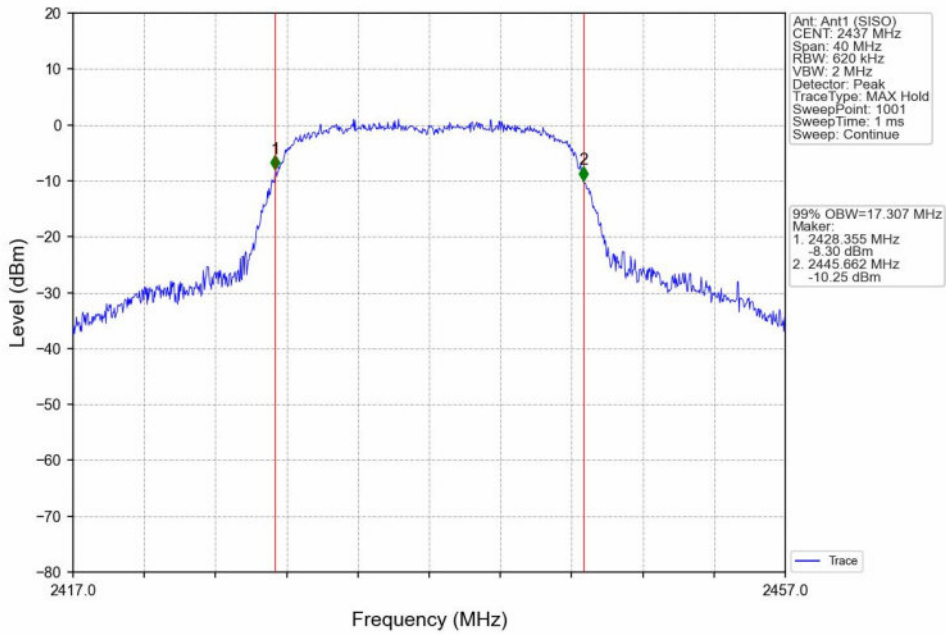
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



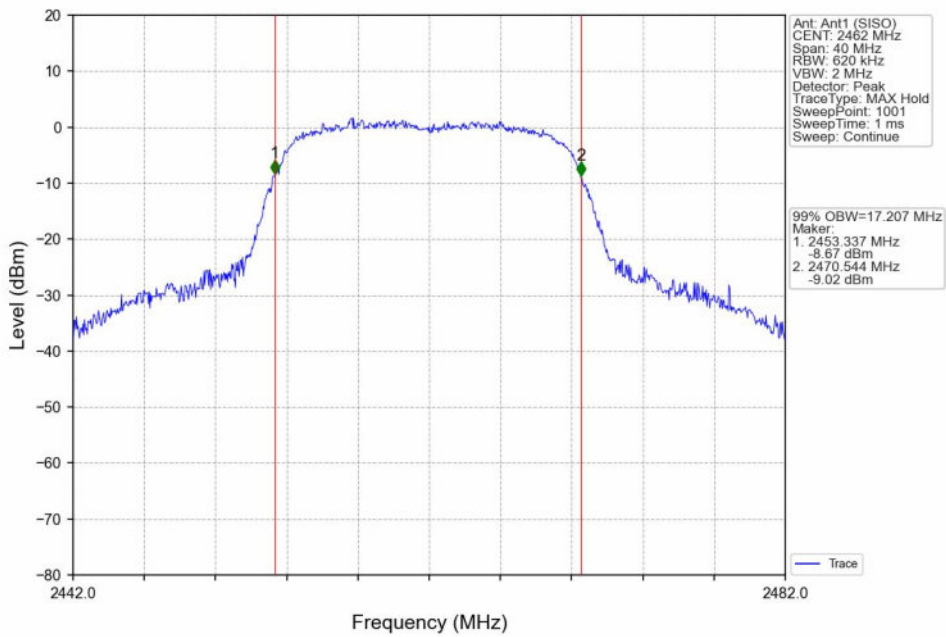
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



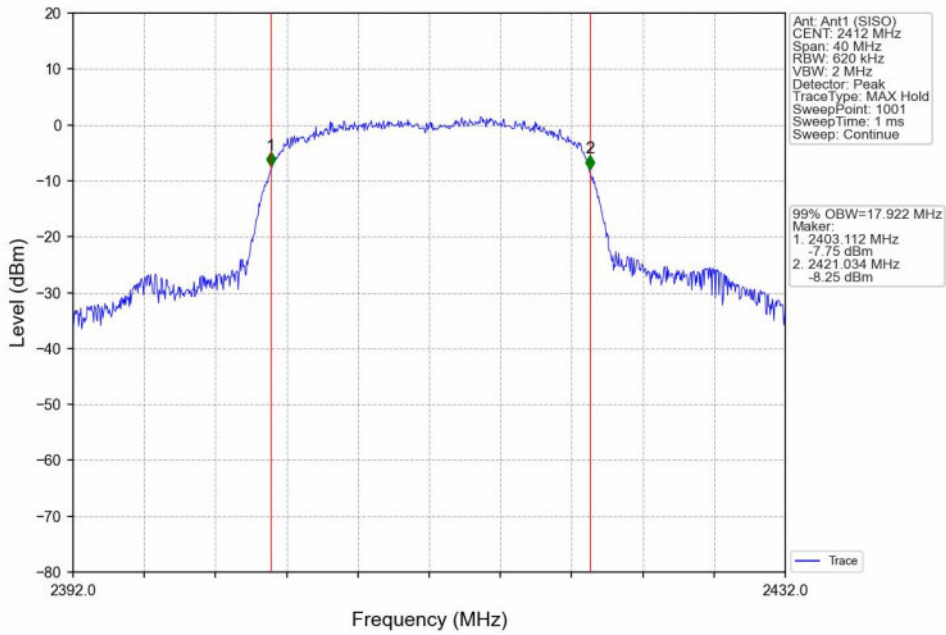
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



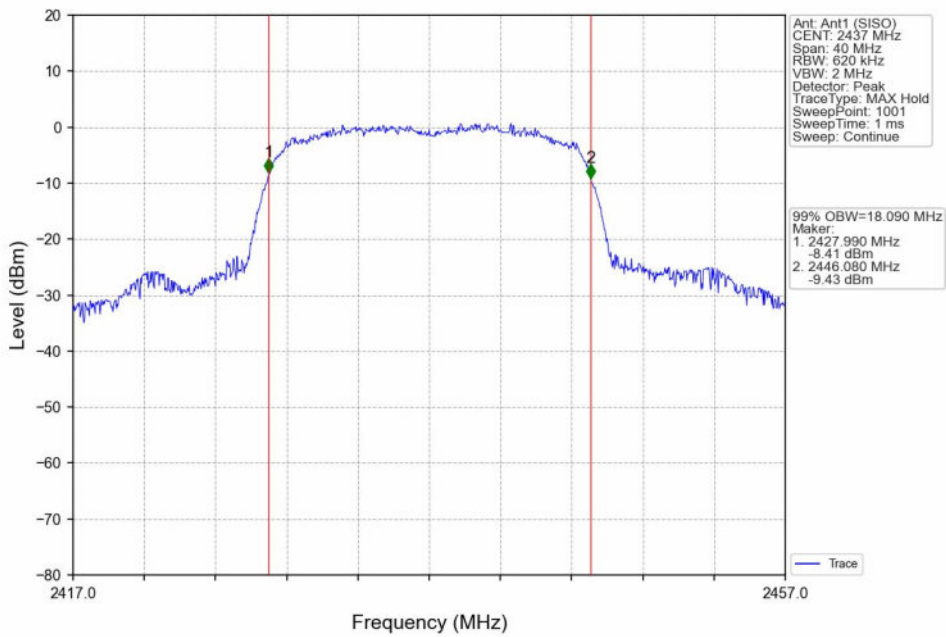
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

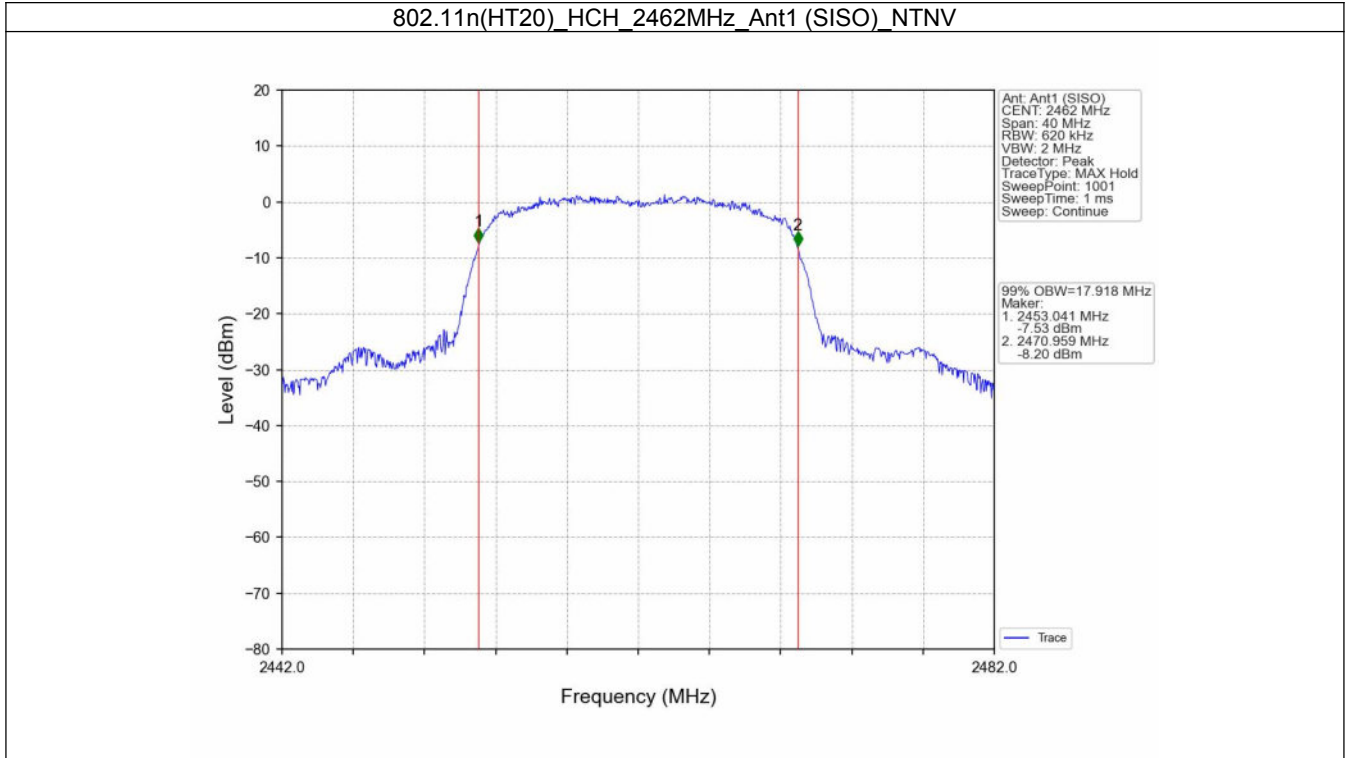


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



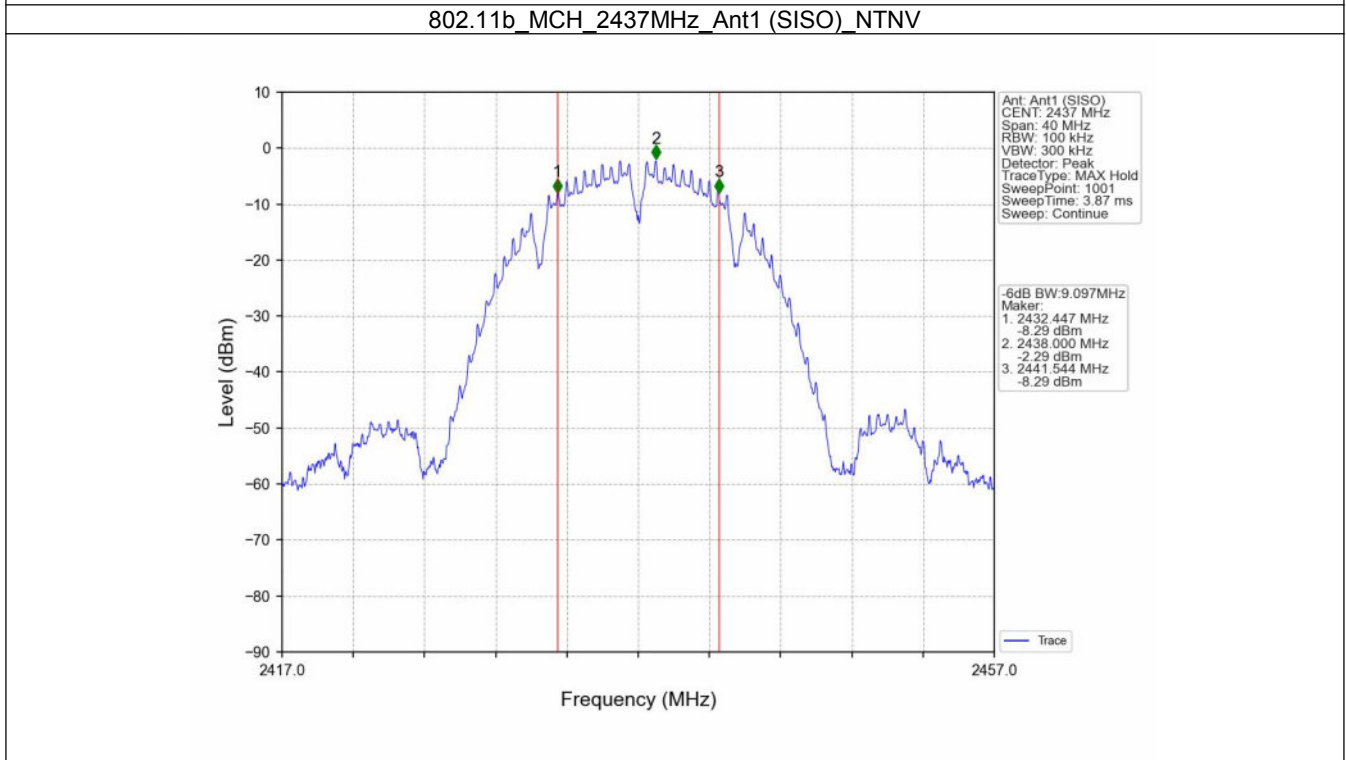
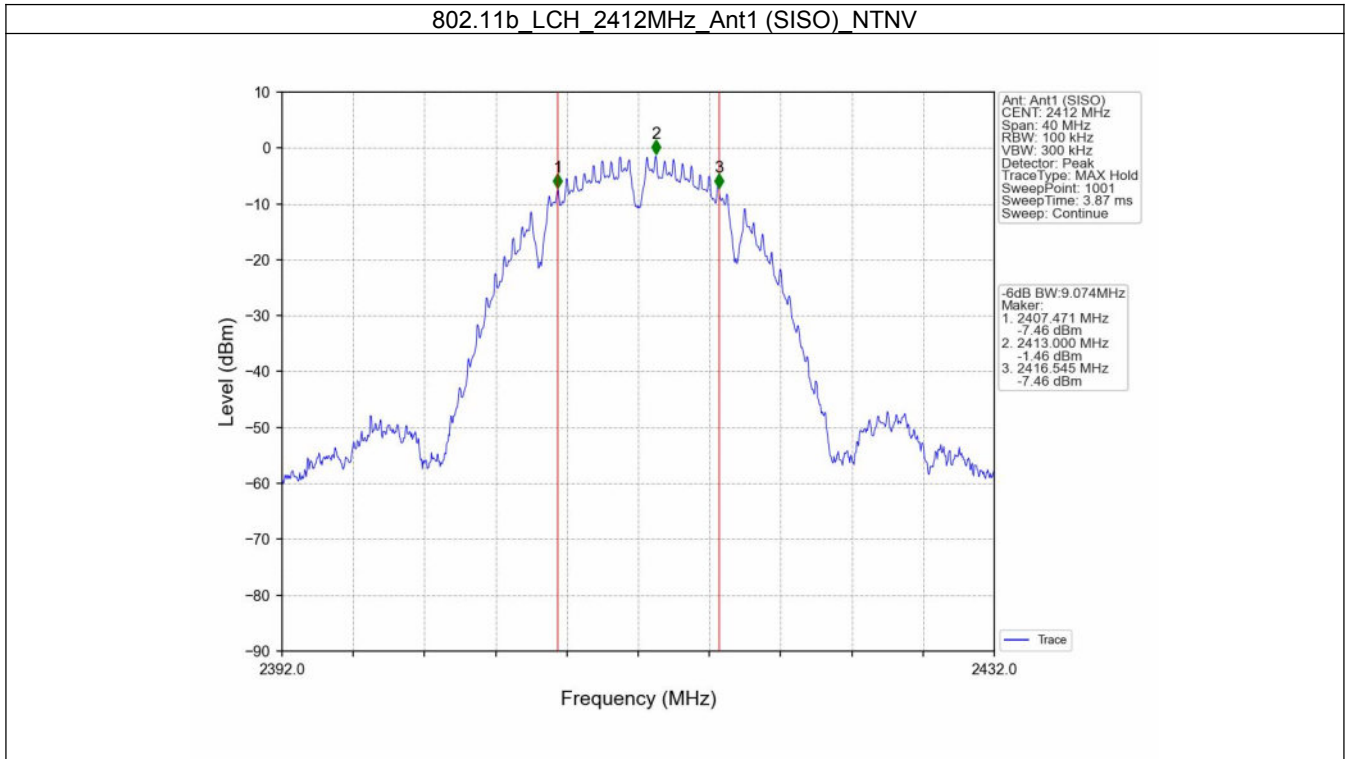


