

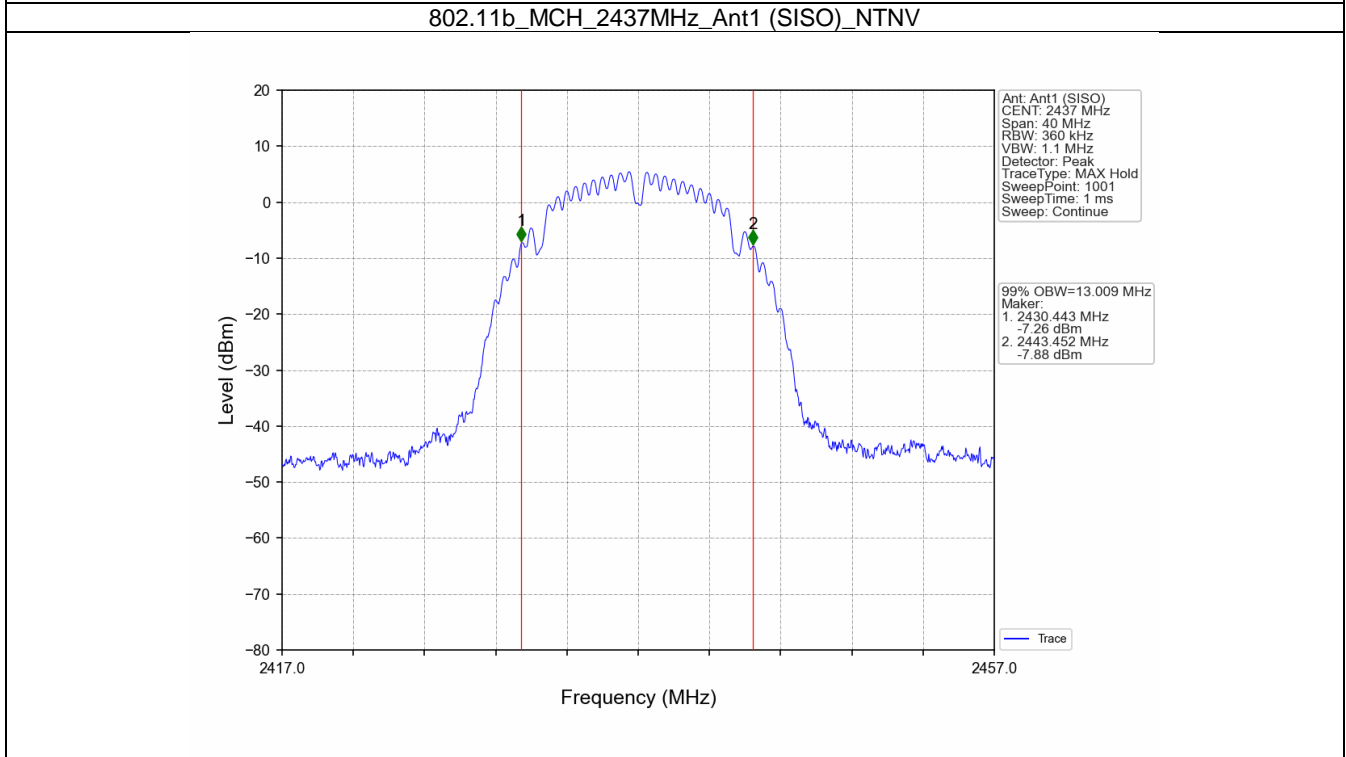
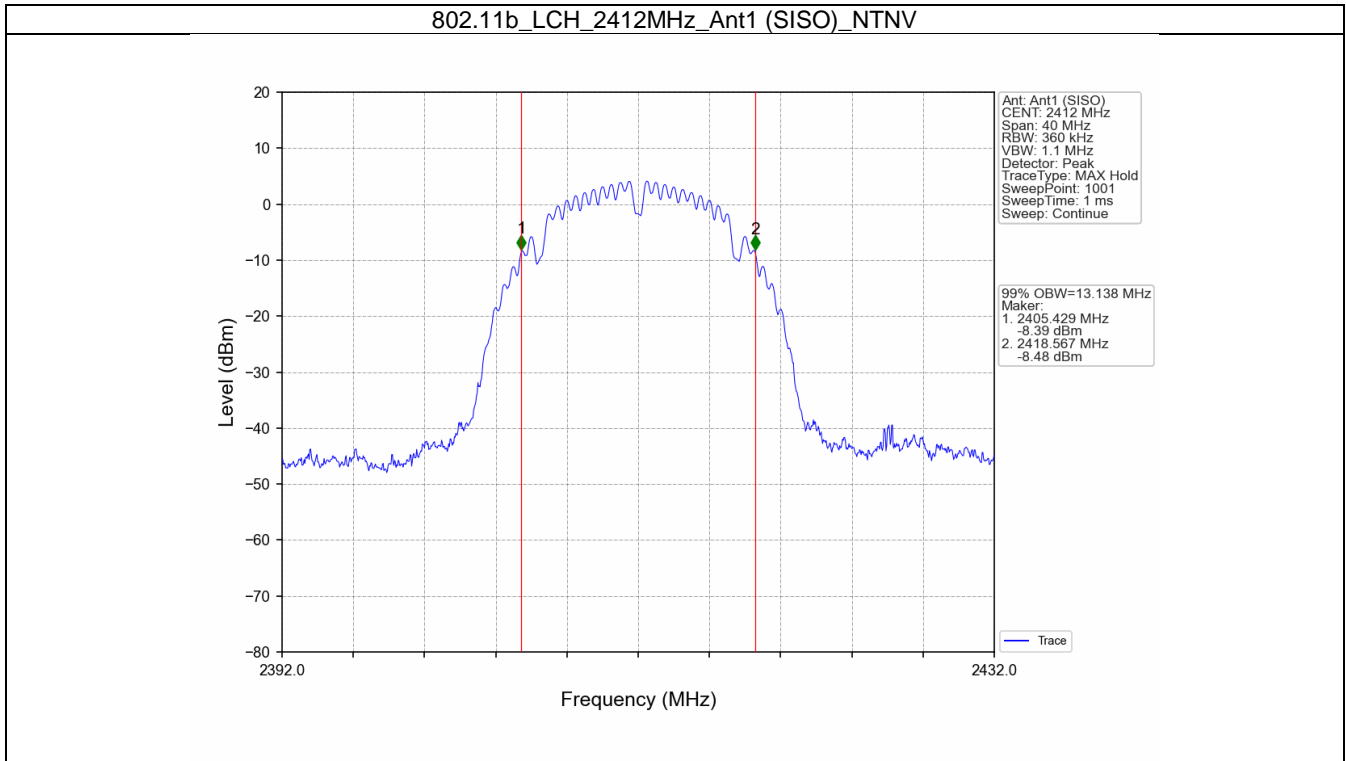
1. Bandwidth

1.1 OBW

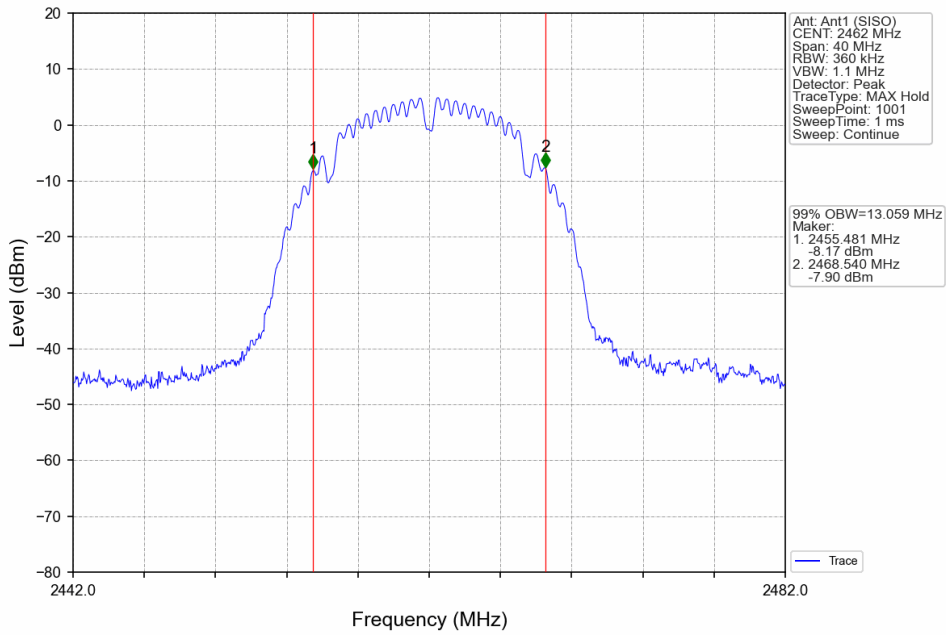
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.138	/	Pass
		2437	1	13.009	/	Pass
		2462	1	13.059	/	Pass
802.11g	SISO	2412	1	17.022	/	Pass
		2437	1	16.939	/	Pass
		2462	1	16.975	/	Pass
802.11n (HT20)	SISO	2412	1	17.541	/	Pass
		2437	1	17.461	/	Pass
		2462	1	17.494	/	Pass
802.11n (HT40)	SISO	2422	1	35.708	/	Pass
		2437	1	35.558	/	Pass
		2452	1	35.833	/	Pass

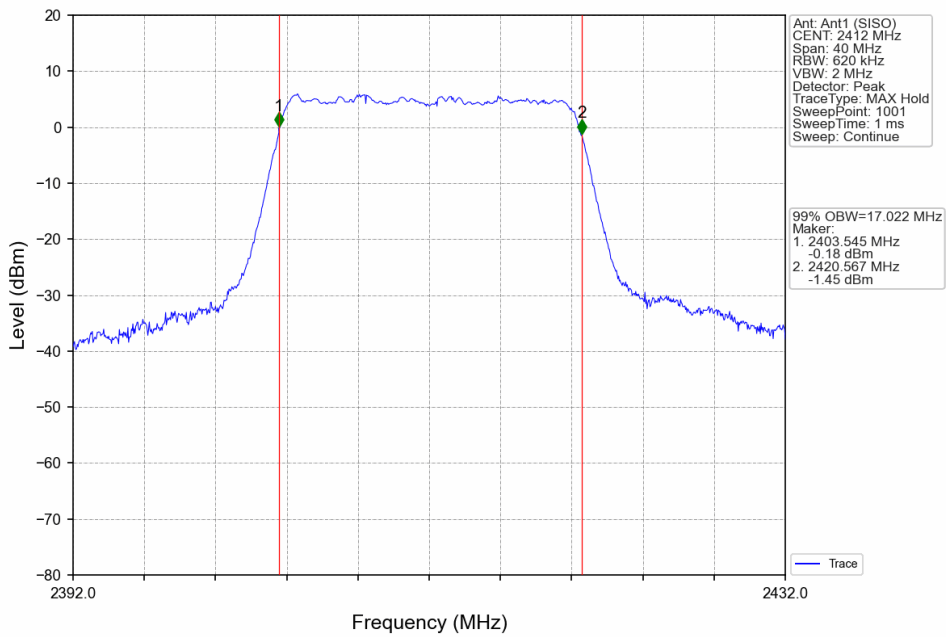
1.1.2 Test Graph



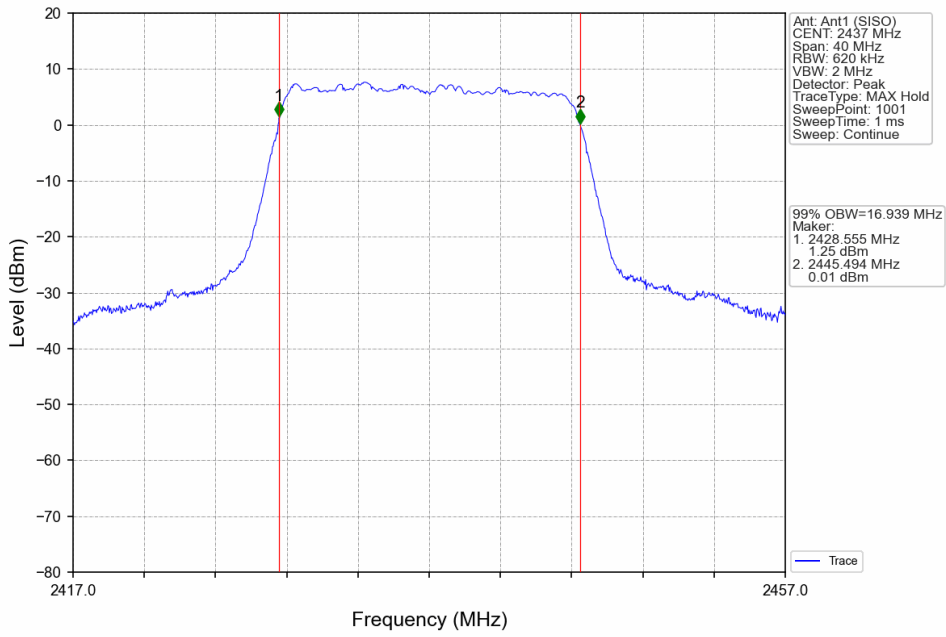
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



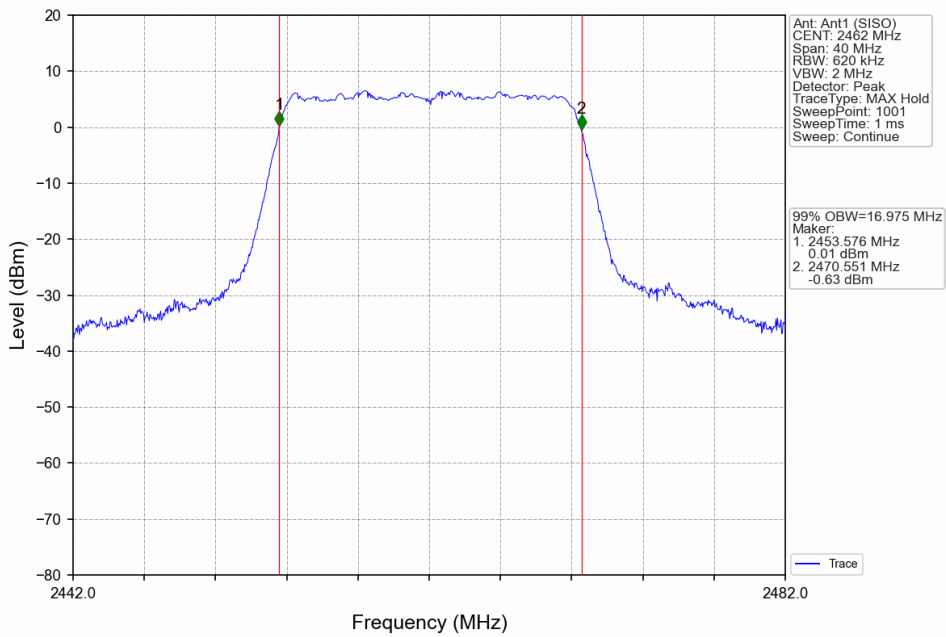
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



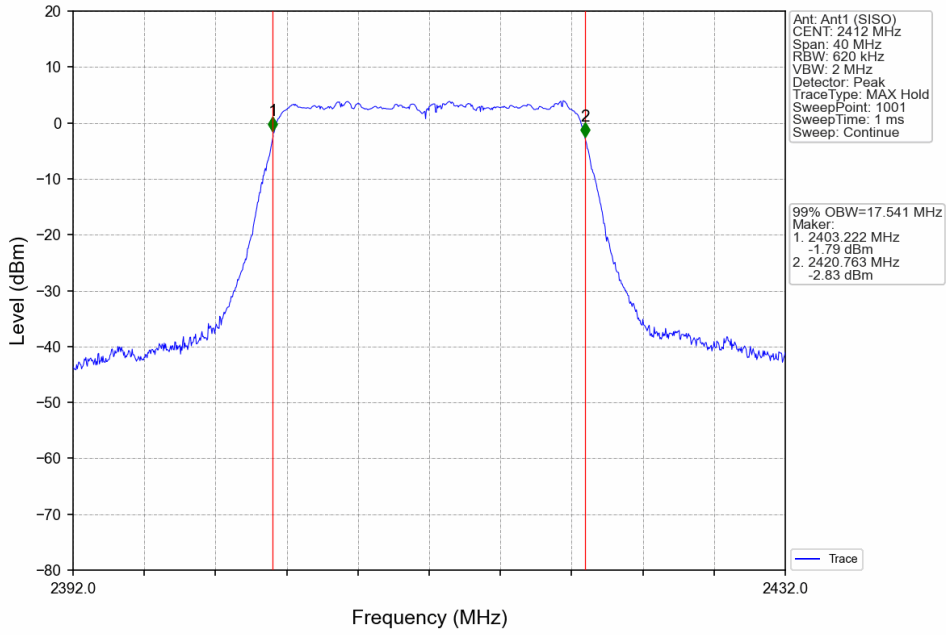
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



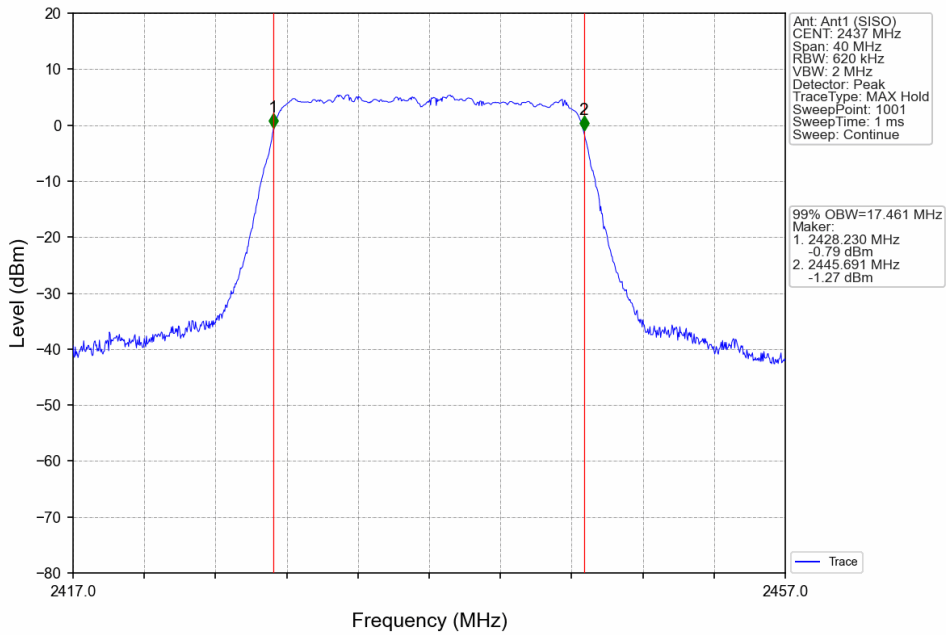
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



