

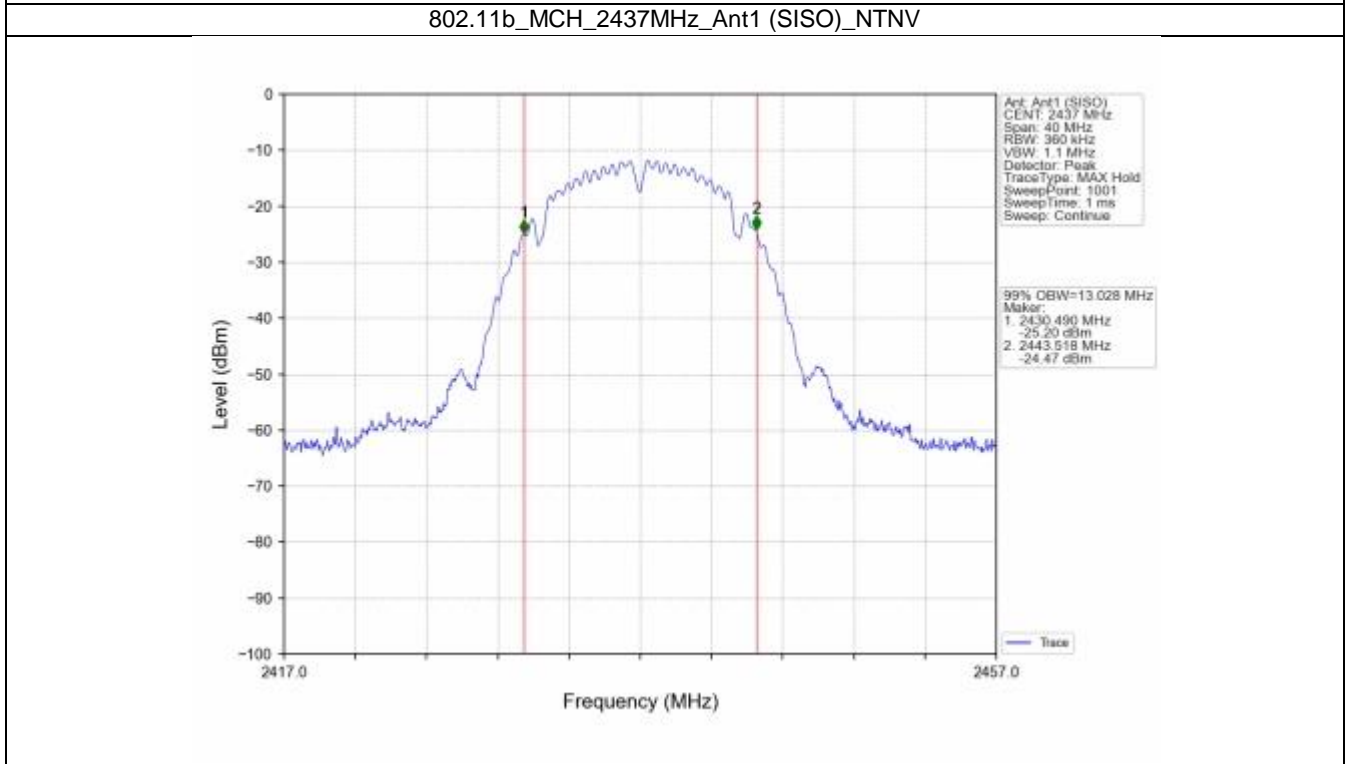
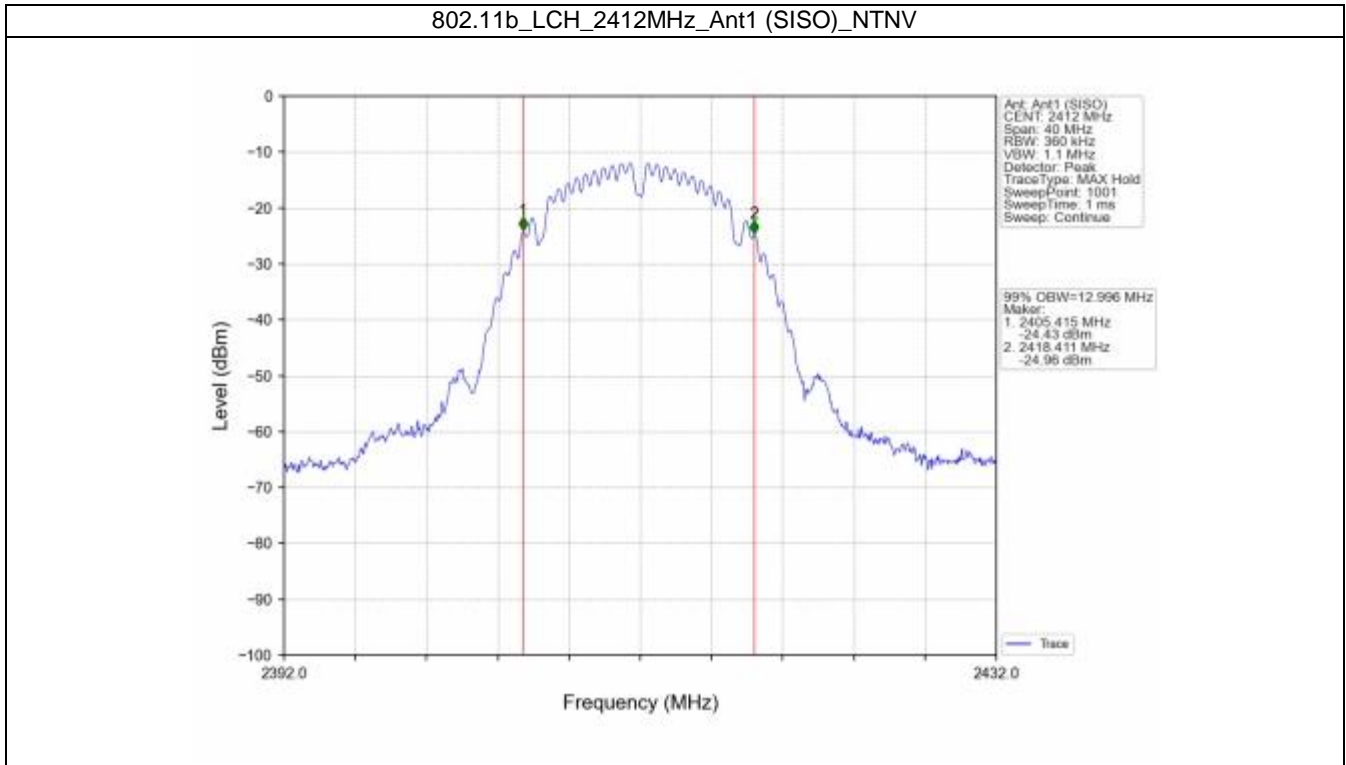
1. Bandwidth

1.1 OBW

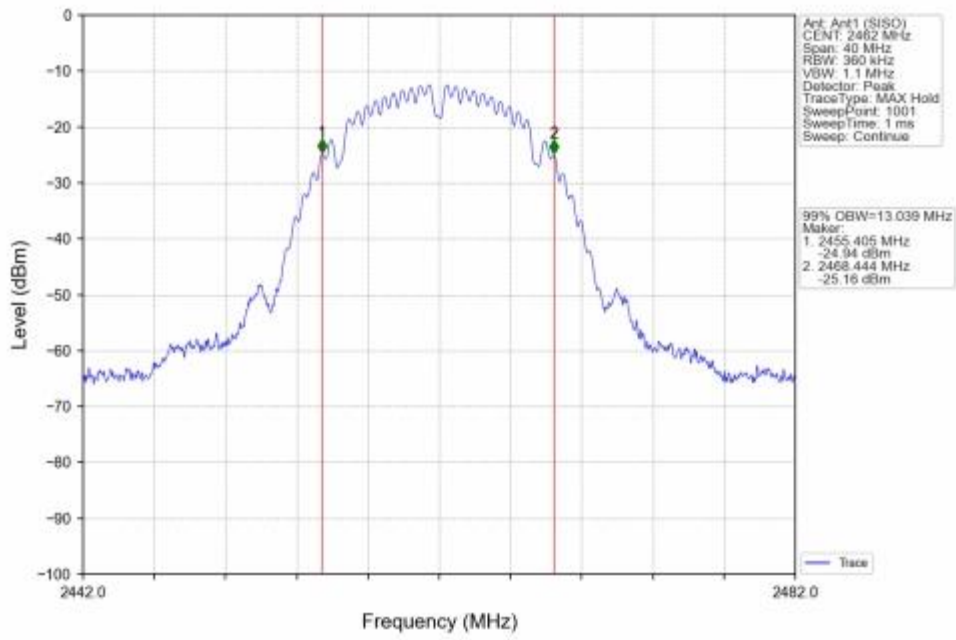
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.996	/	Pass
		2437	1	13.028	/	Pass
		2462	1	13.039	/	Pass
802.11g	SISO	2412	1	19.845	/	Pass
		2437	1	19.806	/	Pass
		2462	1	19.714	/	Pass
802.11n (HT20)	SISO	2412	1	20.057	/	Pass
		2437	1	20.636	/	Pass
		2462	1	20.990	/	Pass
802.11n (HT40)	SISO	2422	1	38.211	/	Pass
		2437	1	38.328	/	Pass
		2452	1	37.864	/	Pass

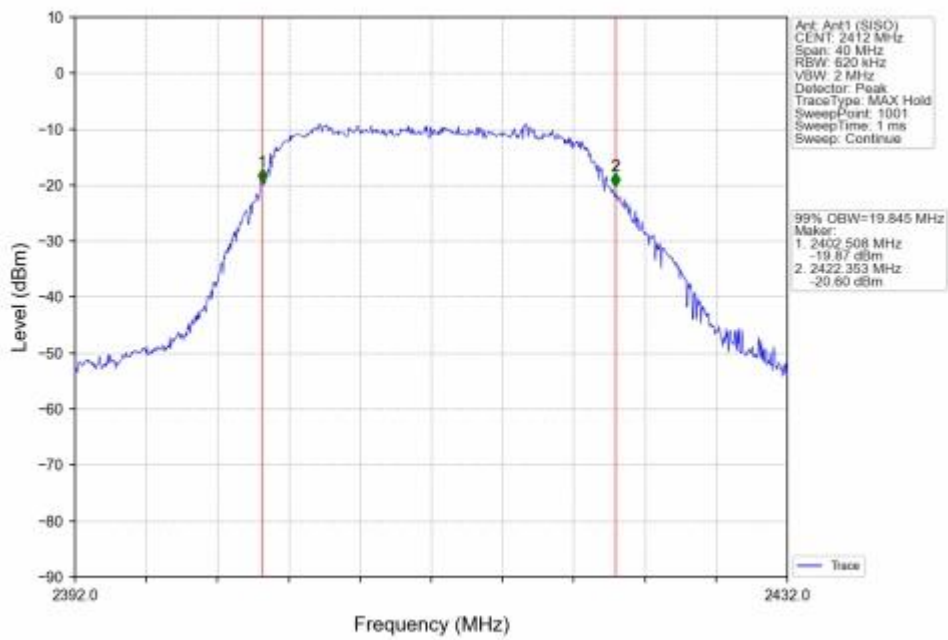
1.1.2 Test Graph



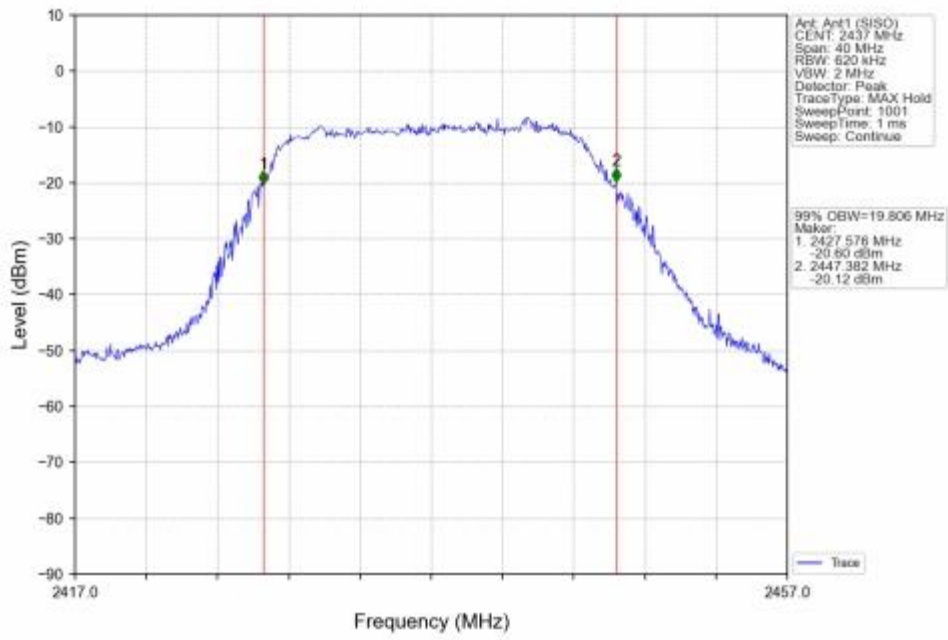
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



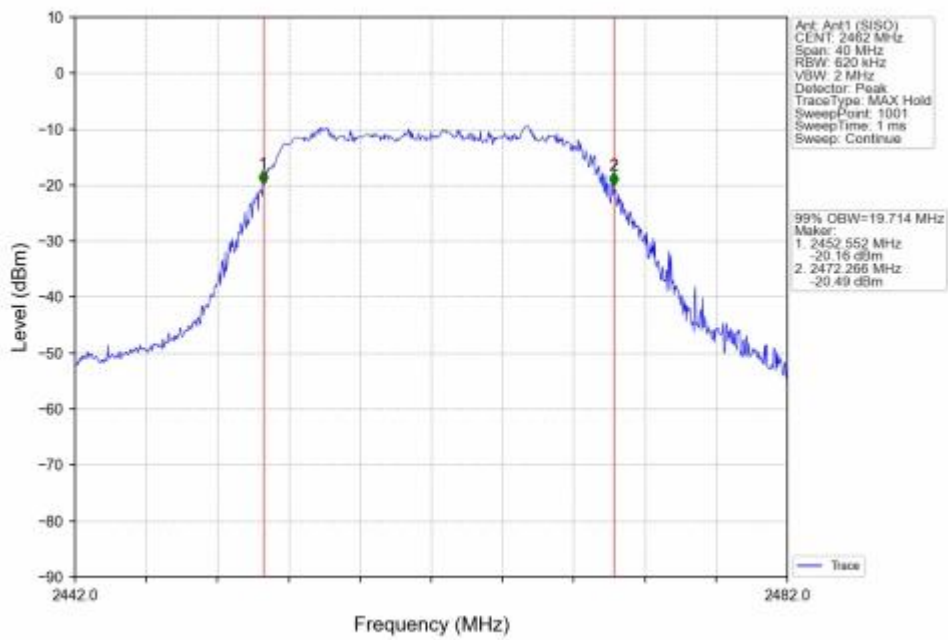
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



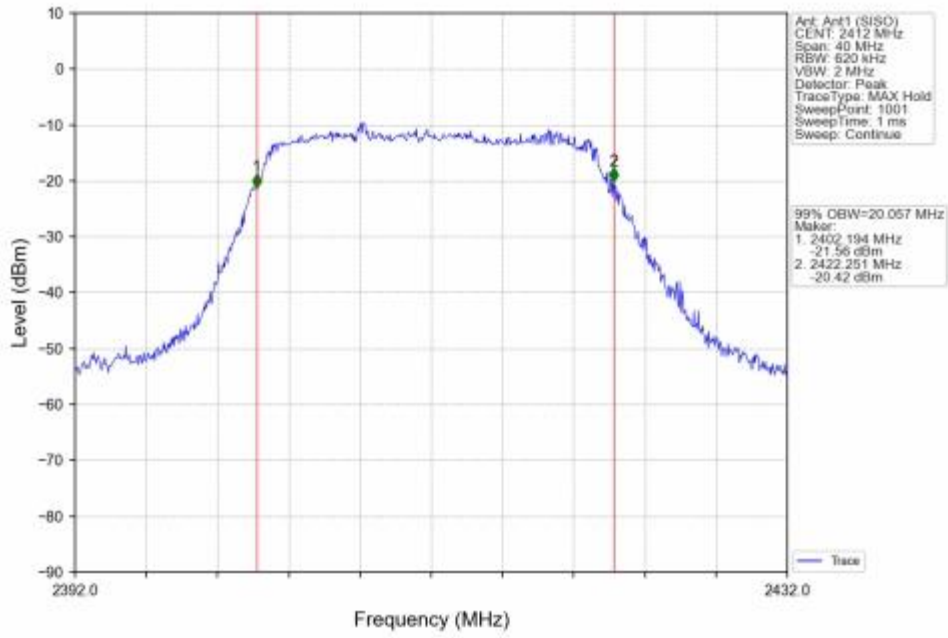
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



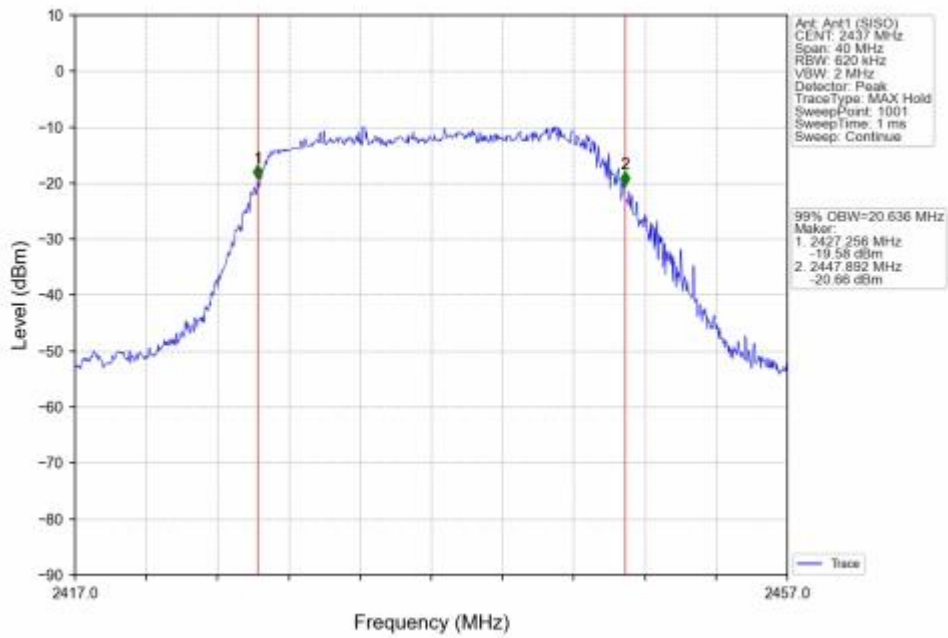
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



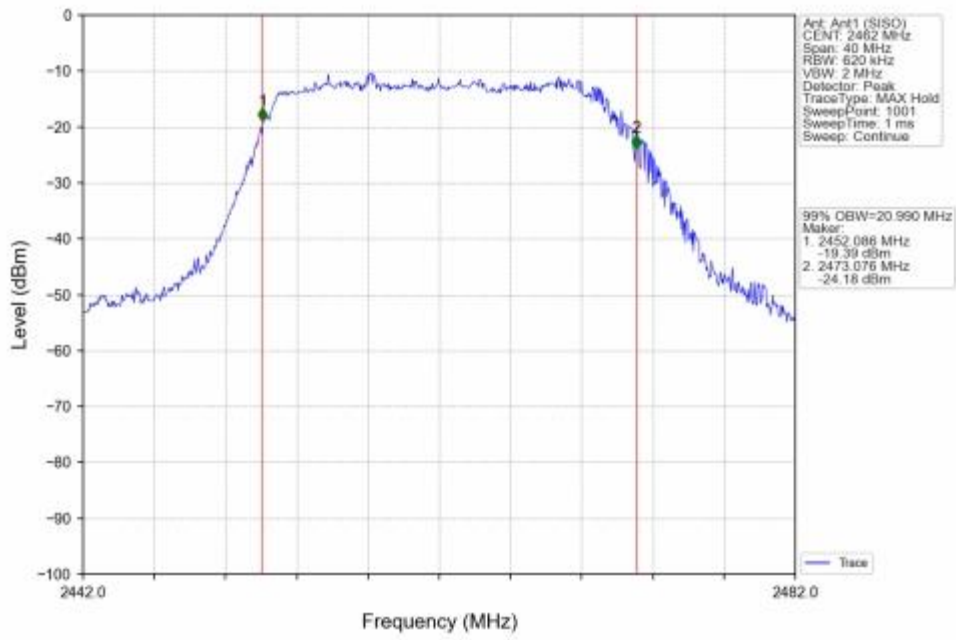
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



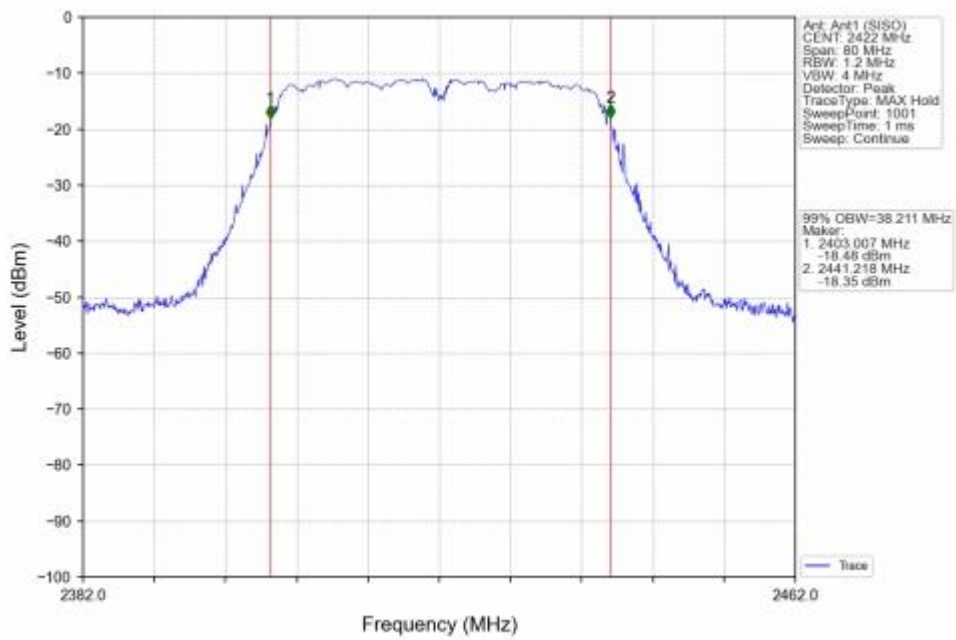
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