1.2 6dB BW

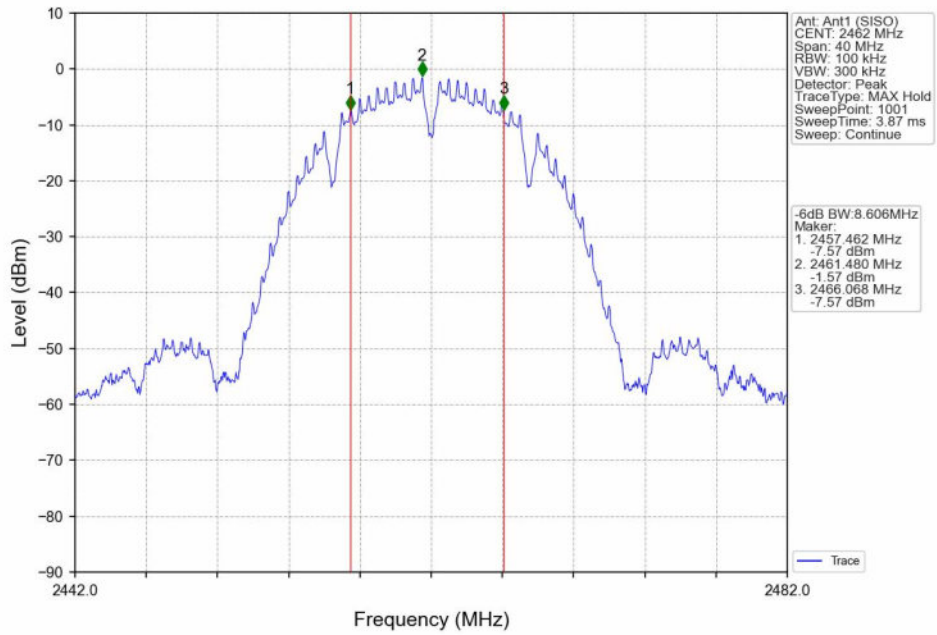
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.074	≥ 0.5	Pass
		2437	1	9.097	≥ 0.5	Pass
		2462	1	8.606	≥ 0.5	Pass
802.11g	SISO	2412	1	15.172	≥ 0.5	Pass
		2437	1	15.186	≥ 0.5	Pass
		2462	1	15.176	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.175	≥ 0.5	Pass
		2437	1	15.185	≥ 0.5	Pass
		2462	1	15.176	≥ 0.5	Pass

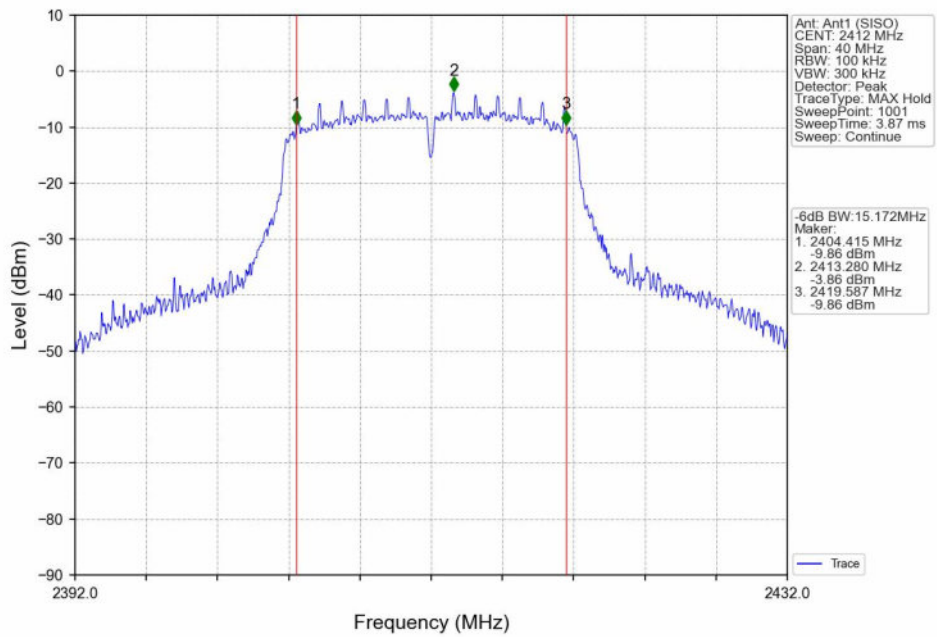
1.2.2 Test Graph



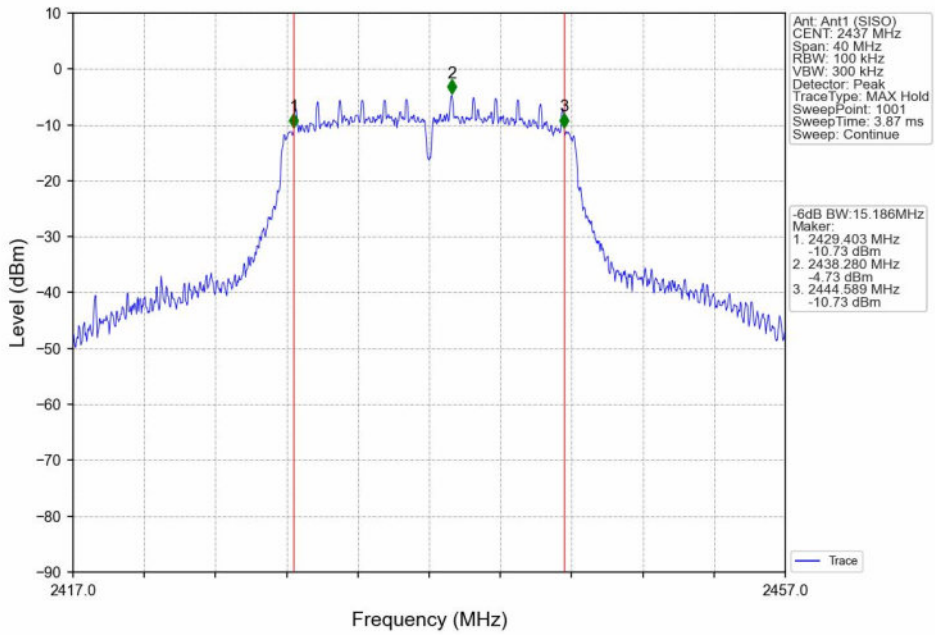
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



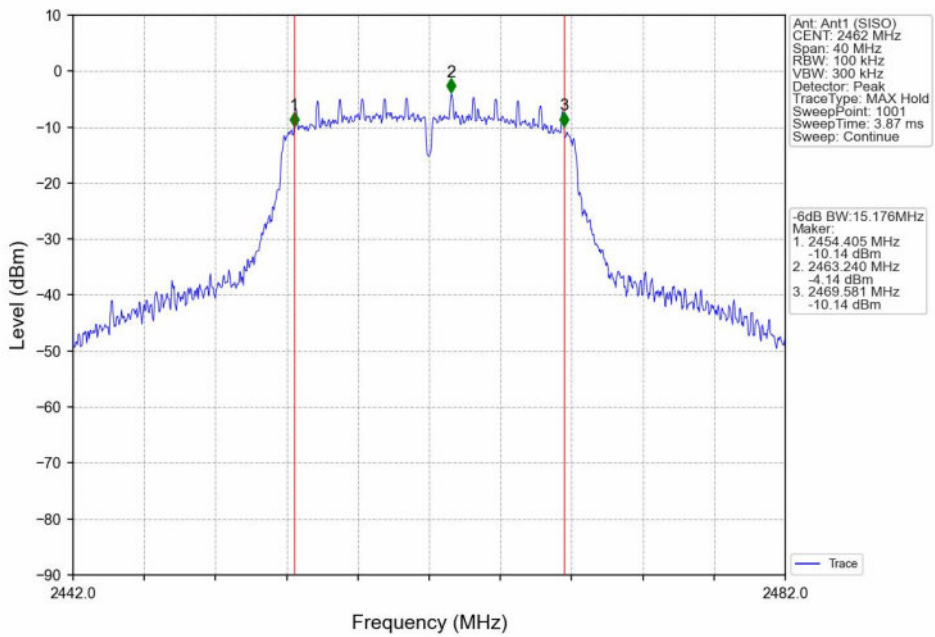
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



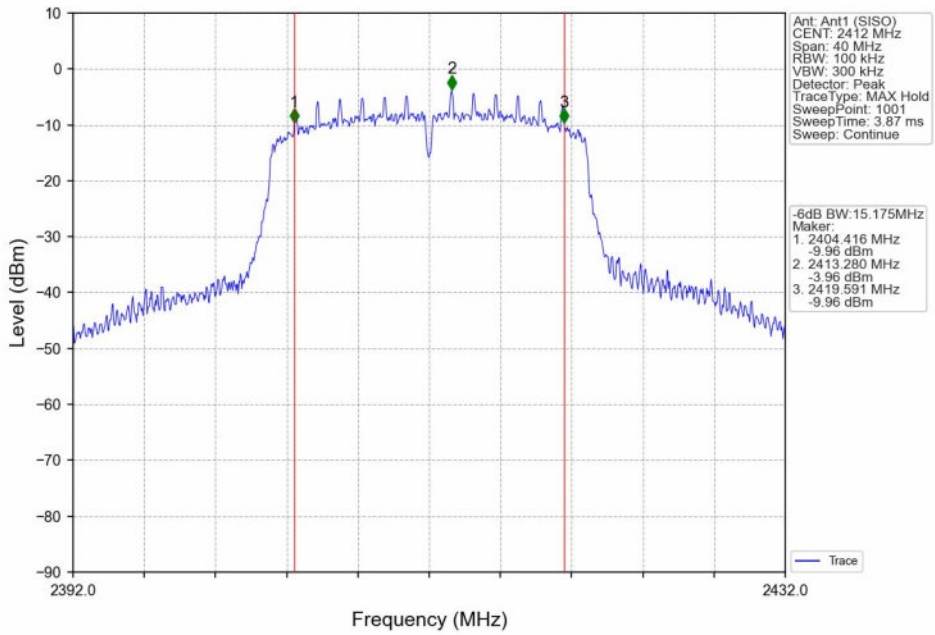
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



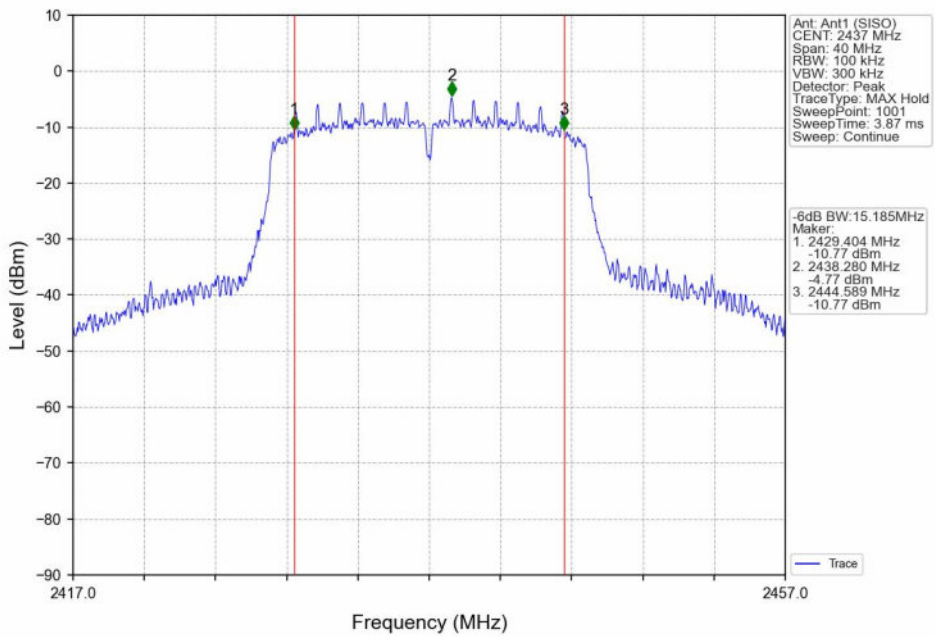
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