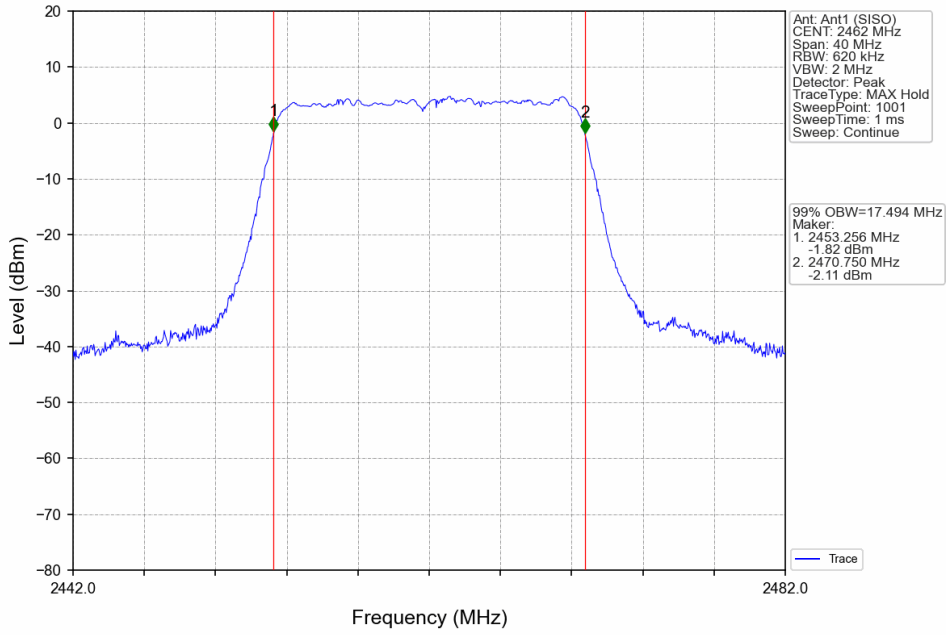
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



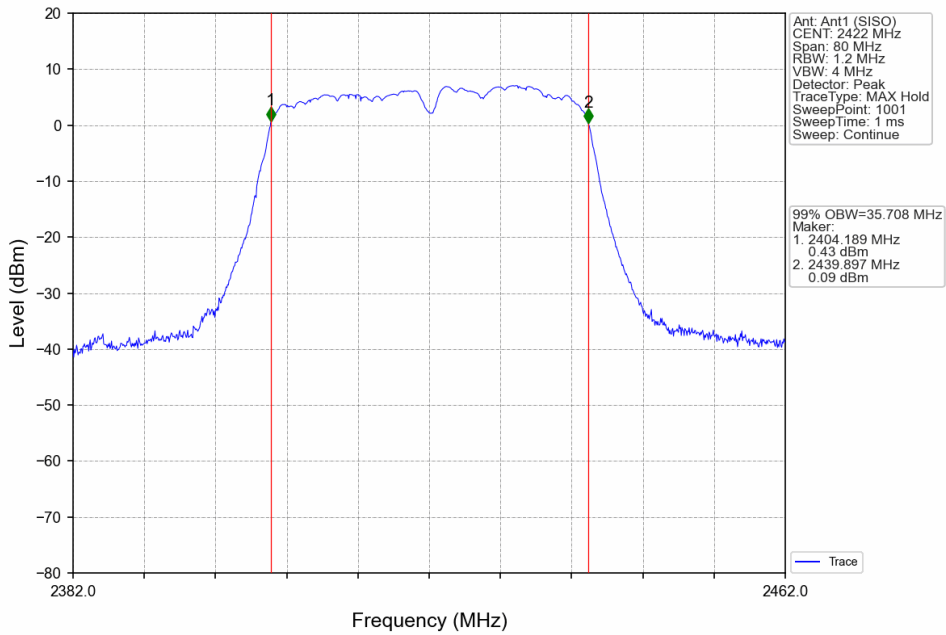
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



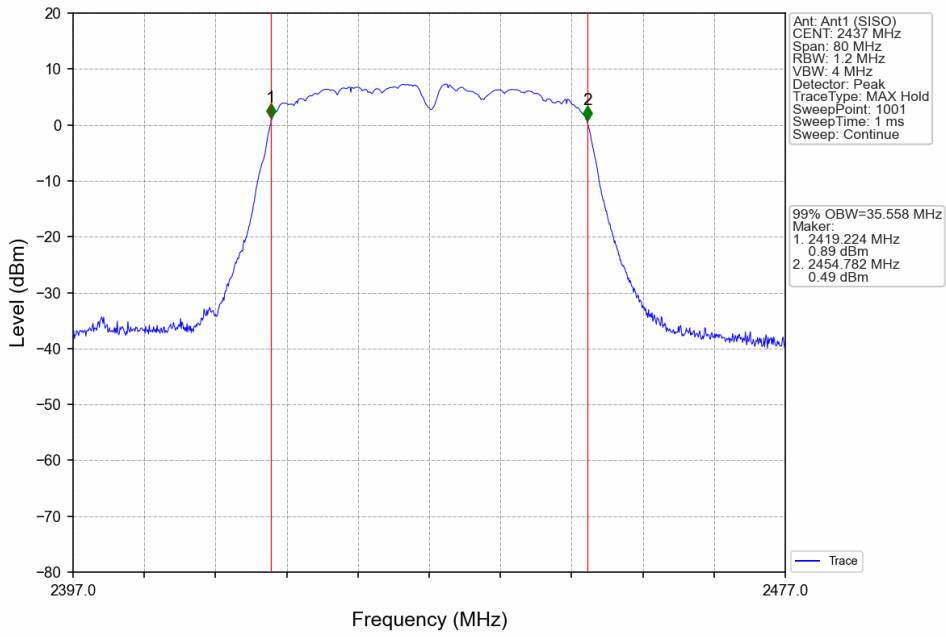
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



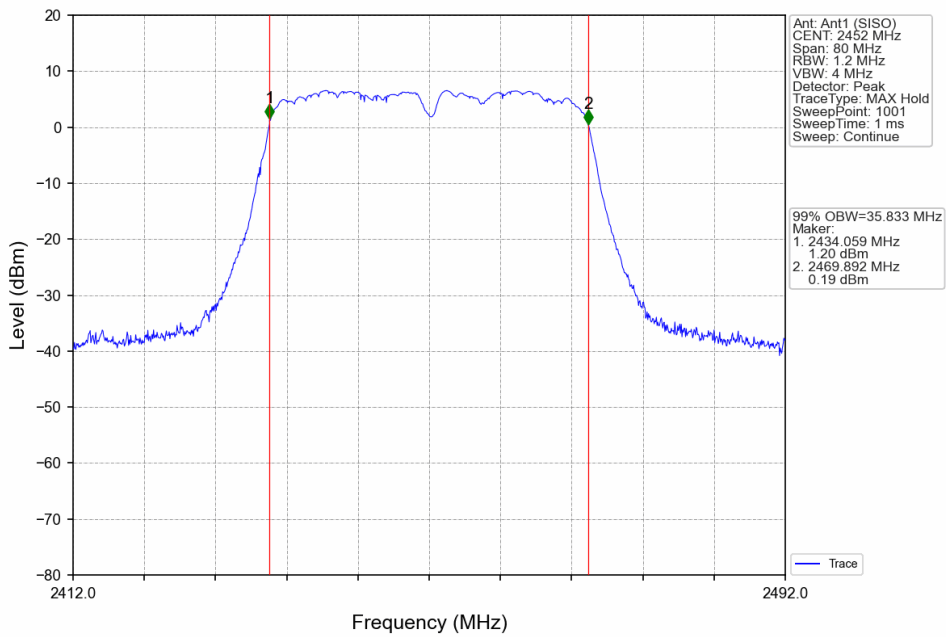
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

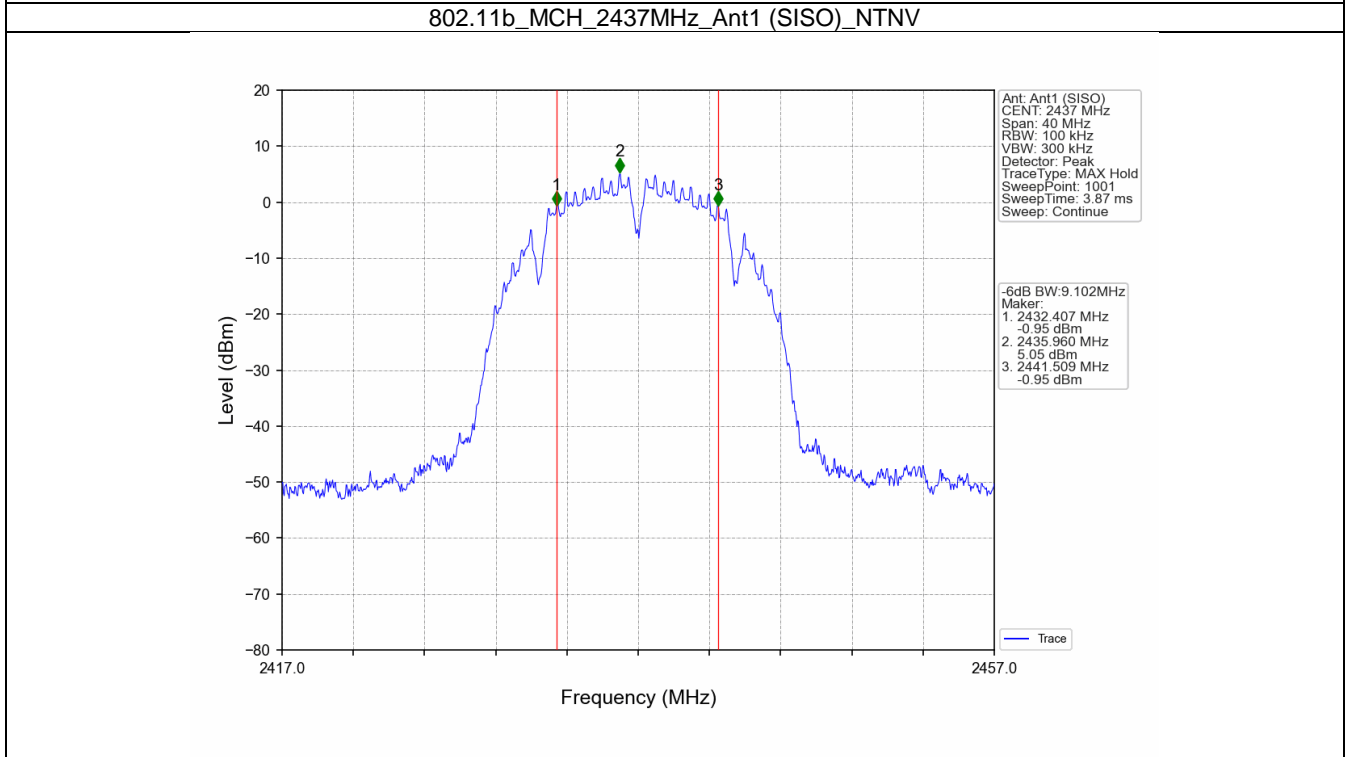
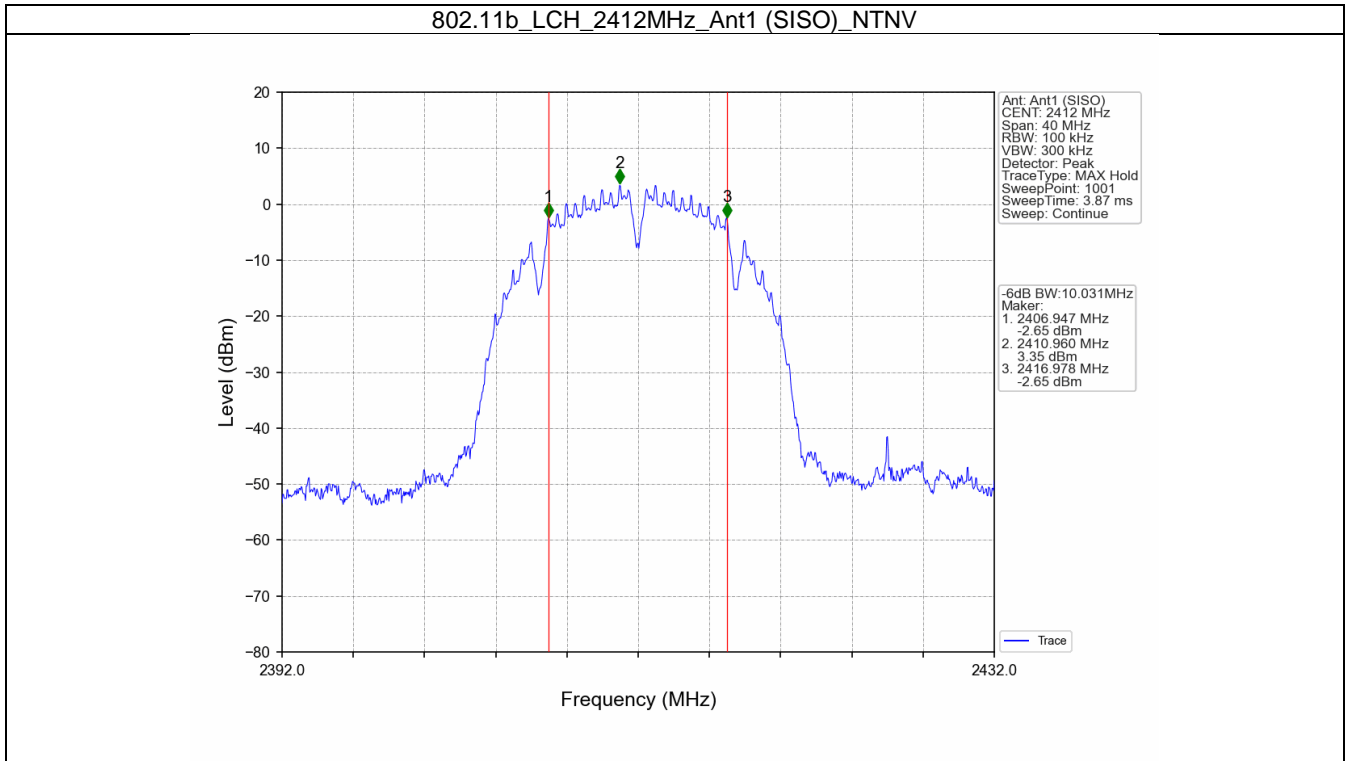


1.2 6dB BW

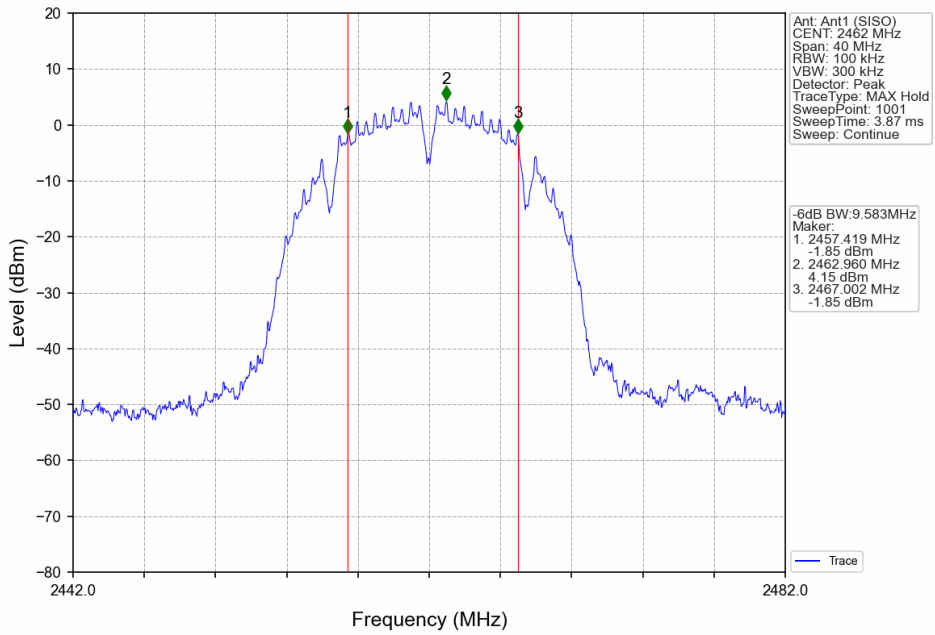
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.031	>=0.5	Pass
		2437	1	9.102	>=0.5	Pass
		2462	1	9.583	>=0.5	Pass
802.11g	SISO	2412	1	16.375	>=0.5	Pass
		2437	1	16.368	>=0.5	Pass
		2462	1	16.386	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	16.632	>=0.5	Pass
		2437	1	16.464	>=0.5	Pass
		2462	1	16.564	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.108	>=0.5	Pass
		2437	1	35.091	>=0.5	Pass
		2452	1	35.150	>=0.5	Pass

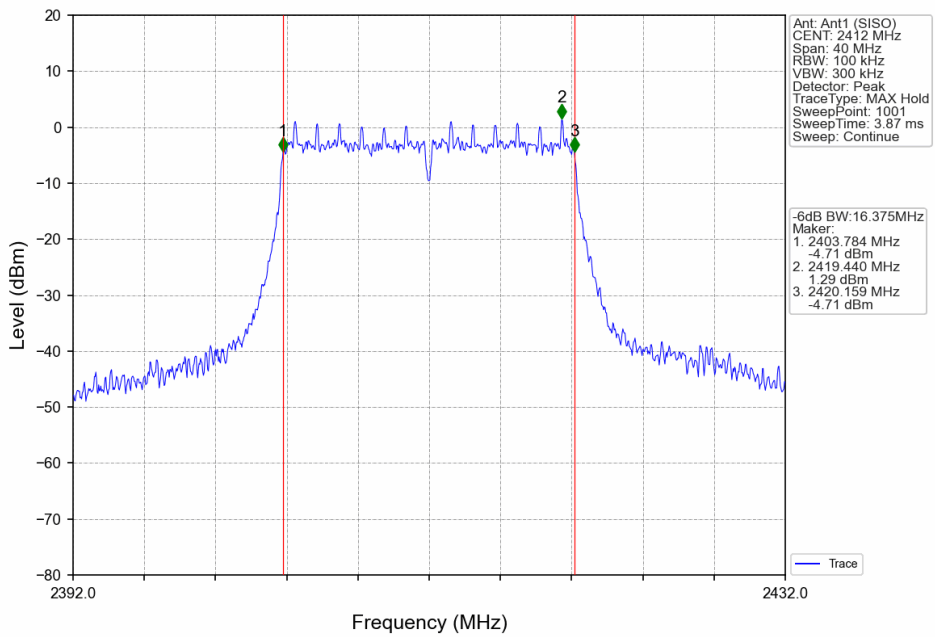
1.2.2 Test Graph



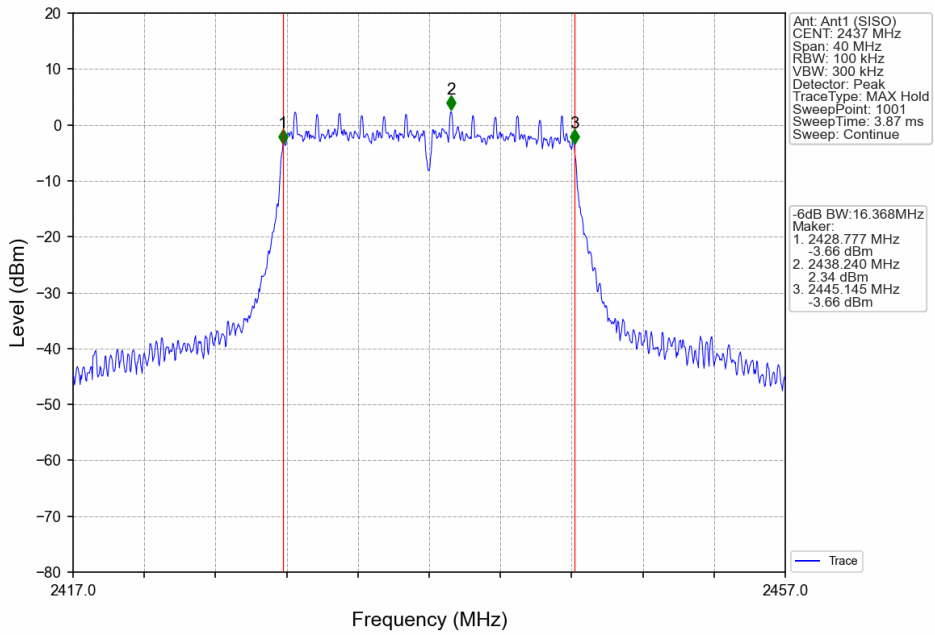
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