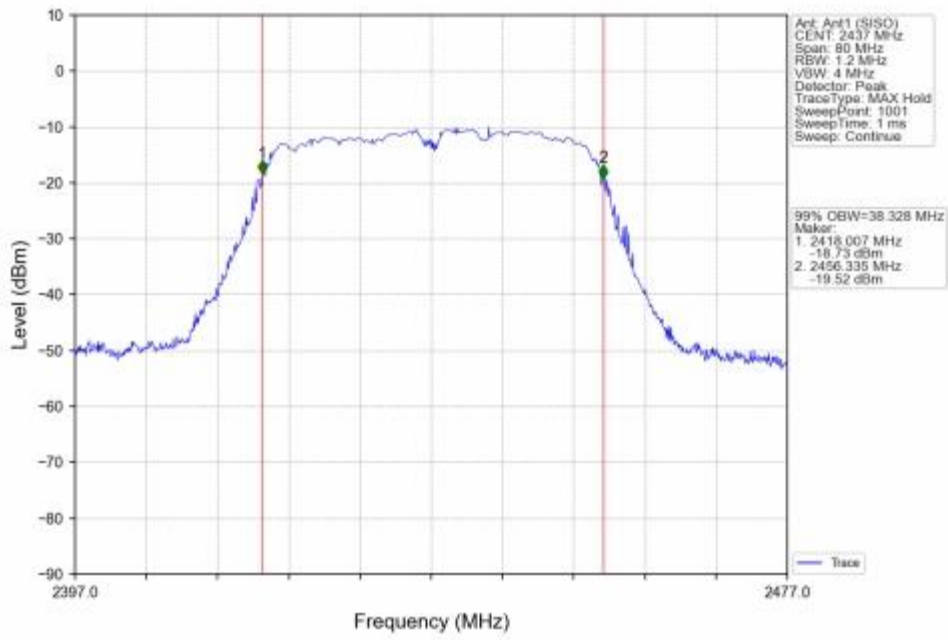
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



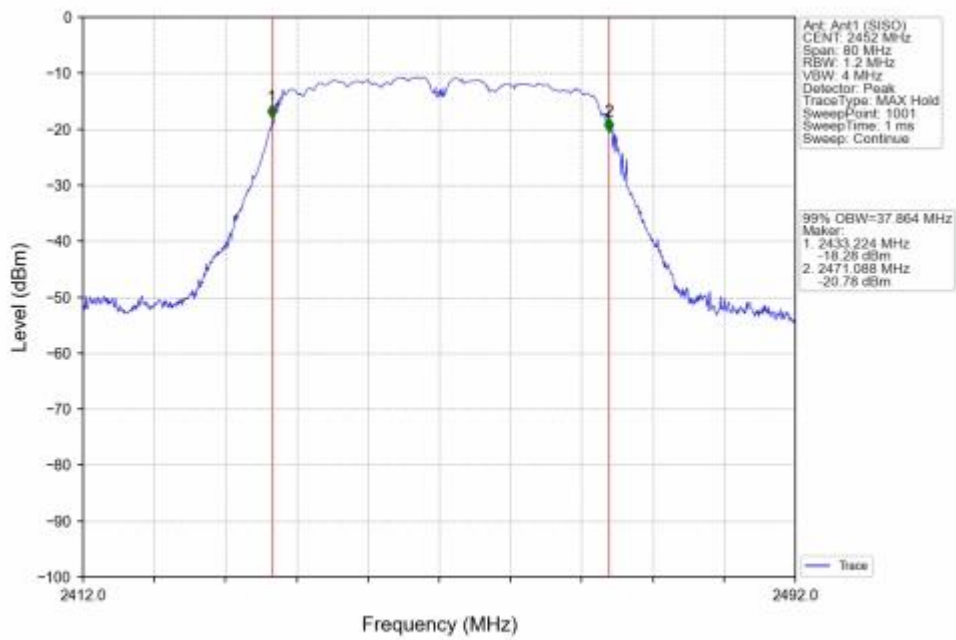
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

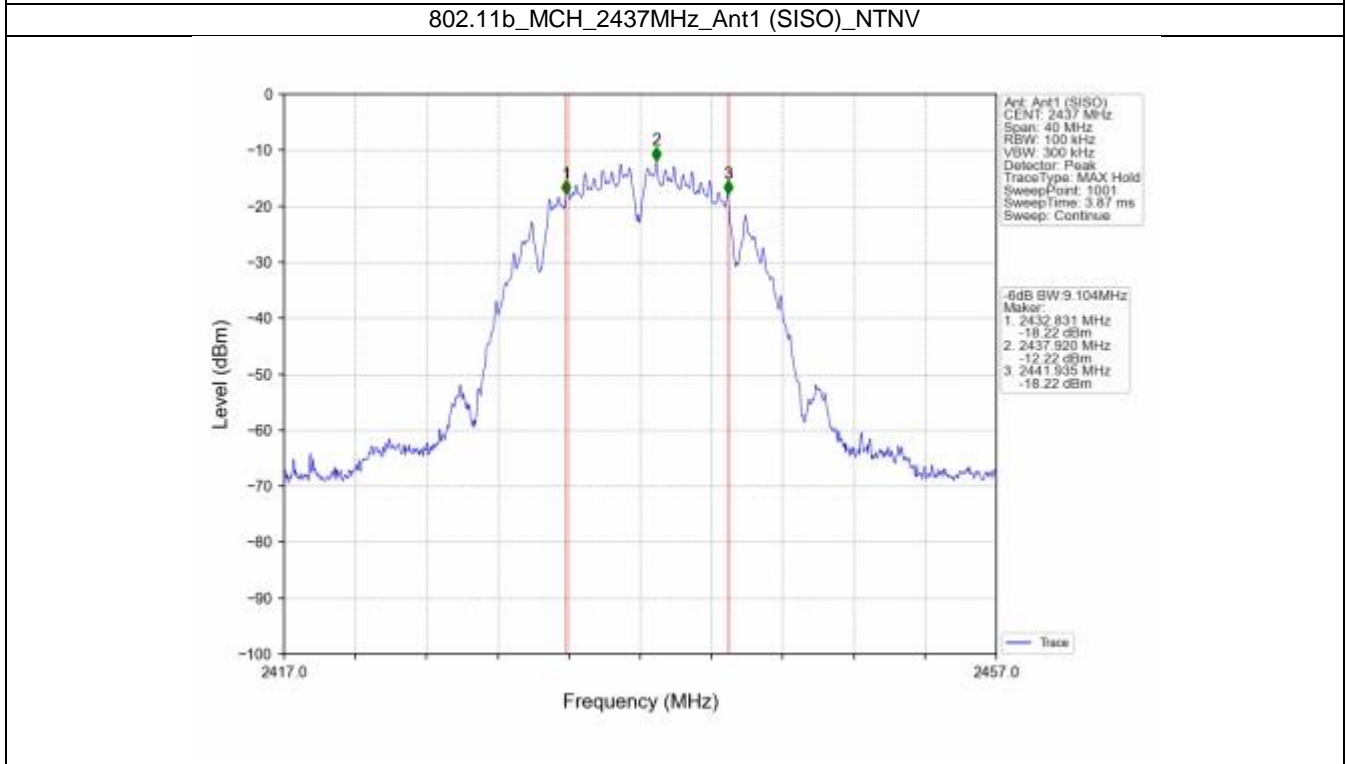
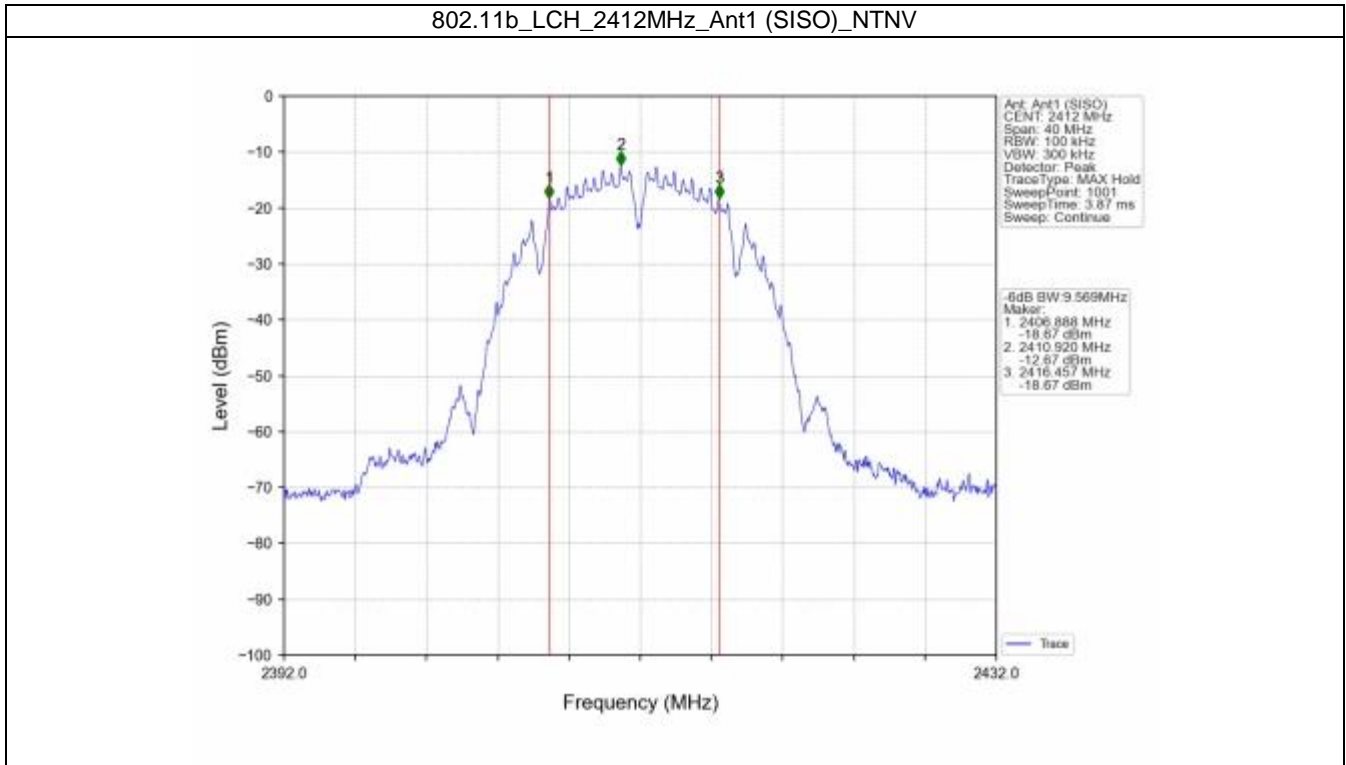


1.2 6dB BW

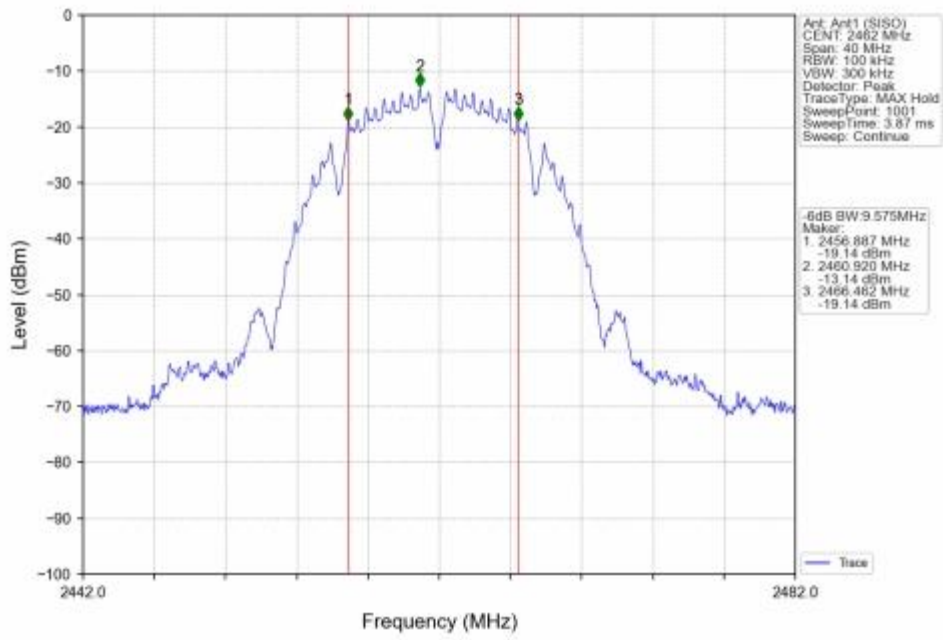
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.569	>=0.5	Pass
		2437	1	9.104	>=0.5	Pass
		2462	1	9.575	>=0.5	Pass
802.11g	SISO	2412	1	16.456	>=0.5	Pass
		2437	1	16.533	>=0.5	Pass
		2462	1	16.481	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	17.620	>=0.5	Pass
		2437	1	17.626	>=0.5	Pass
		2462	1	17.649	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	36.375	>=0.5	Pass
		2437	1	35.409	>=0.5	Pass
		2452	1	36.001	>=0.5	Pass

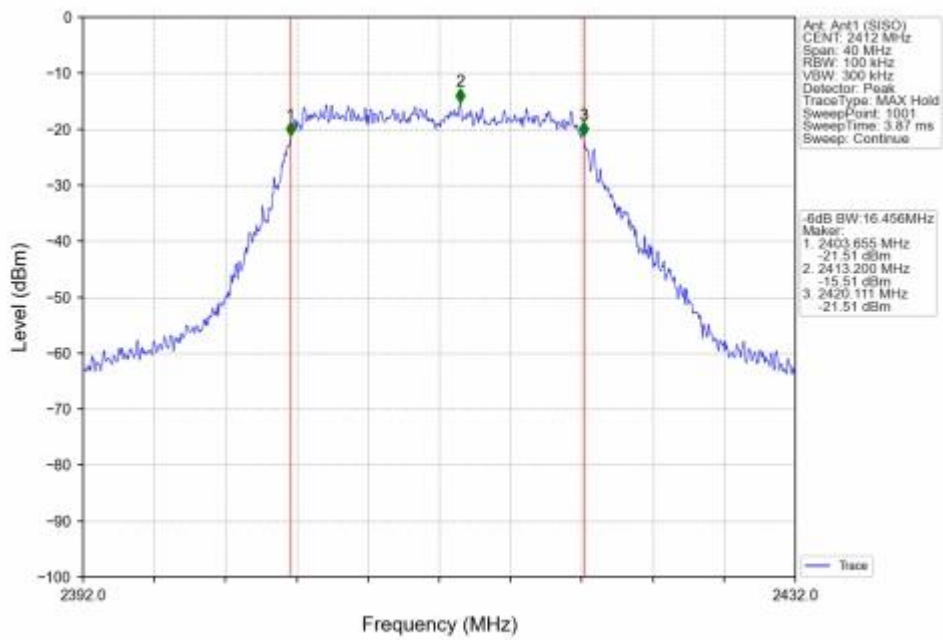
1.2.2 Test Graph



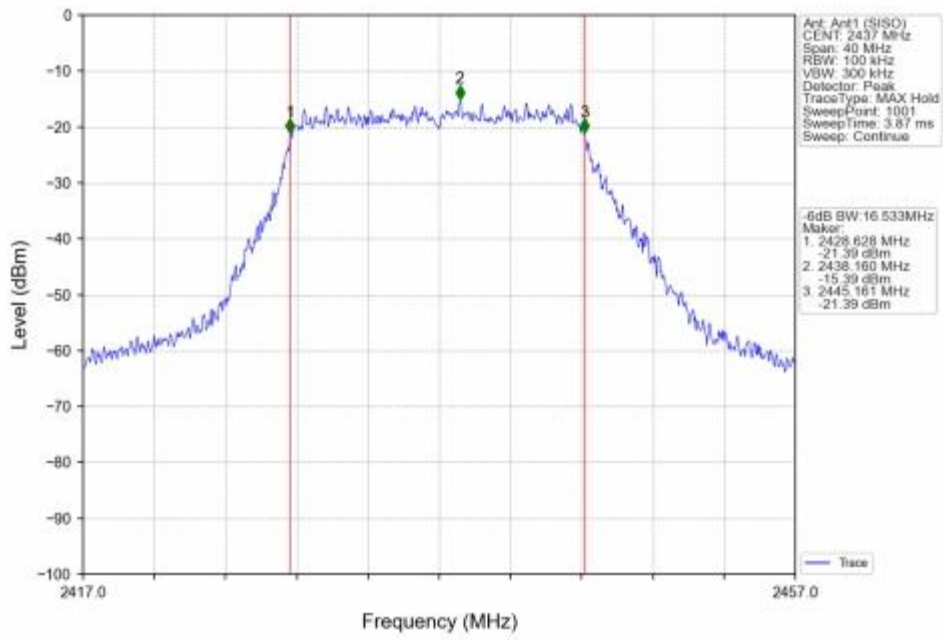
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



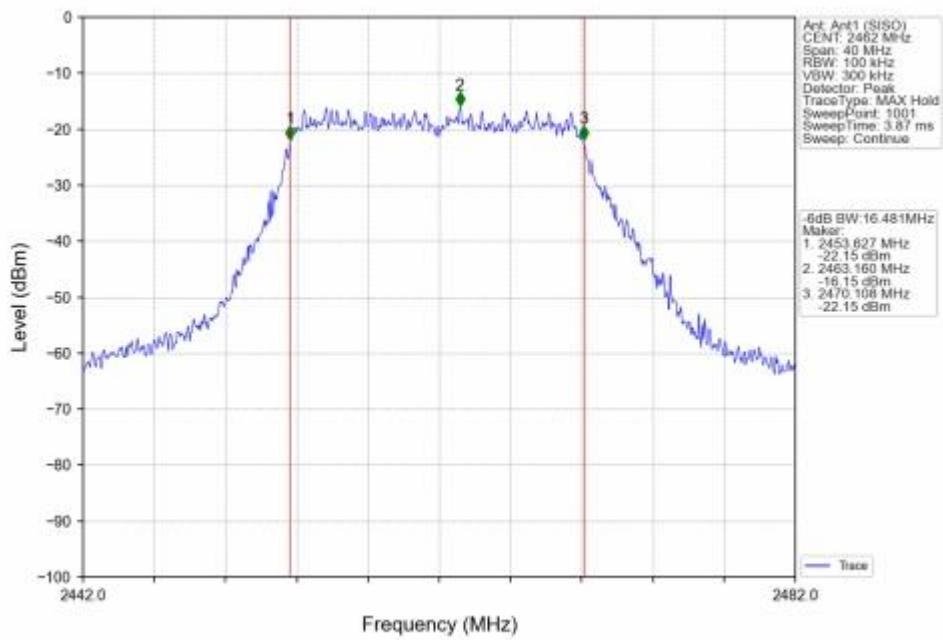
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



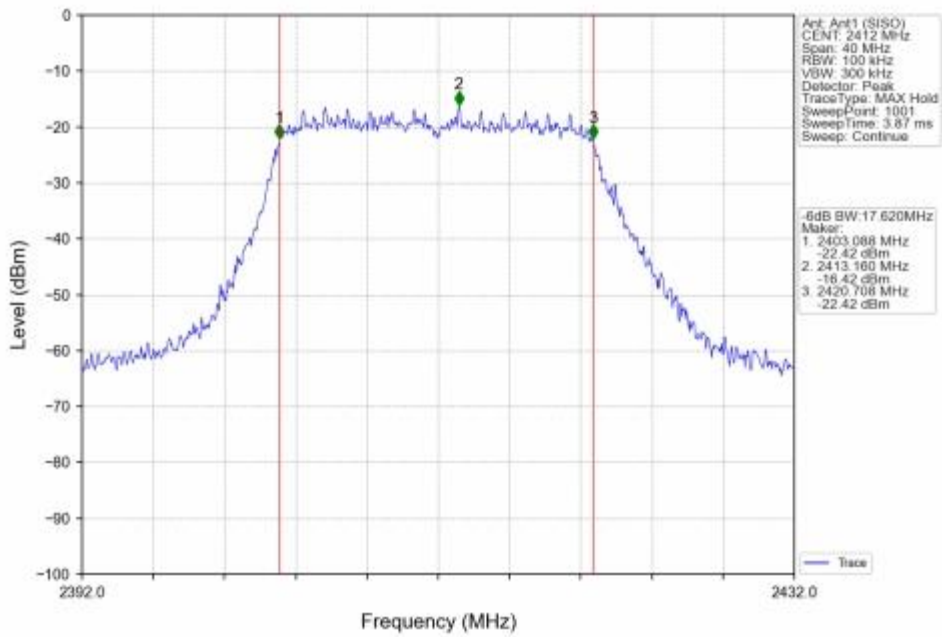
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



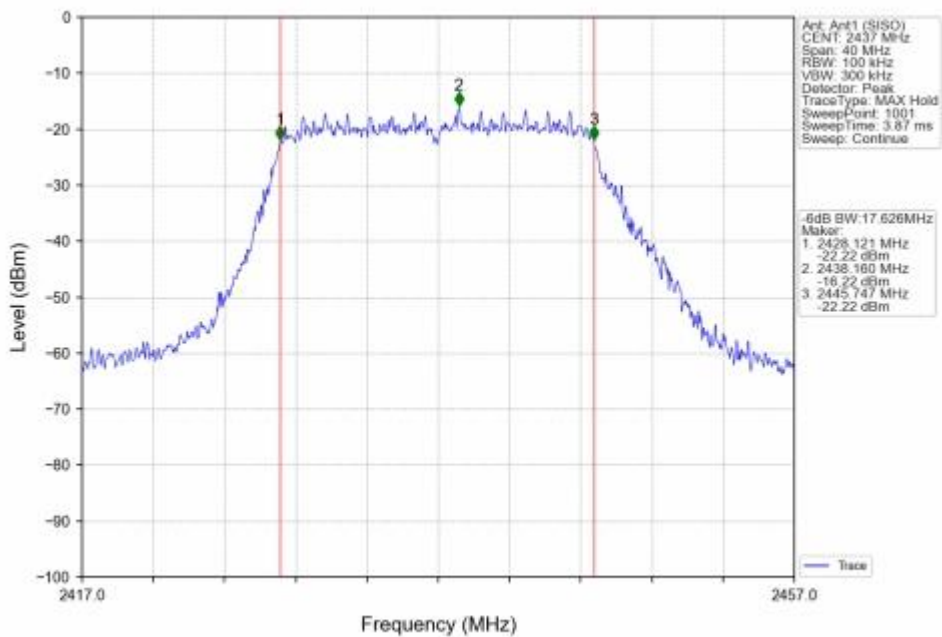
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



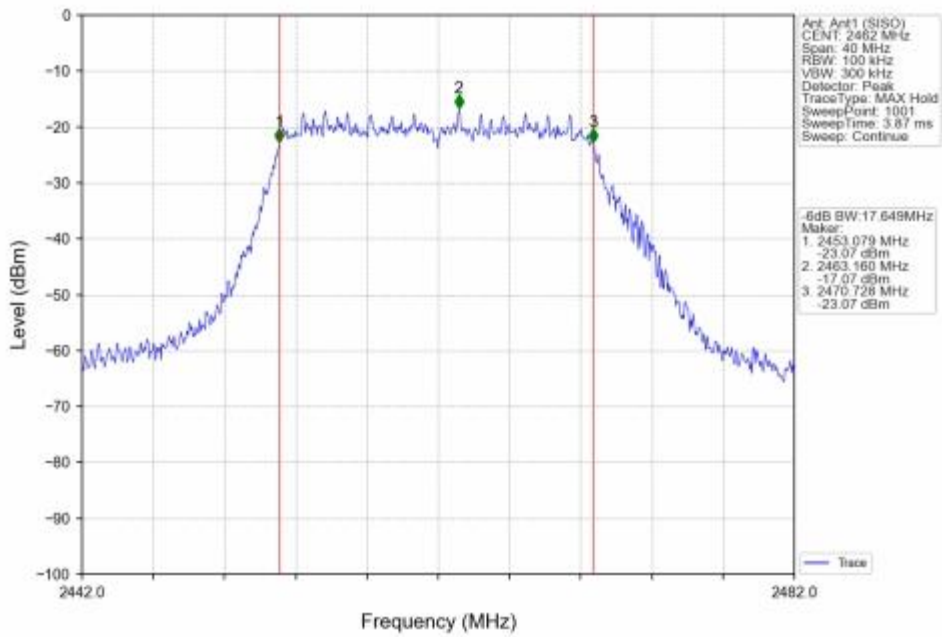
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