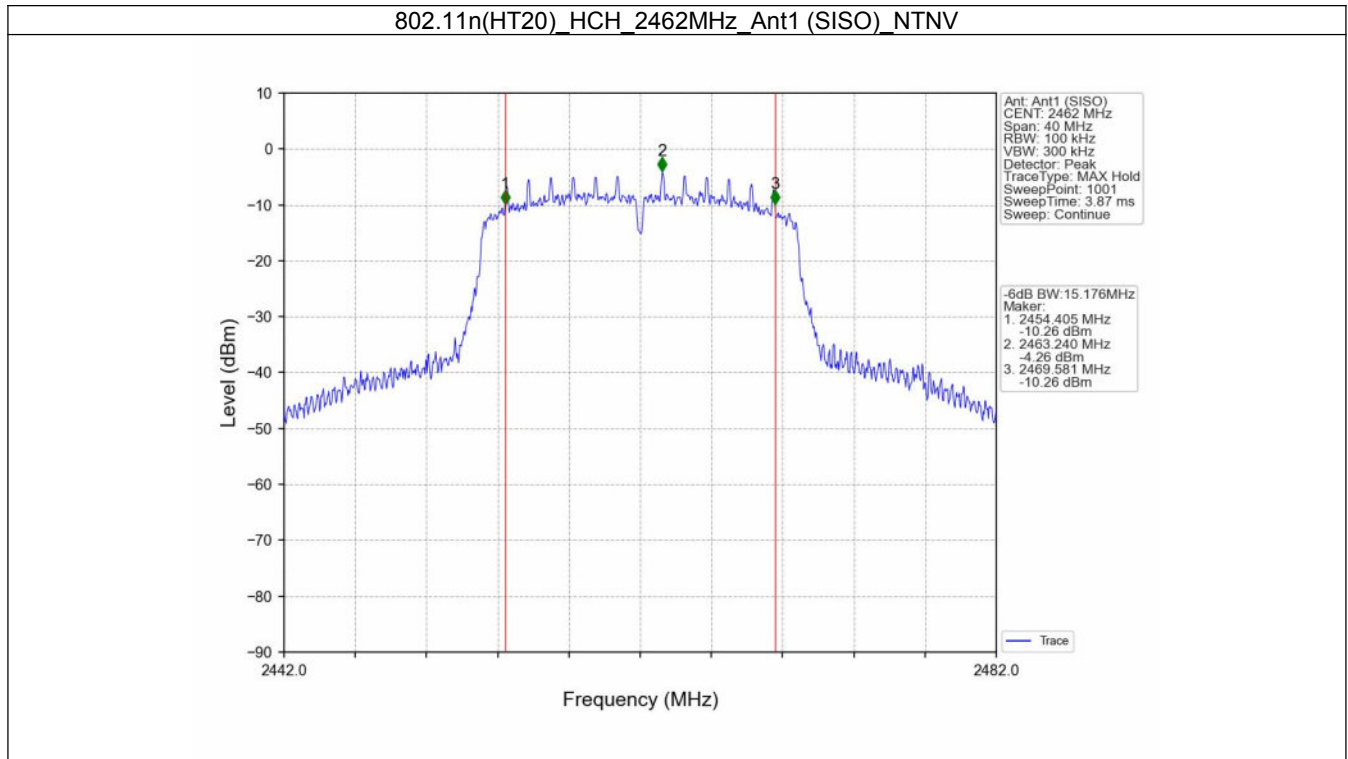


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

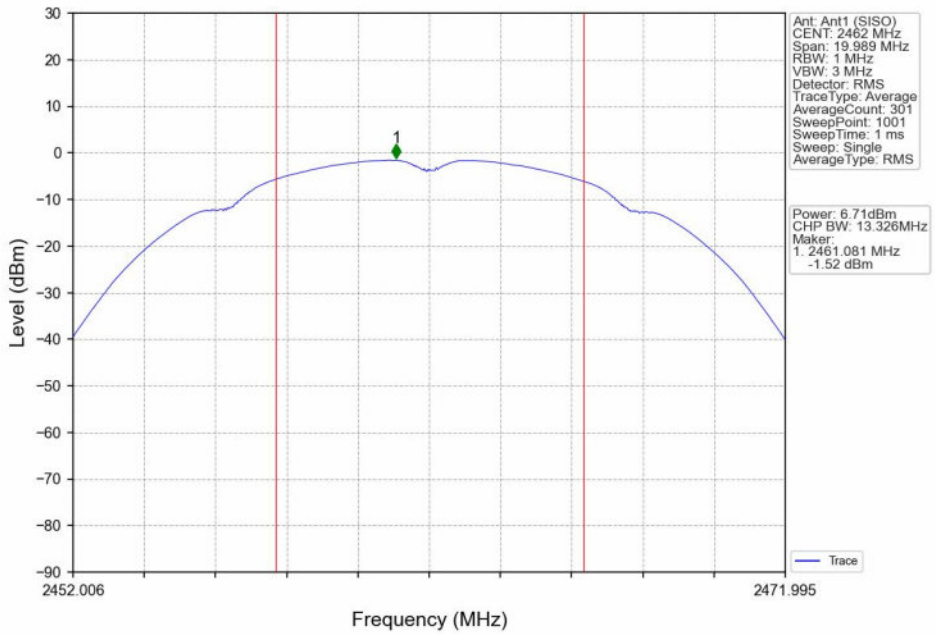
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	6.93	<=30	Pass
		2437	6.18	<=30	Pass
		2462	6.71	<=30	Pass
802.11g	SISO	2412	6.19	<=30	Pass
		2437	5.58	<=30	Pass
		2462	6.00	<=30	Pass
802.11n (HT20)	SISO	2412	5.93	<=30	Pass
		2437	5.35	<=30	Pass
		2462	5.73	<=30	Pass

Note1: Antenna Gain: Ant1: 3.32dBi;

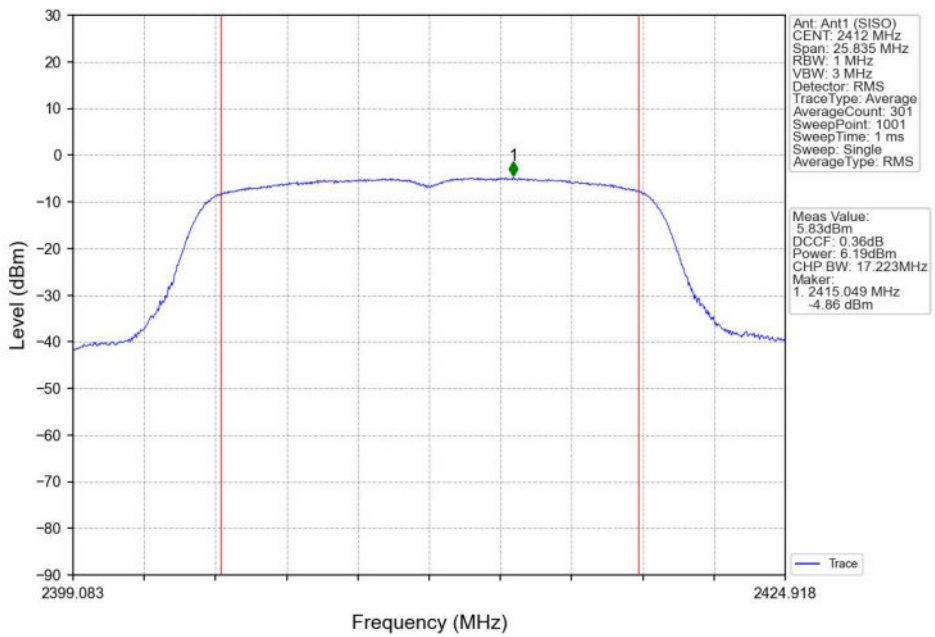
2.1.2 Test Graph



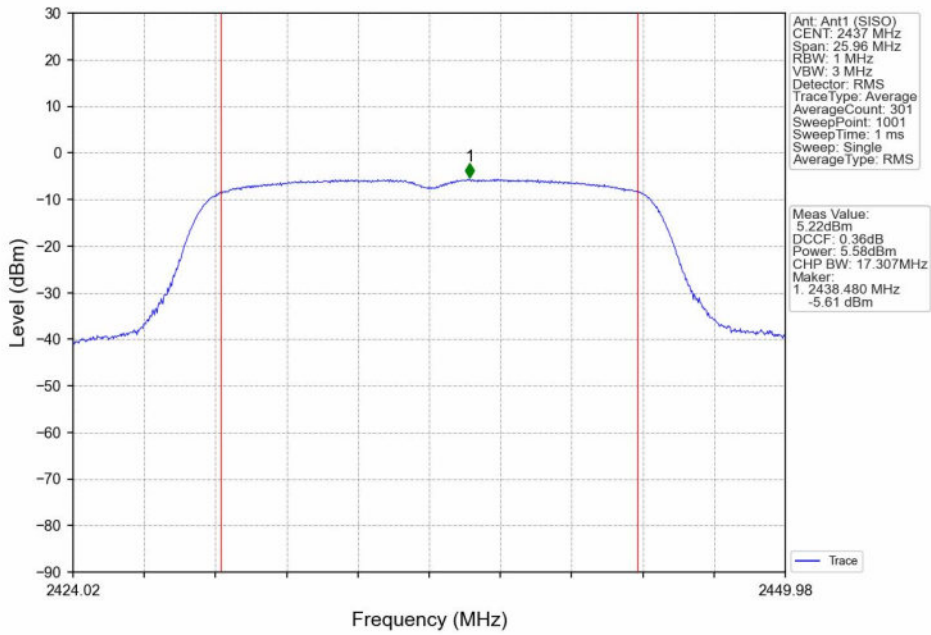
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



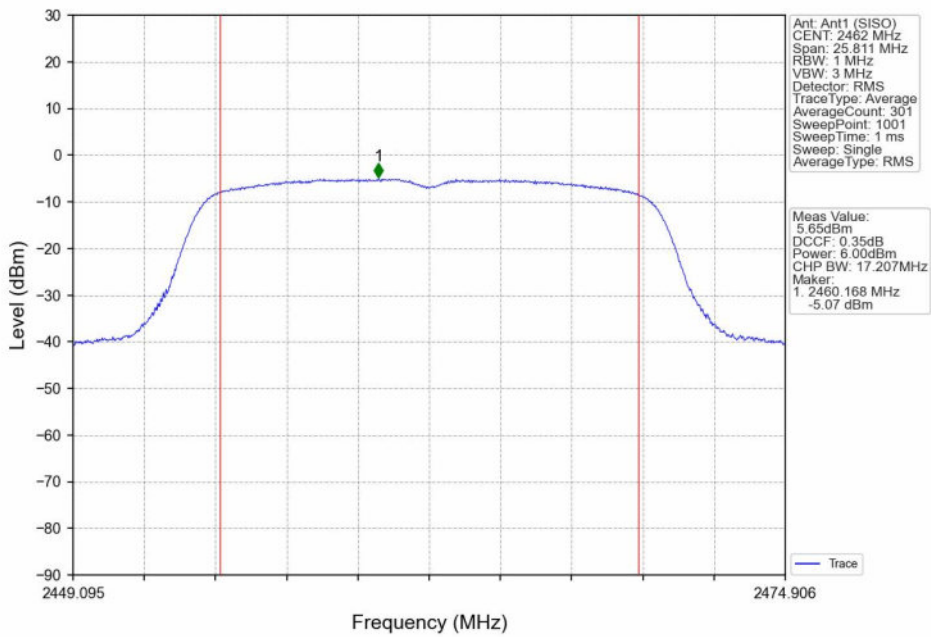
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



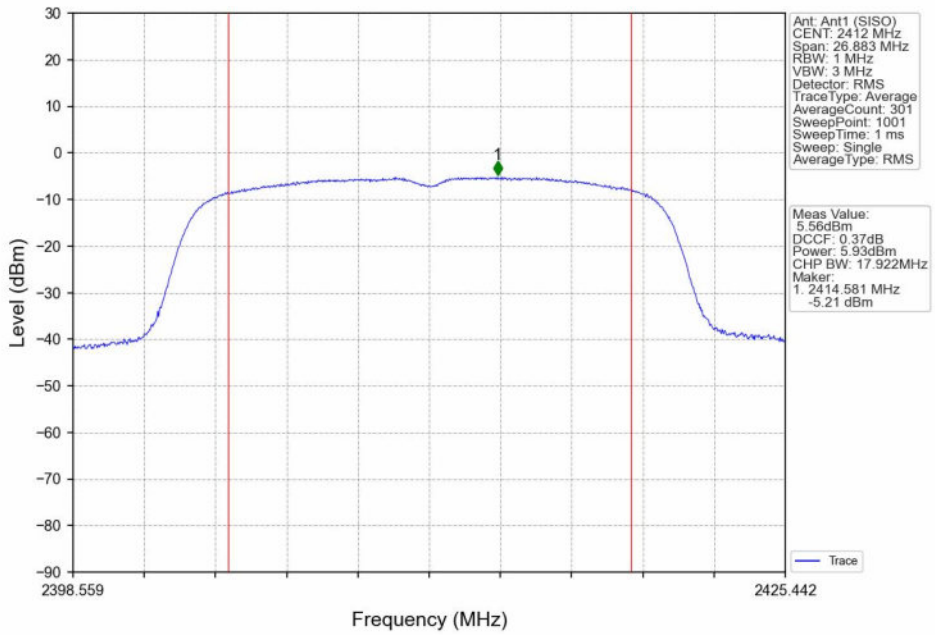
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



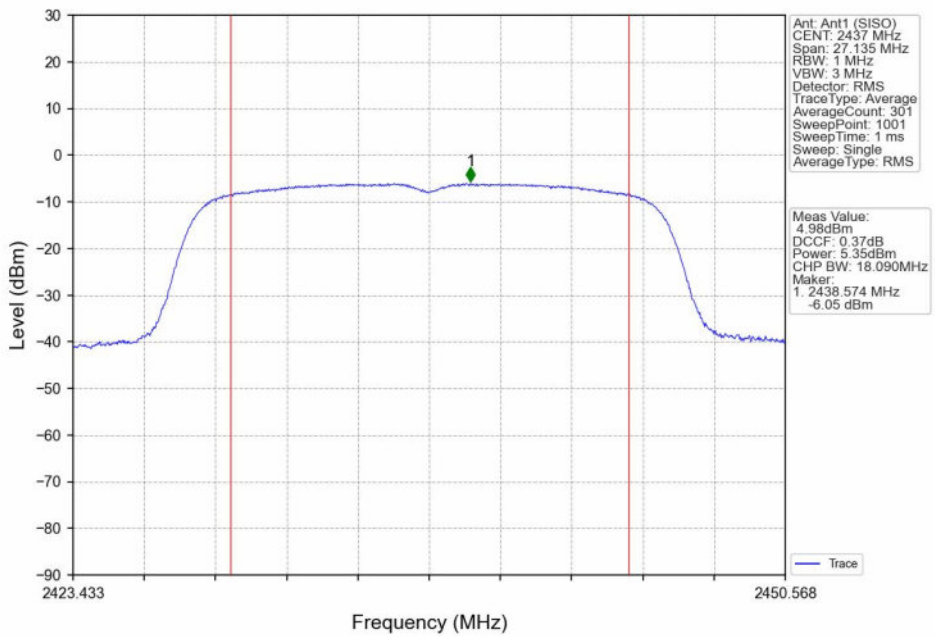
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