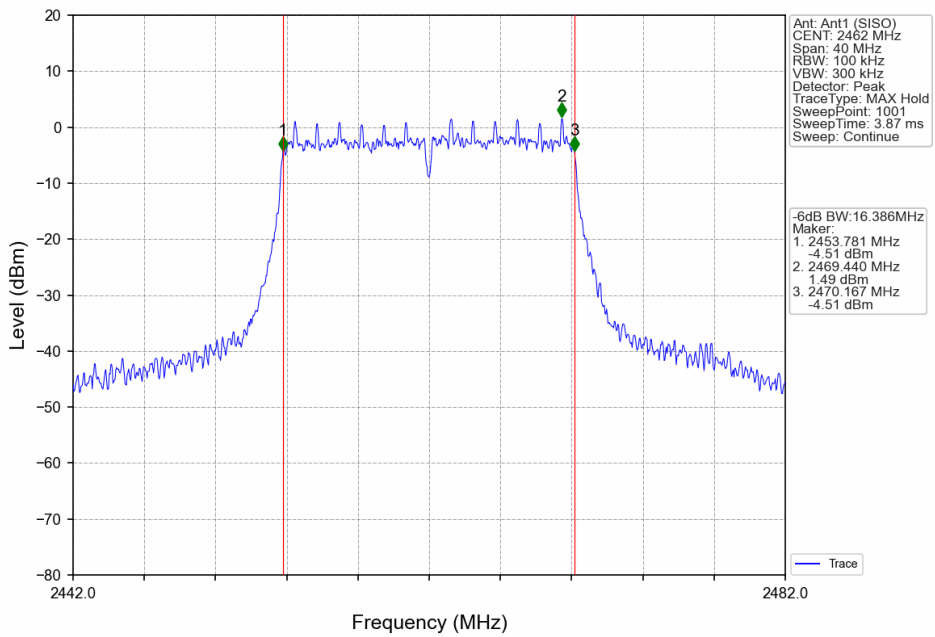
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



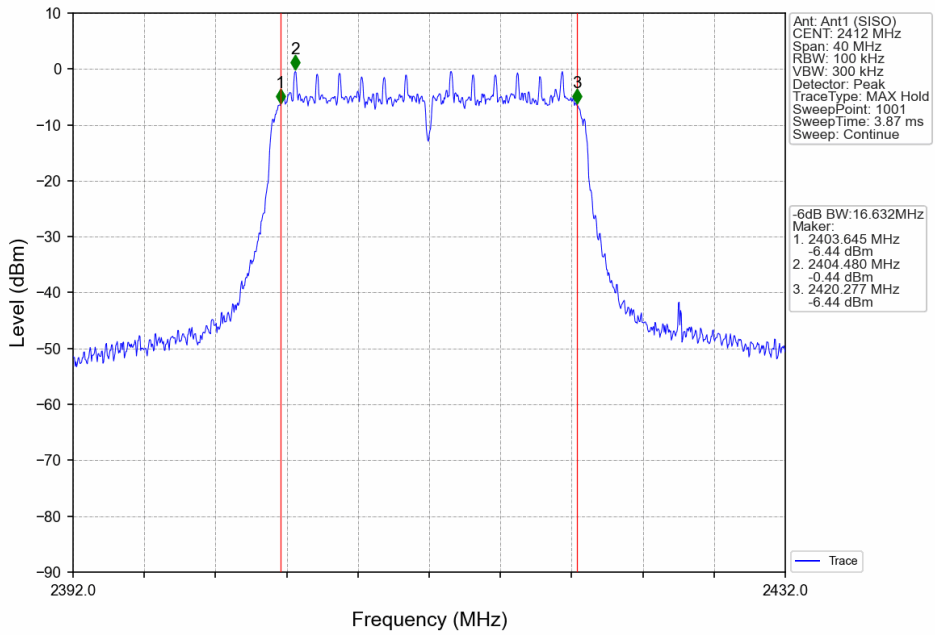
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



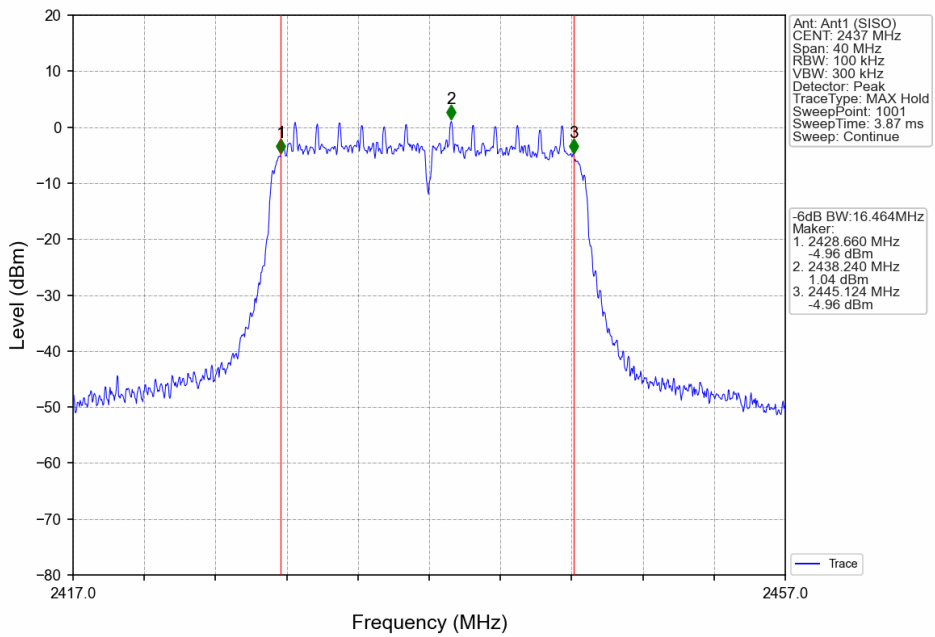
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



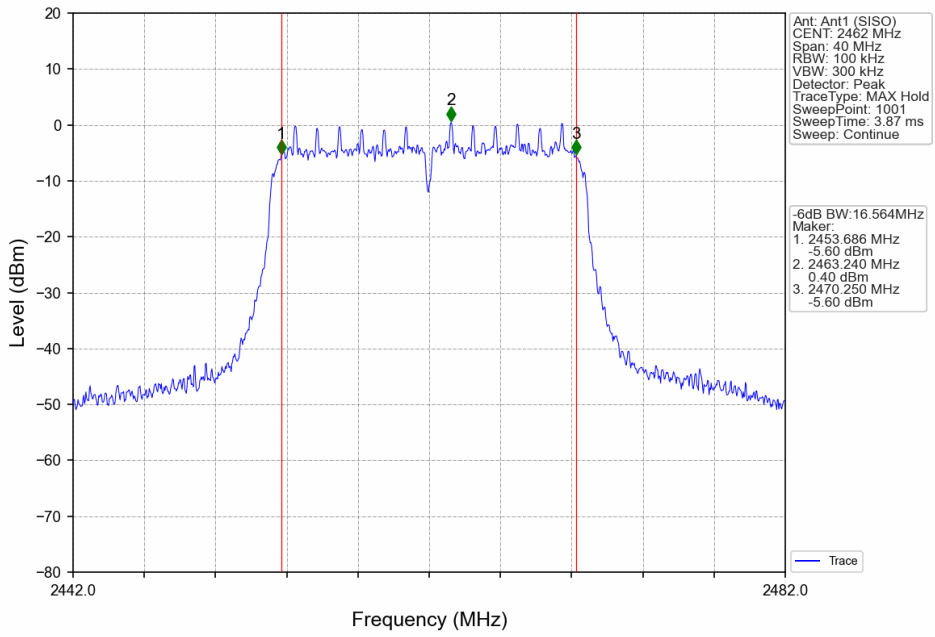
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



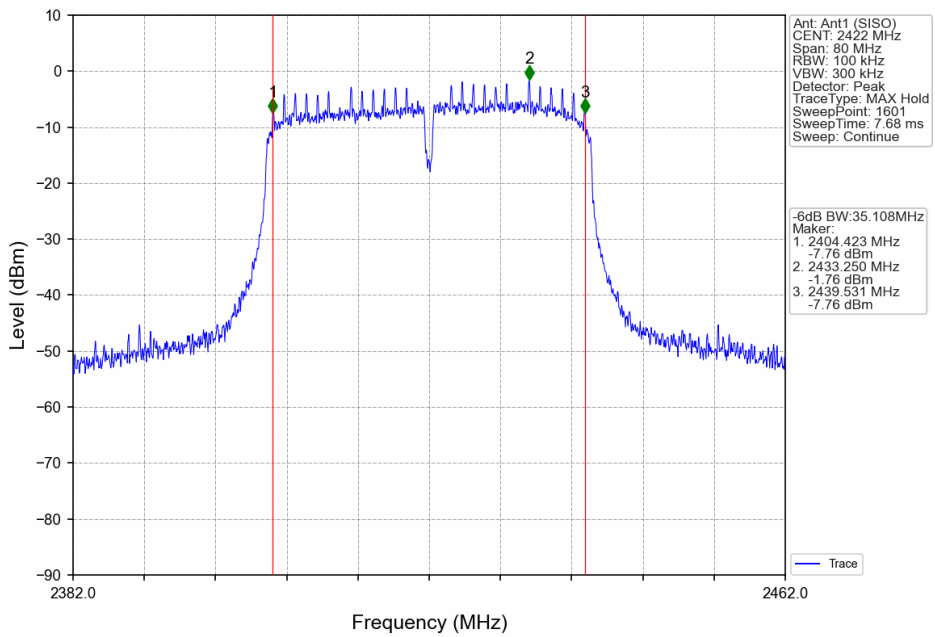
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



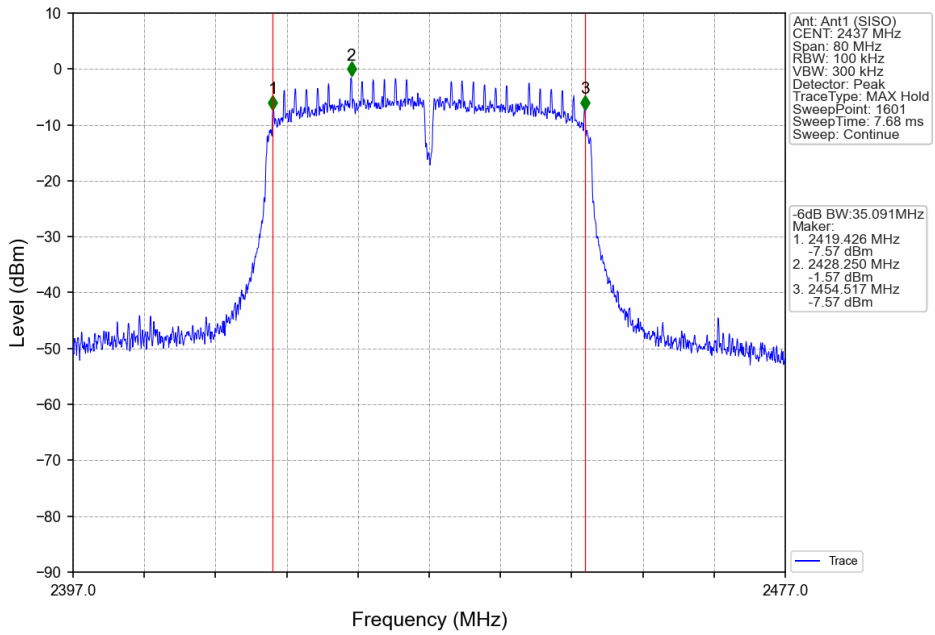
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



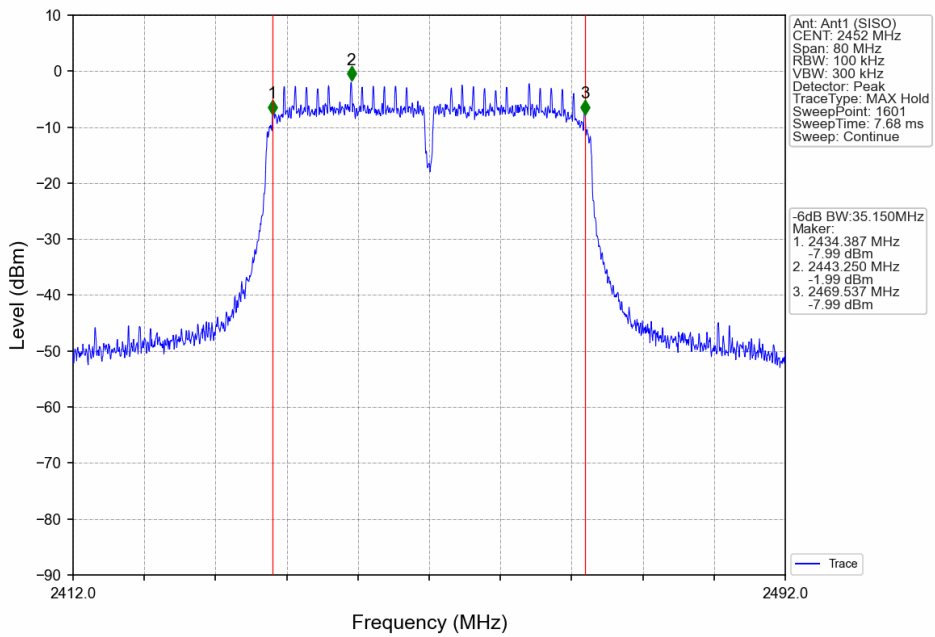
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

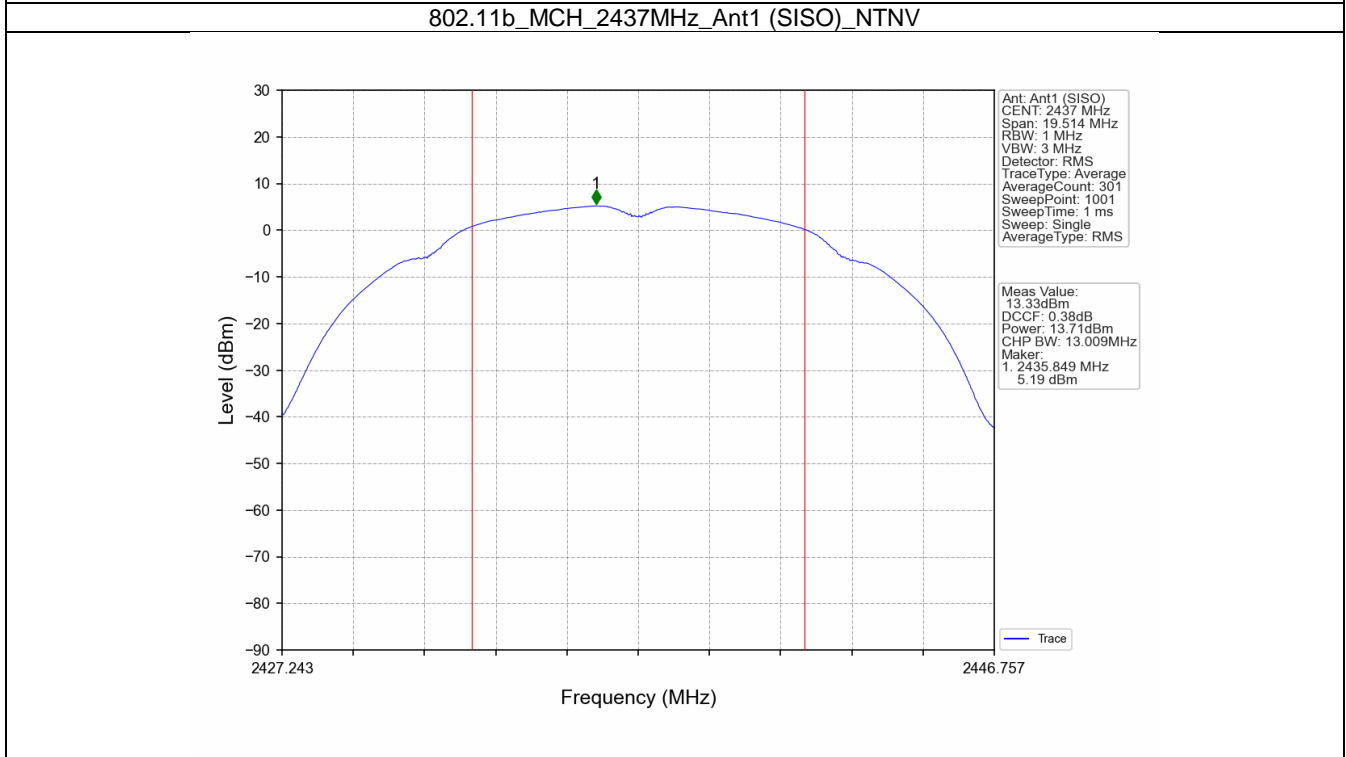
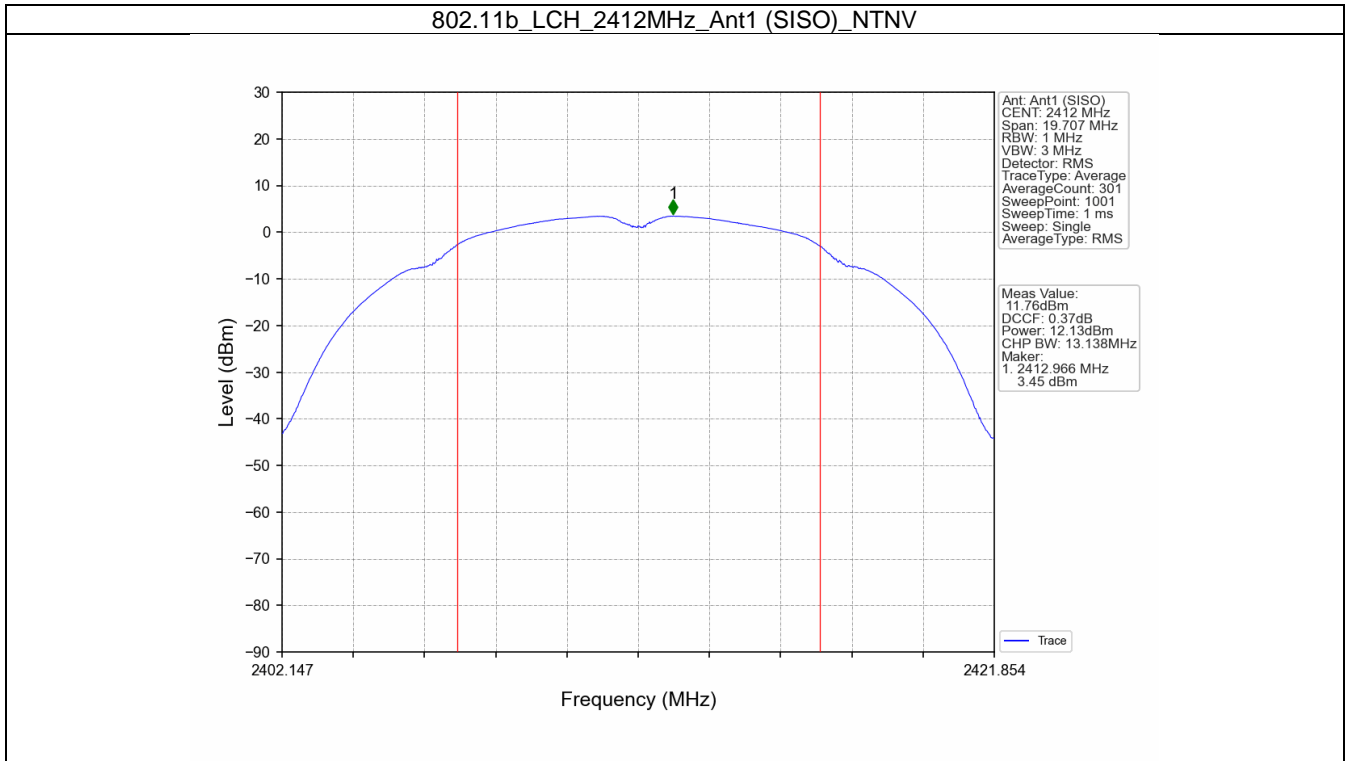
2.1 Power