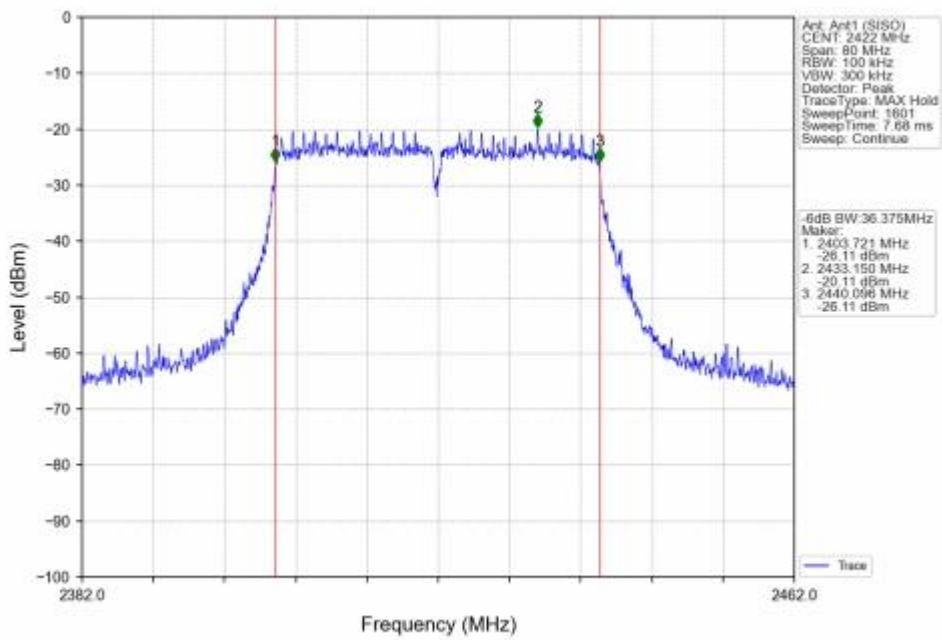
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



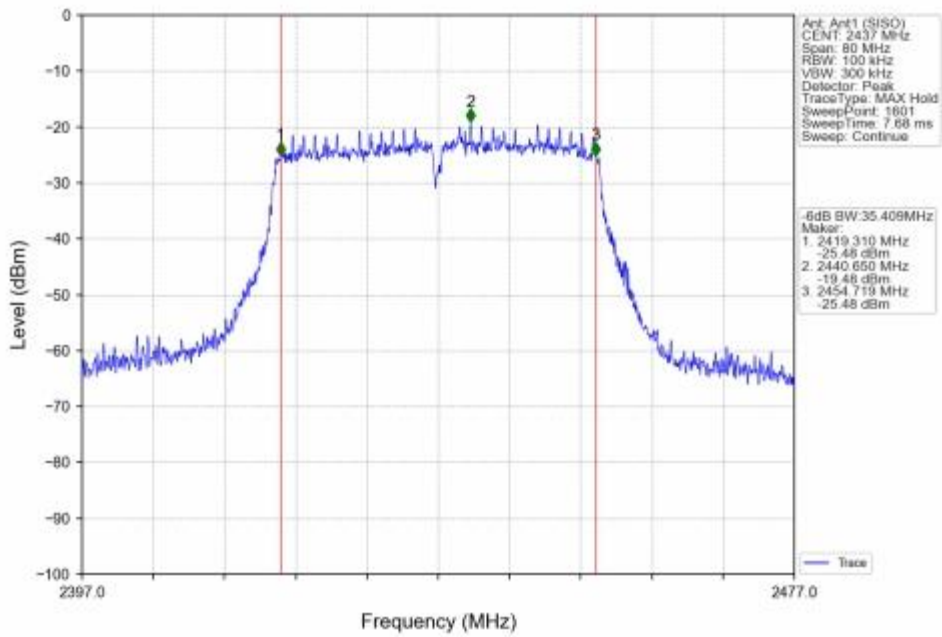
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



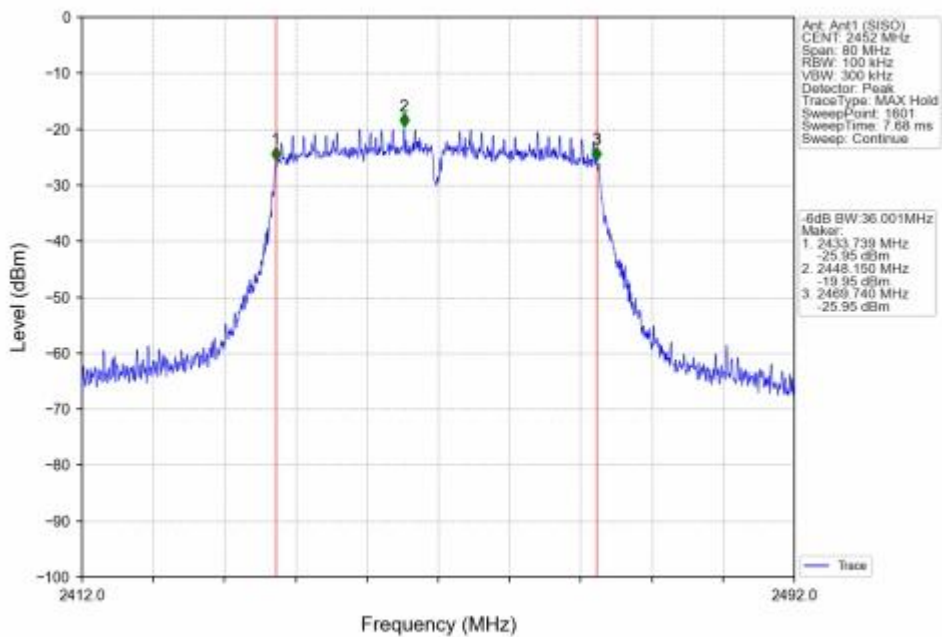
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

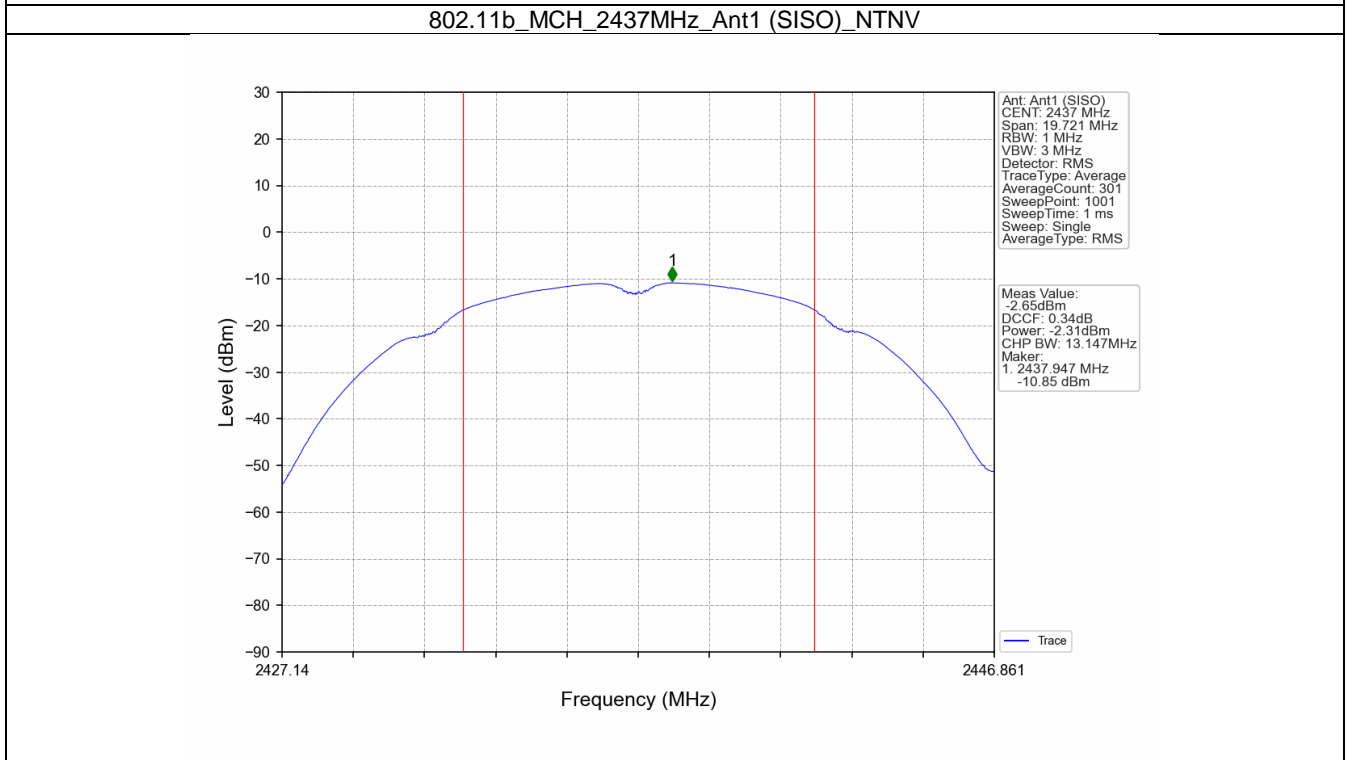
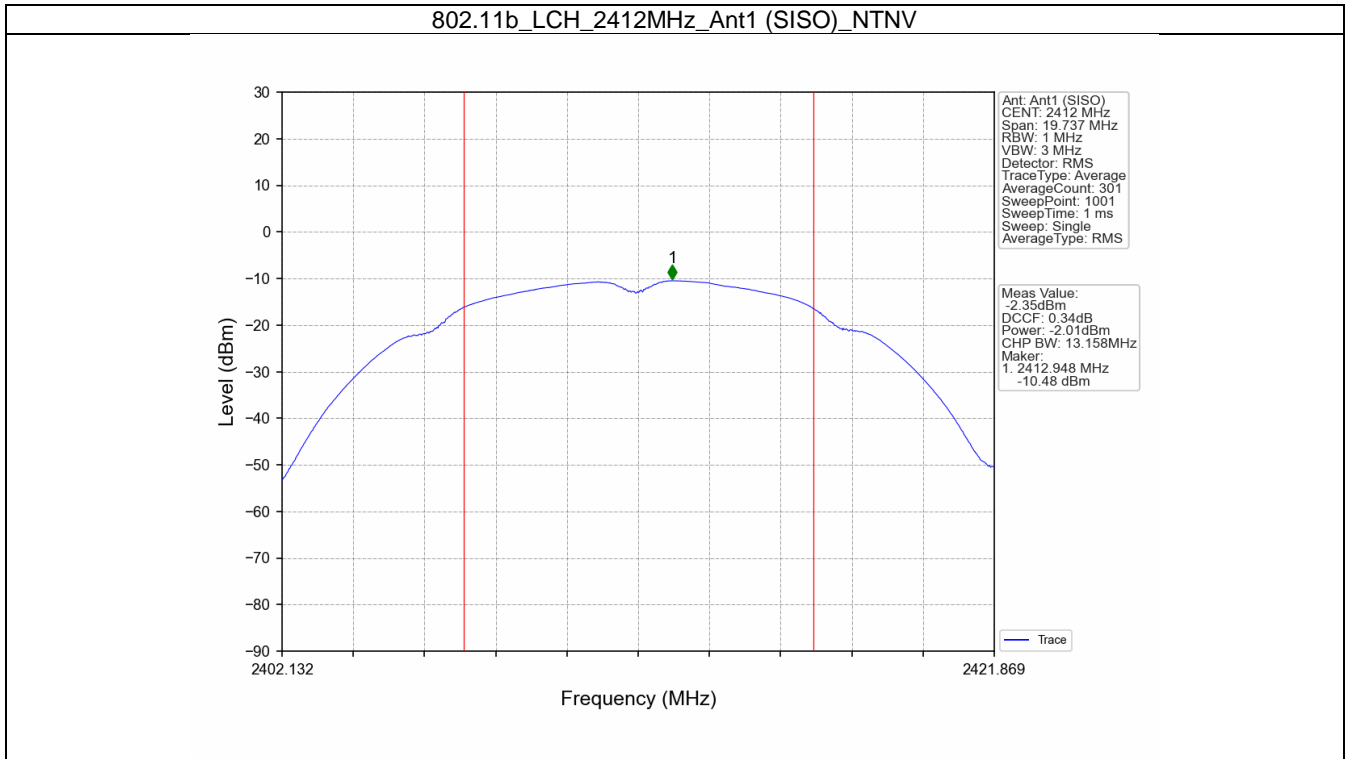
2.1 Power

2.1.1 Test Result

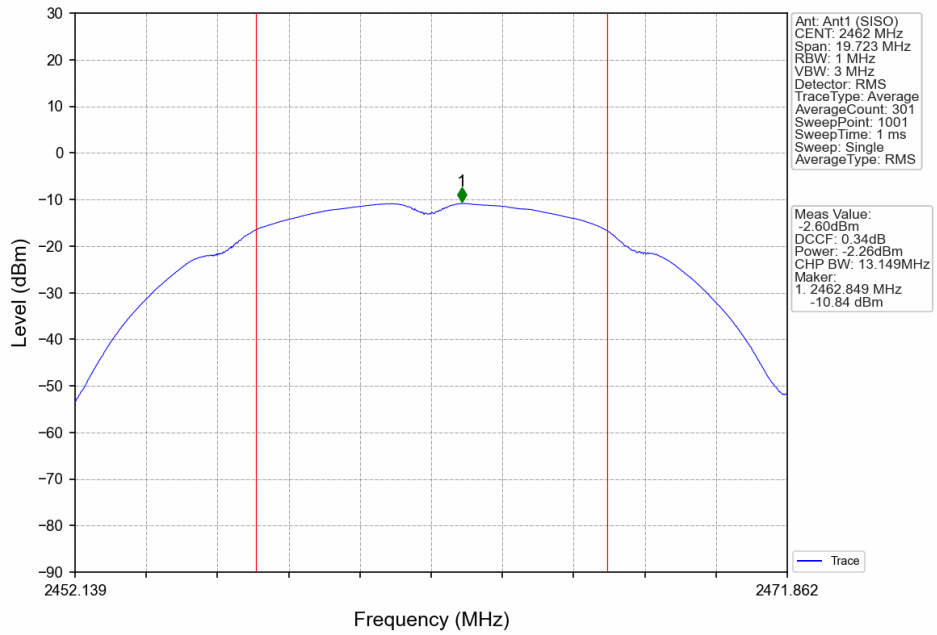
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-2.01	<=30	Pass
		2437	-2.31	<=30	Pass
		2462	-2.26	<=30	Pass
802.11g	SISO	2412	-2.79	<=30	Pass
		2437	-3.13	<=30	Pass
		2462	-3.05	<=30	Pass
802.11n (HT20)	SISO	2412	-3.80	<=30	Pass
		2437	-4.13	<=30	Pass
		2462	-4.05	<=30	Pass
802.11n (HT40)	SISO	2422	-3.35	<=30	Pass
		2437	-4.59	<=30	Pass
		2452	-5.03	<=30	Pass

Note1: Antenna Gain: Ant1: 2.23dBi;

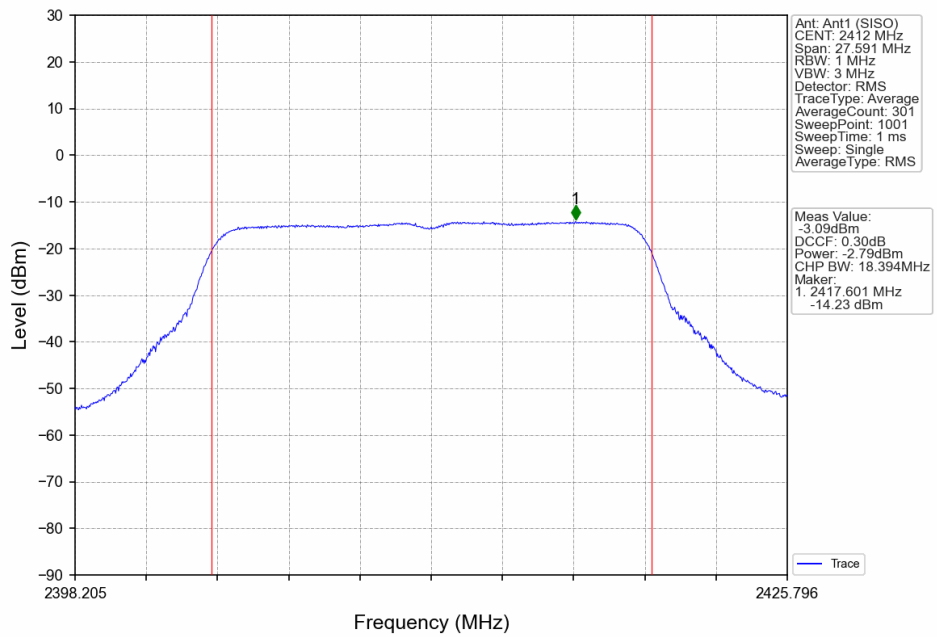
2.1.2 Test Graph



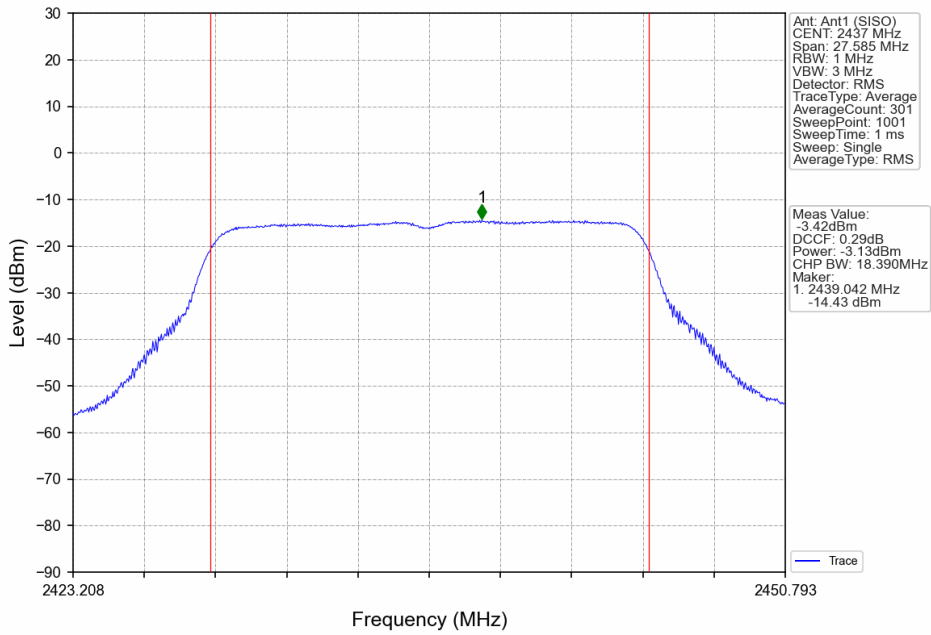
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



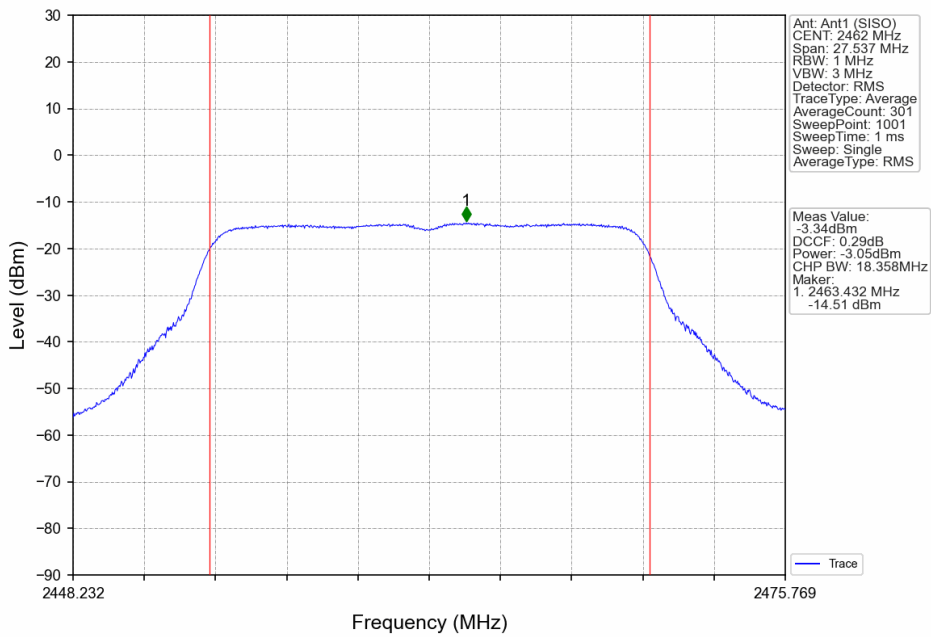
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



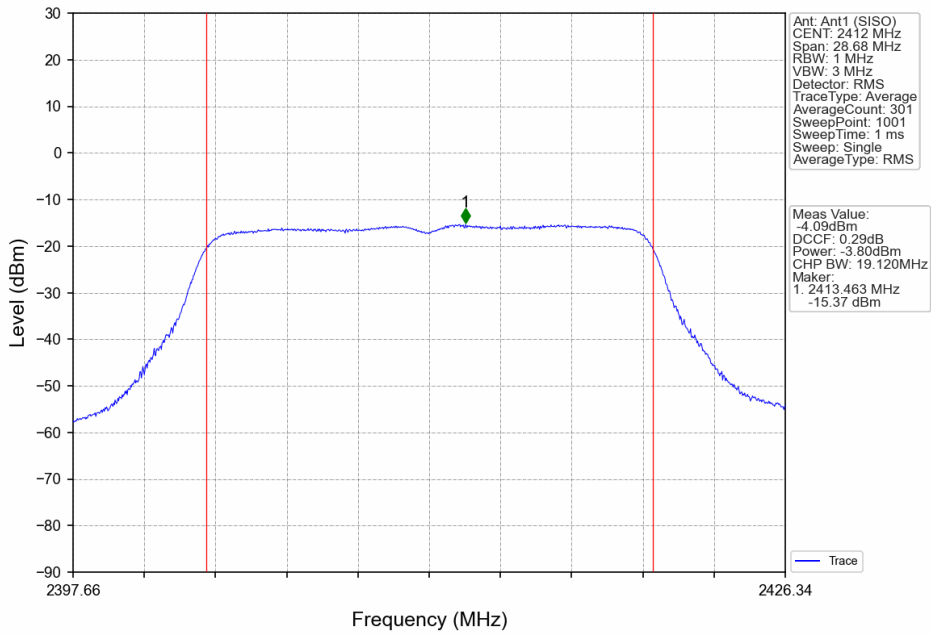
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