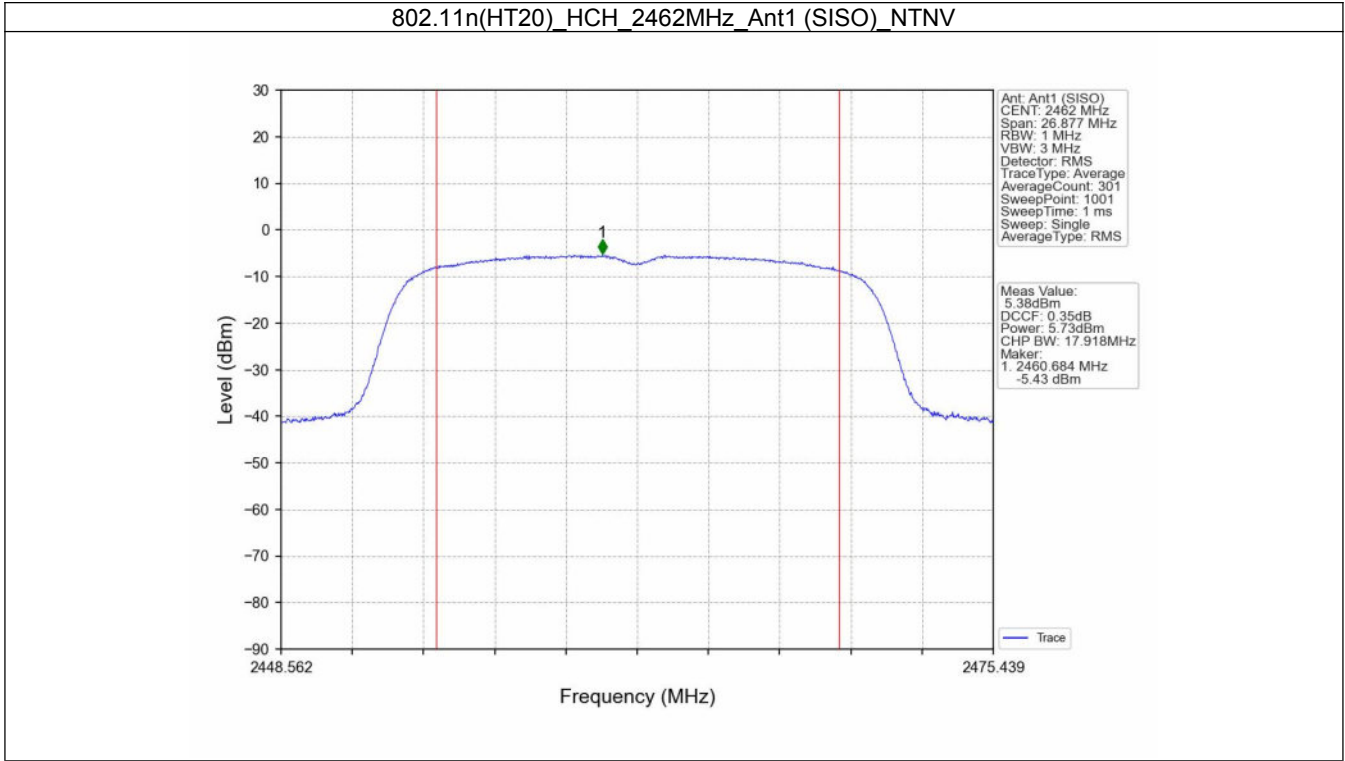


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





3. Maximum Power Spectral Density

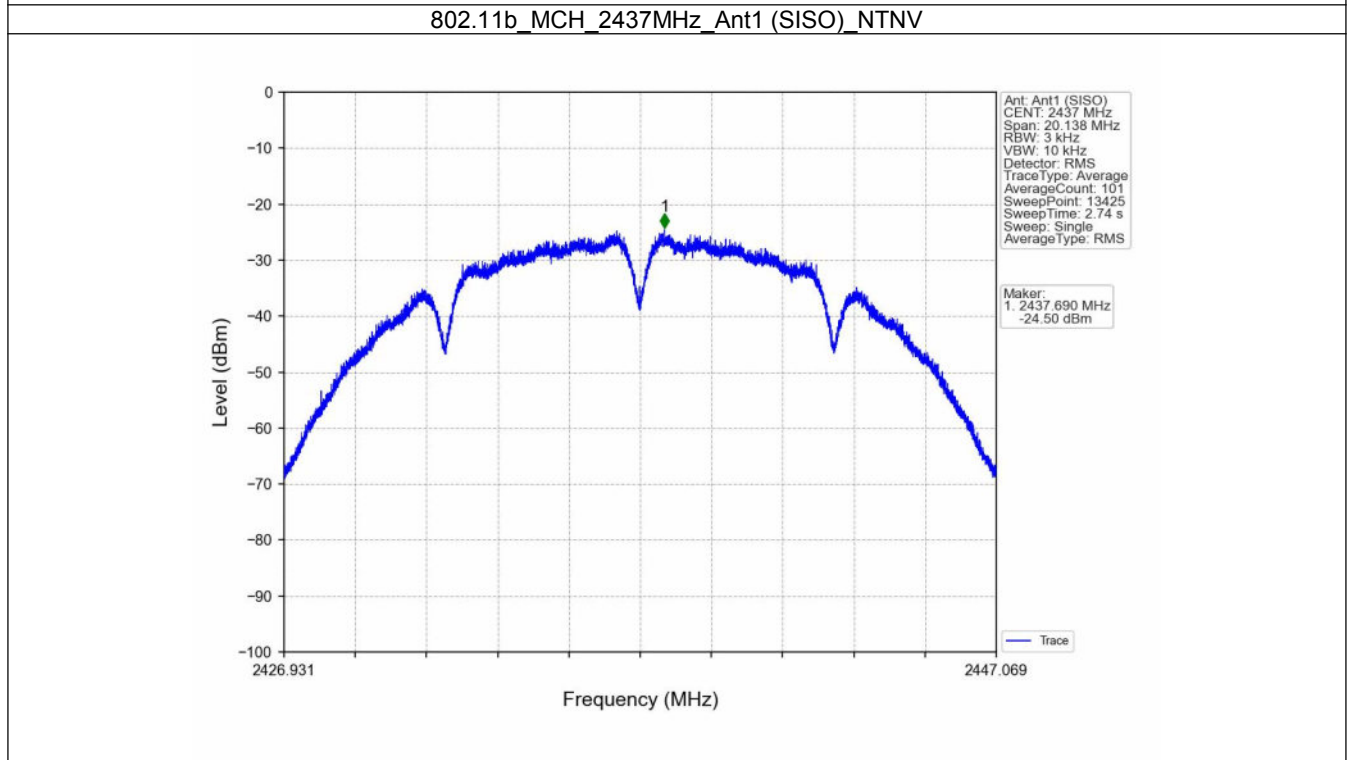
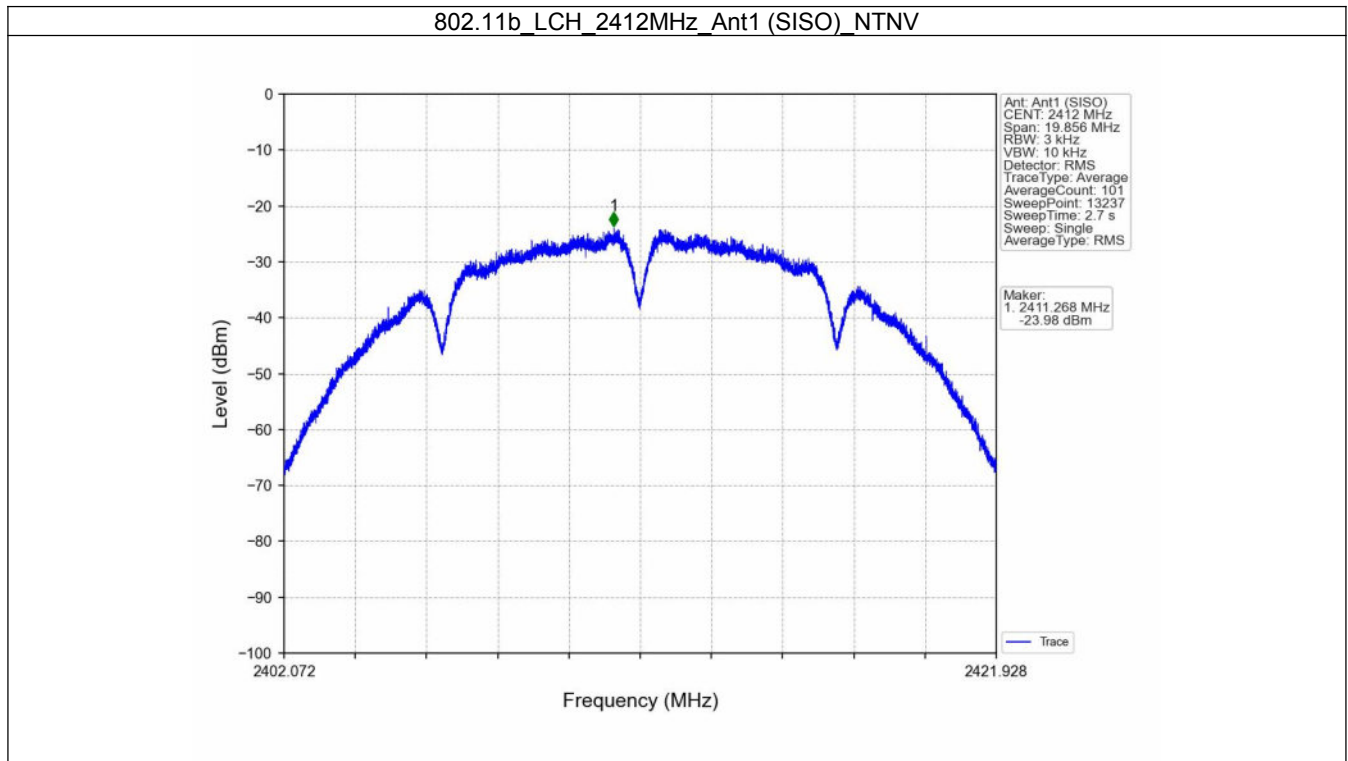
3.1 PSD

3.1.1 Test Result

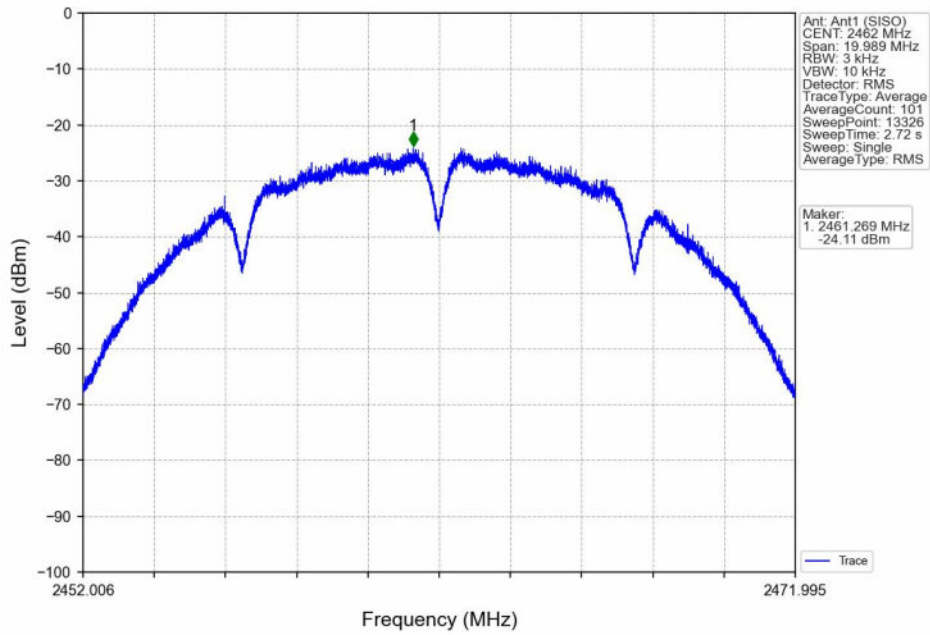
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-23.98	<=8	Pass
		2437	-24.50	<=8	Pass
		2462	-24.11	<=8	Pass
802.11g	SISO	2412	-25.43	<=8	Pass
		2437	-26.09	<=8	Pass
		2462	-25.40	<=8	Pass
802.11n (HT20)	SISO	2412	-25.02	<=8	Pass
		2437	-25.73	<=8	Pass
		2462	-25.52	<=8	Pass

Note1: Antenna Gain: Ant1: 3.32dBi;

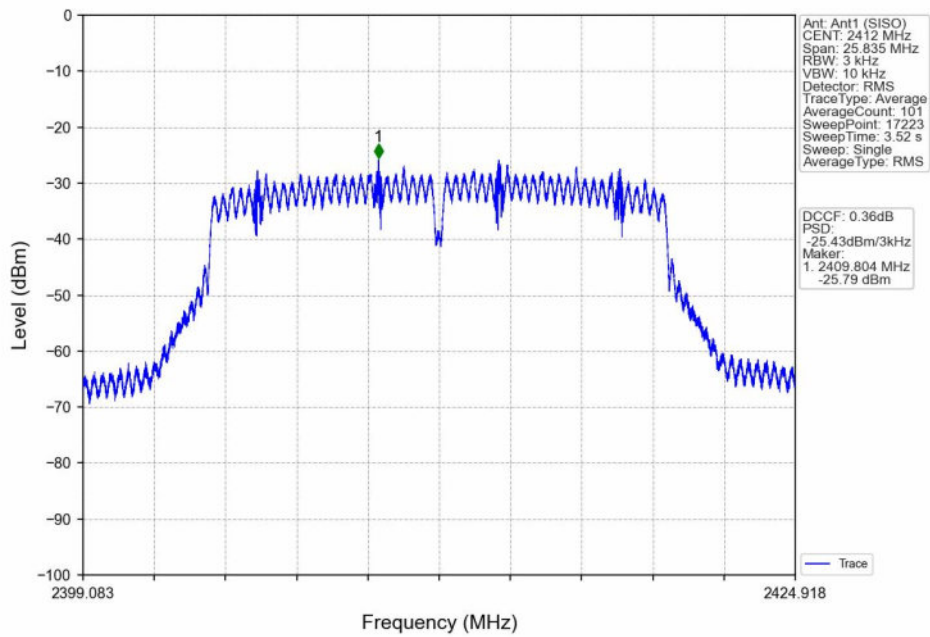
3.1.2 Test Graph



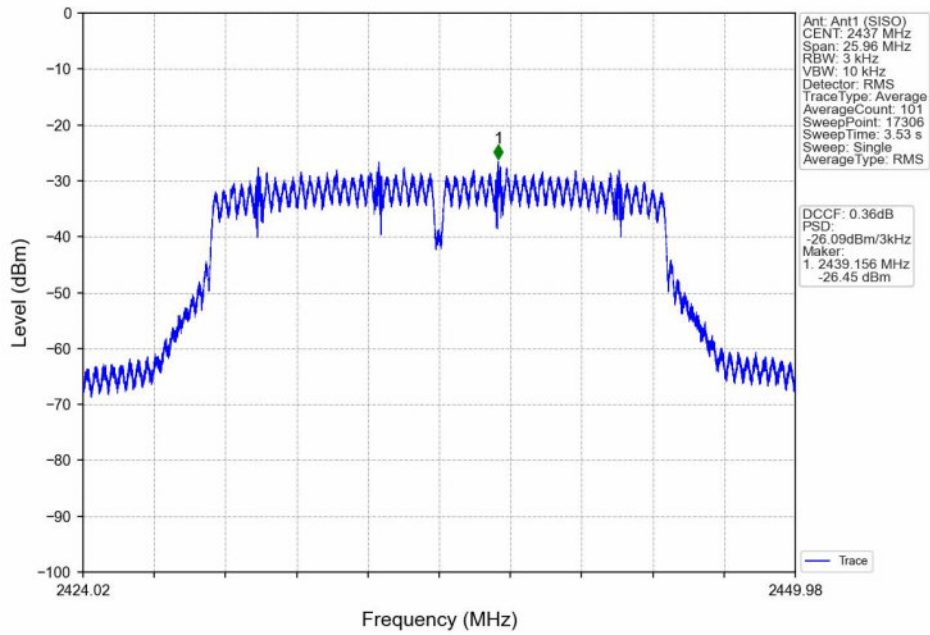
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