2.1.1 Test Result

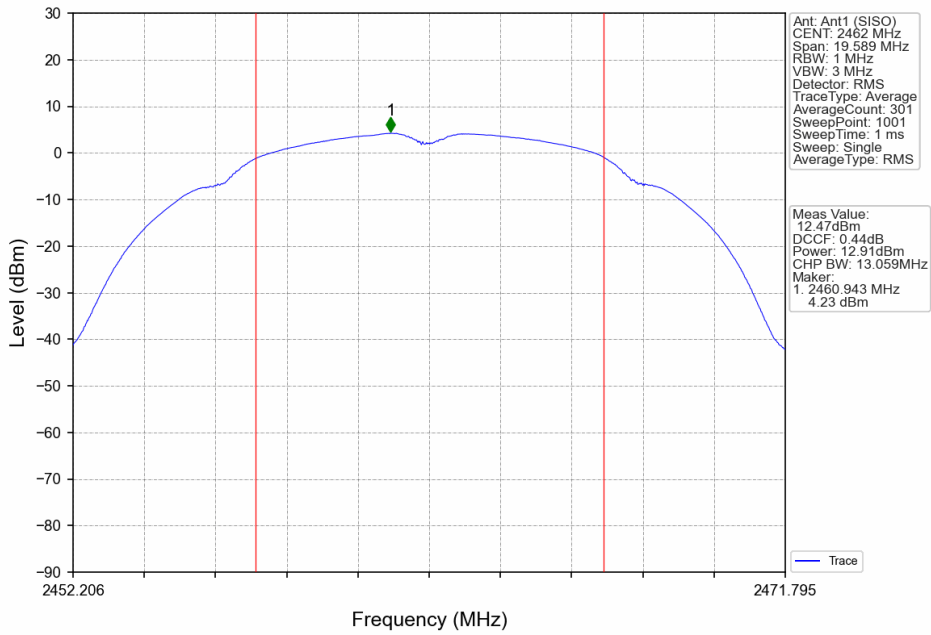
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	12.13	<=30	Pass
		2437	13.71	<=30	Pass
		2462	12.91	<=30	Pass
802.11g	SISO	2412	11.69	<=30	Pass
		2437	13.37	<=30	Pass
		2462	12.60	<=30	Pass
802.11n (HT20)	SISO	2412	10.25	<=30	Pass
		2437	11.58	<=30	Pass
		2462	10.93	<=30	Pass
802.11n (HT40)	SISO	2422	11.36	<=30	Pass
		2437	11.69	<=30	Pass
		2452	11.52	<=30	Pass

Note1: Antenna Gain: Ant1: -3.89dBi;

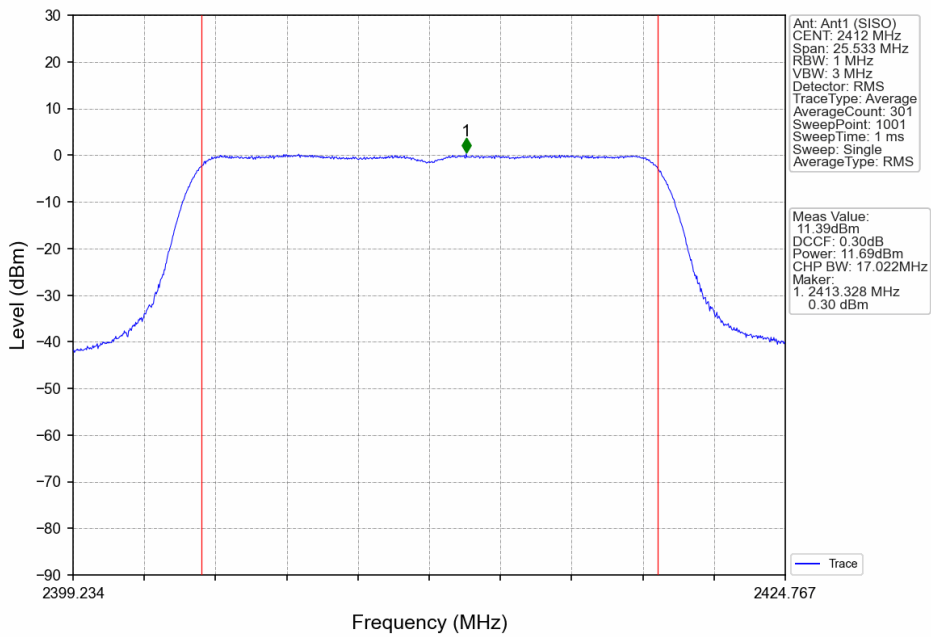
2.1.2 Test Graph



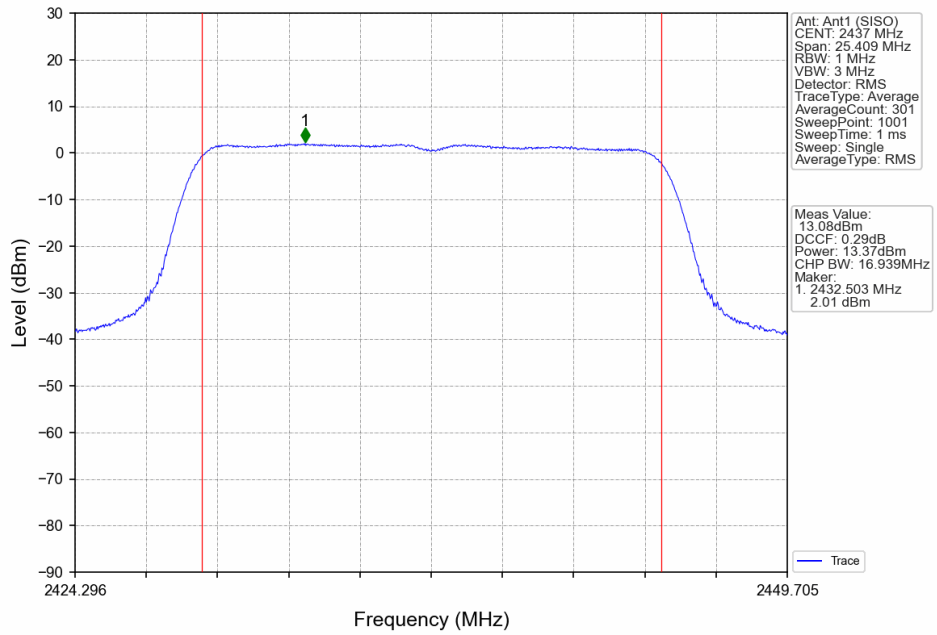
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



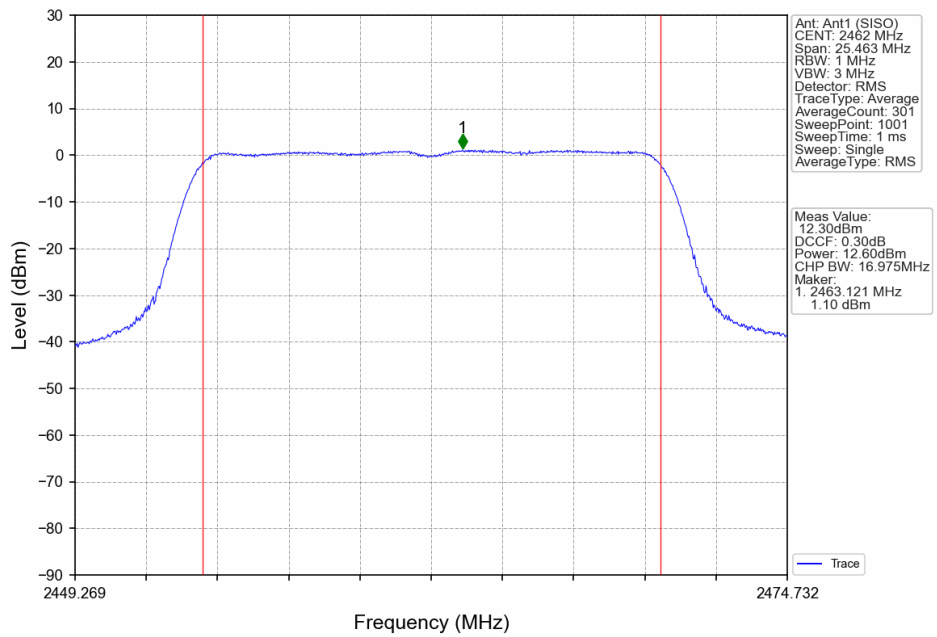
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



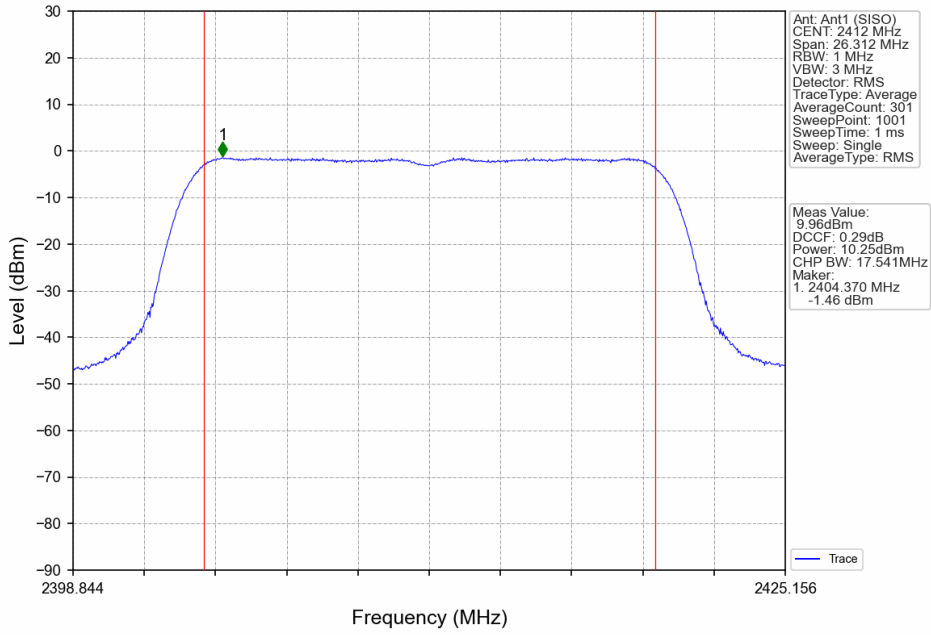
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



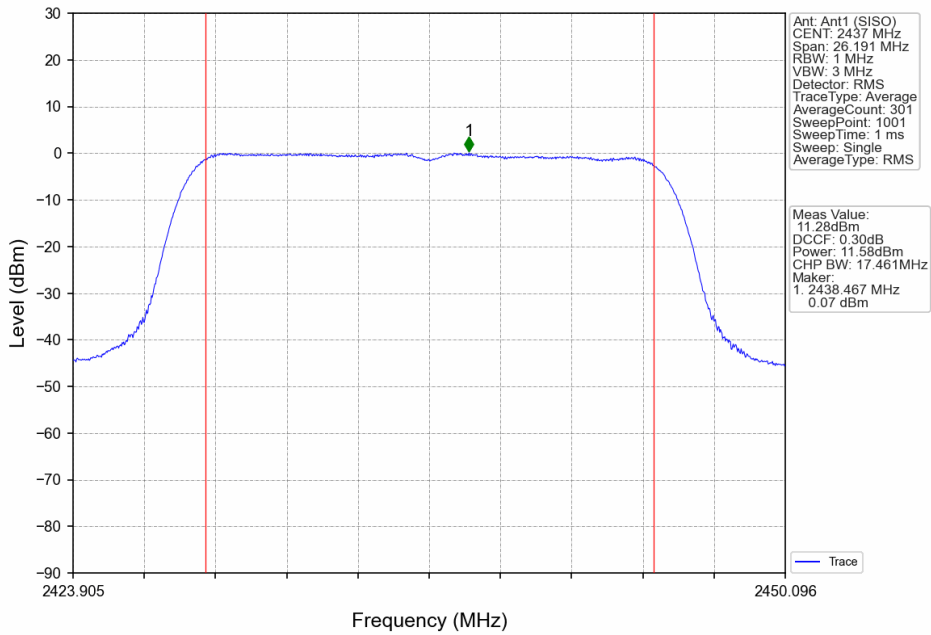
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



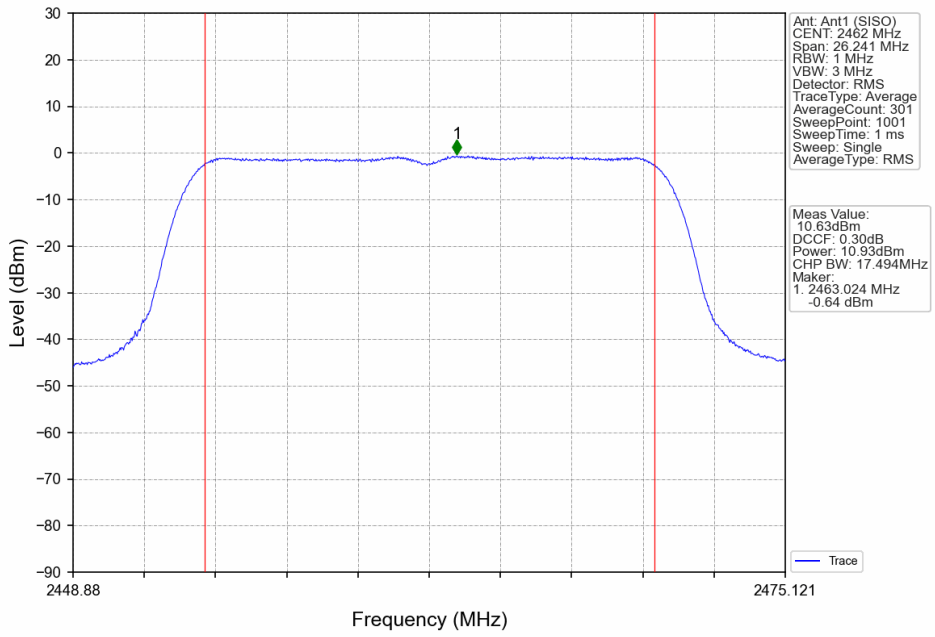
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



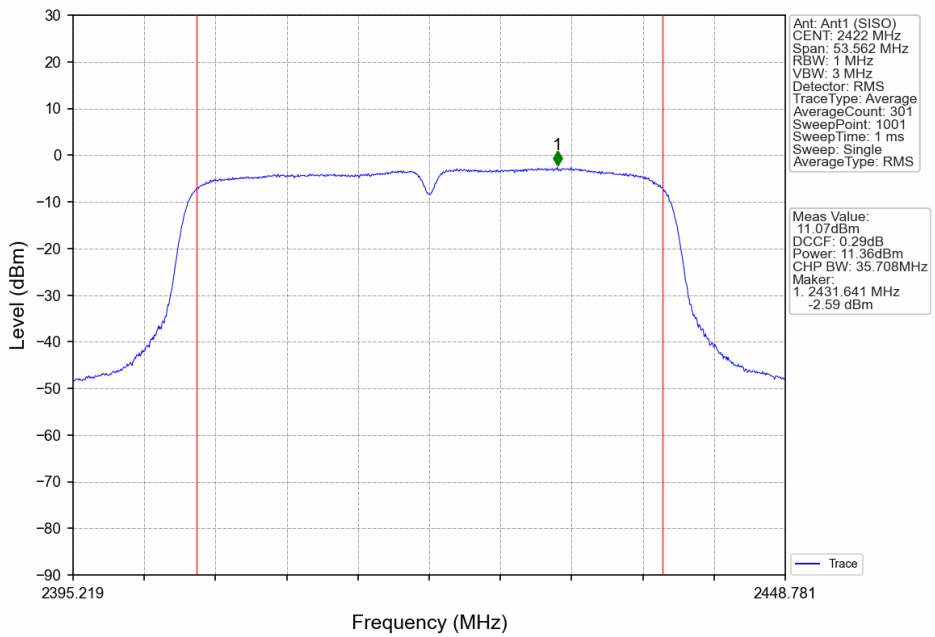
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



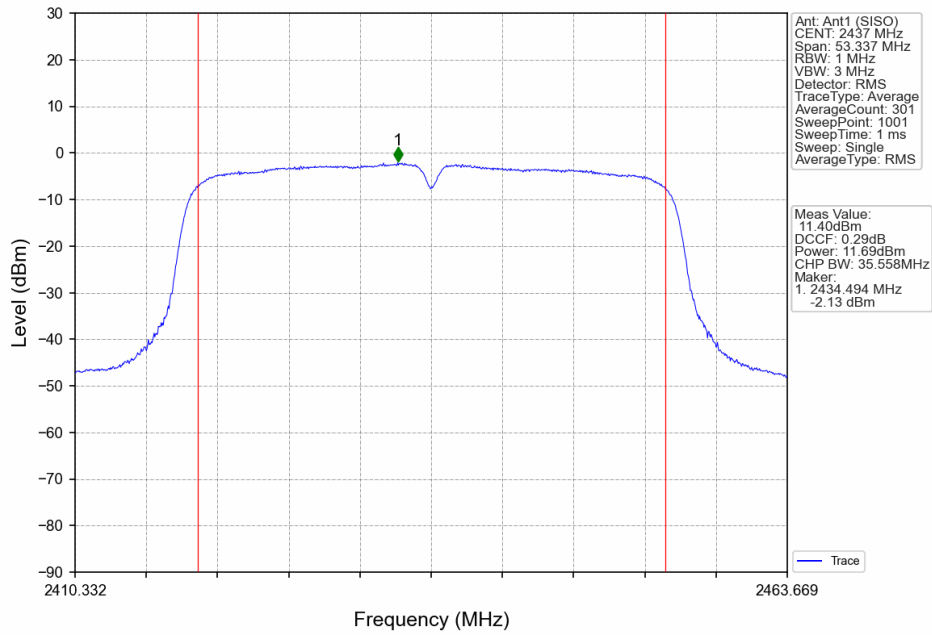
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



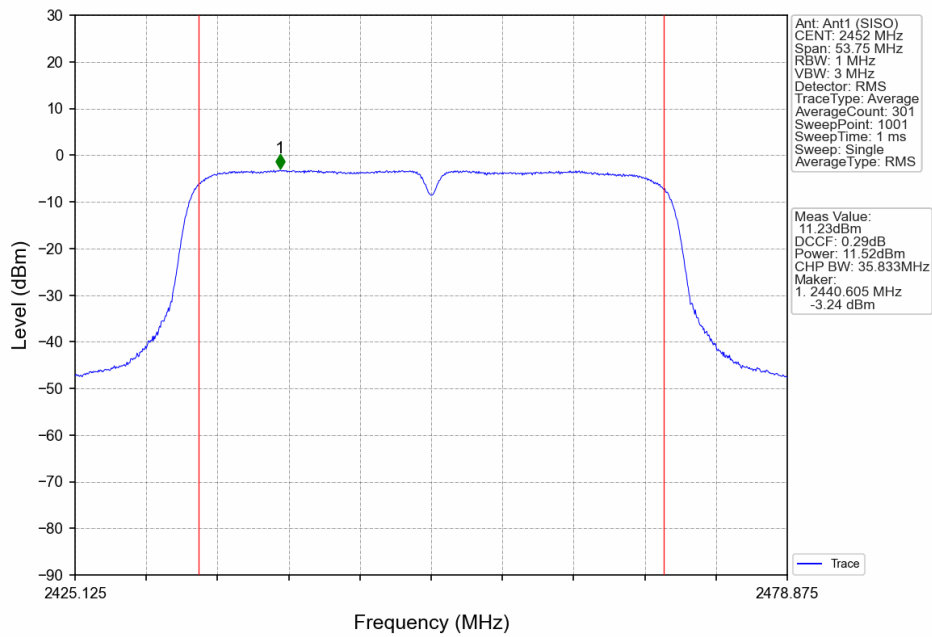
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Power Spectral Density