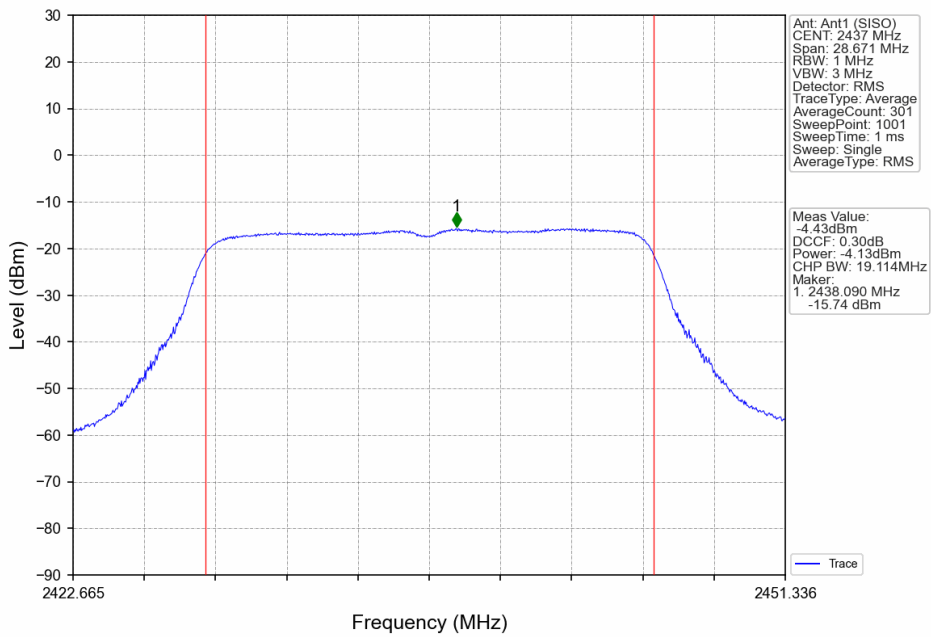
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



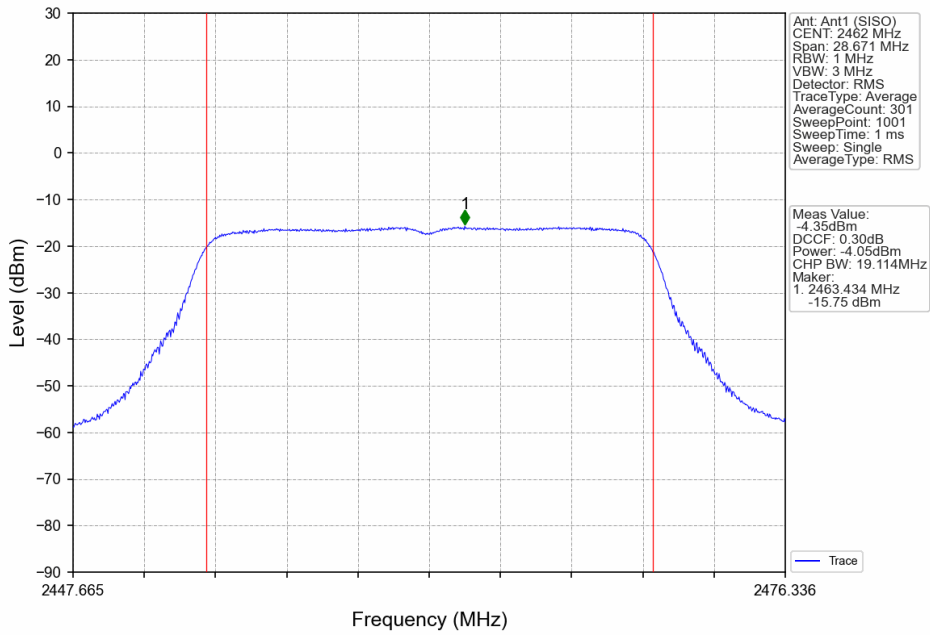
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



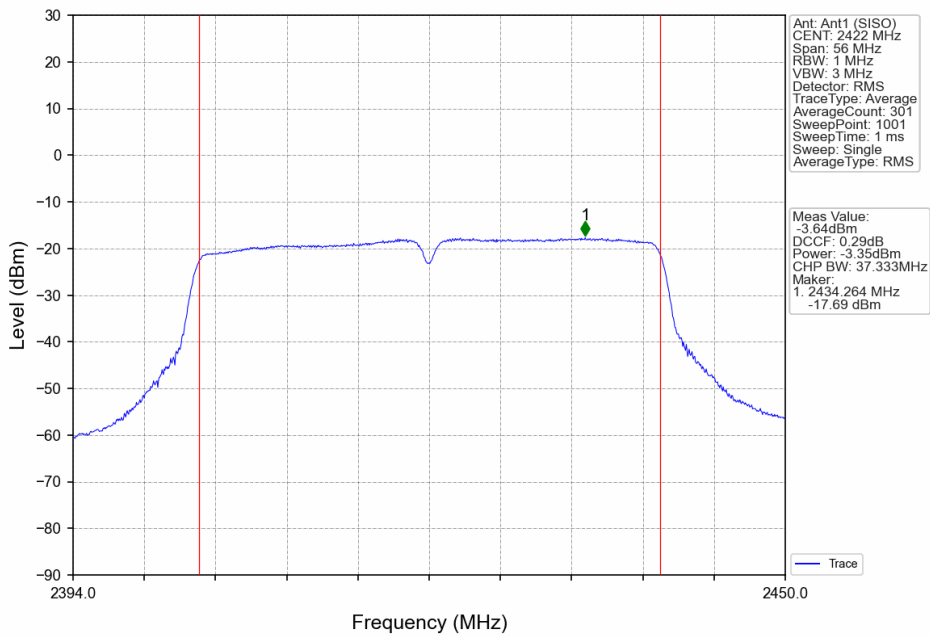
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



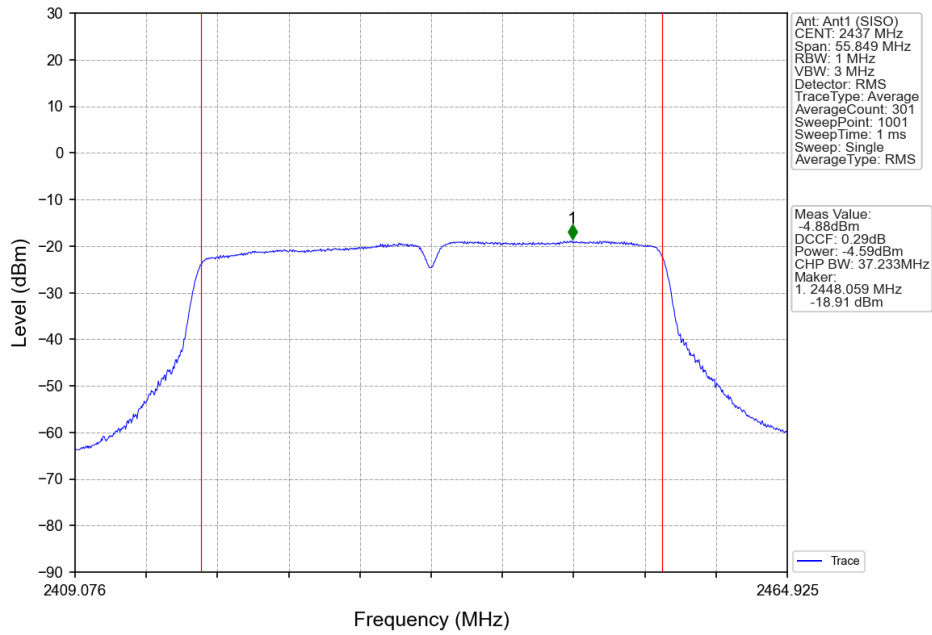
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



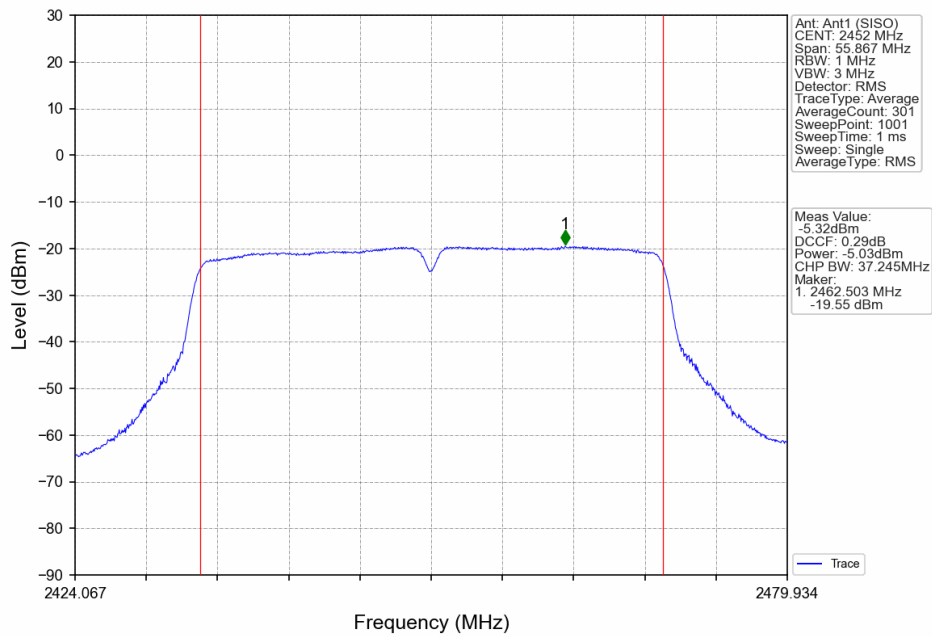
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Power Spectral Density

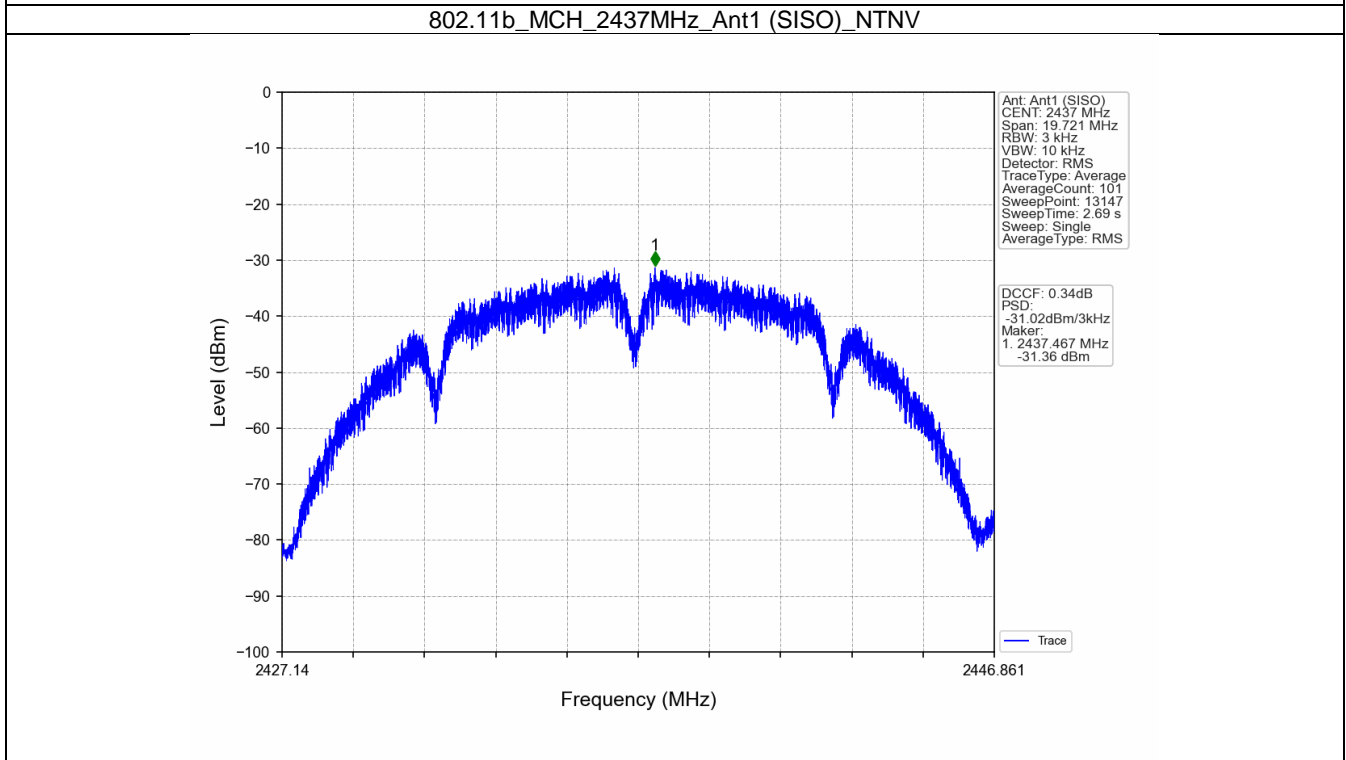
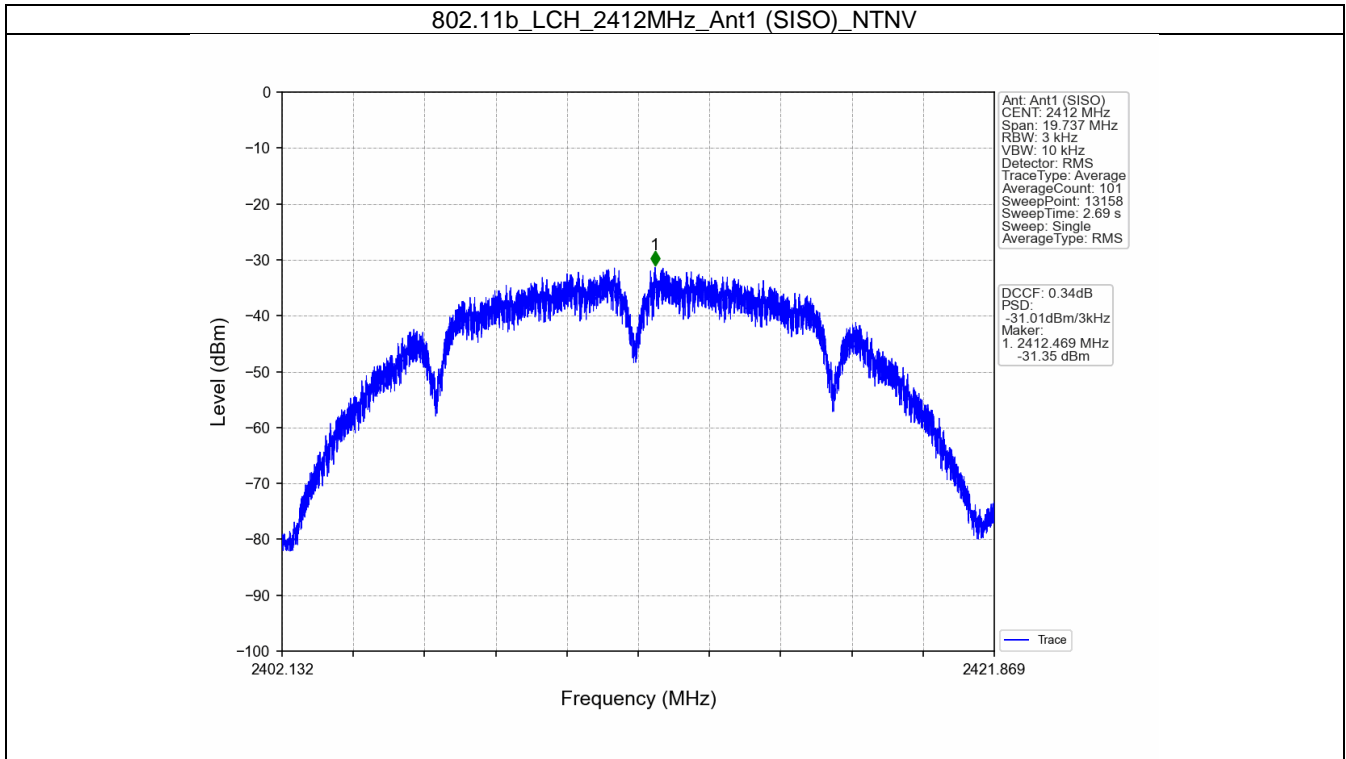
3.1 PSD

3.1.1 Test Result

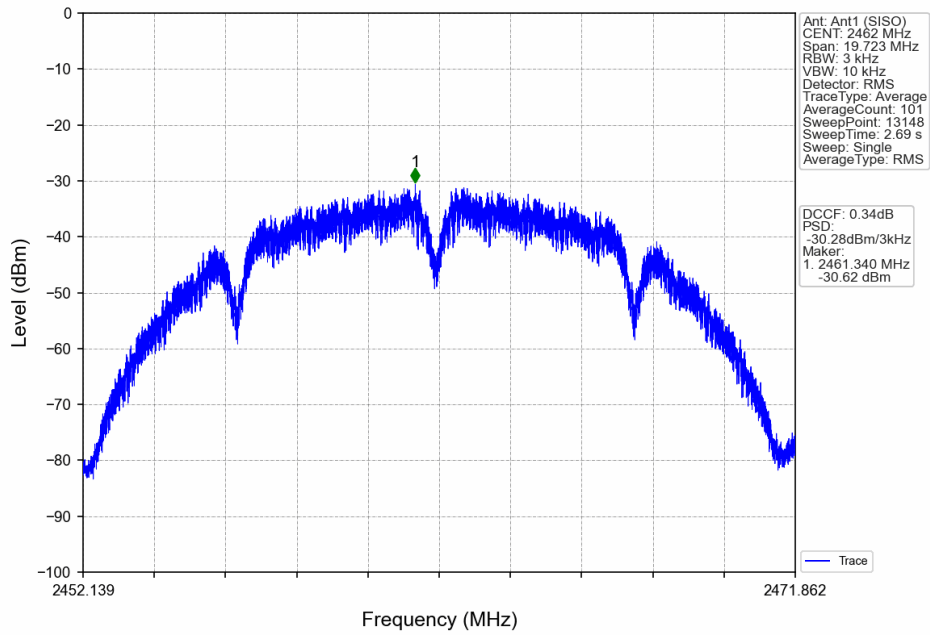
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-31.01	<=8	Pass
		2437	-31.02	<=8	Pass
		2462	-30.28	<=8	Pass
802.11g	SISO	2412	-32.52	<=8	Pass
		2437	-32.79	<=8	Pass
		2462	-32.68	<=8	Pass
802.11n (HT20)	SISO	2412	-33.19	<=8	Pass
		2437	-33.65	<=8	Pass
		2462	-33.22	<=8	Pass
802.11n (HT40)	SISO	2422	-35.13	<=8	Pass
		2437	-35.24	<=8	Pass
		2452	-36.45	<=8	Pass

Note1: Antenna Gain: Ant1: 2.23dBi;