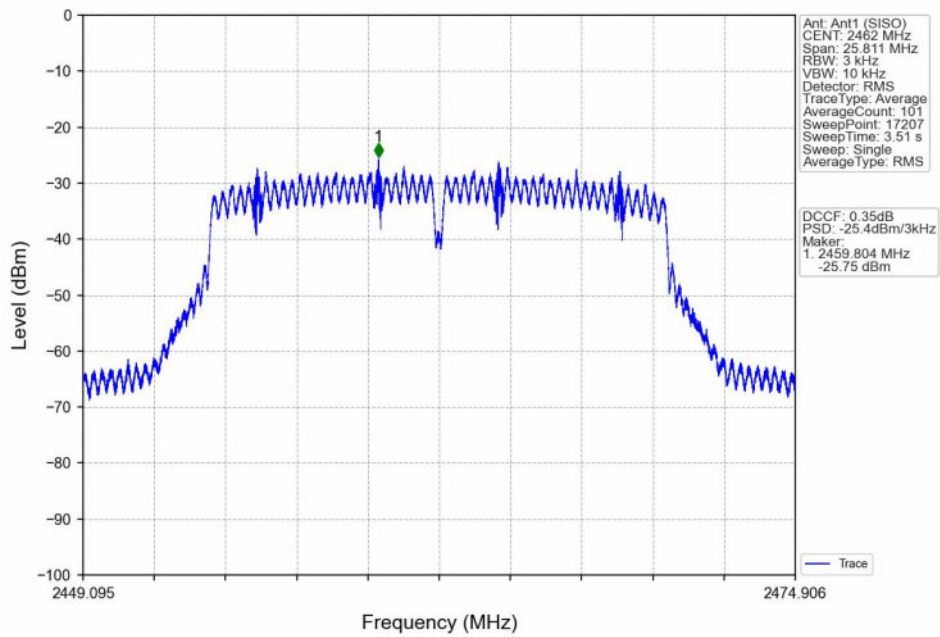
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



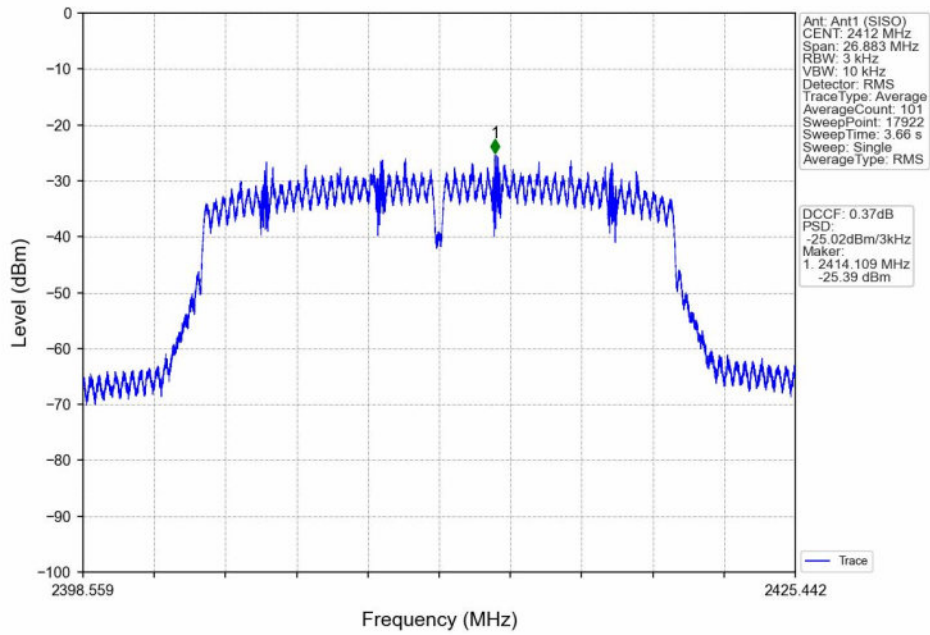
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



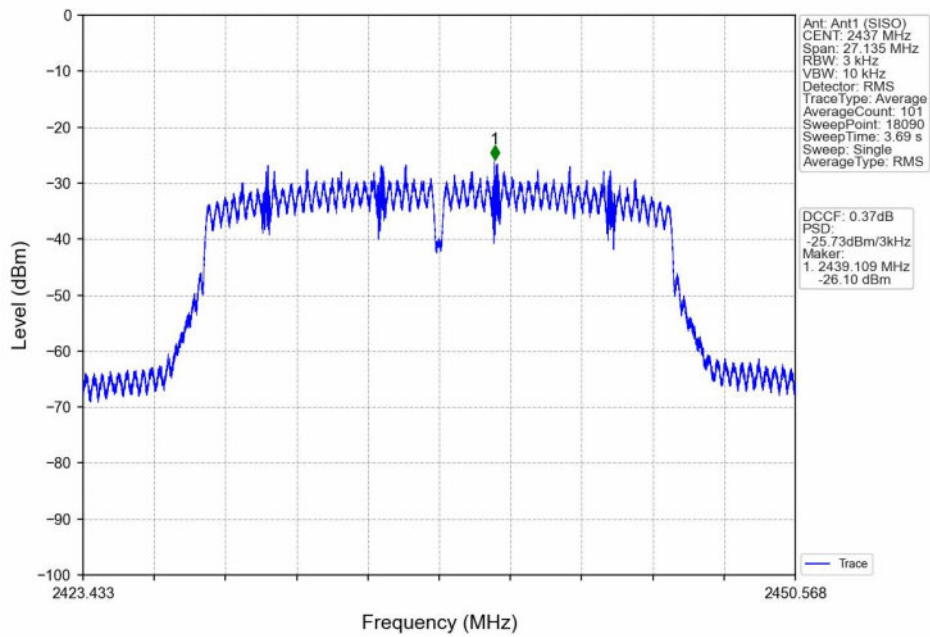
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

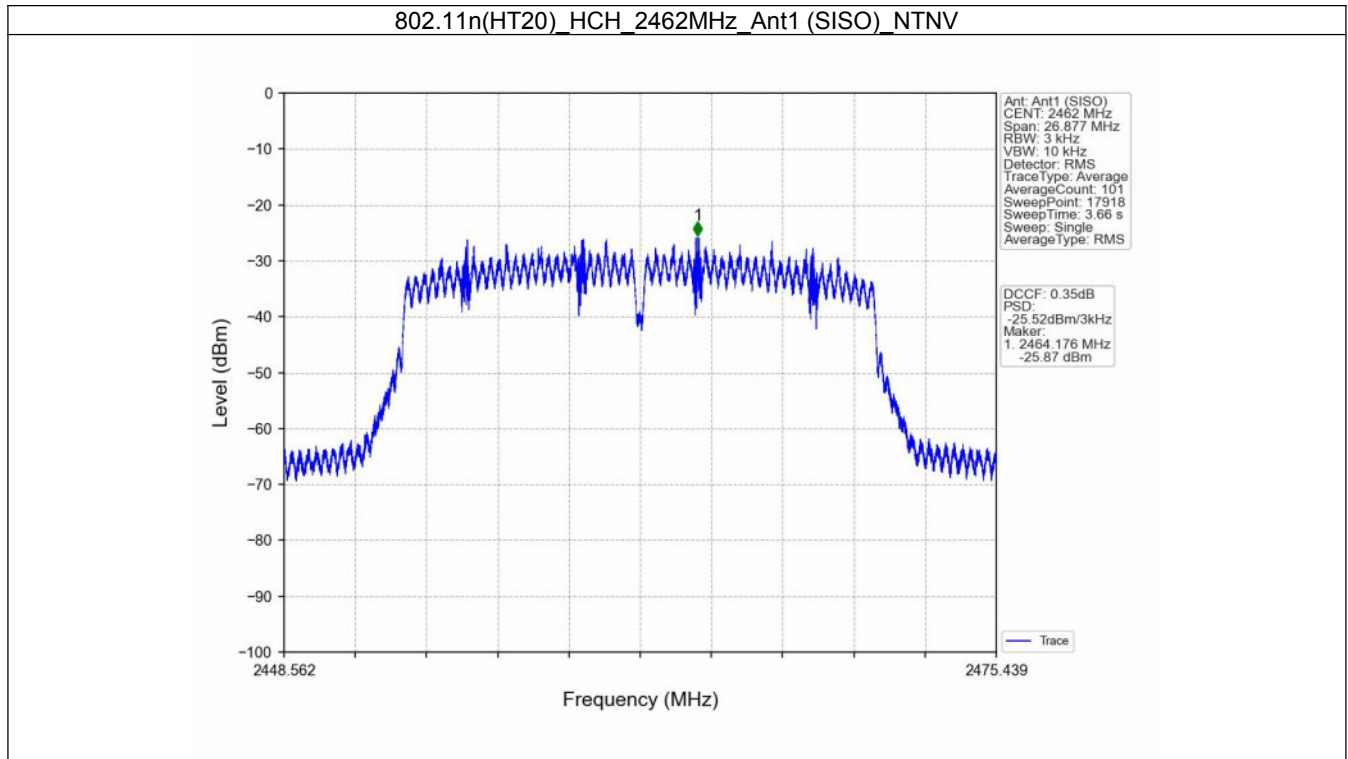


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





4. Unwanted Emissions In Non-restricted Frequency Bands

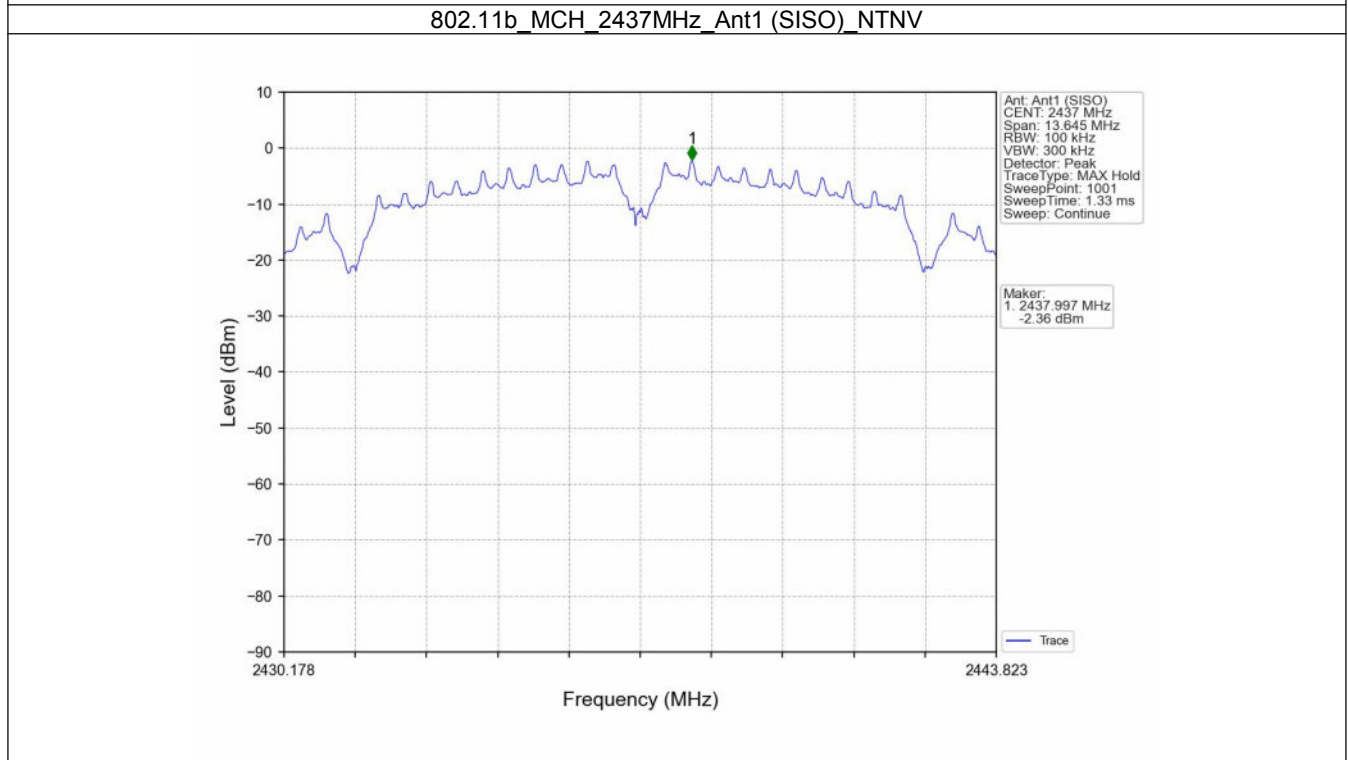
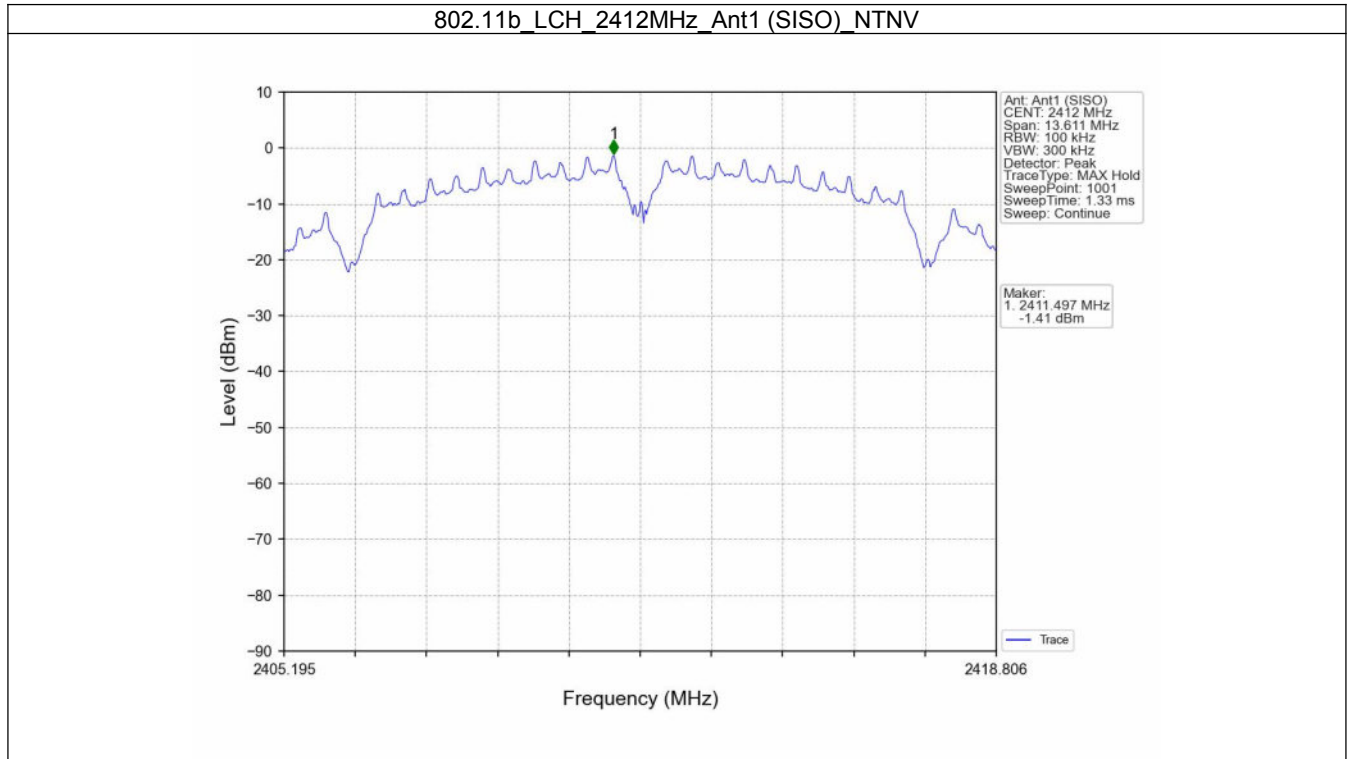
4.1 Ref