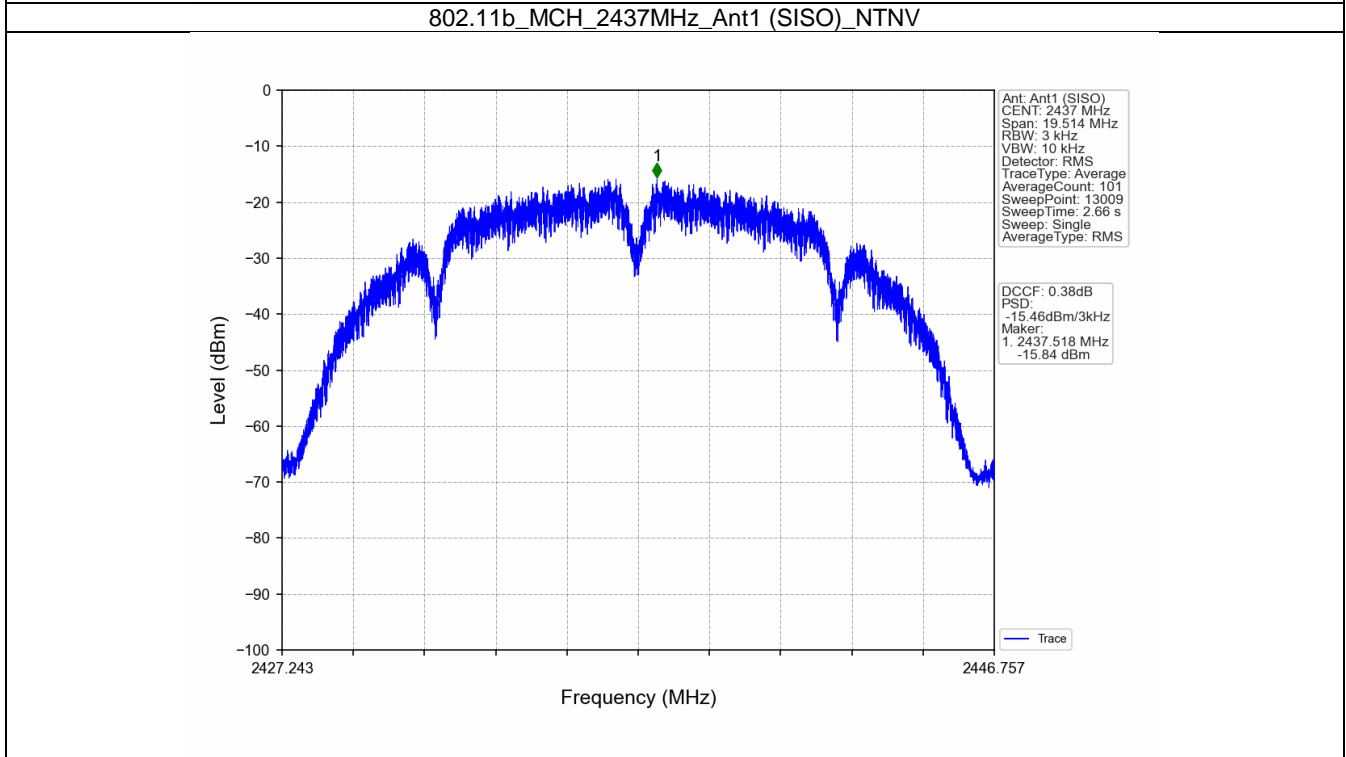
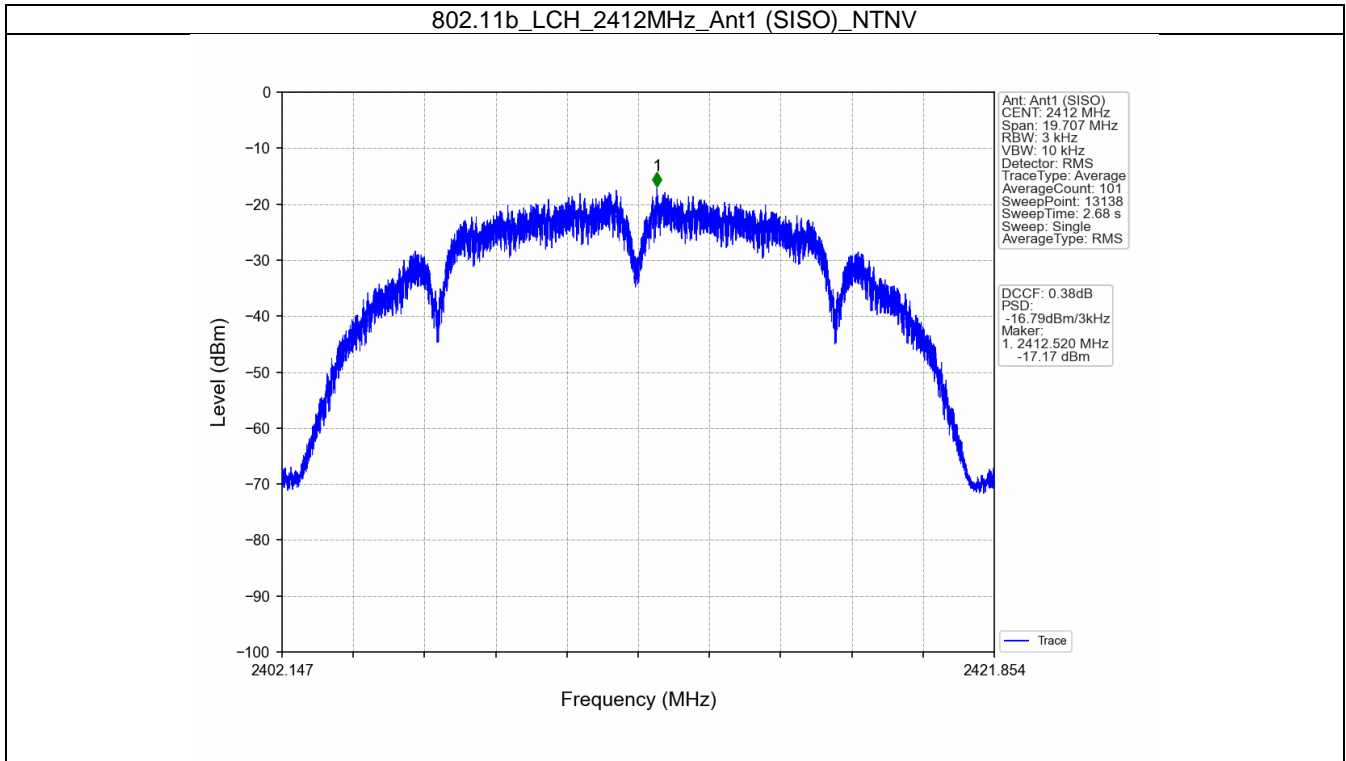
3.1 PSD

3.1.1 Test Result

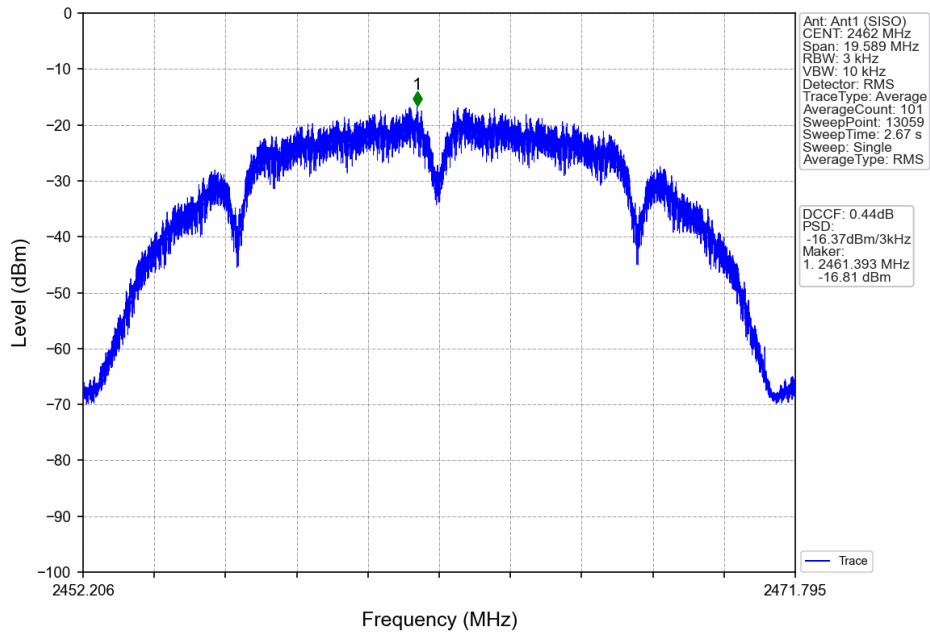
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-16.79	<=8	Pass
		2437	-15.46	<=8	Pass
		2462	-16.37	<=8	Pass
802.11g	SISO	2412	-17.82	<=8	Pass
		2437	-16.32	<=8	Pass
		2462	-17.27	<=8	Pass
802.11n (HT20)	SISO	2412	-19.02	<=8	Pass
		2437	-17.91	<=8	Pass
		2462	-18.53	<=8	Pass
802.11n (HT40)	SISO	2422	-20.11	<=8	Pass
		2437	-19.69	<=8	Pass
		2452	-21.22	<=8	Pass

Note1: Antenna Gain: Ant1: -3.89dBi;

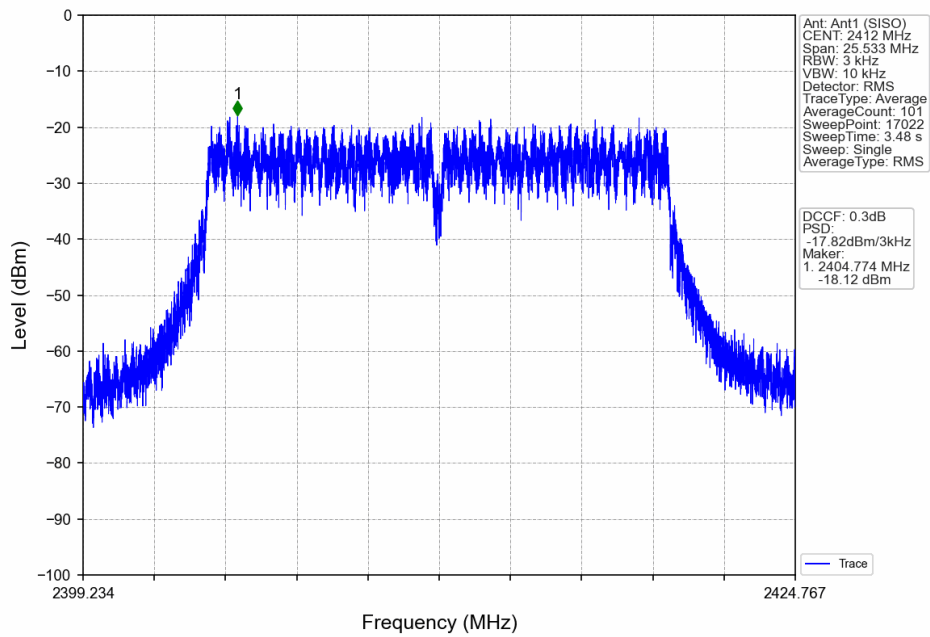
3.1.2 Test Graph



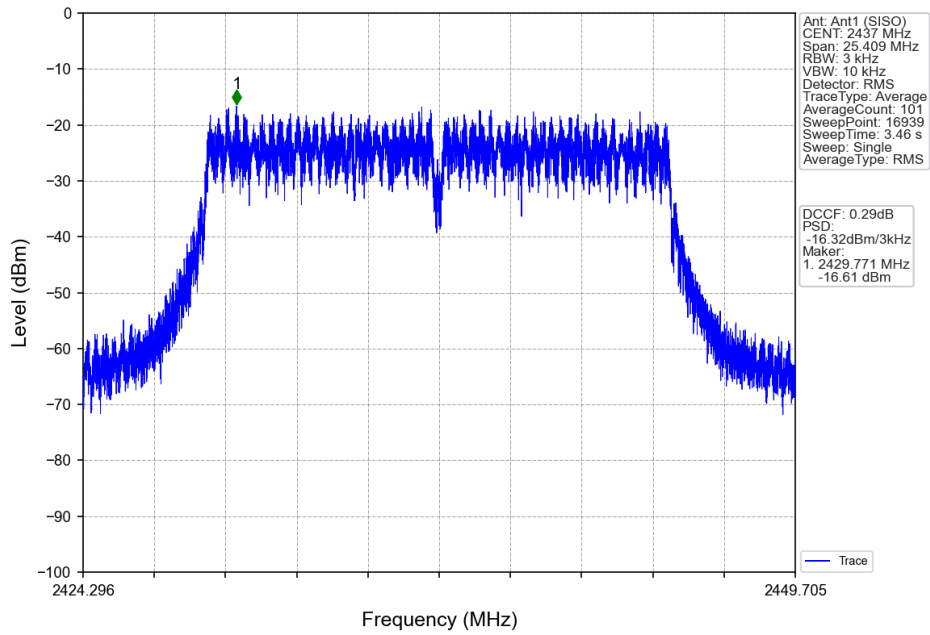
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



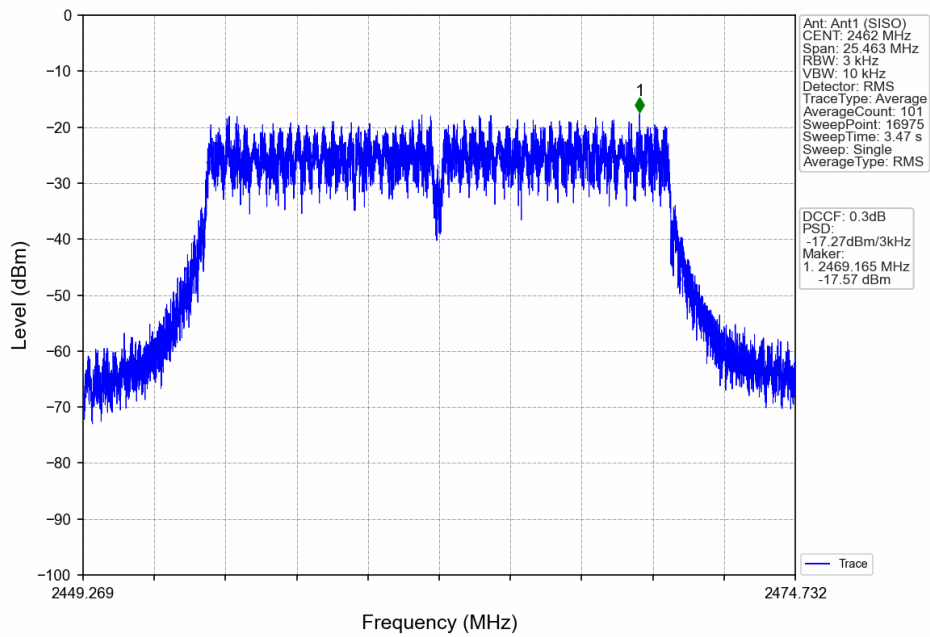
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



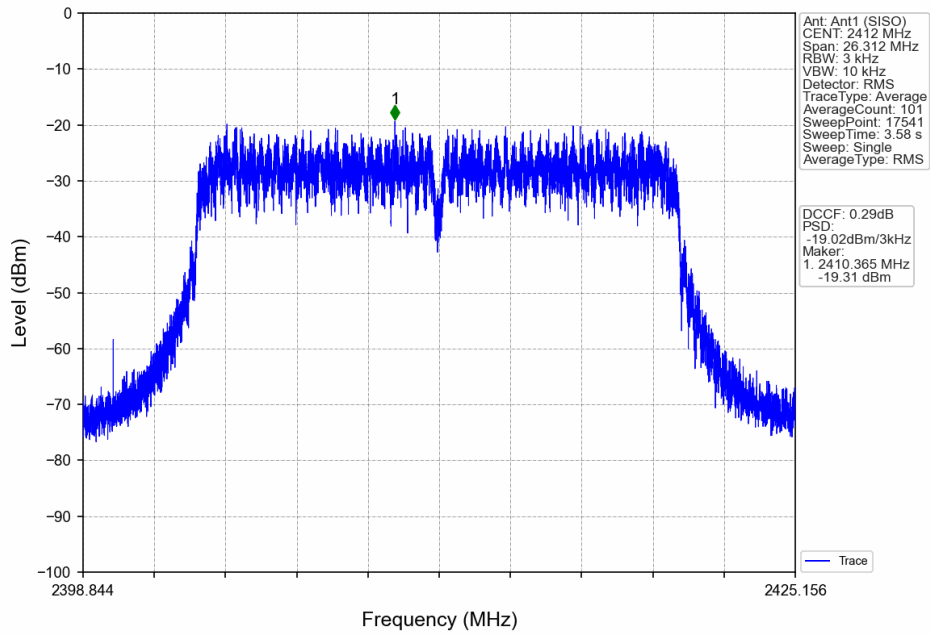
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



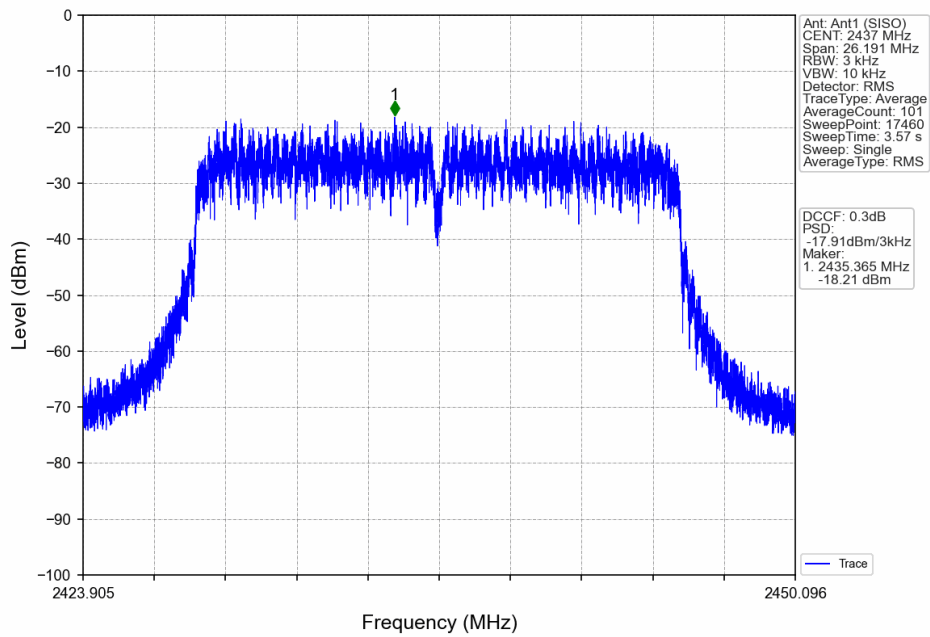
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