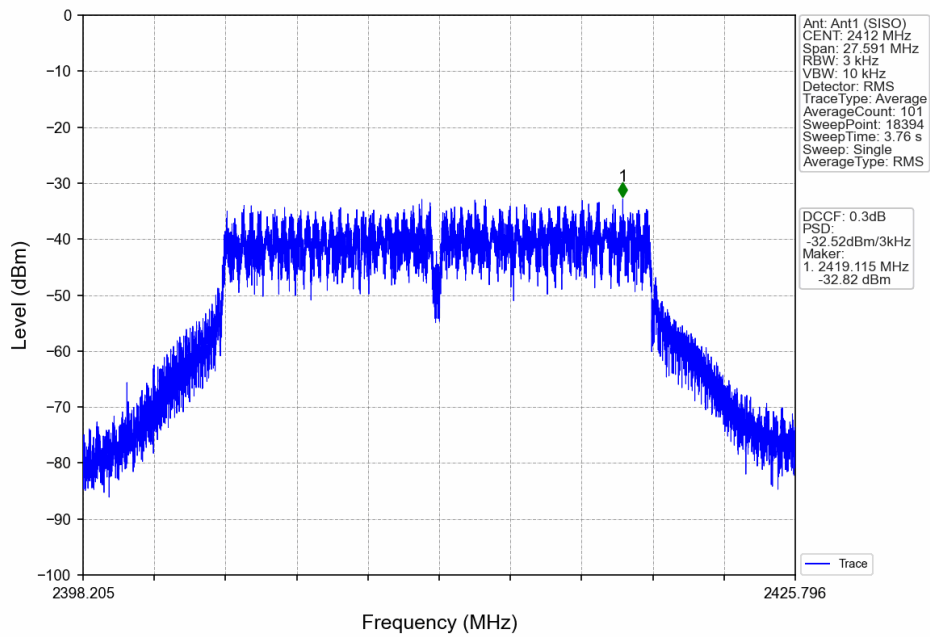
3.1.2 Test Graph

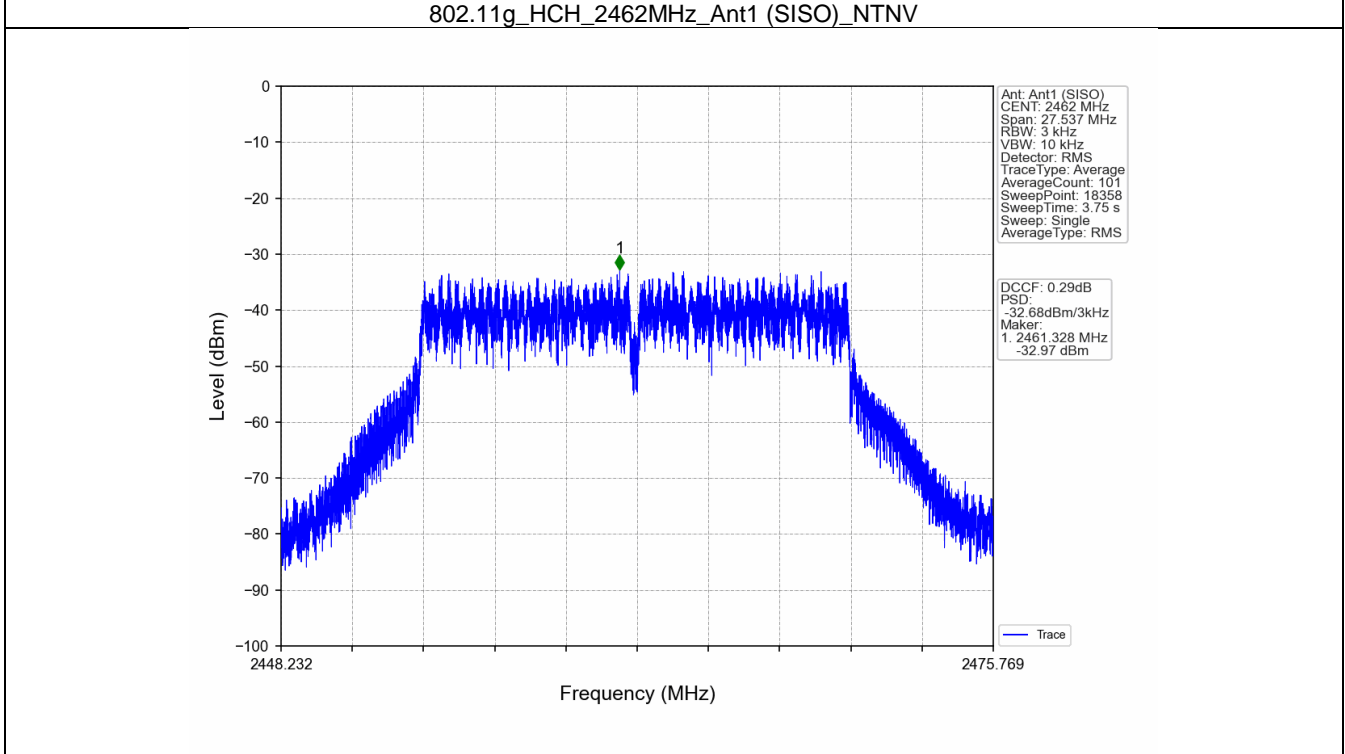
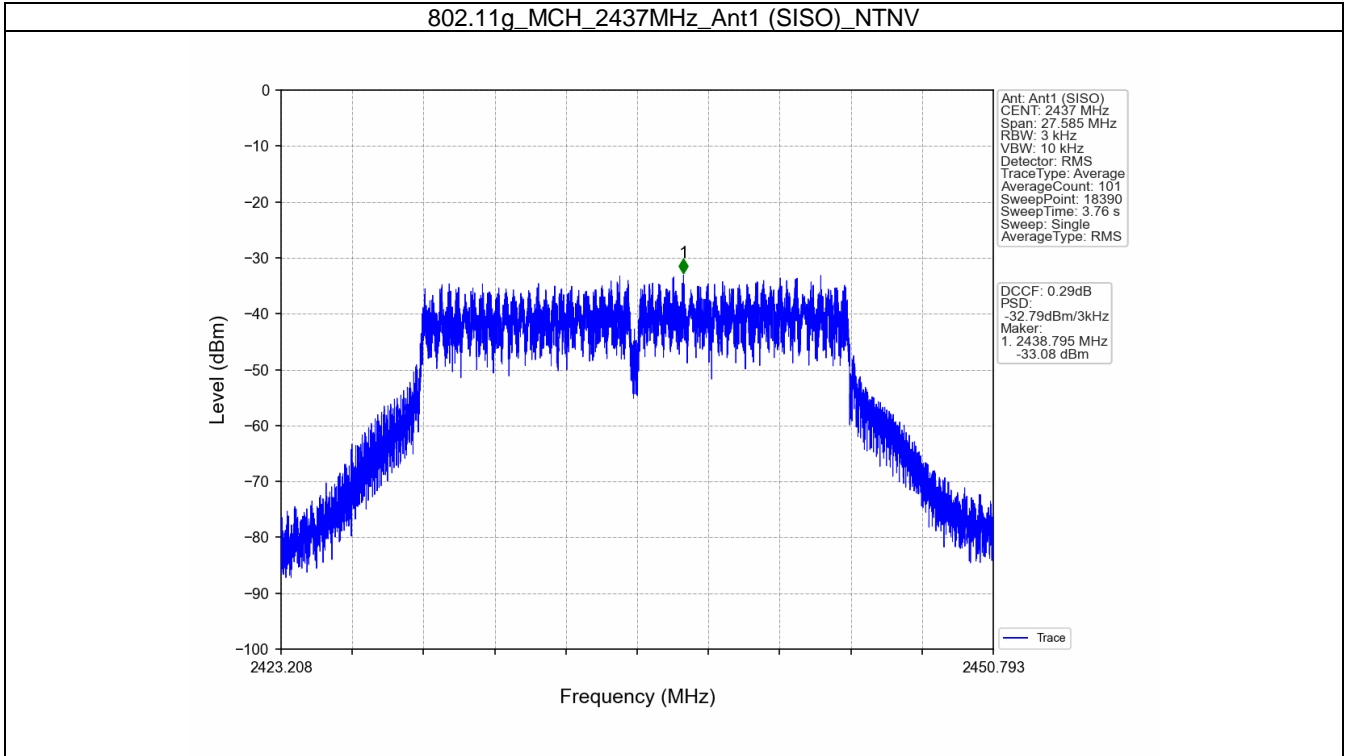


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

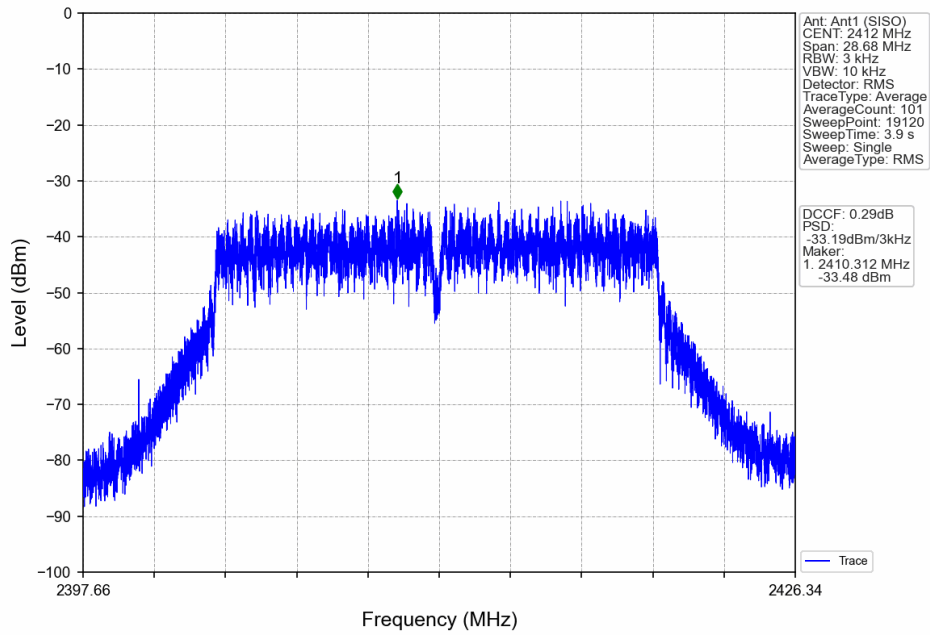


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

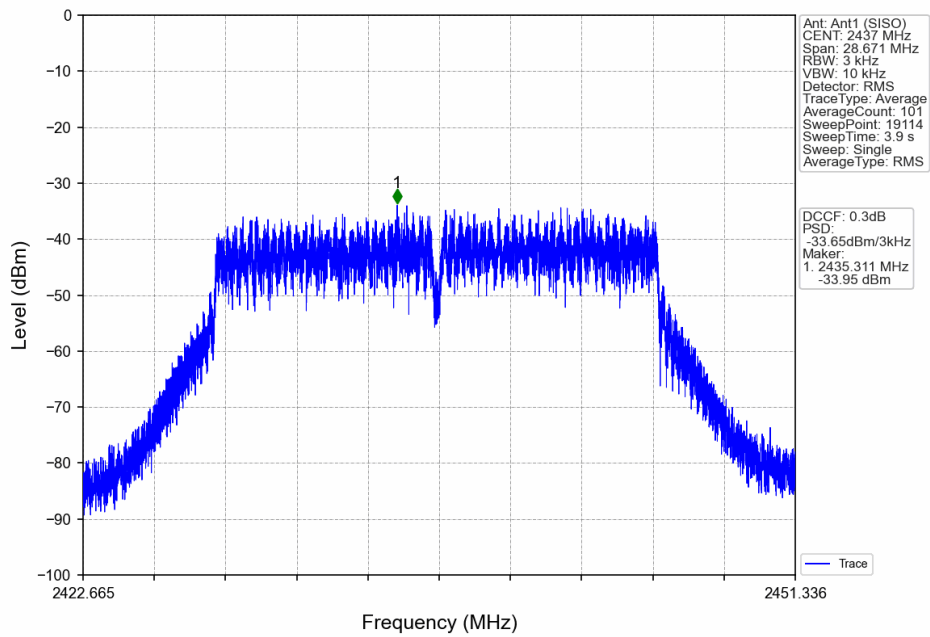




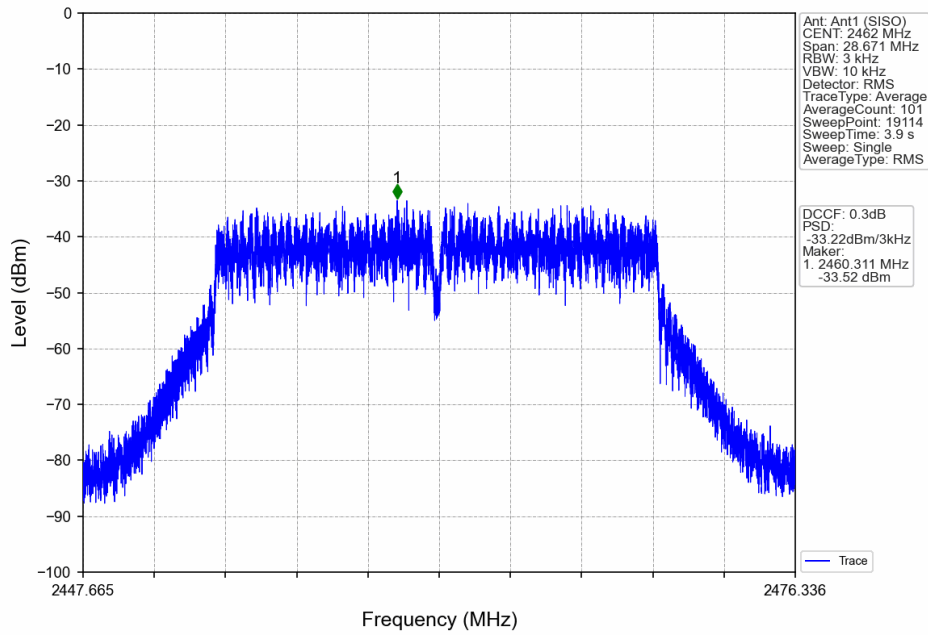
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



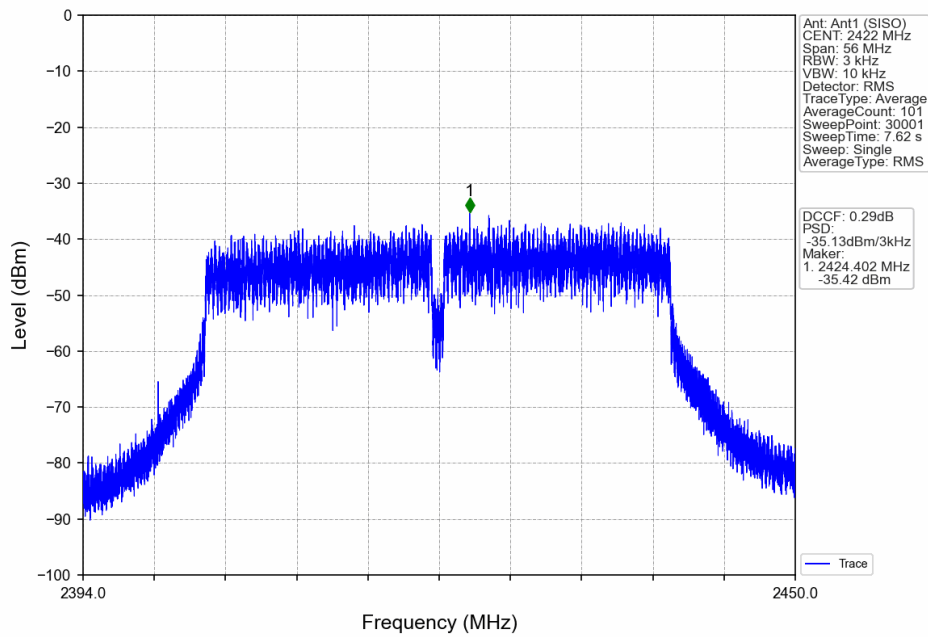
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



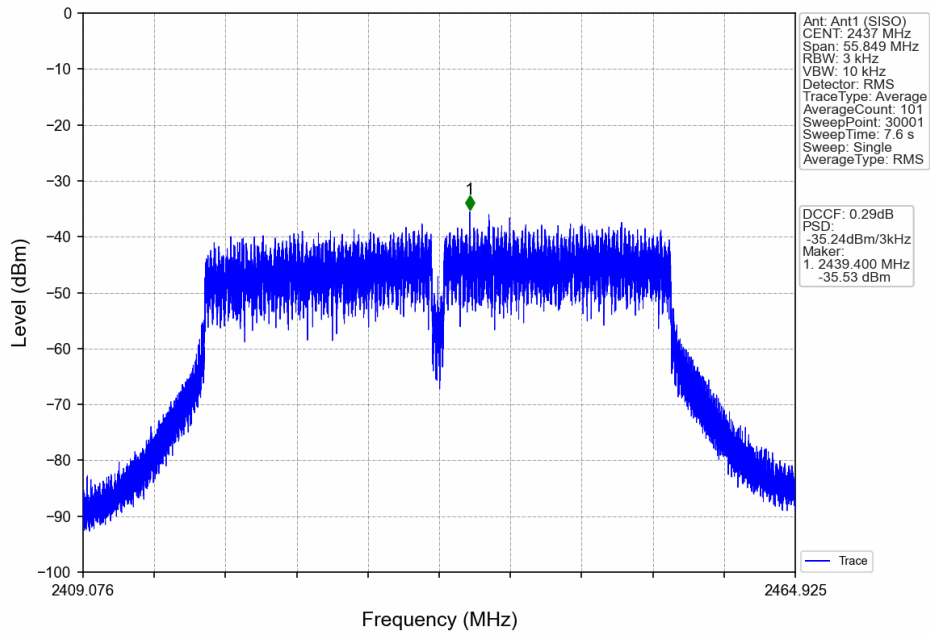
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



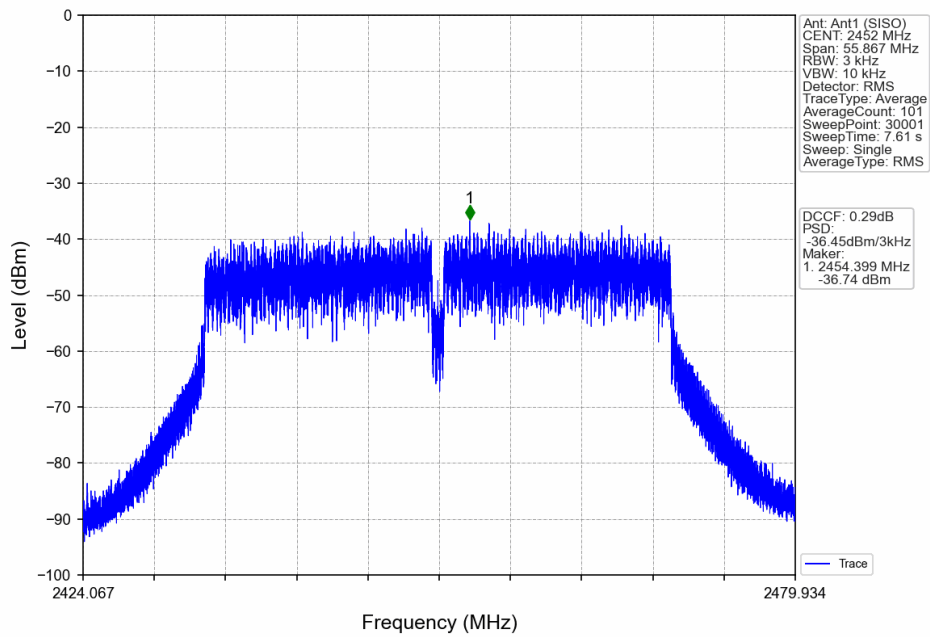
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

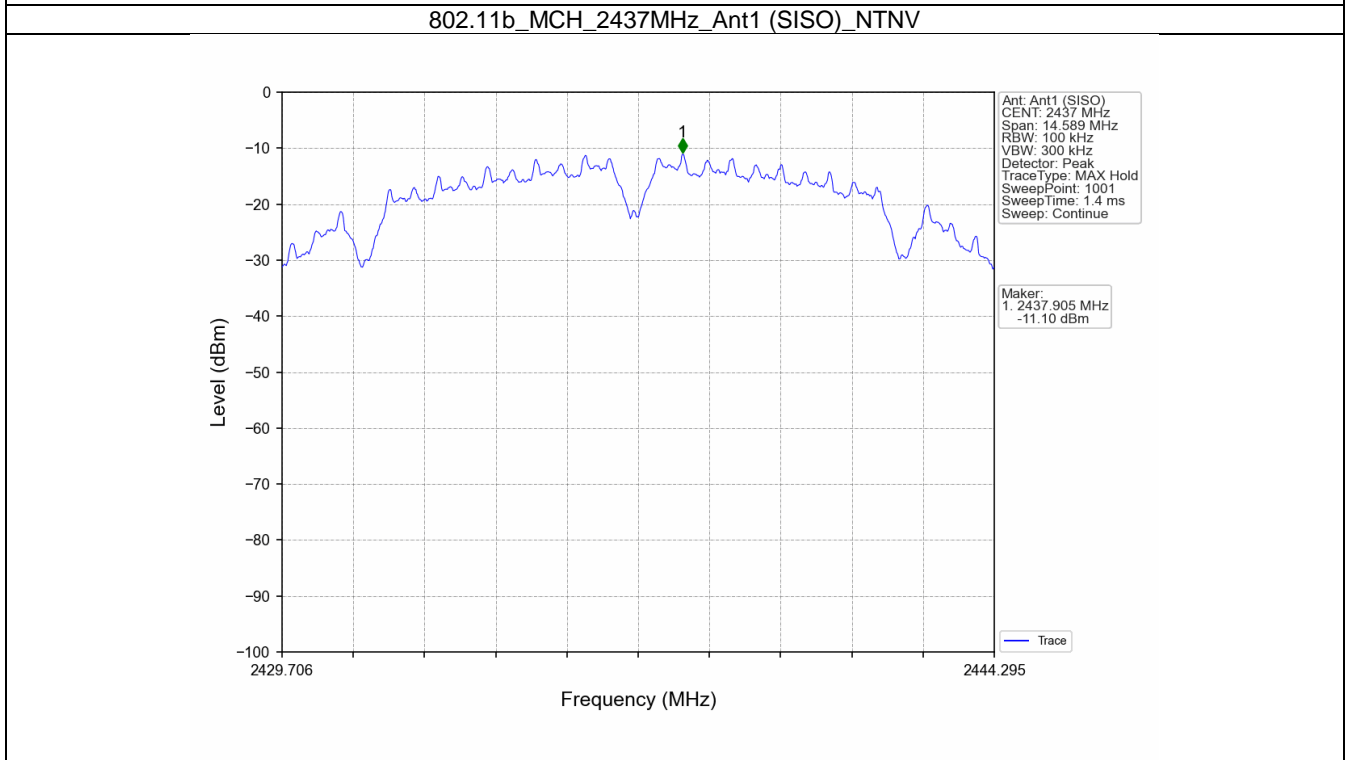
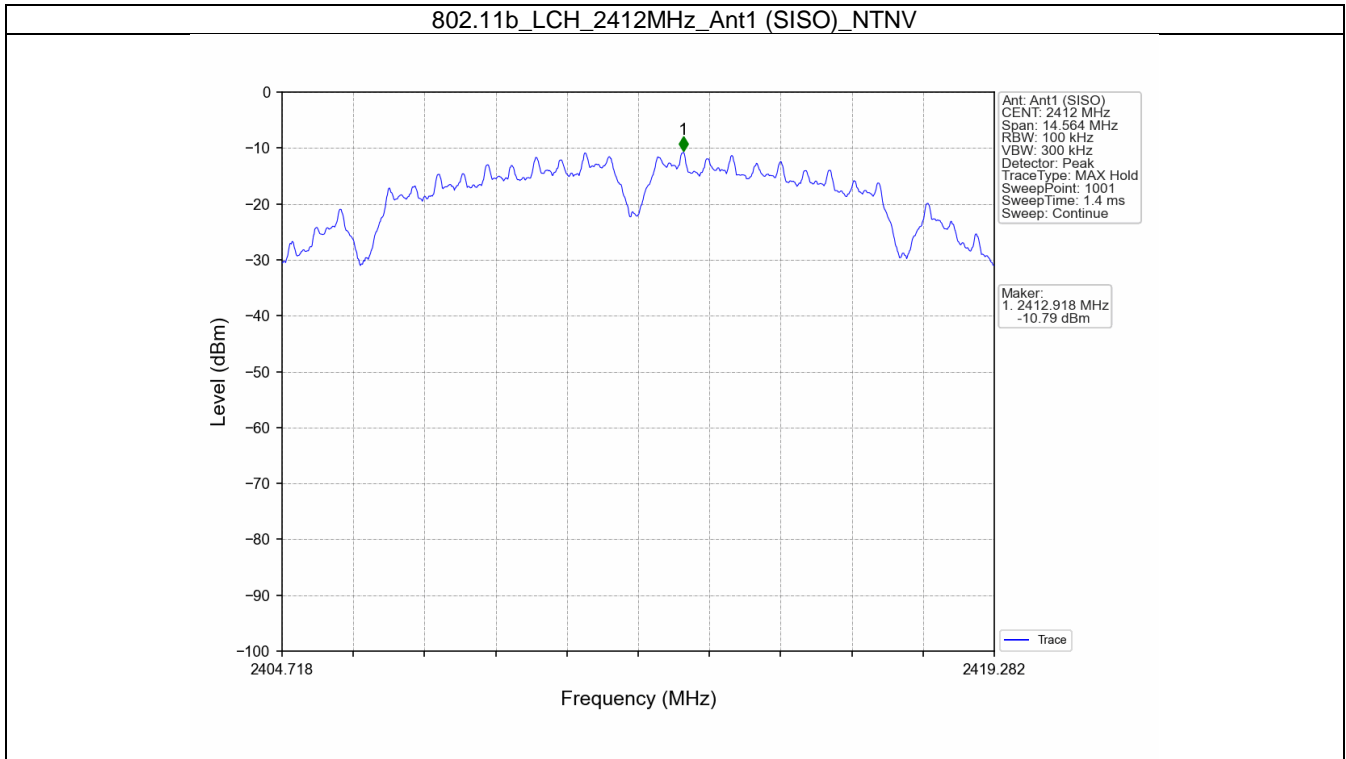
4.1 Ref