4.1.1 Test Result

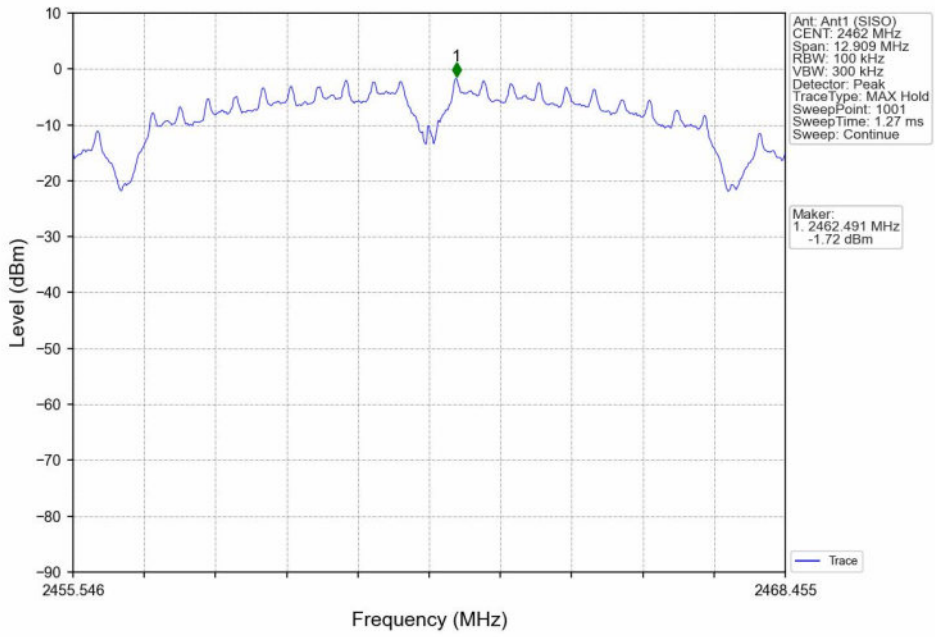
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-1.41
		2437	1	-2.36
		2462	1	-1.72
802.11g	SISO	2412	1	-3.90
		2437	1	-4.74
		2462	1	-4.22
802.11n (HT20)	SISO	2412	1	-4.00
		2437	1	-4.83
		2462	1	-4.27

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.

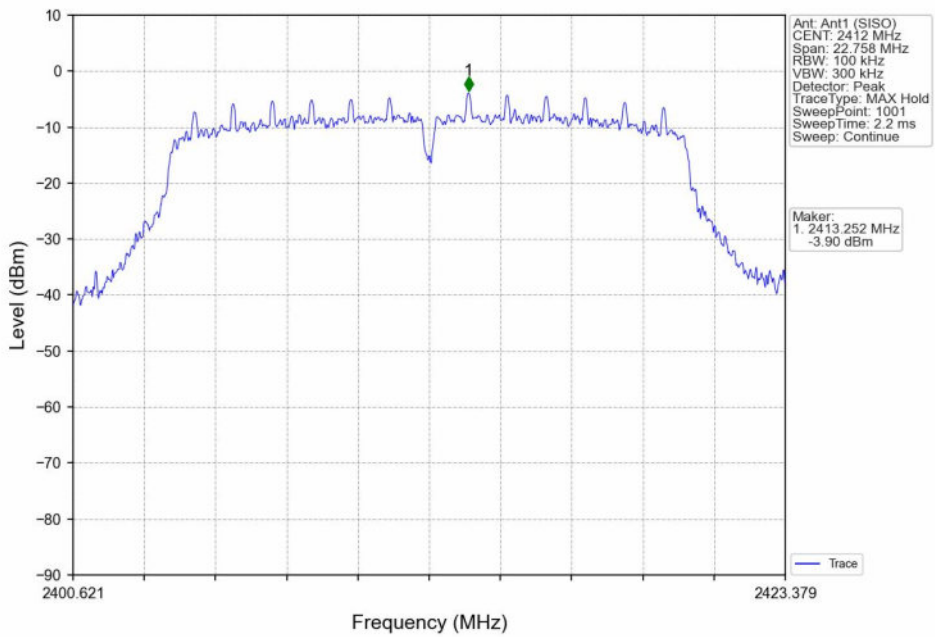
4.1.2 Test Graph



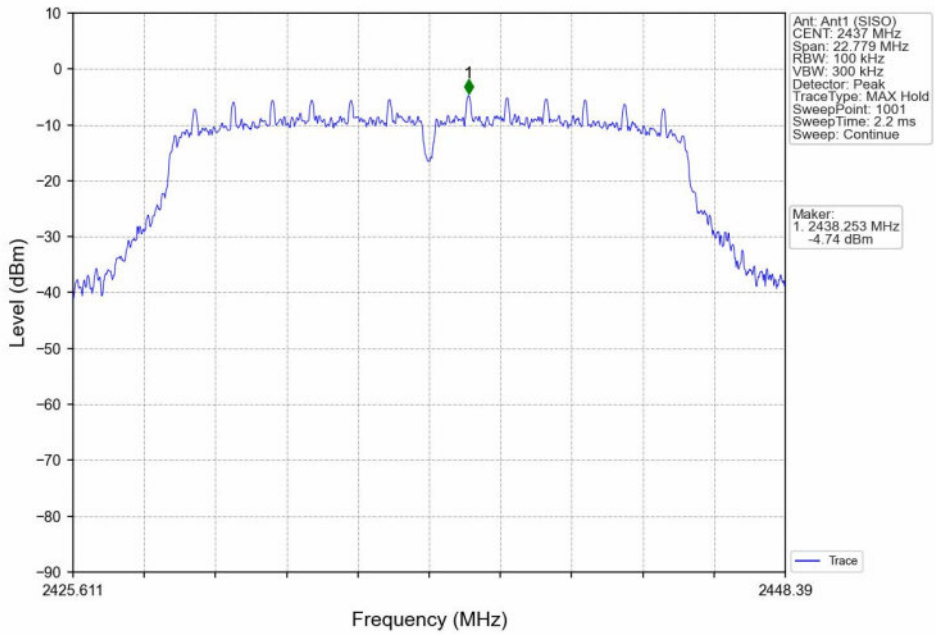
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



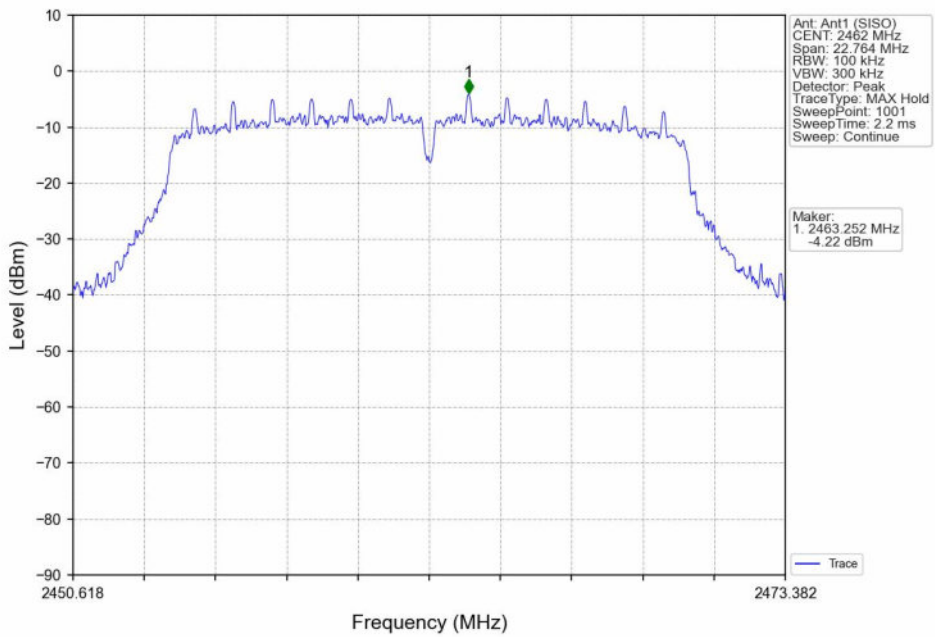
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



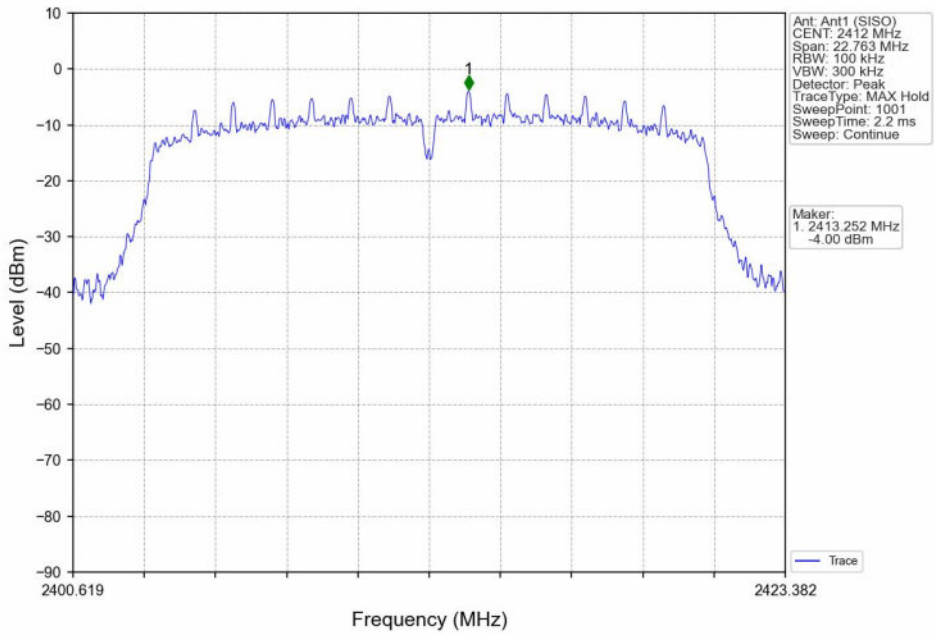
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



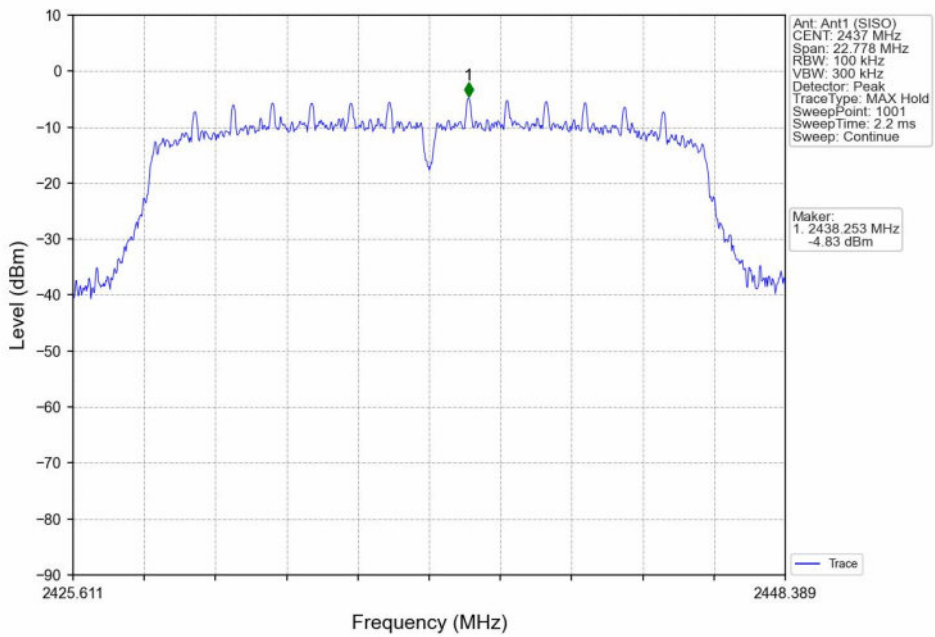
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