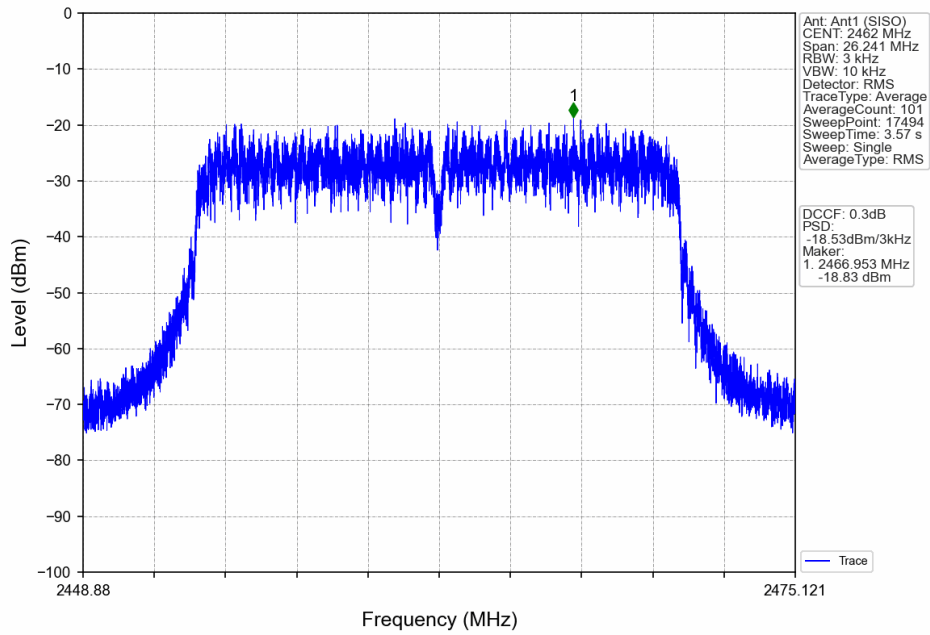
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



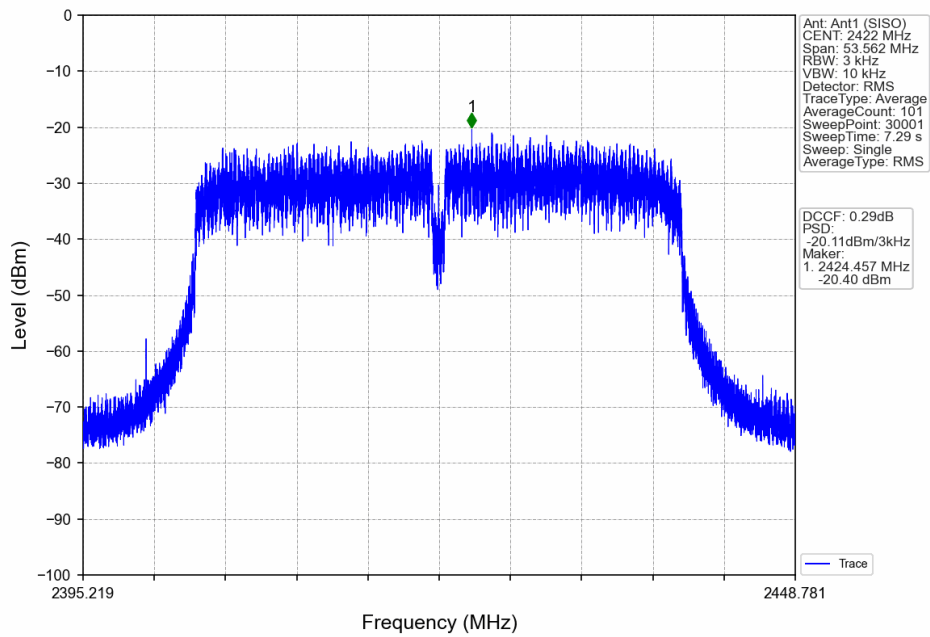
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



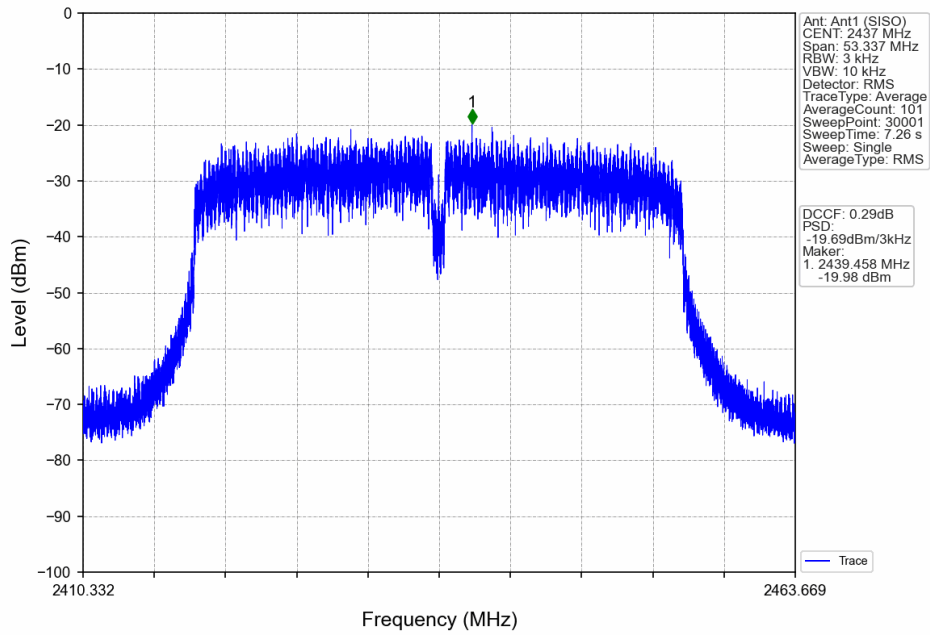
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



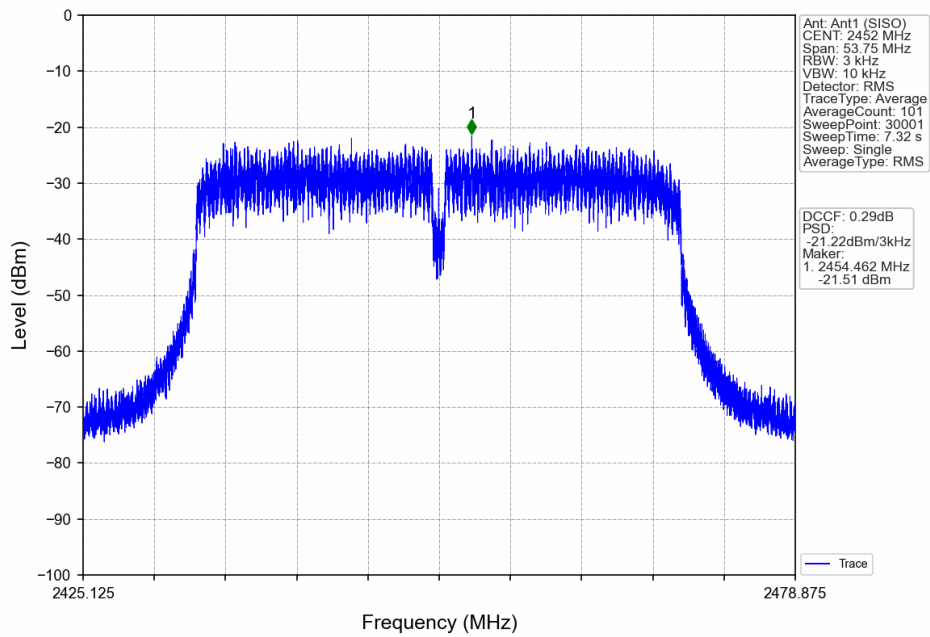
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

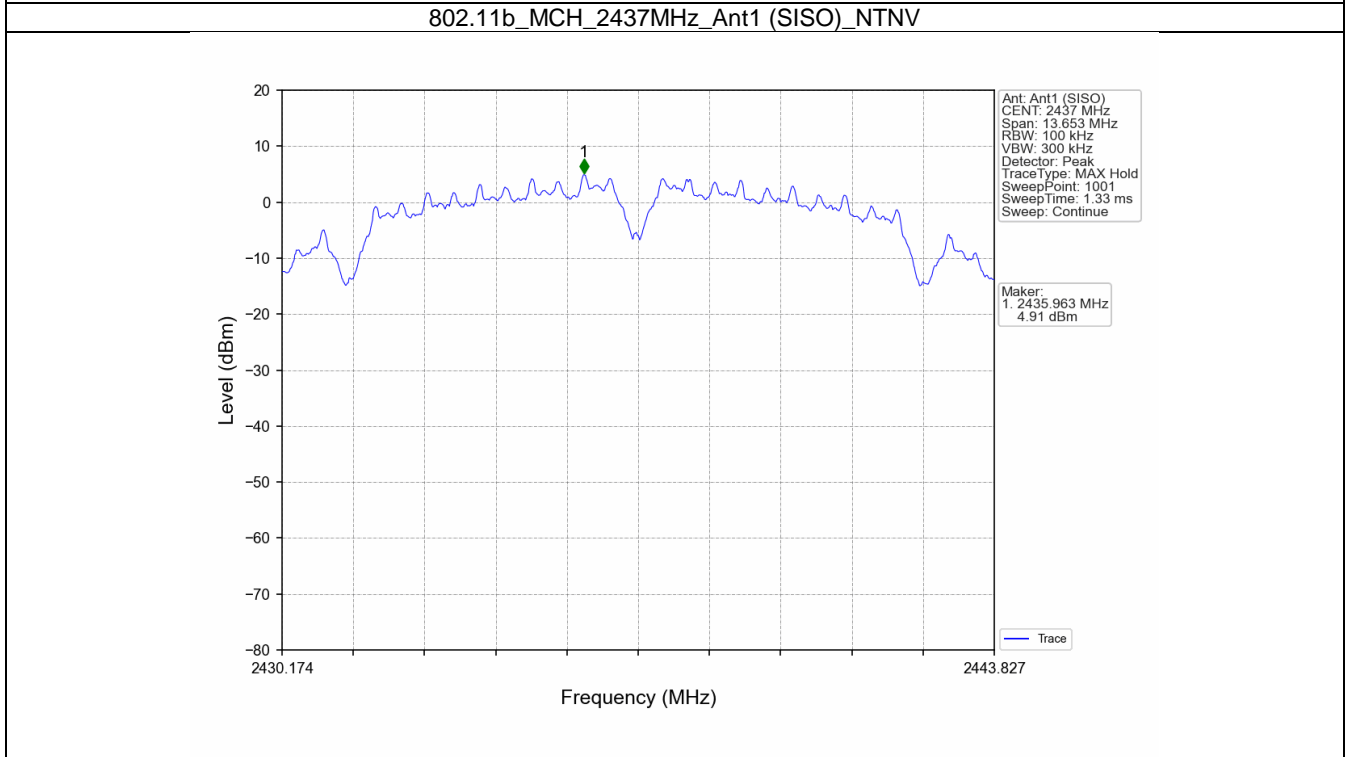
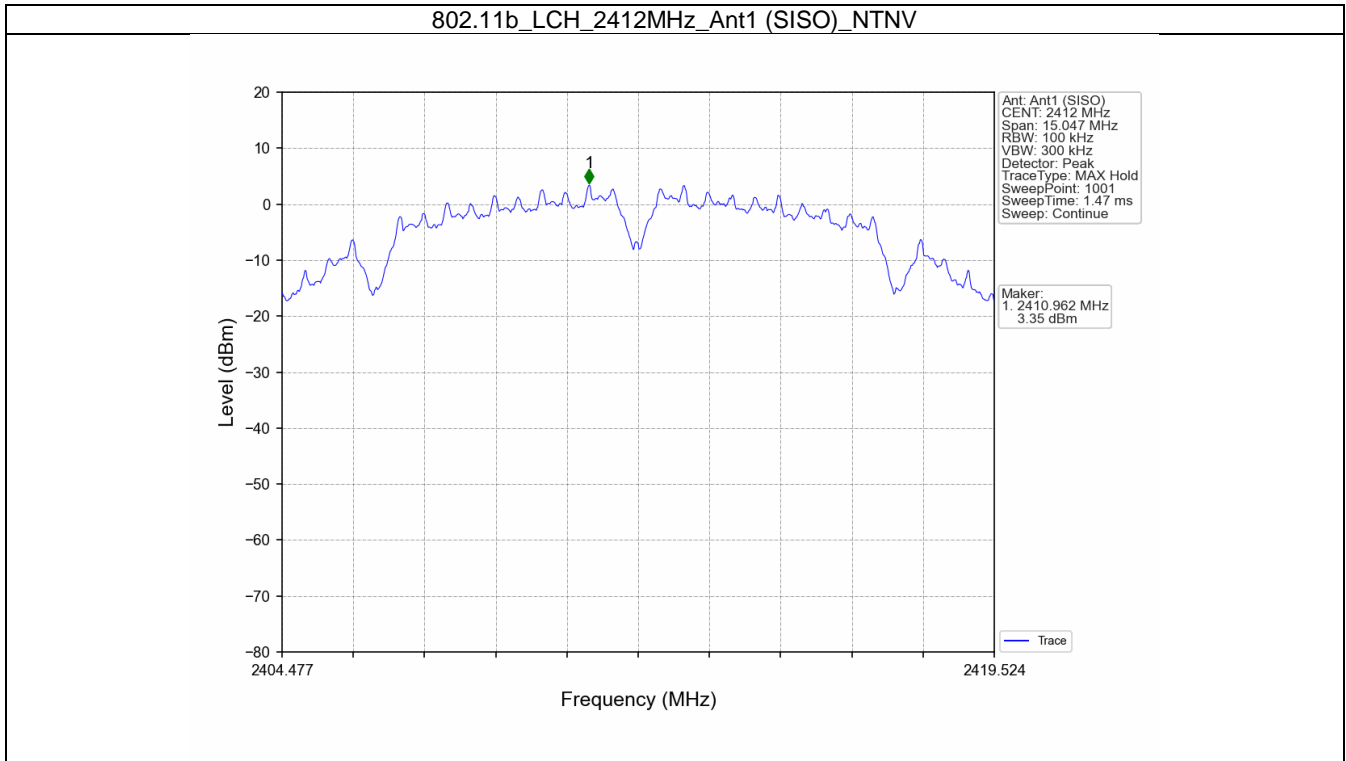
4.1 Ref

4.1.1 Test Result

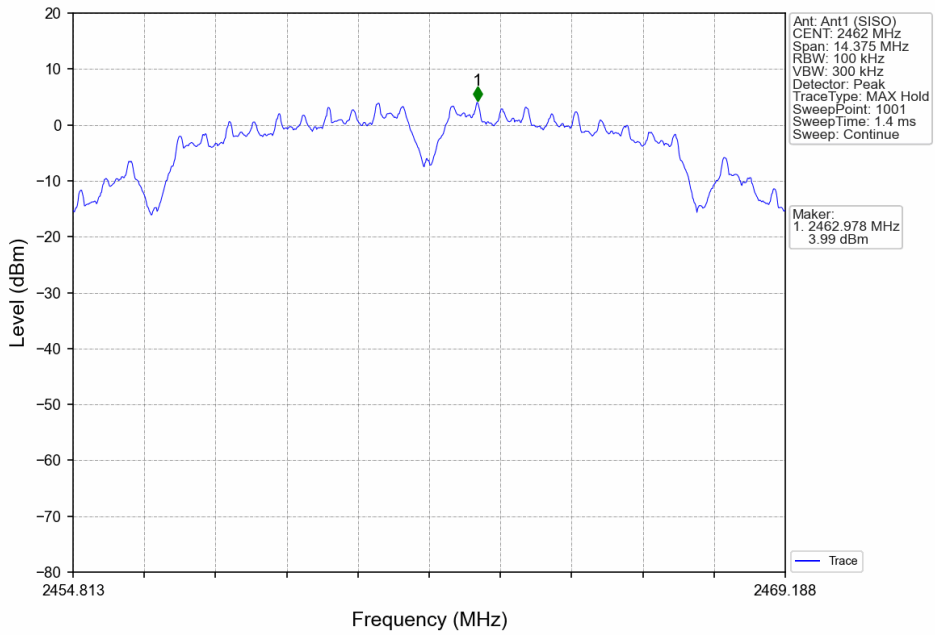
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.35
		2437	1	4.91
		2462	1	3.99
802.11g	SISO	2412	1	1.02
		2437	1	2.34
		2462	1	1.55
802.11n (HT20)	SISO	2412	1	-0.43
		2437	1	1.08
		2462	1	0.36
802.11n (HT40)	SISO	2422	1	-1.83
		2437	1	-1.57
		2452	1	-1.60

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.