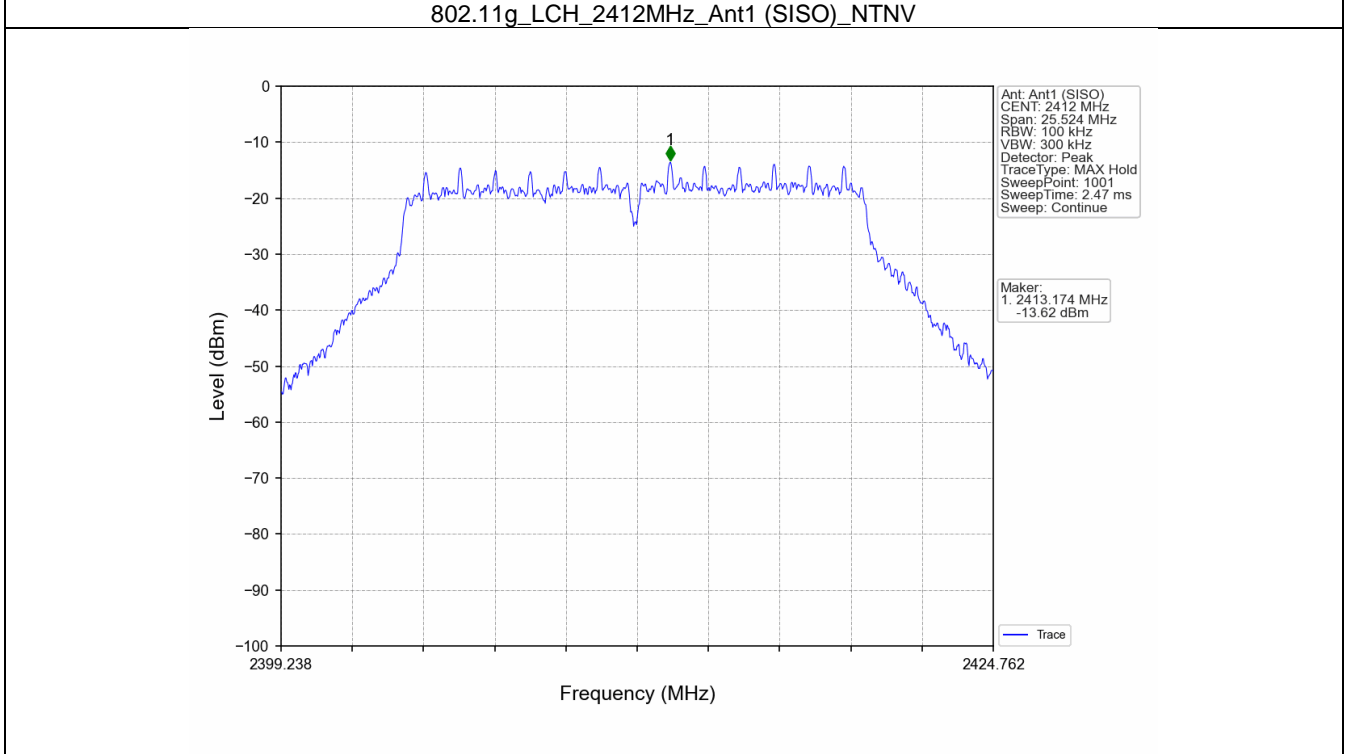
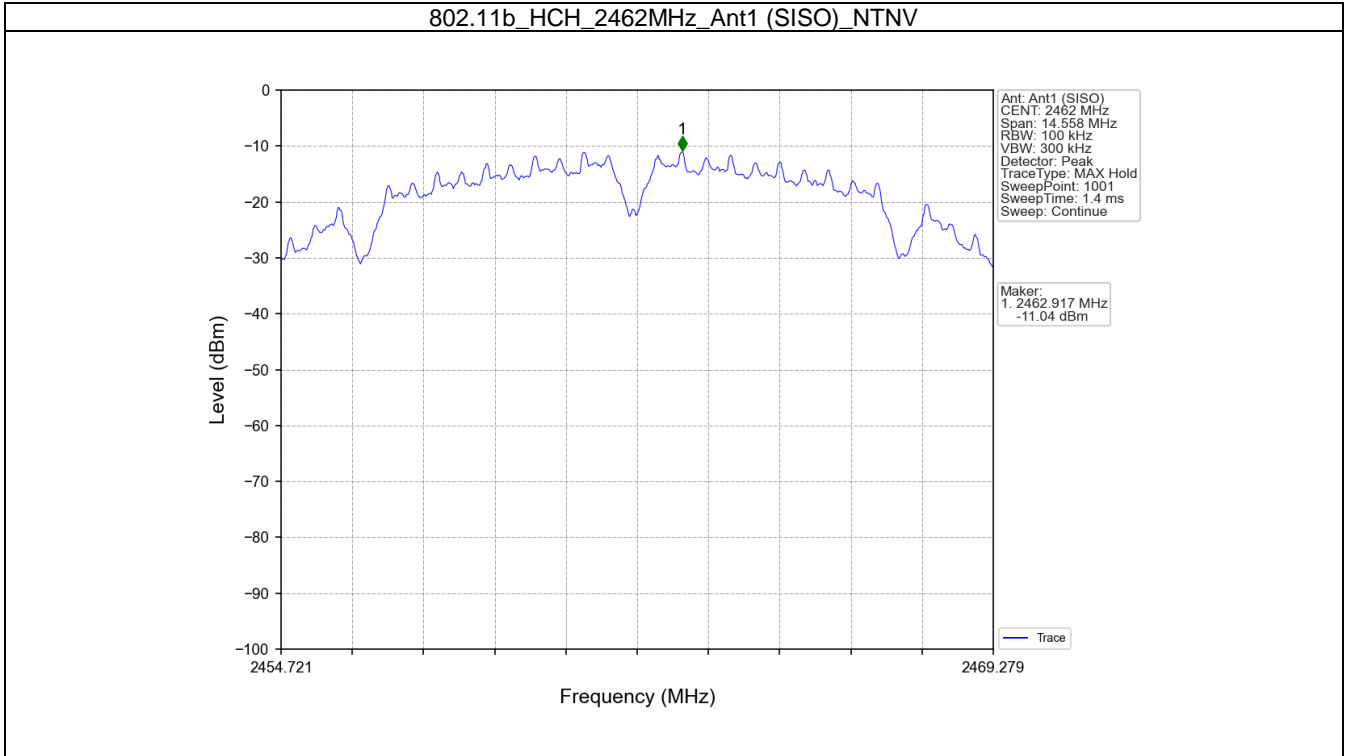
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-10.79
		2437	1	-11.10
		2462	1	-11.04
802.11g	SISO	2412	1	-13.62
		2437	1	-14.07
		2462	1	-14.19
802.11n (HT20)	SISO	2412	1	-14.61
		2437	1	-14.98
		2462	1	-14.93
802.11n (HT40)	SISO	2422	1	-16.65
		2437	1	-17.86
		2452	1	-18.69

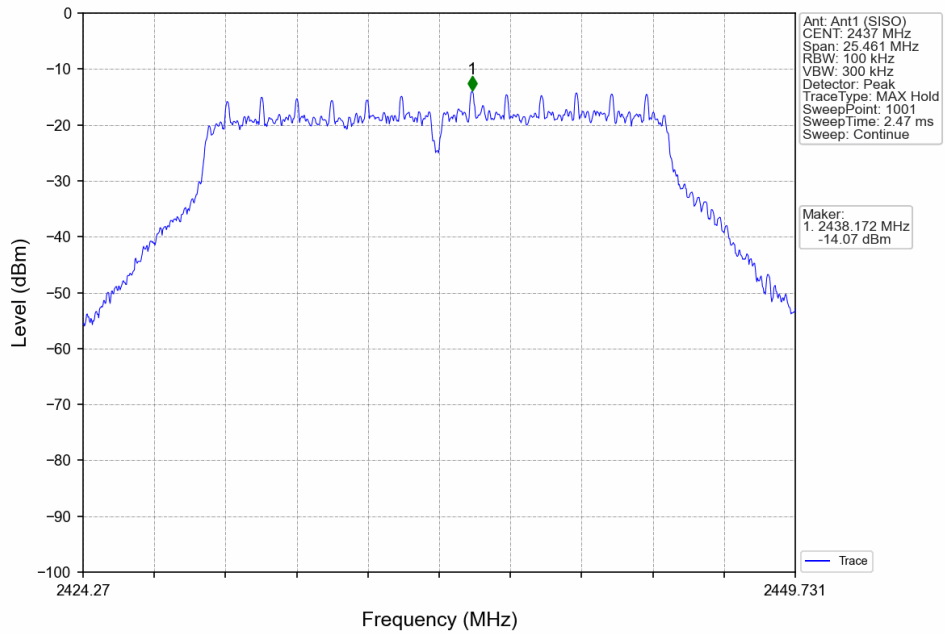
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

4.1.2 Test Graph

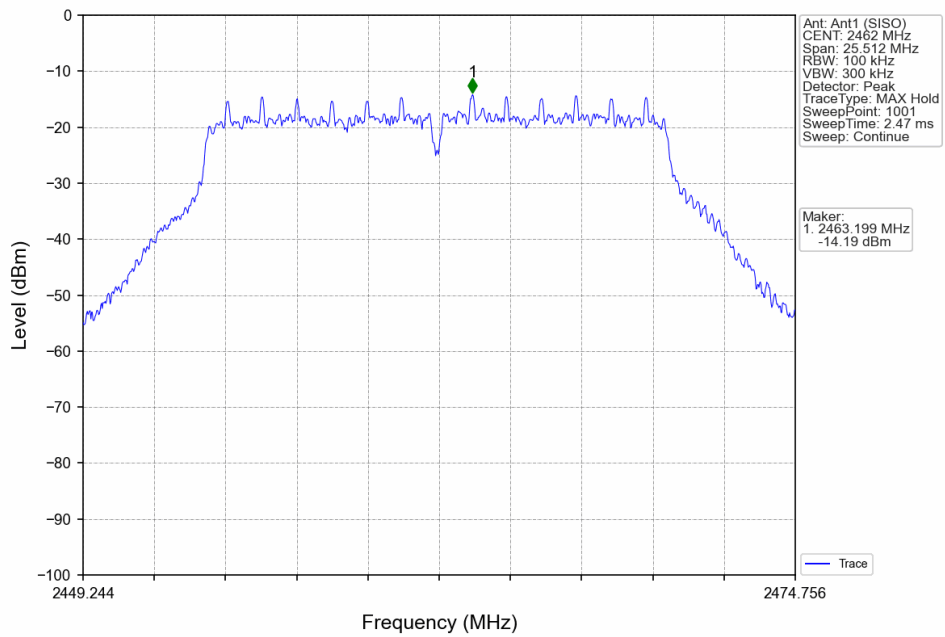


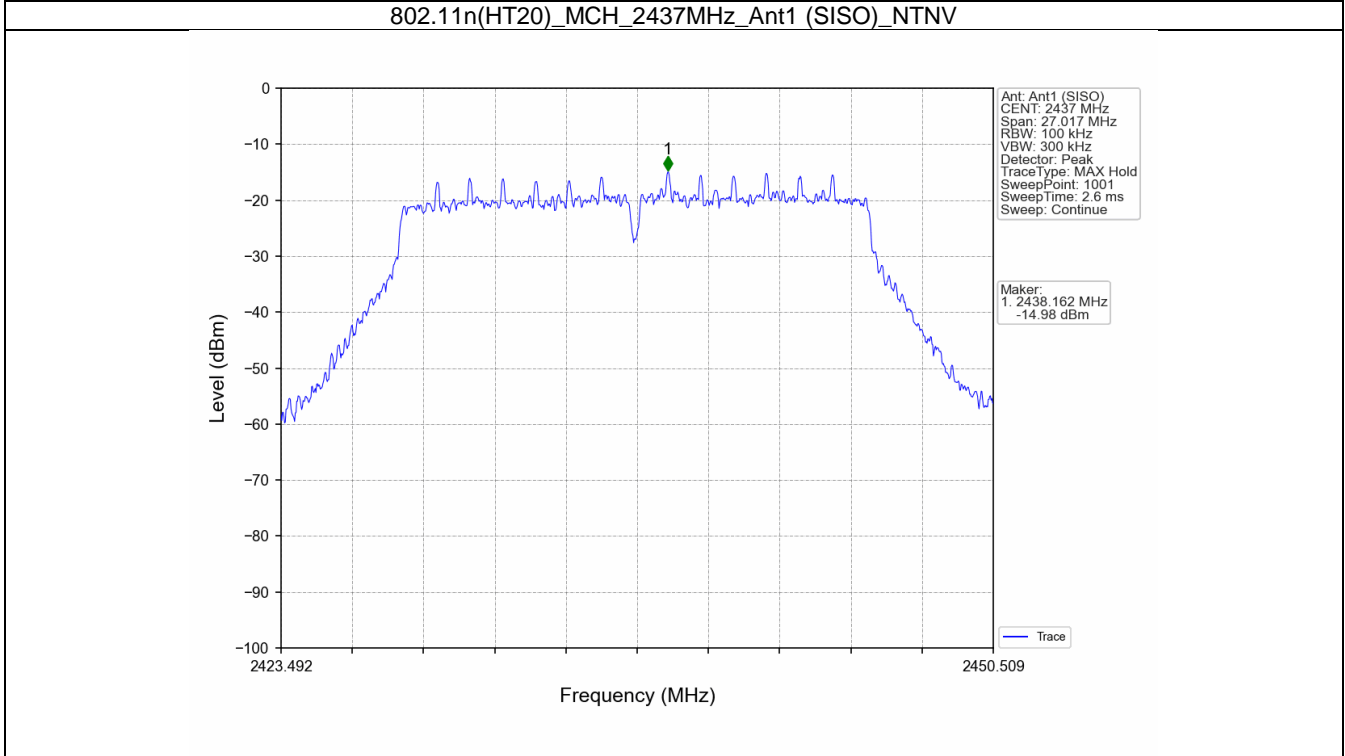
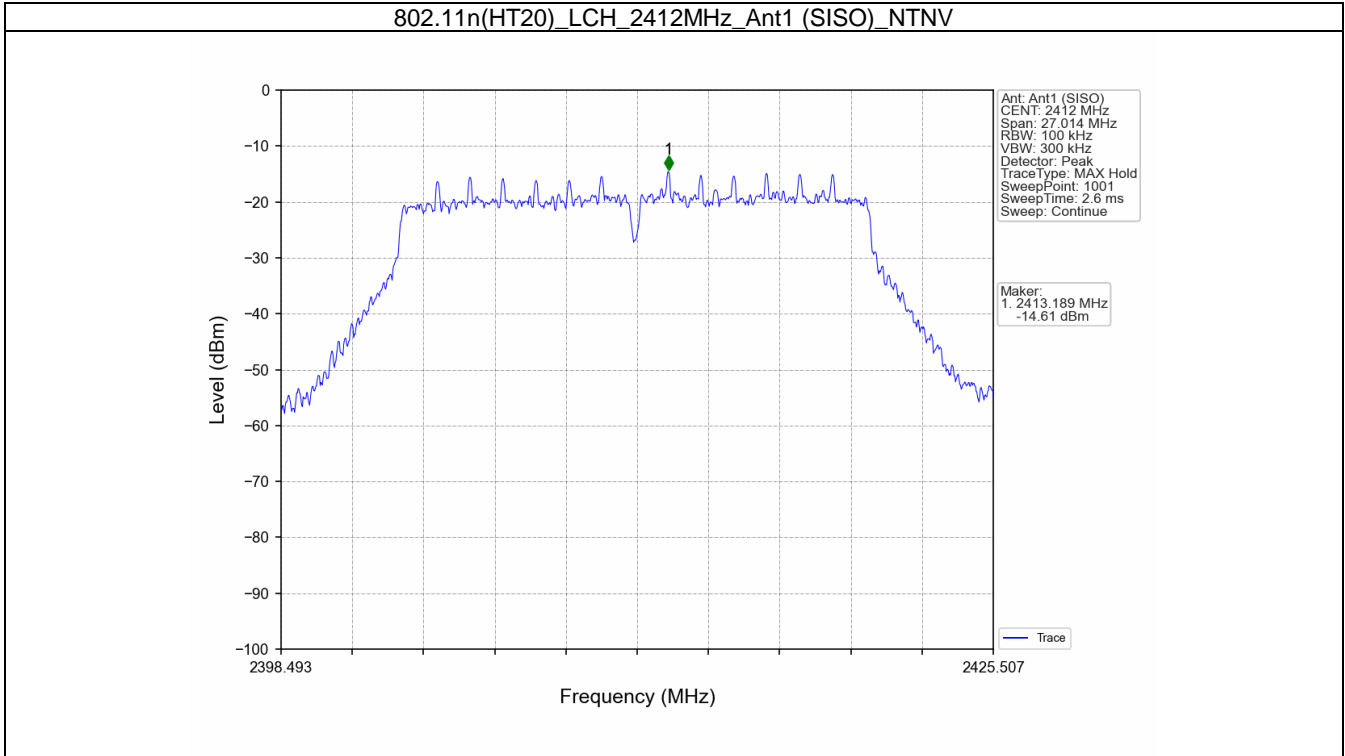


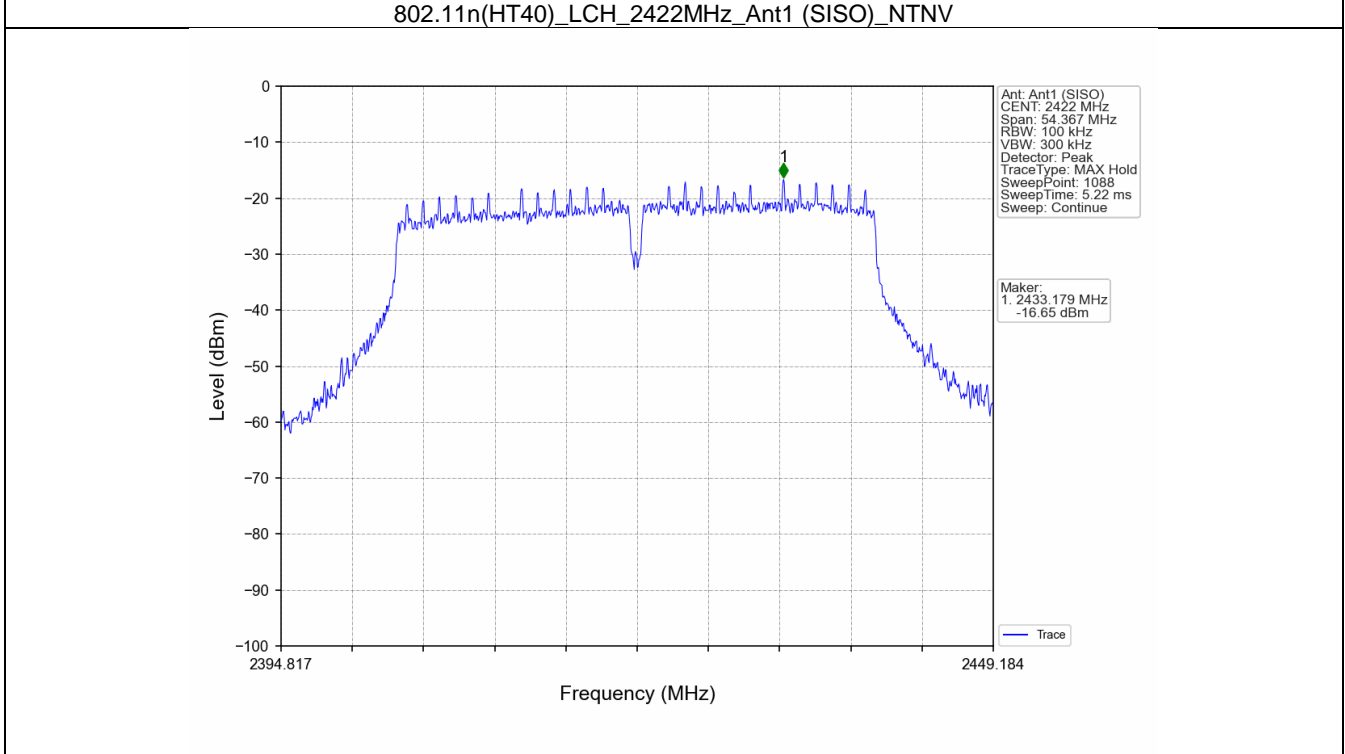
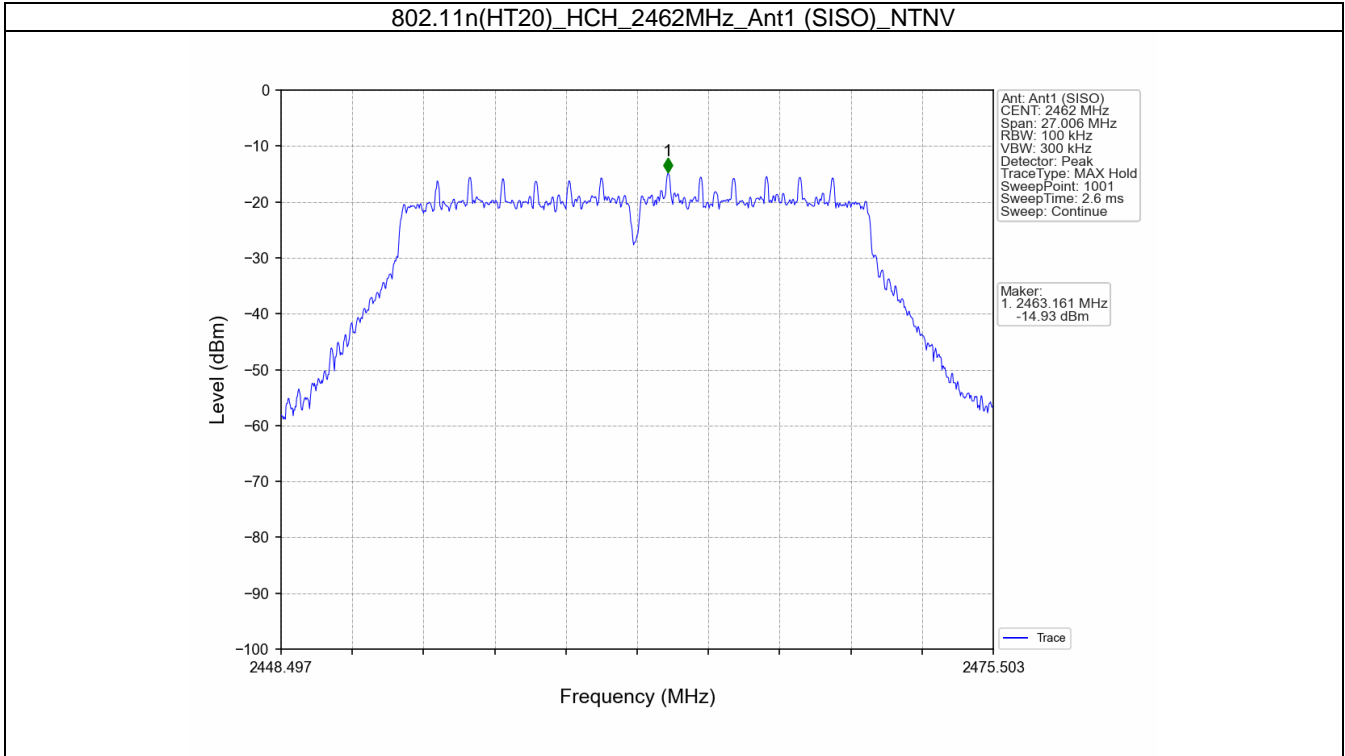
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