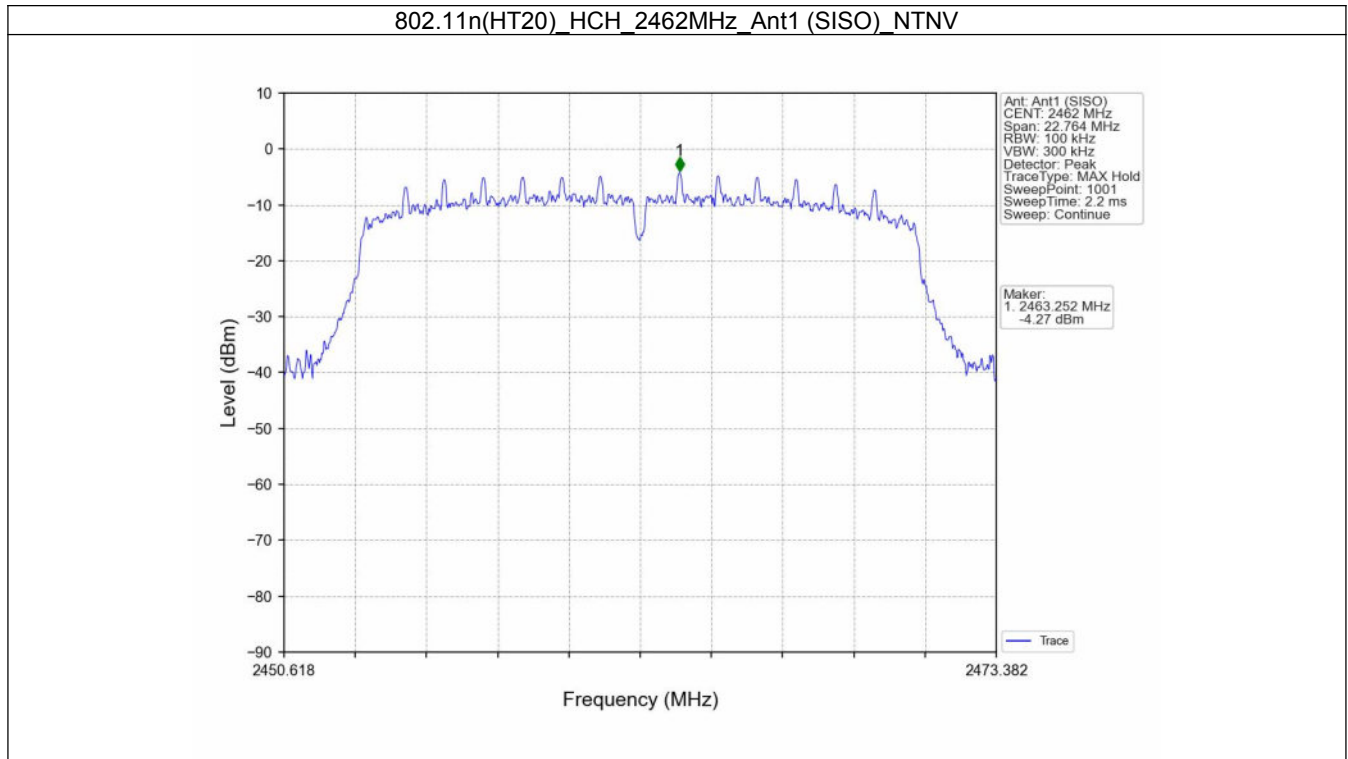


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





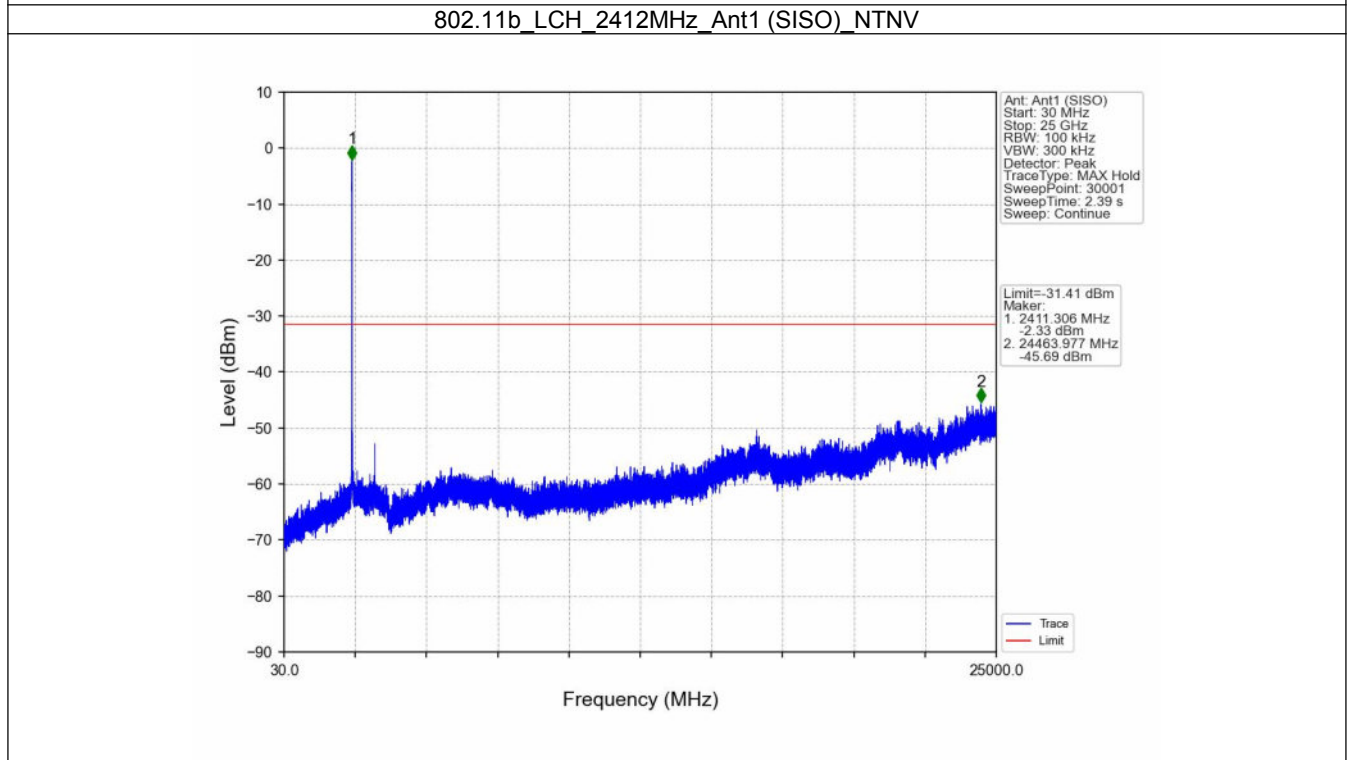
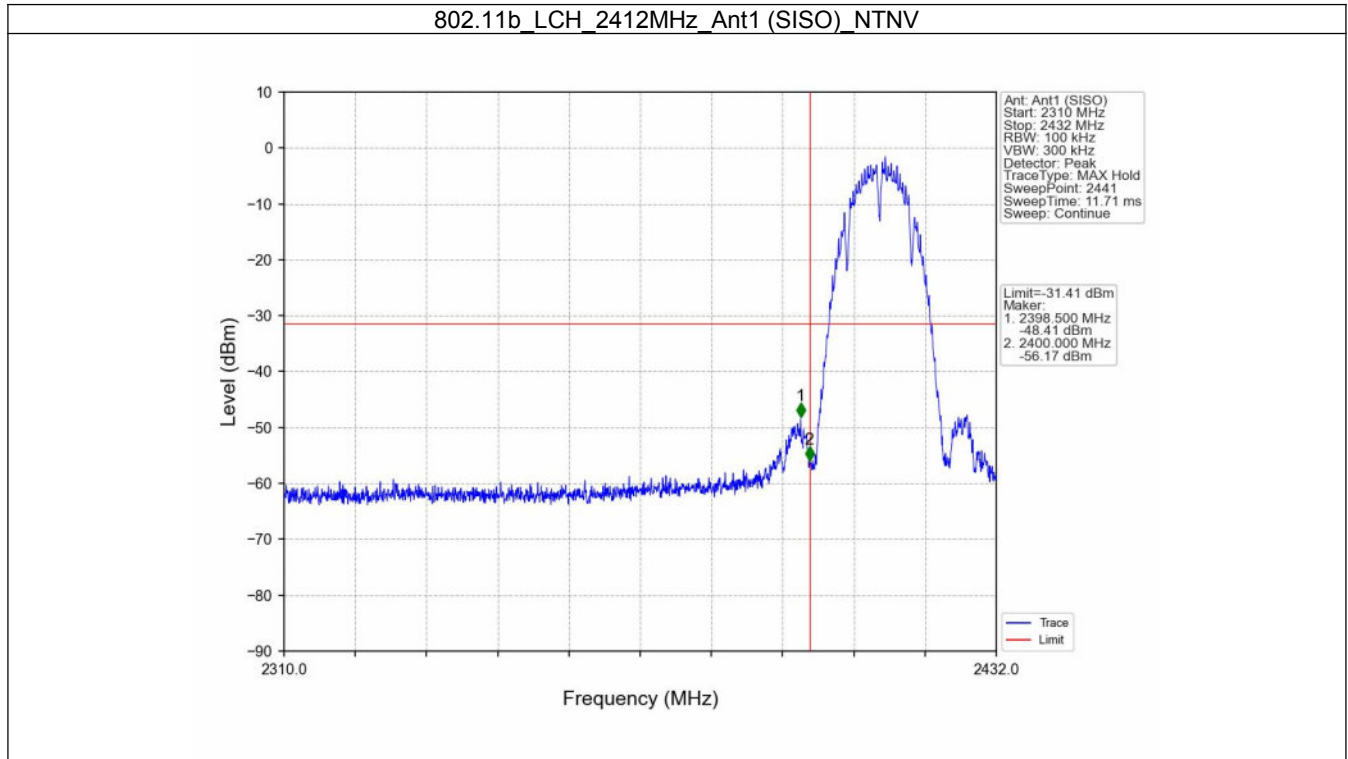
4.2 CSE

4.2.1 Test Result

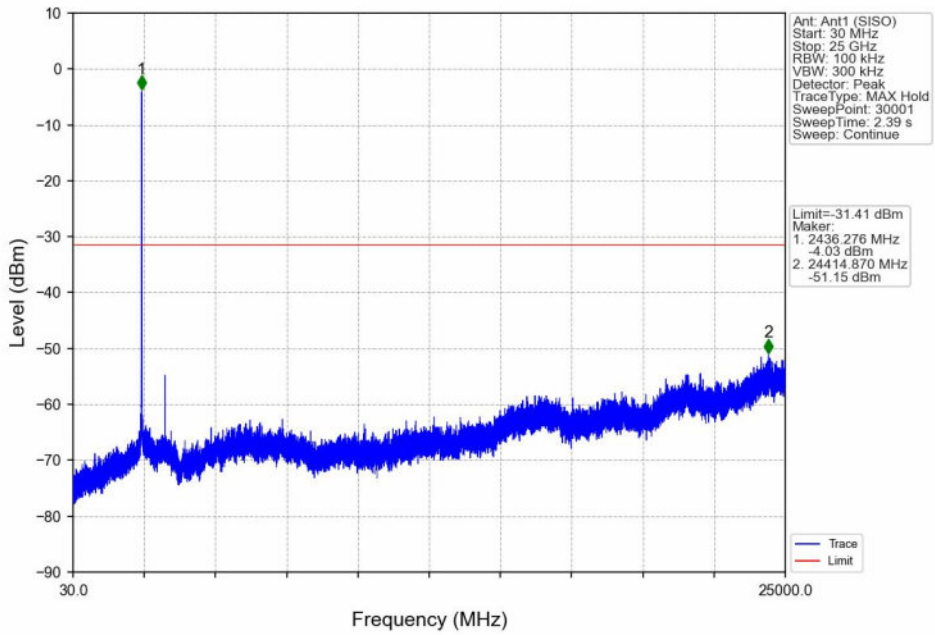
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-1.41	-31.41	Pass
		2437	1	-1.41	-31.41	Pass
		2462	1	-1.41	-31.41	Pass
802.11g	SISO	2412	1	-3.90	-33.90	Pass
		2437	1	-3.90	-33.90	Pass
		2462	1	-3.90	-33.90	Pass
802.11n (HT20)	SISO	2412	1	-4.00	-34.00	Pass
		2437	1	-4.00	-34.00	Pass
		2462	1	-4.00	-34.00	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.

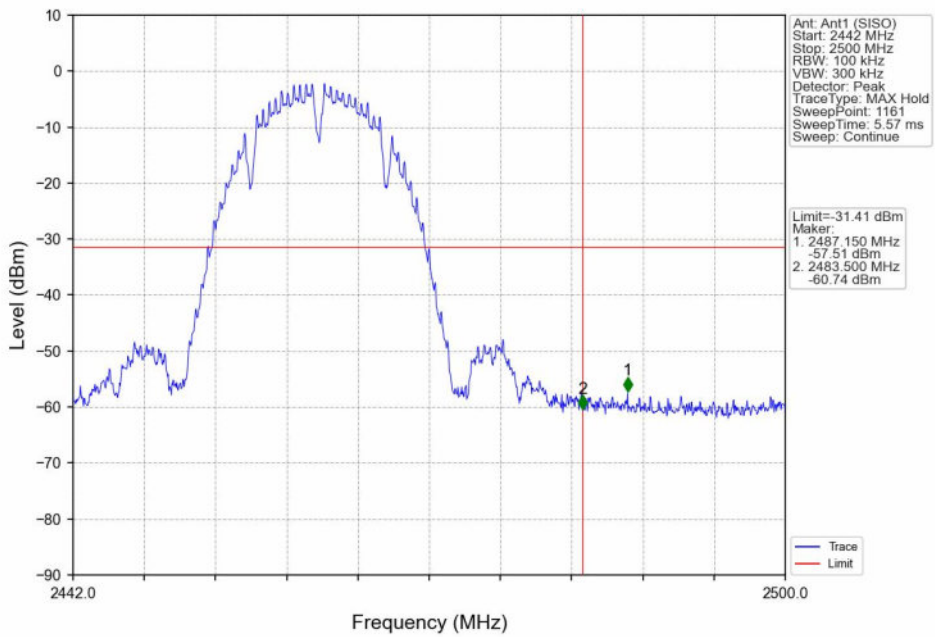
4.2.2 Test Graph



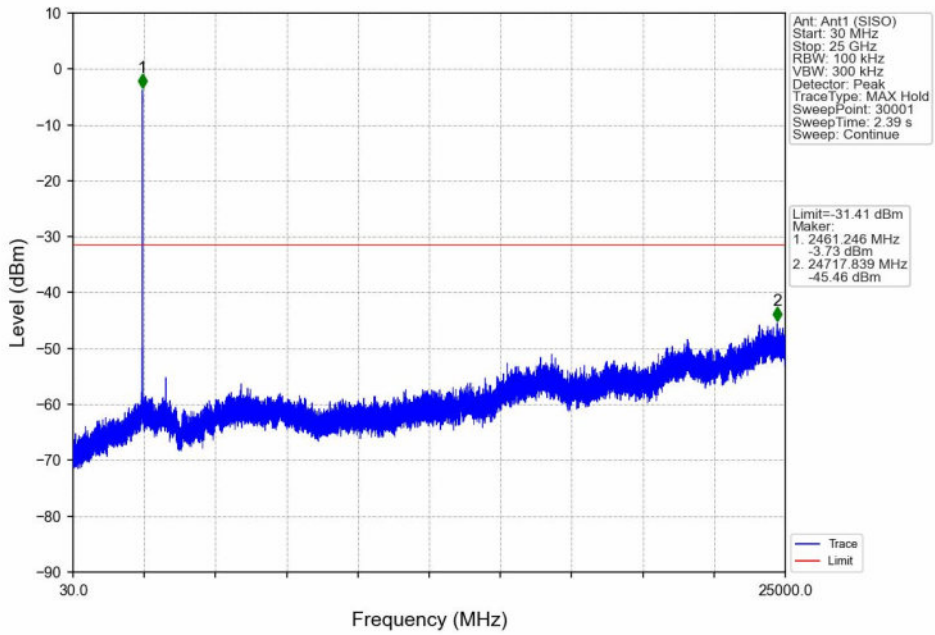
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