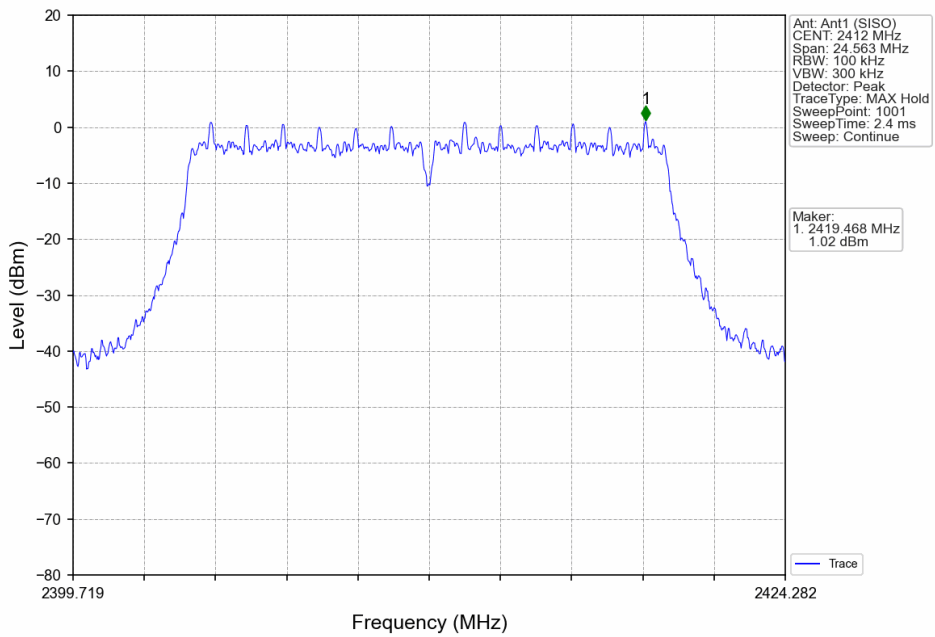
4.1.2 Test Graph



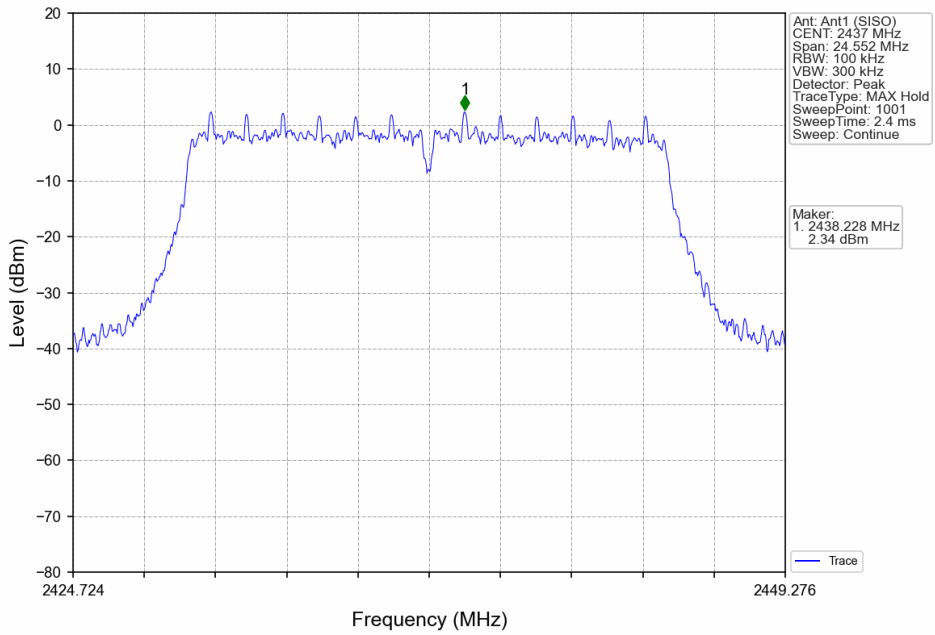
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



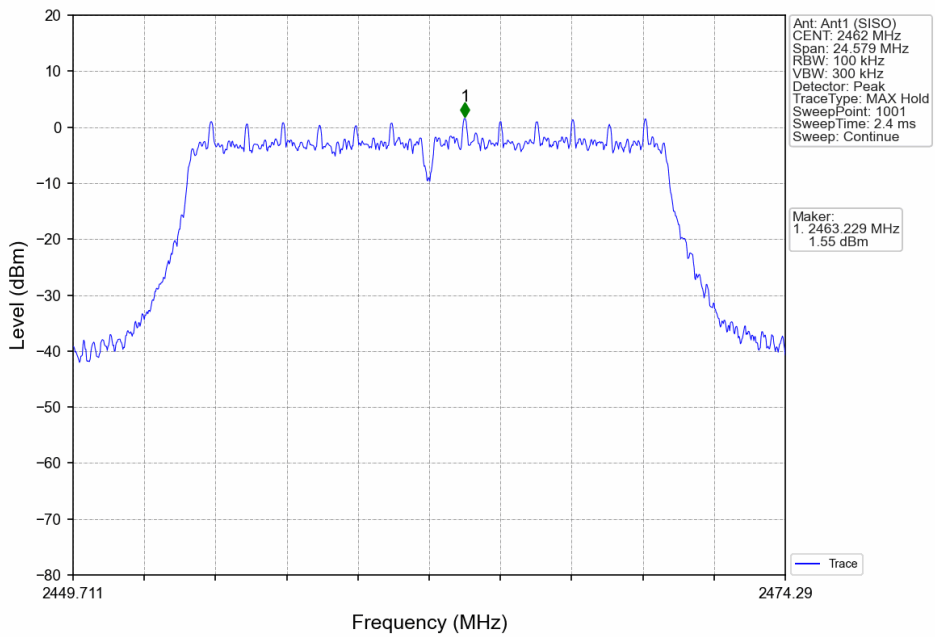
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



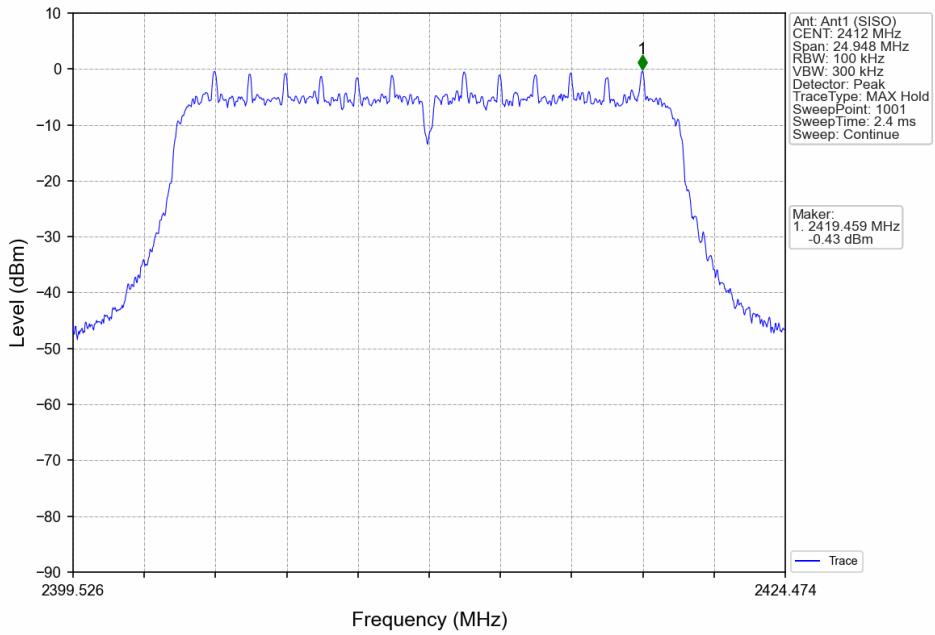
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



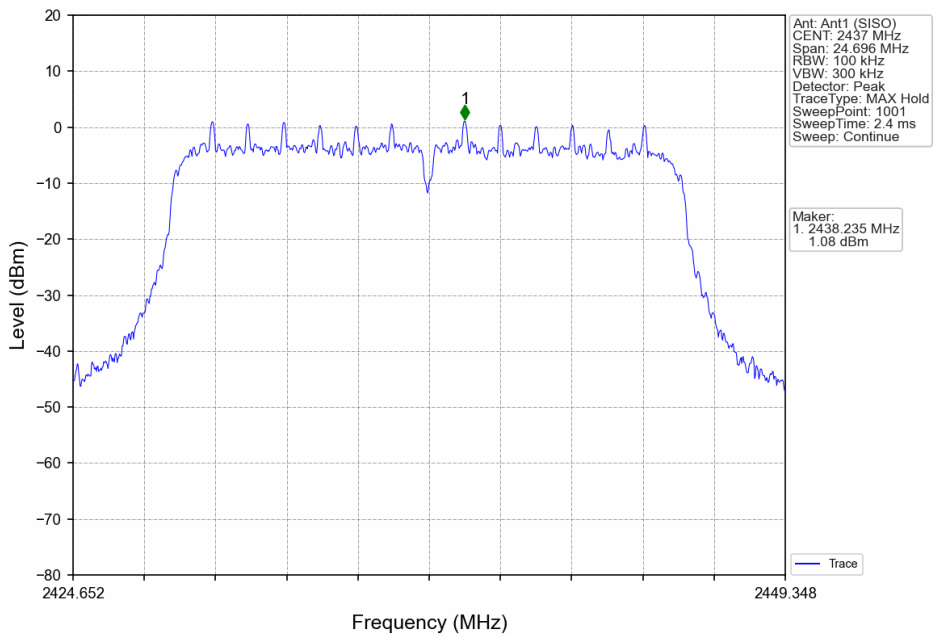
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



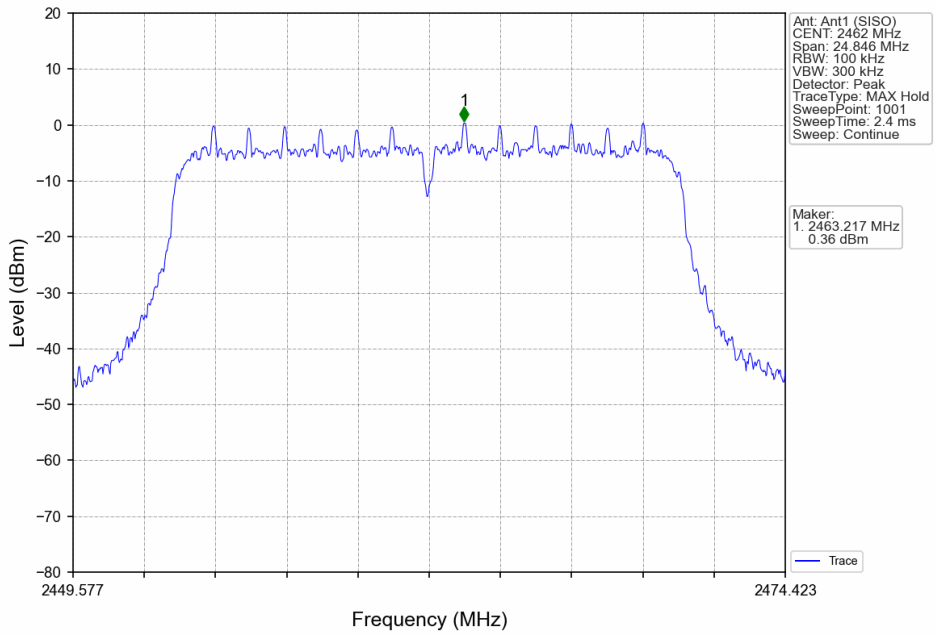
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



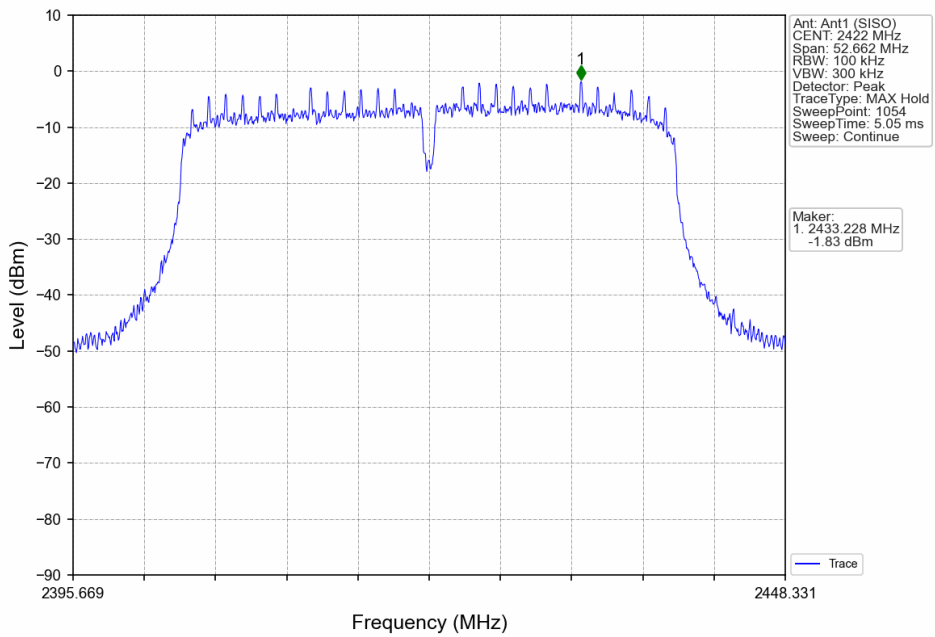
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



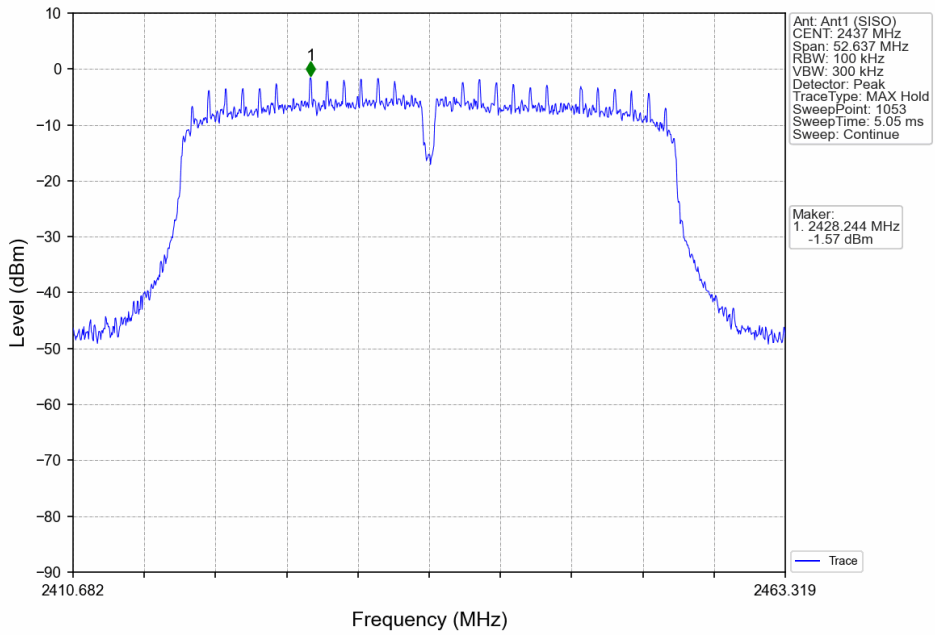
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



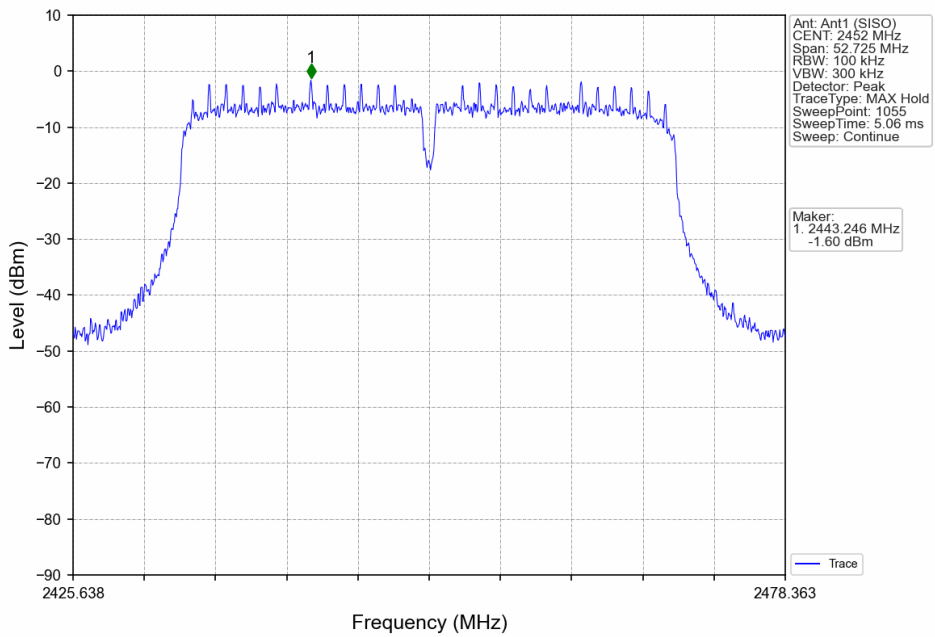
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



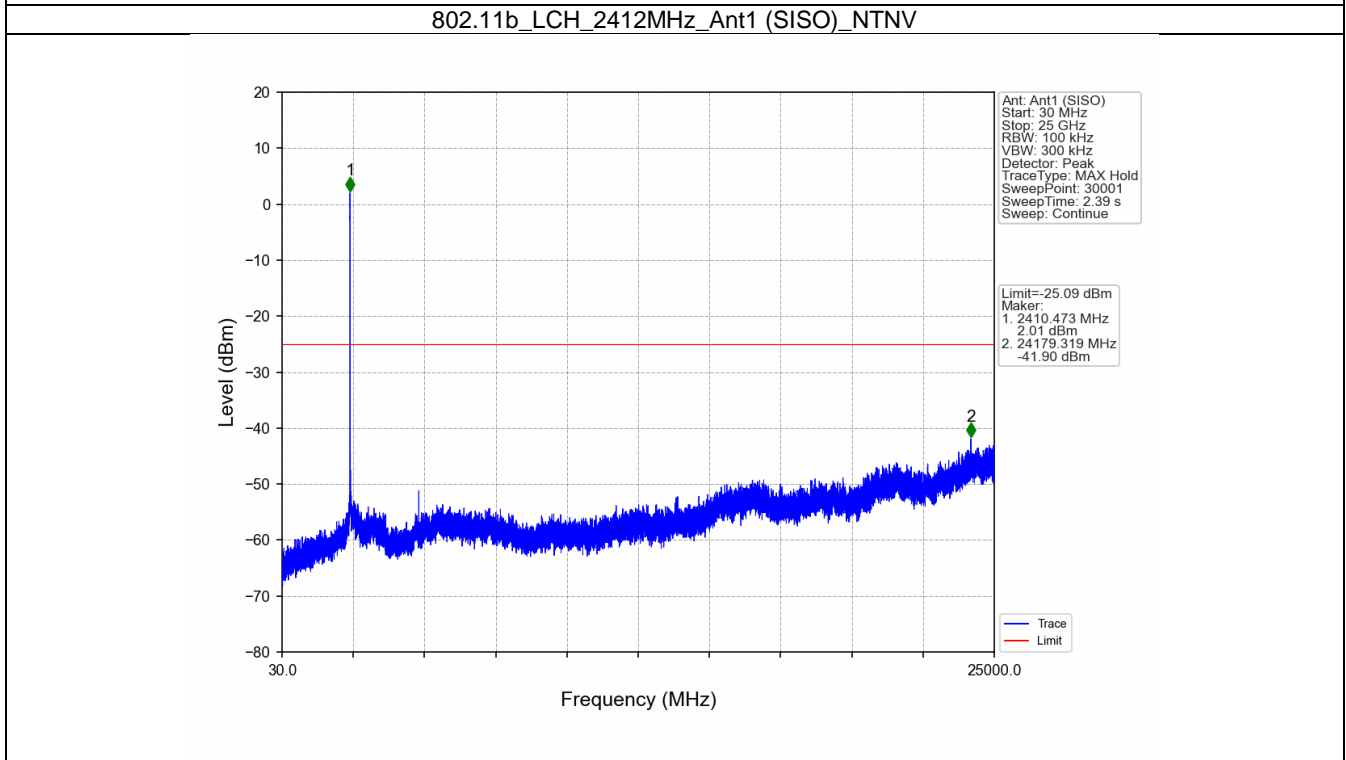
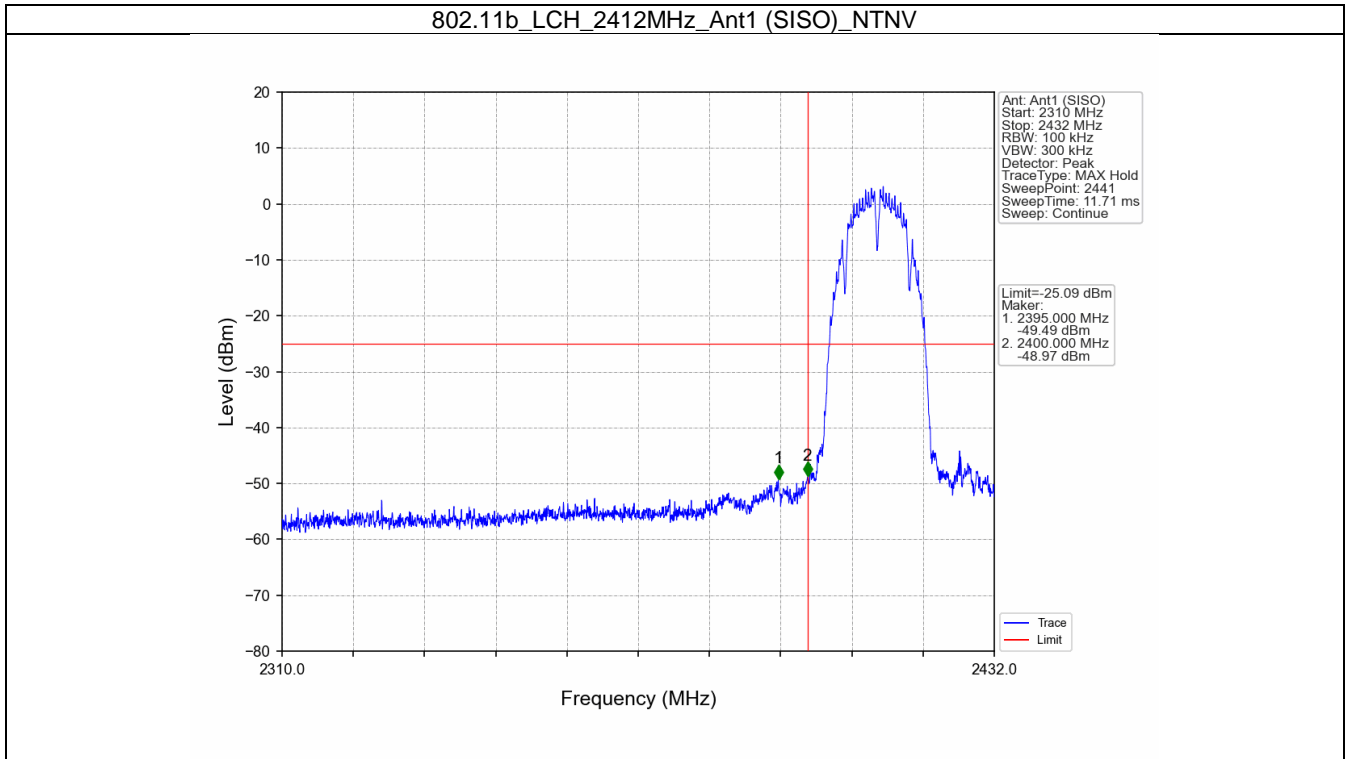
4.2 CSE