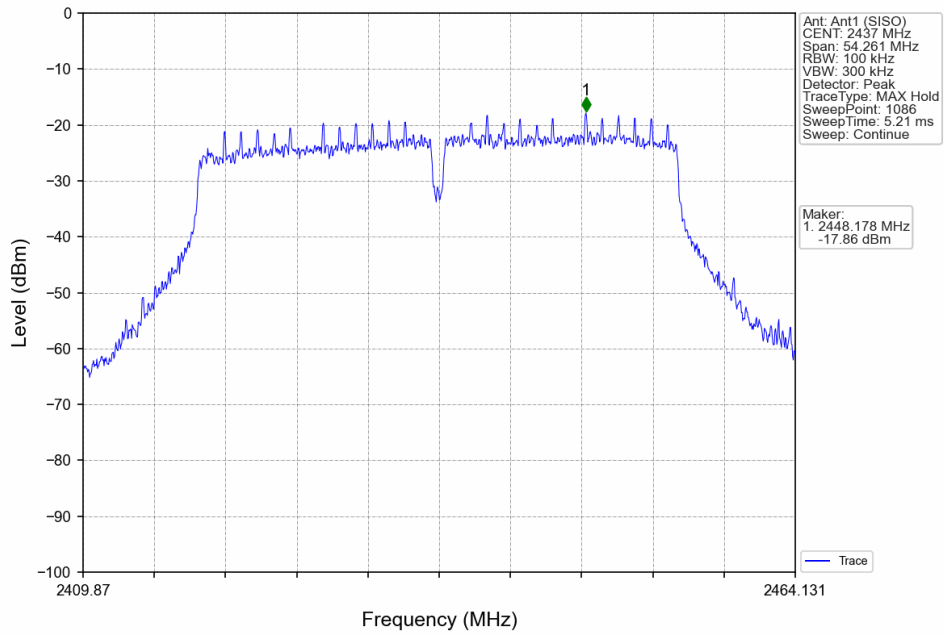
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



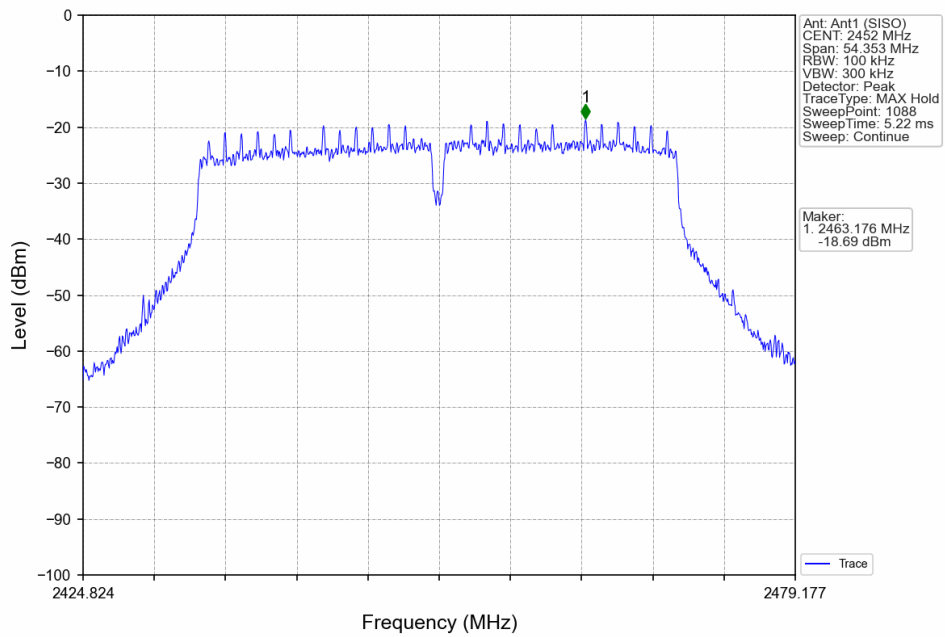




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



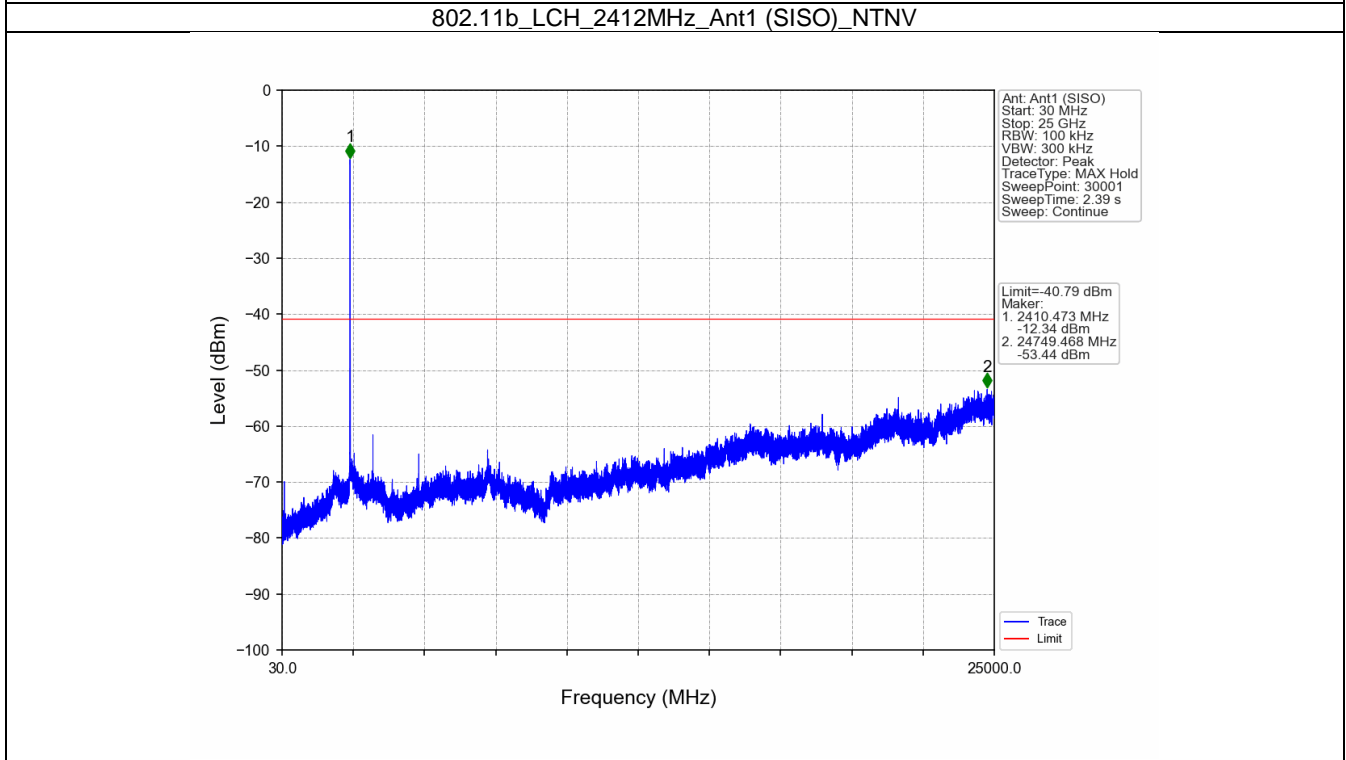
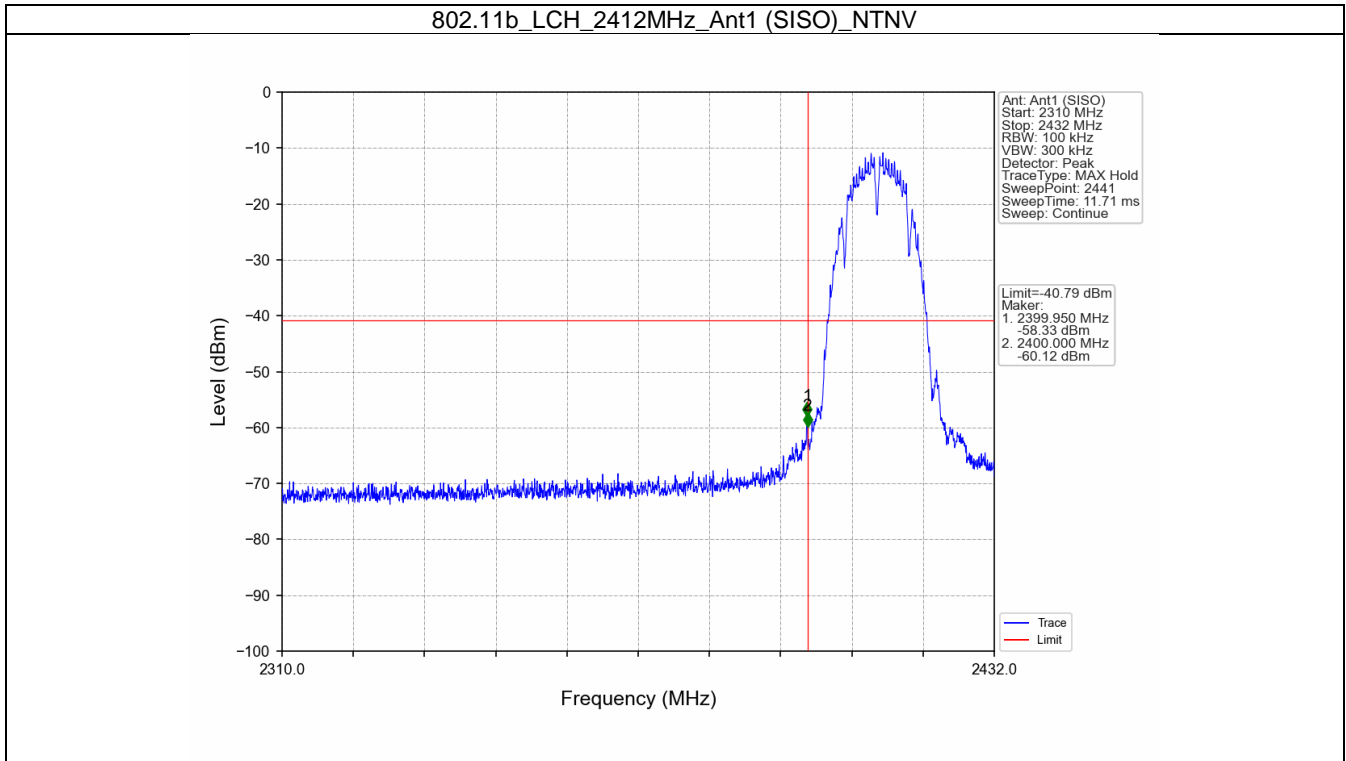
4.2 CSE

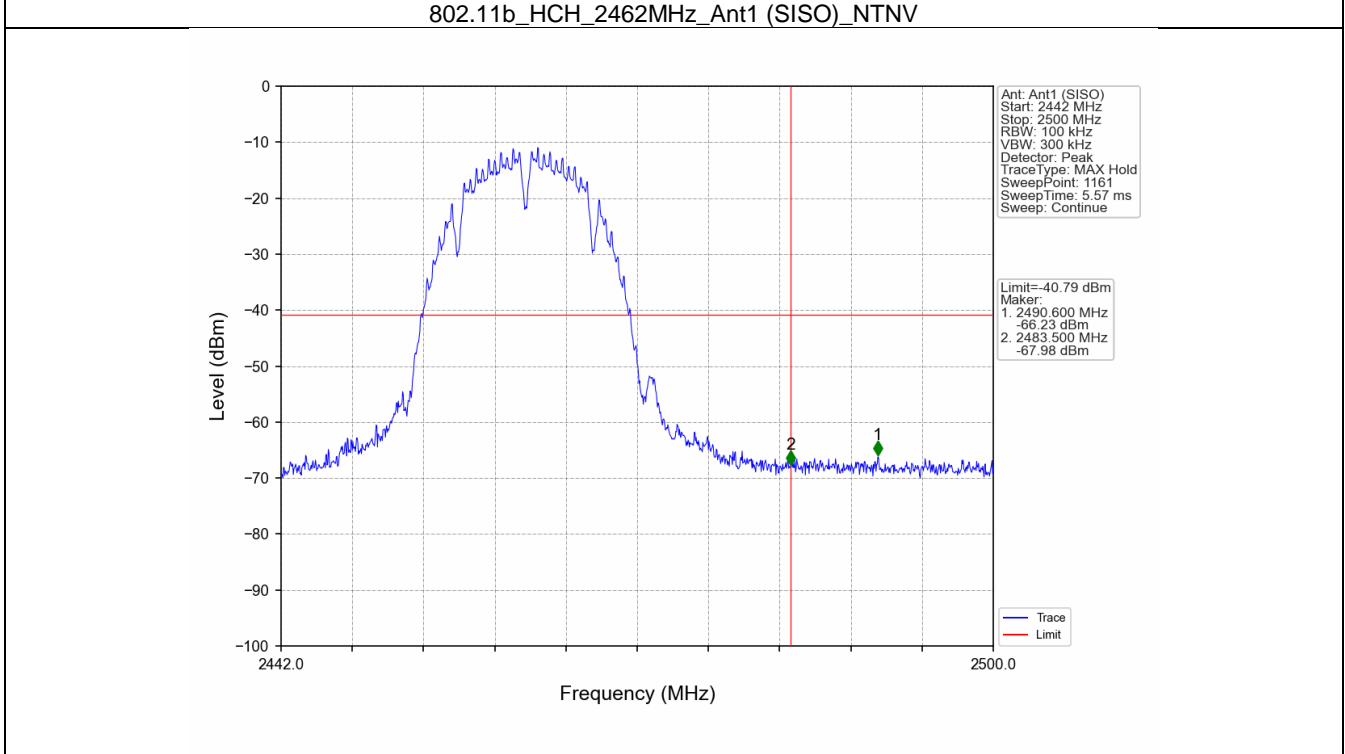
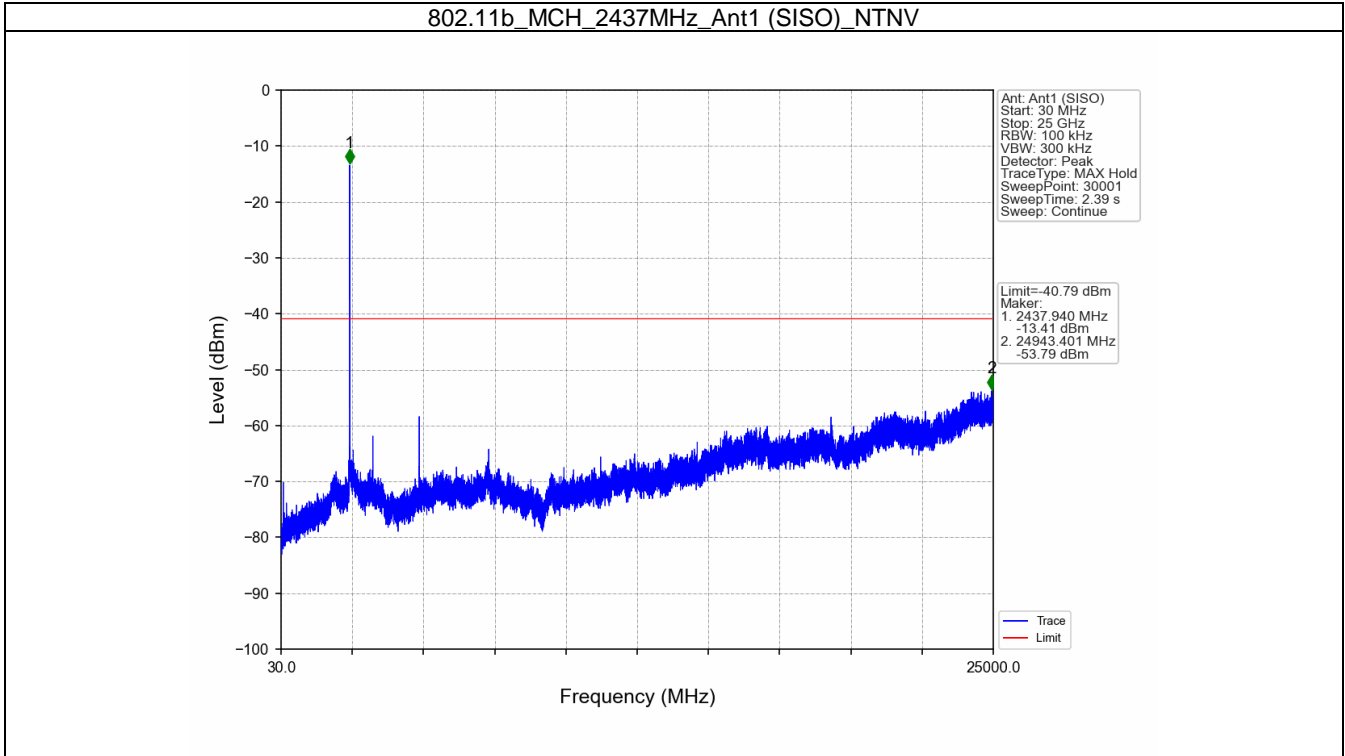
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-10.79	-40.79	Pass
		2437	1	-10.79	-40.79	Pass
		2462	1	-10.79	-40.79	Pass
802.11g	SISO	2412	1	-13.62	-43.62	Pass
		2437	1	-13.62	-43.62	Pass
		2462	1	-13.62	-43.62	Pass
802.11n (HT20)	SISO	2412	1	-14.61	-44.61	Pass
		2437	1	-14.61	-44.61	Pass
		2462	1	-14.61	-44.61	Pass
802.11n (HT40)	SISO	2422	1	-16.65	-46.65	Pass
		2437	1	-16.65	-46.65	Pass
		2452	1	-16.65	-46.65	Pass

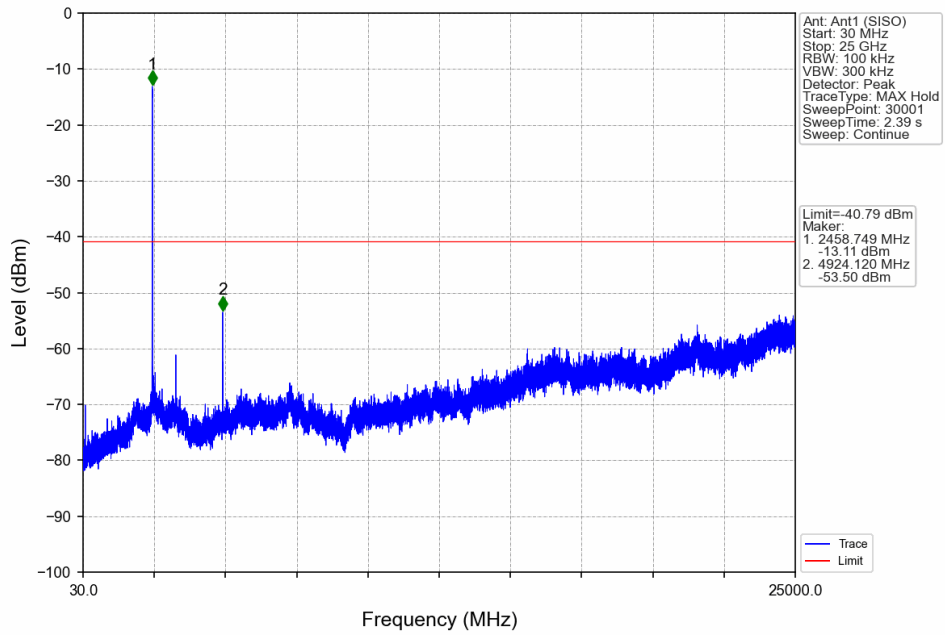
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

4.2.2 Test Graph

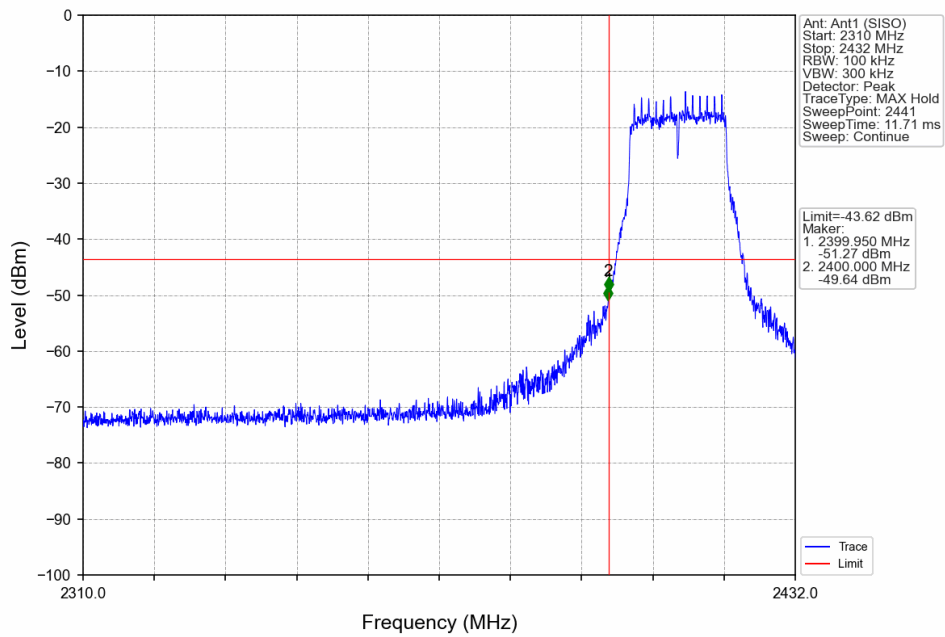




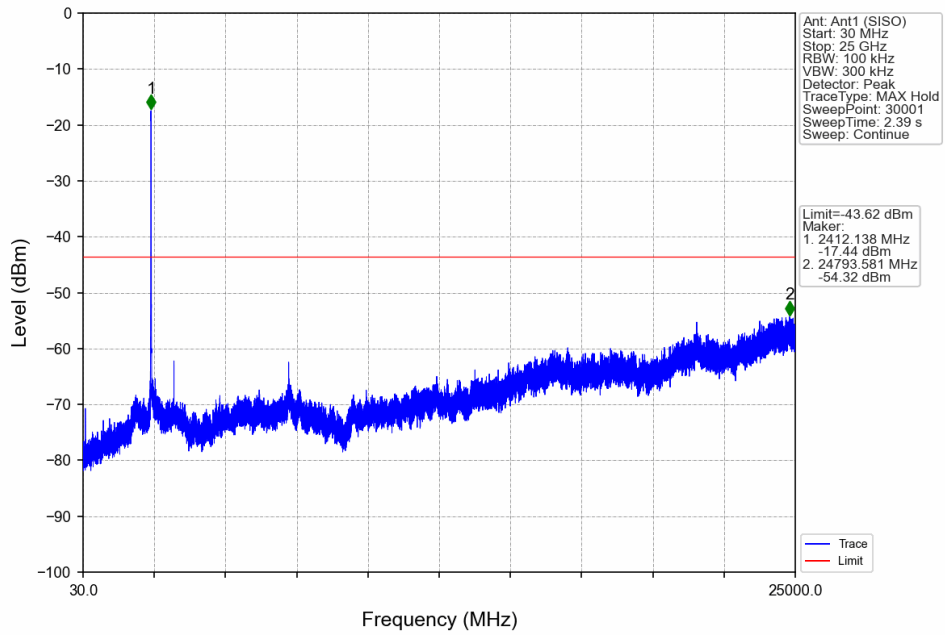
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