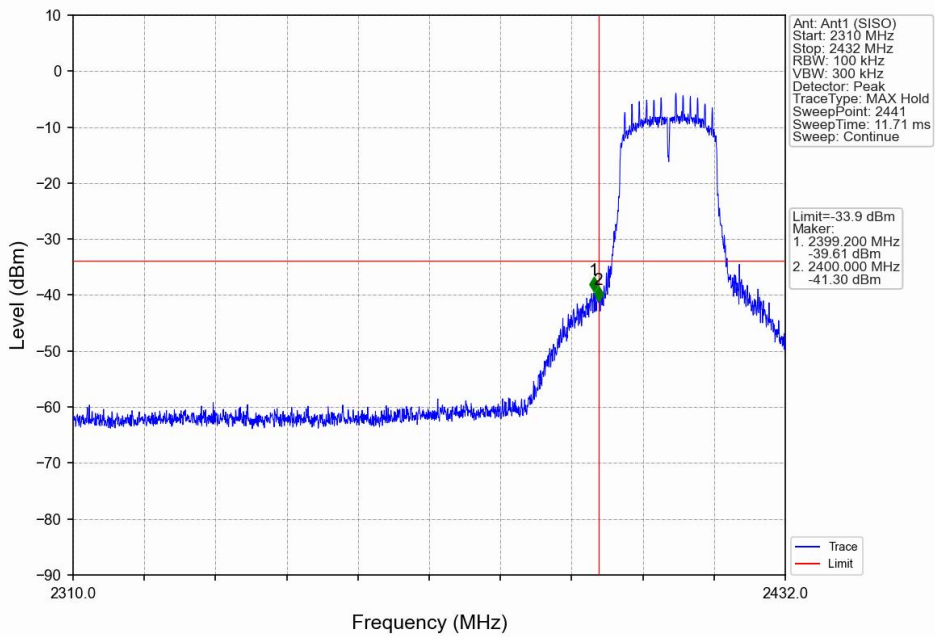
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



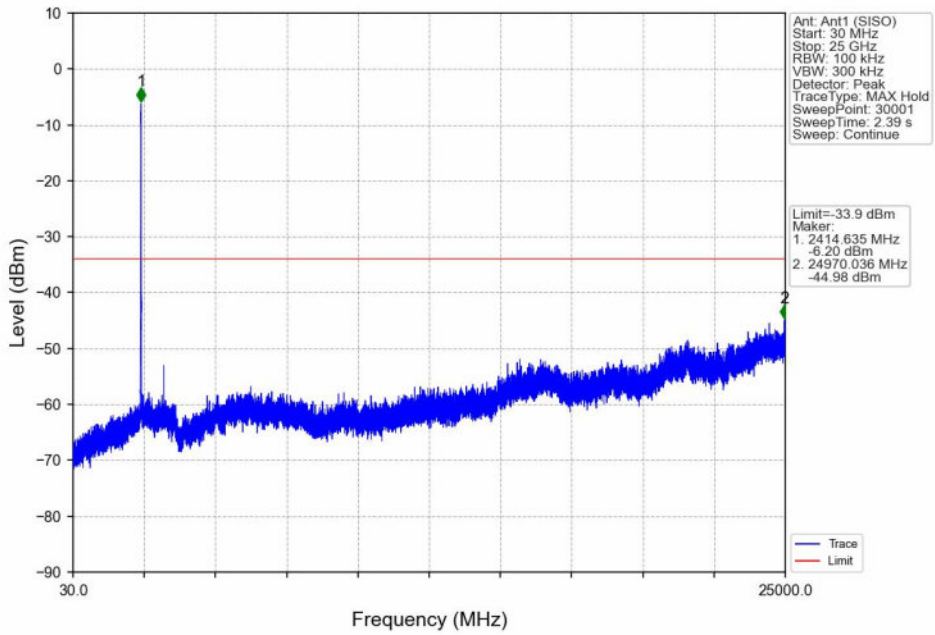
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



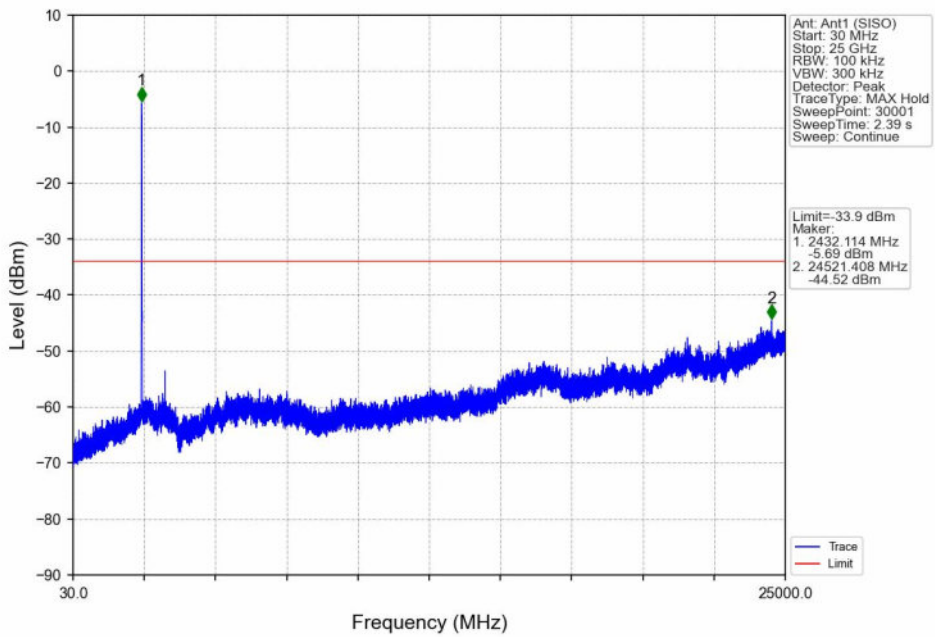
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



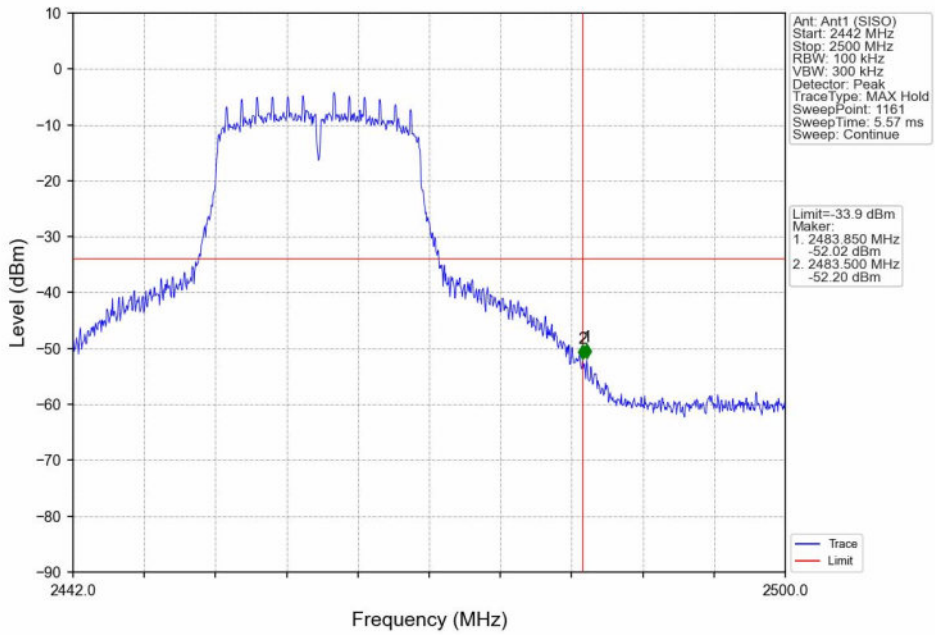
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



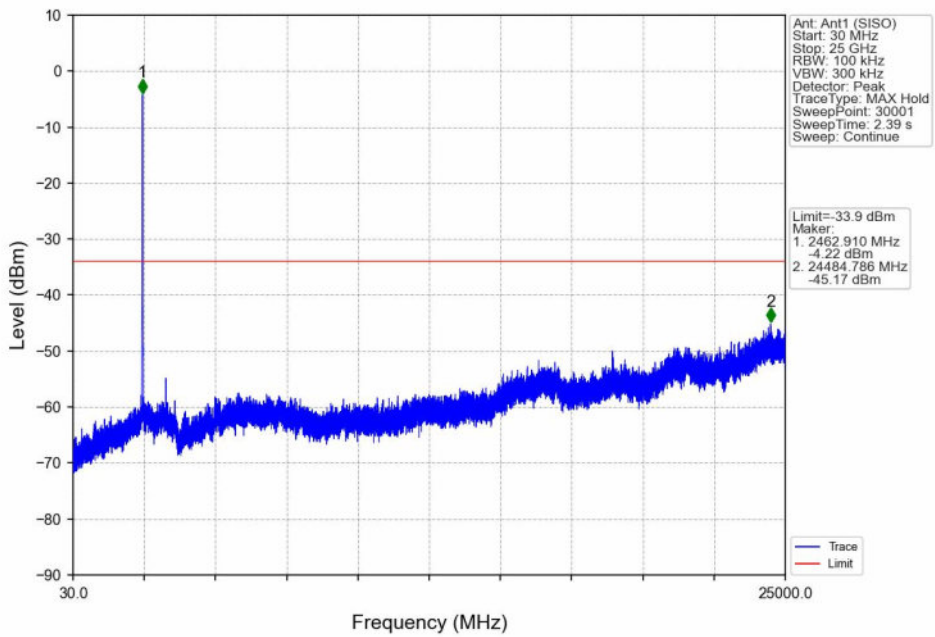
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



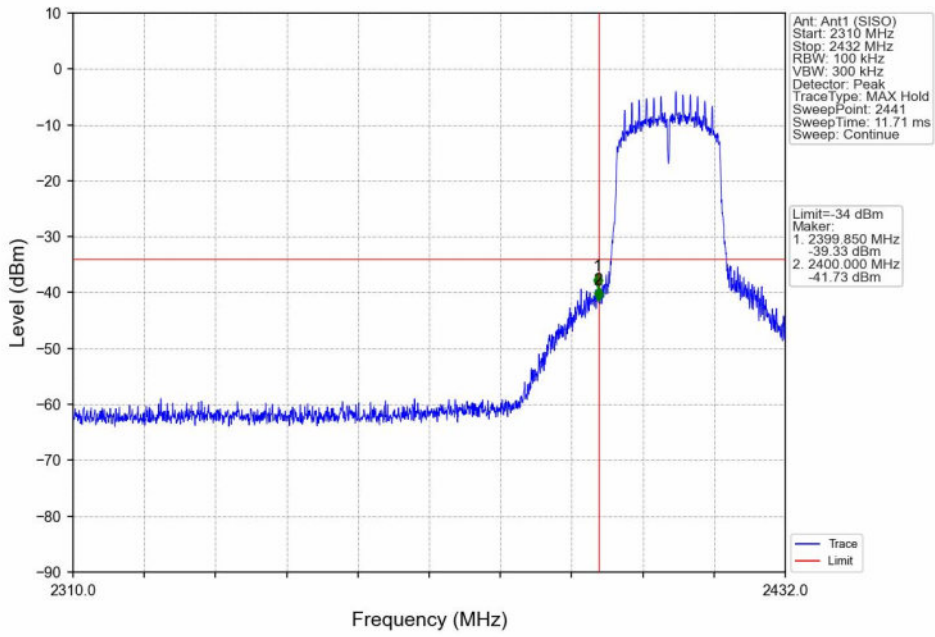
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



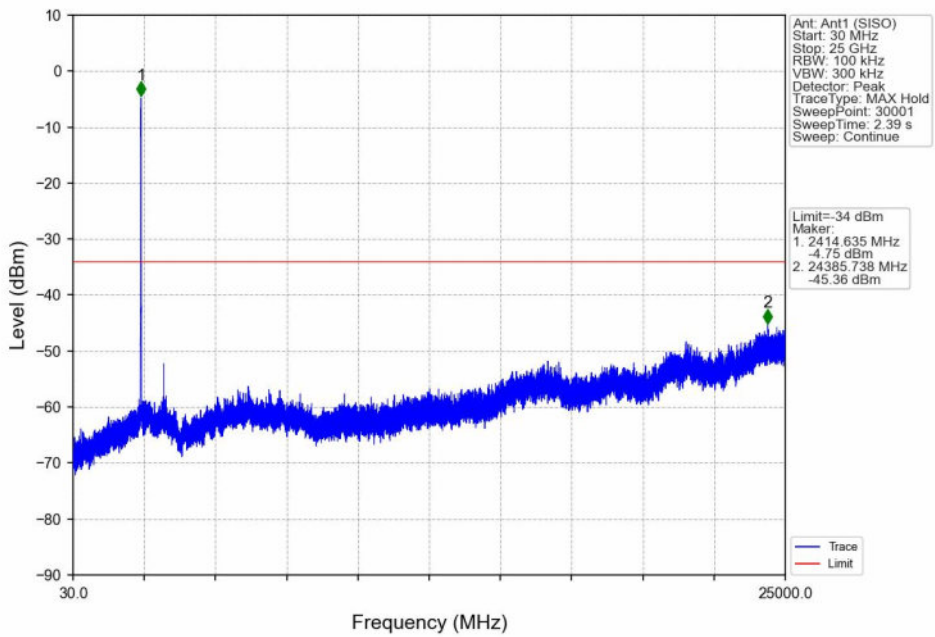
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



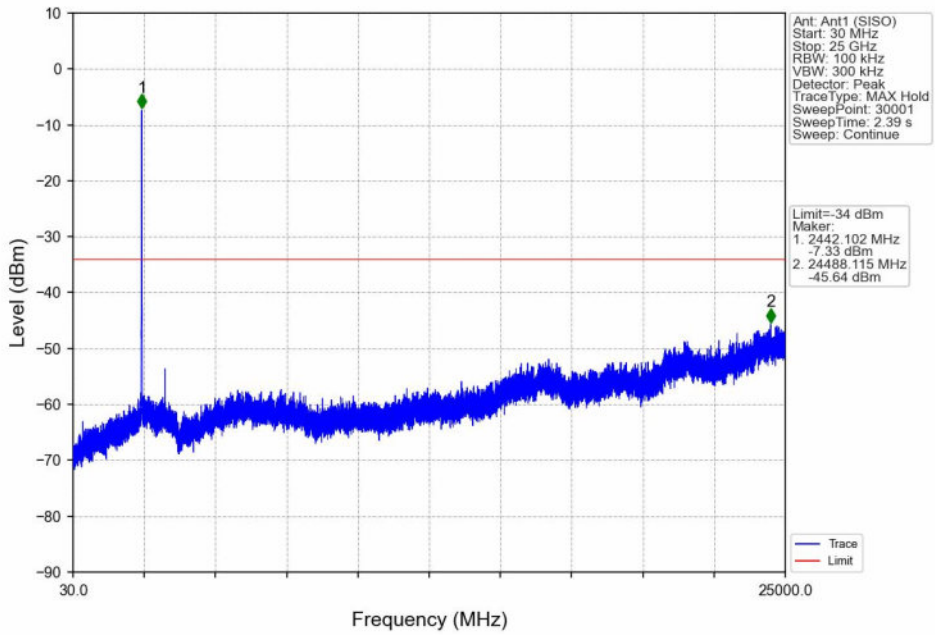
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