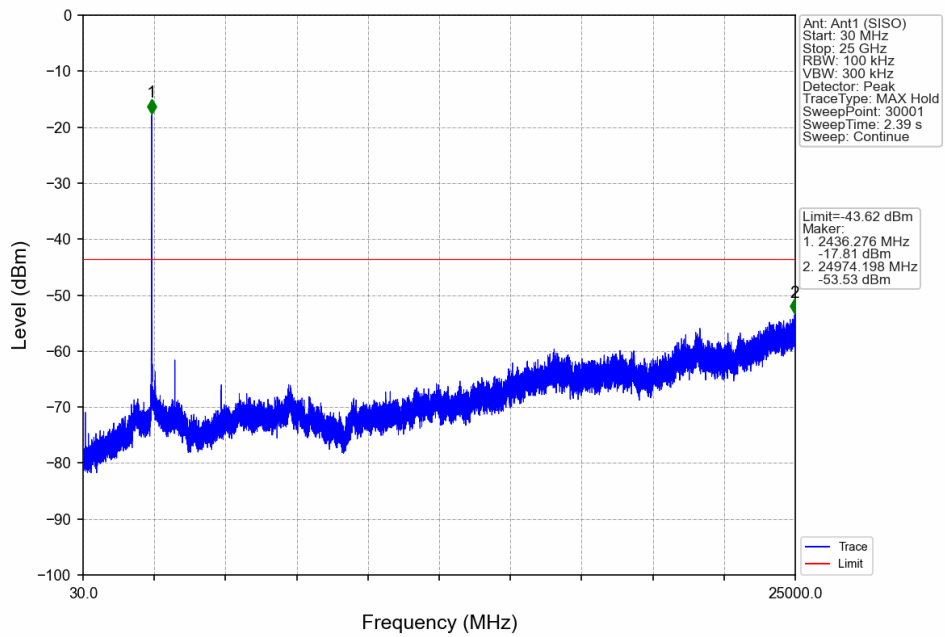
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



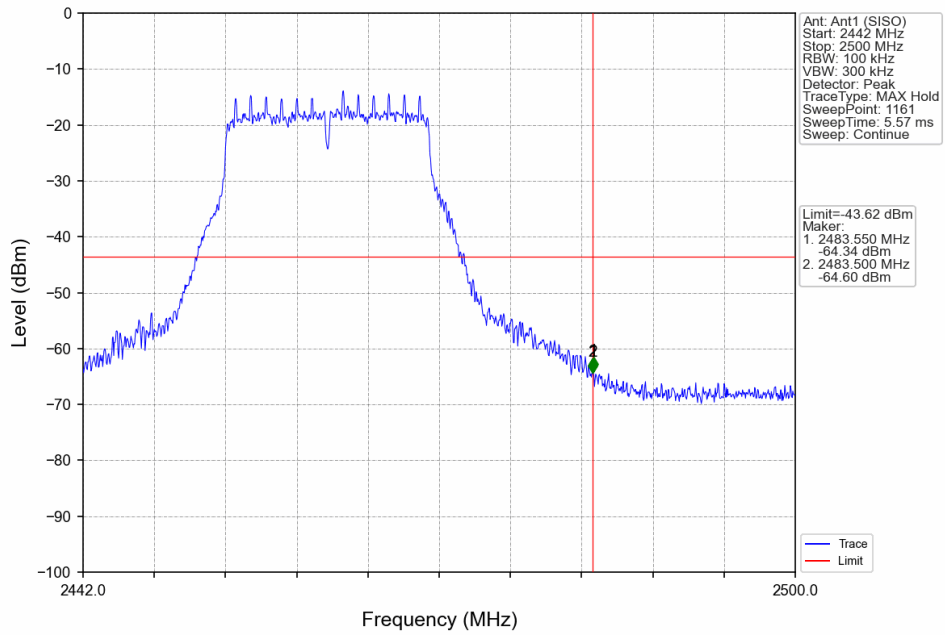
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



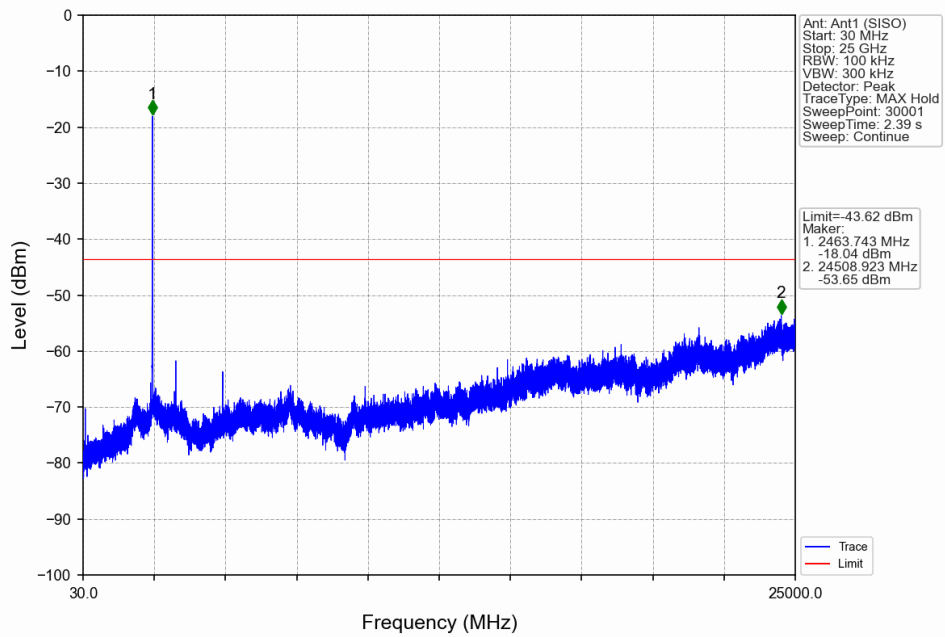
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



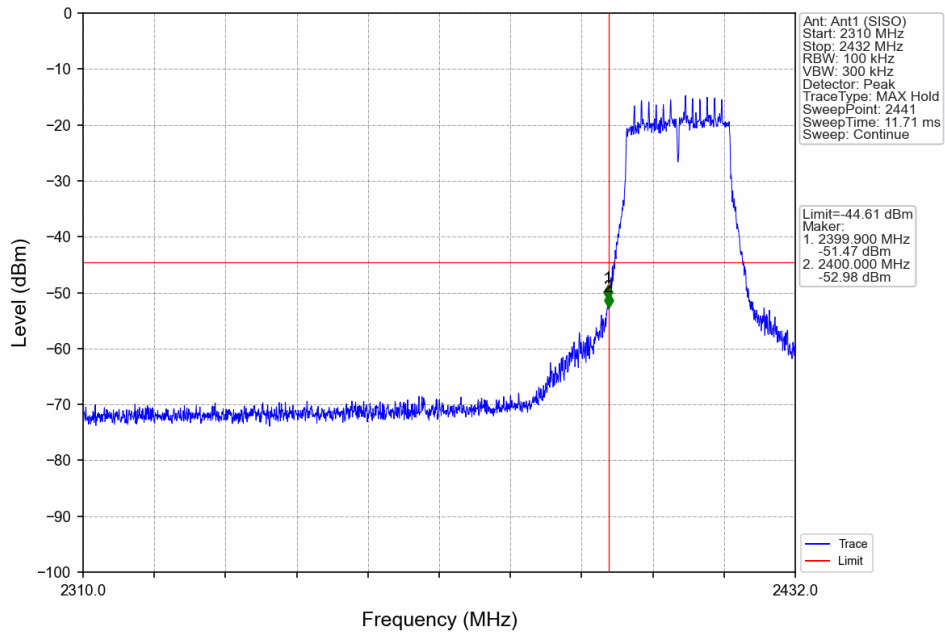
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



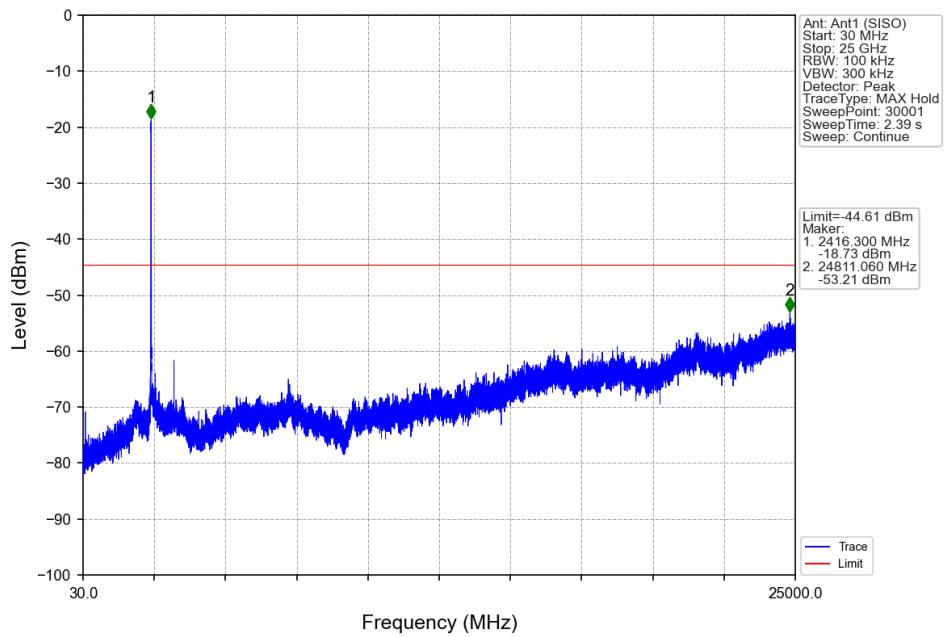
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



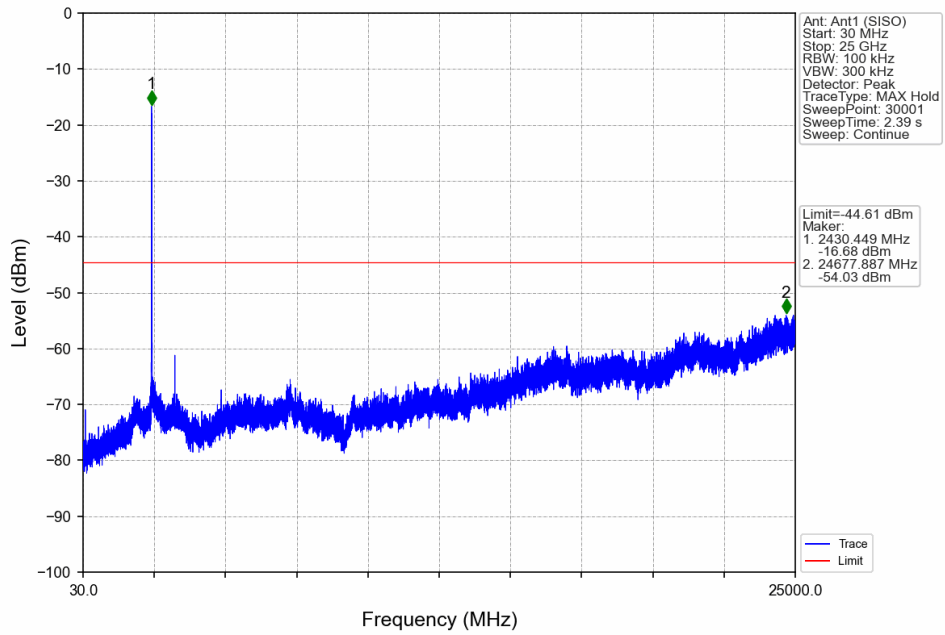
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



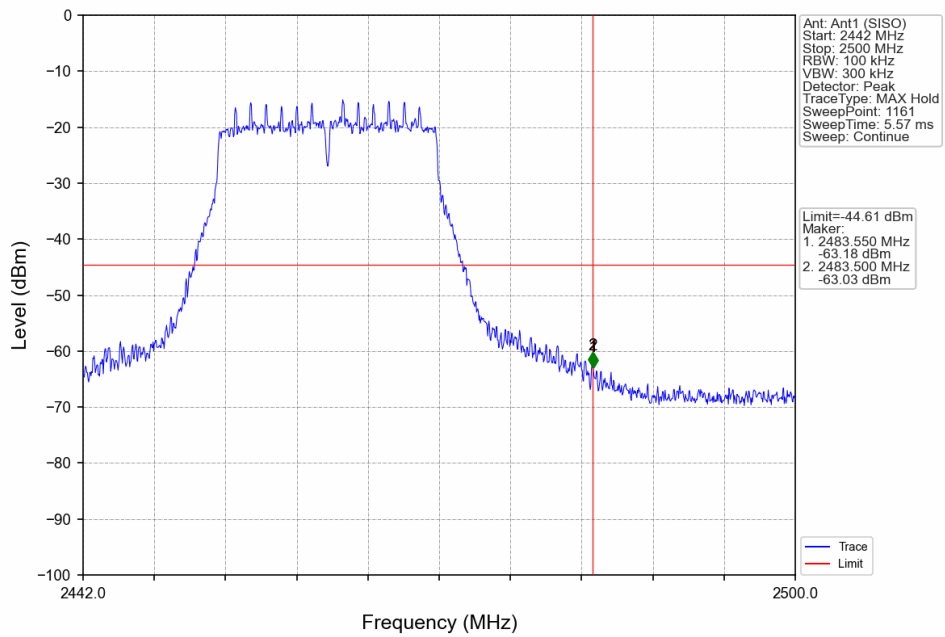
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



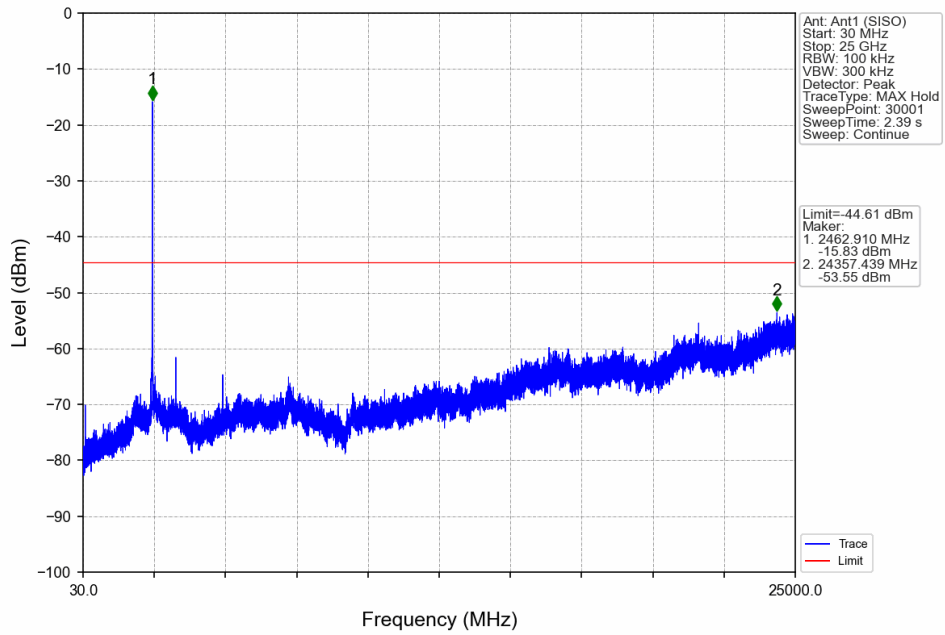
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



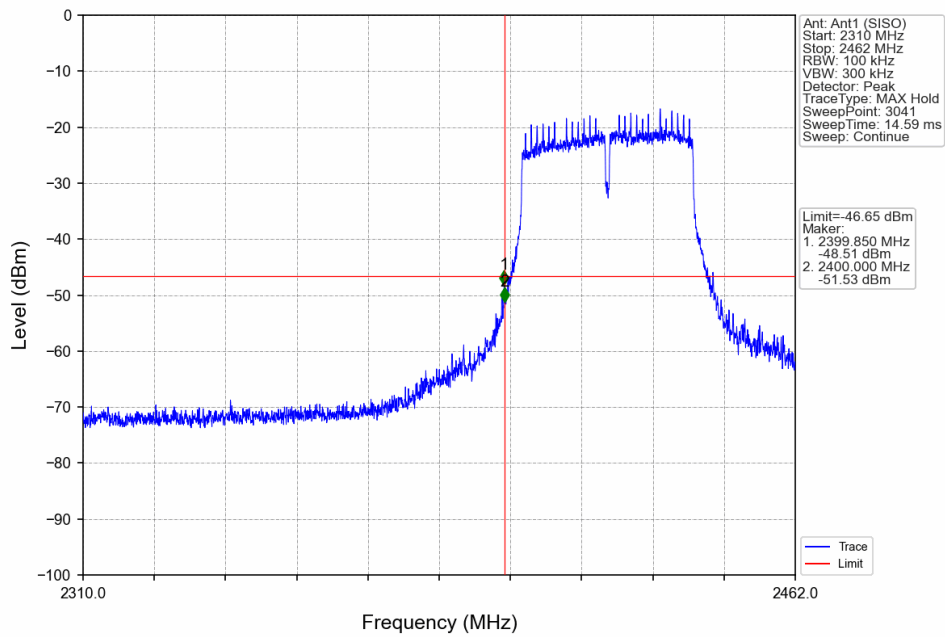
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



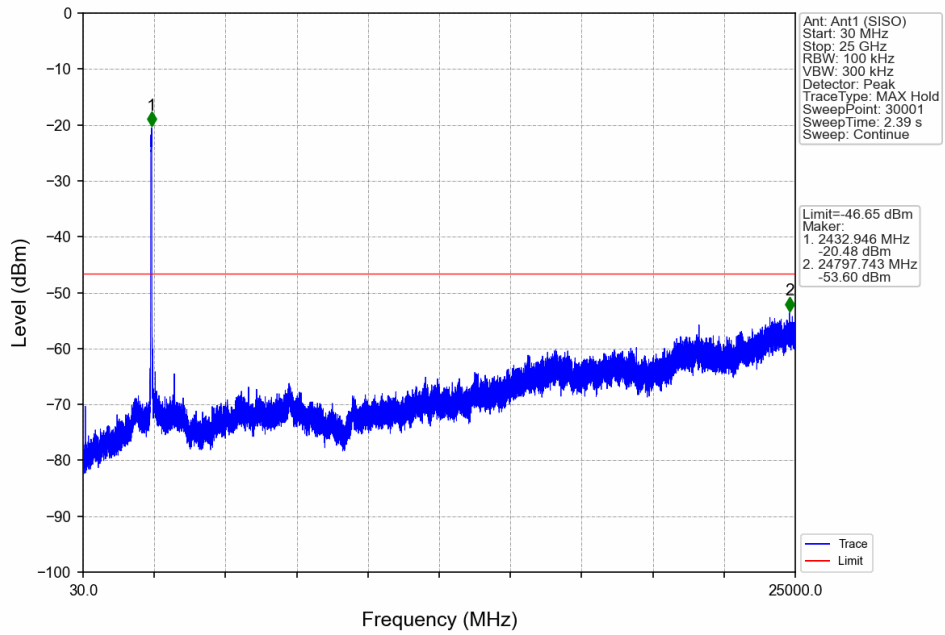
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



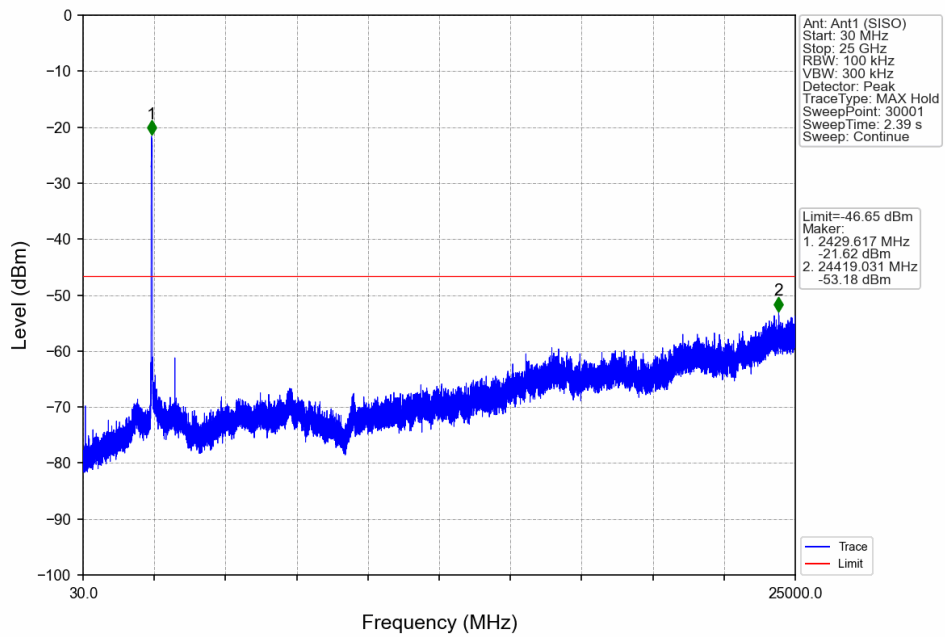
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



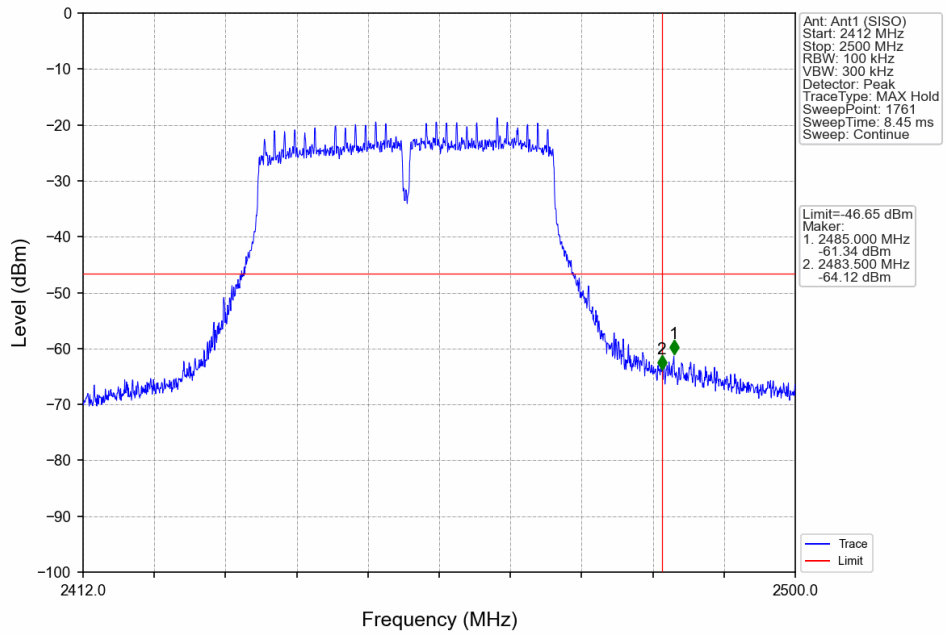
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