4.2.1 Test Result

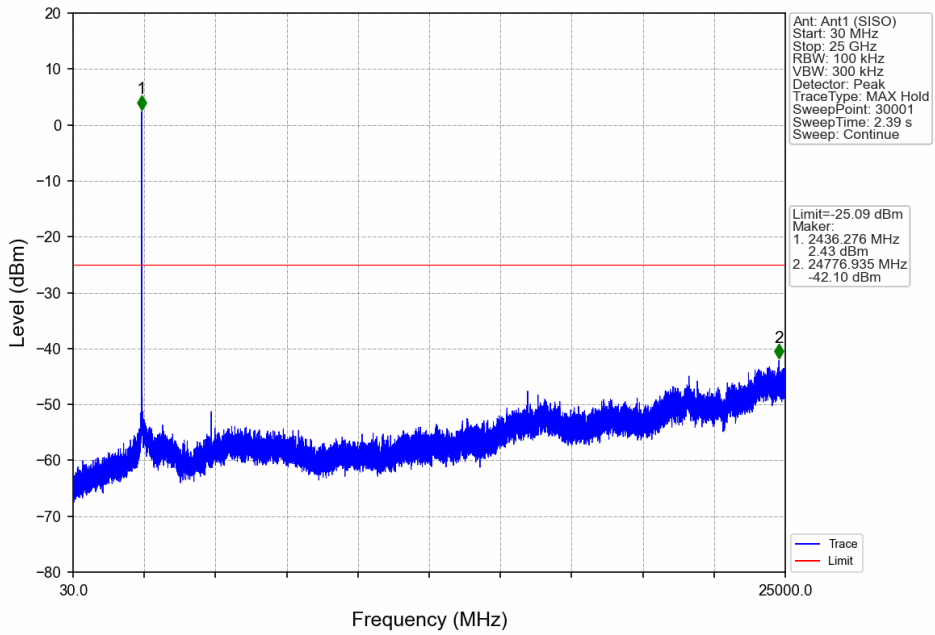
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.91	-25.09	Pass
		2437	1	4.91	-25.09	Pass
		2462	1	4.91	-25.09	Pass
802.11g	SISO	2412	1	2.34	-27.66	Pass
		2437	1	2.34	-27.66	Pass
		2462	1	2.34	-27.66	Pass
802.11n (HT20)	SISO	2412	1	1.08	-28.92	Pass
		2437	1	1.08	-28.92	Pass
		2462	1	1.08	-28.92	Pass
802.11n (HT40)	SISO	2422	1	-1.57	-31.57	Pass
		2437	1	-1.57	-31.57	Pass
		2452	1	-1.57	-31.57	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.

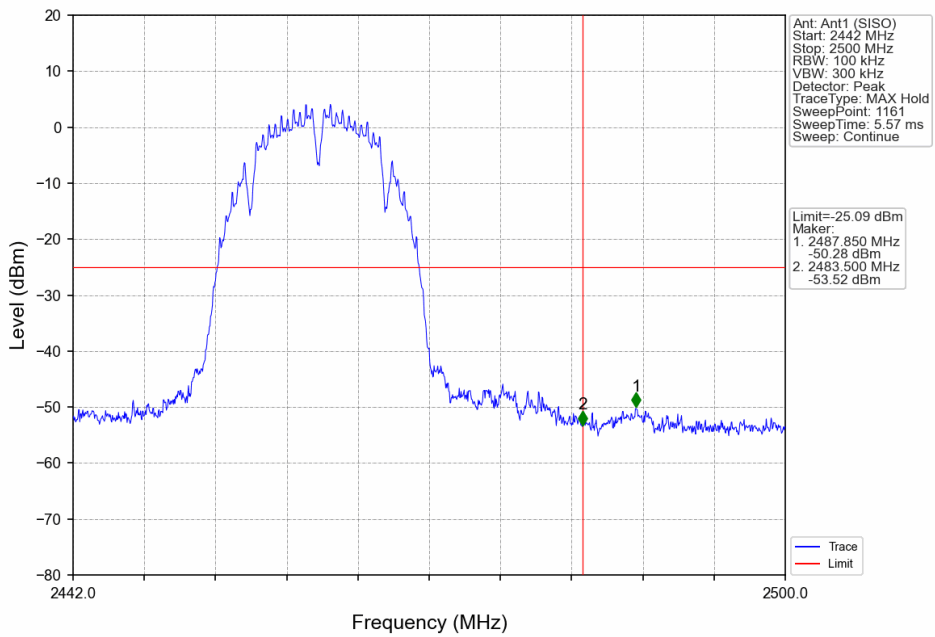
4.2.2 Test Graph



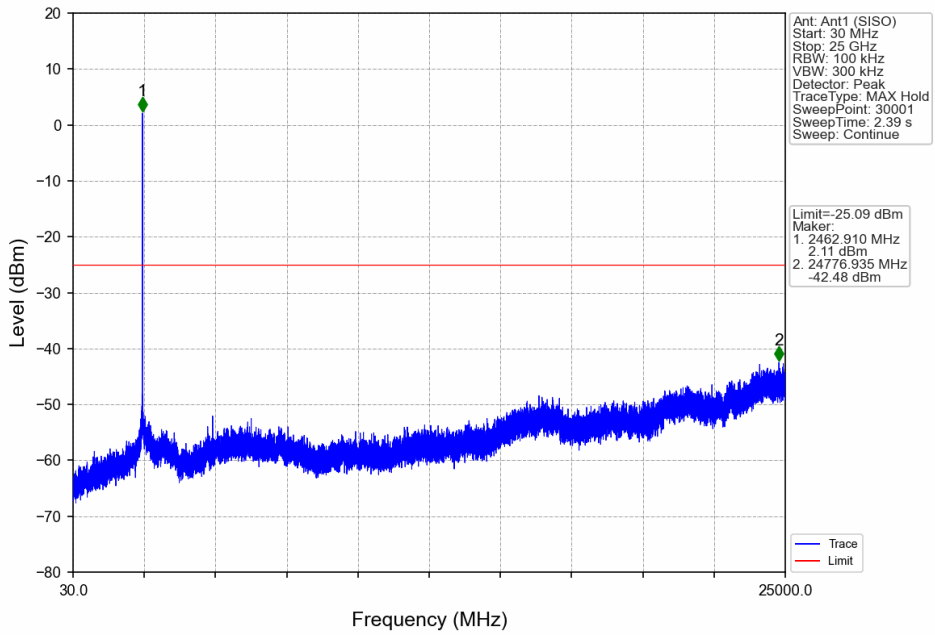
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



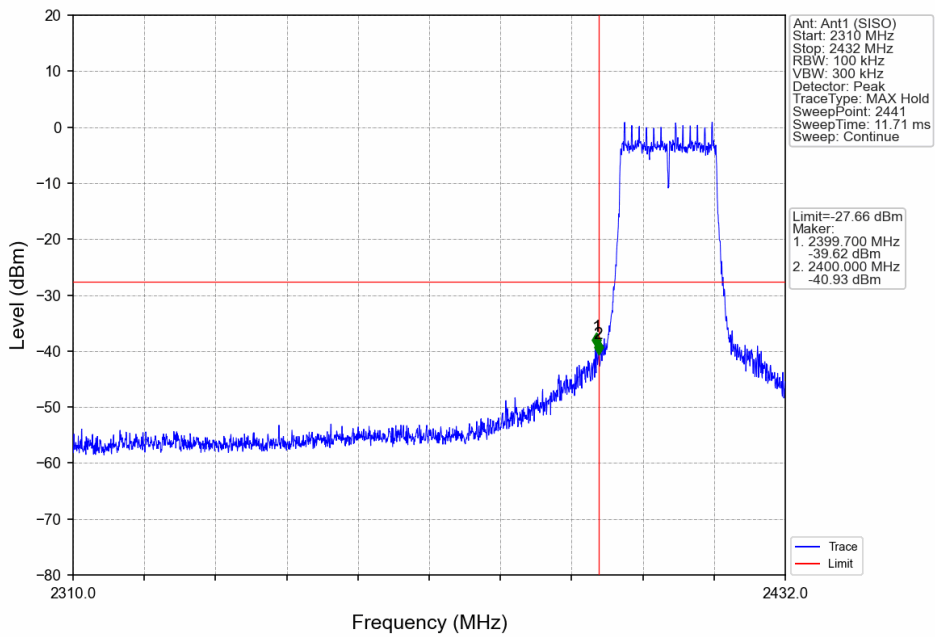
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



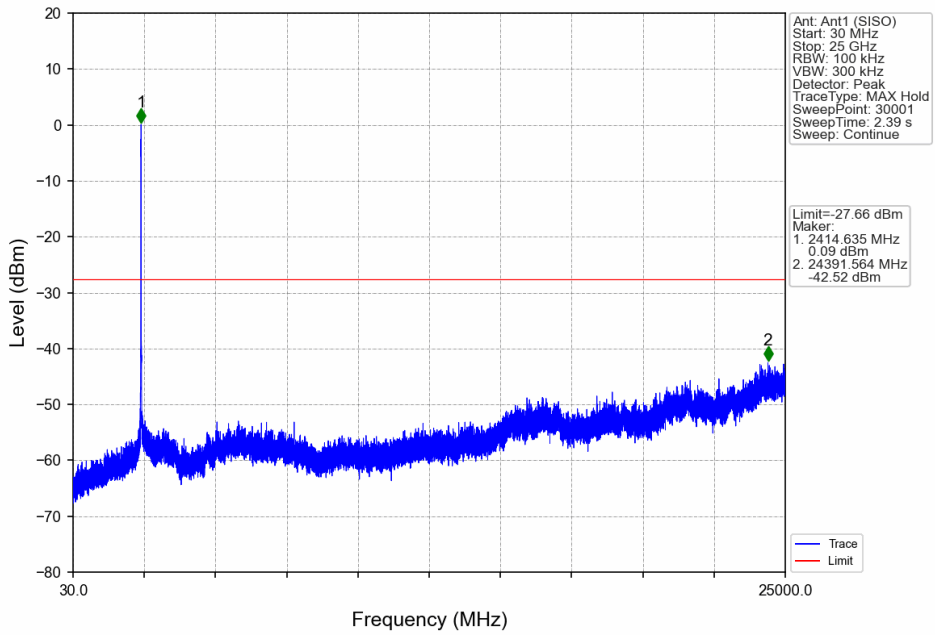
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



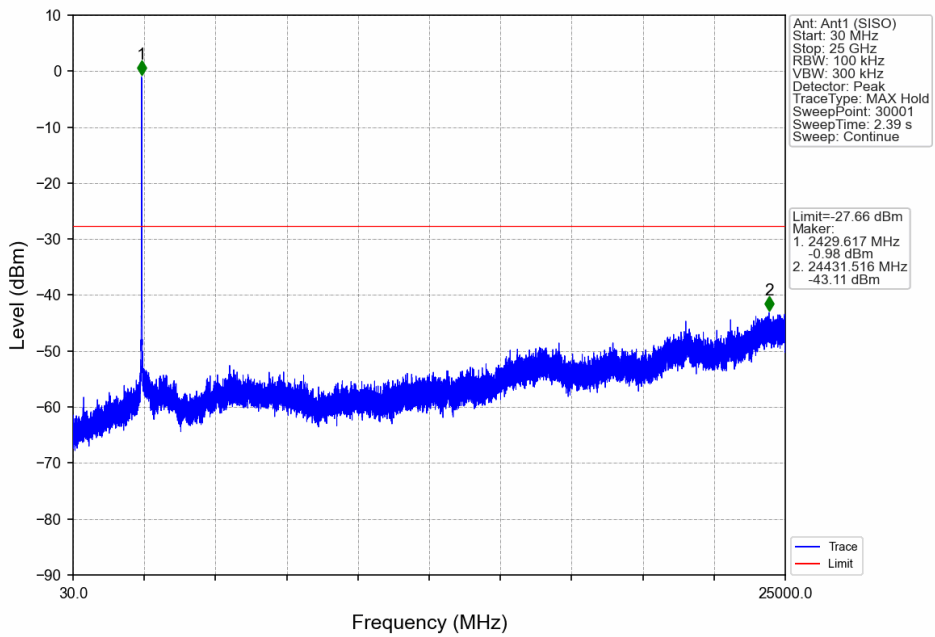
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



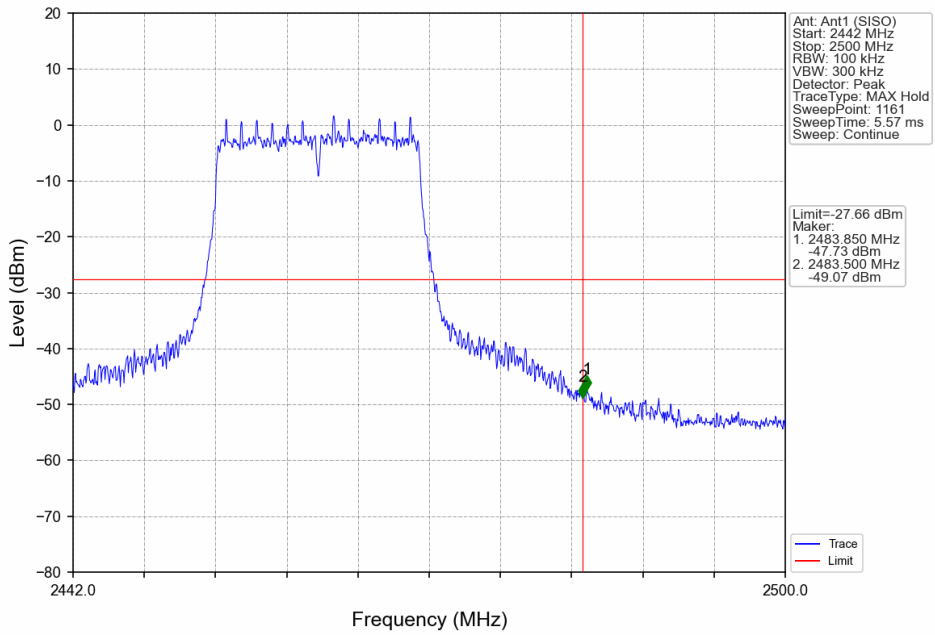
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



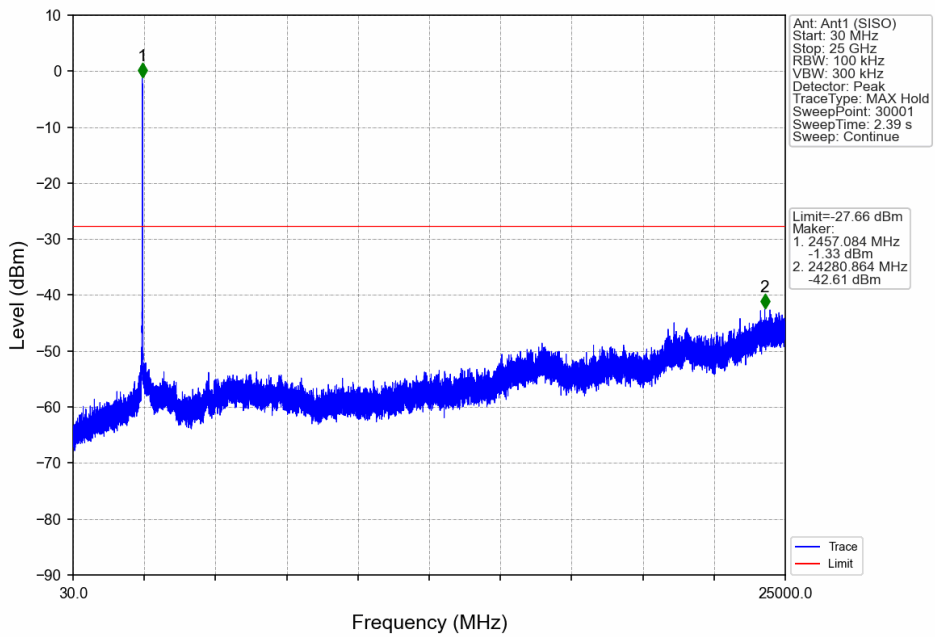
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



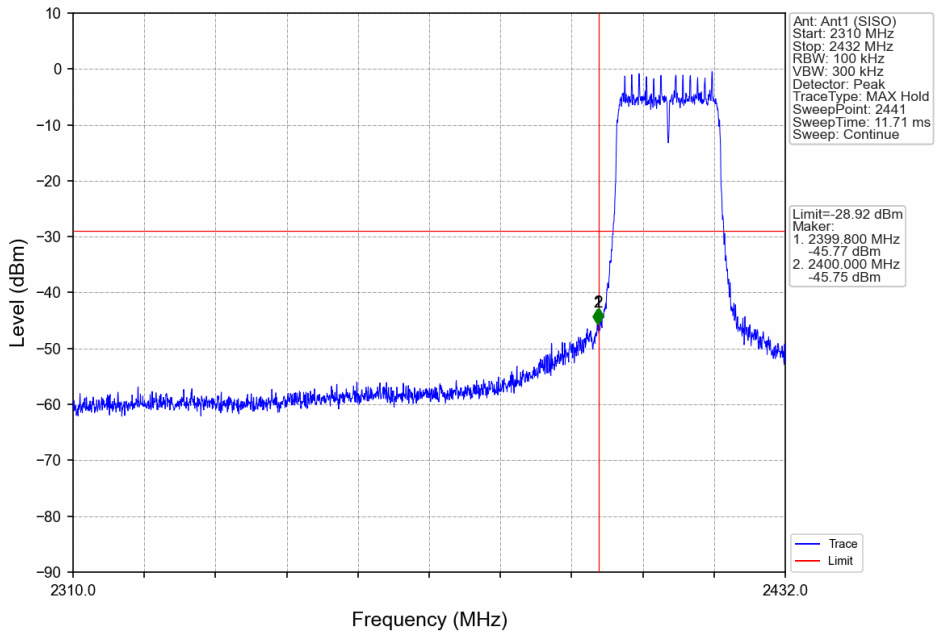
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



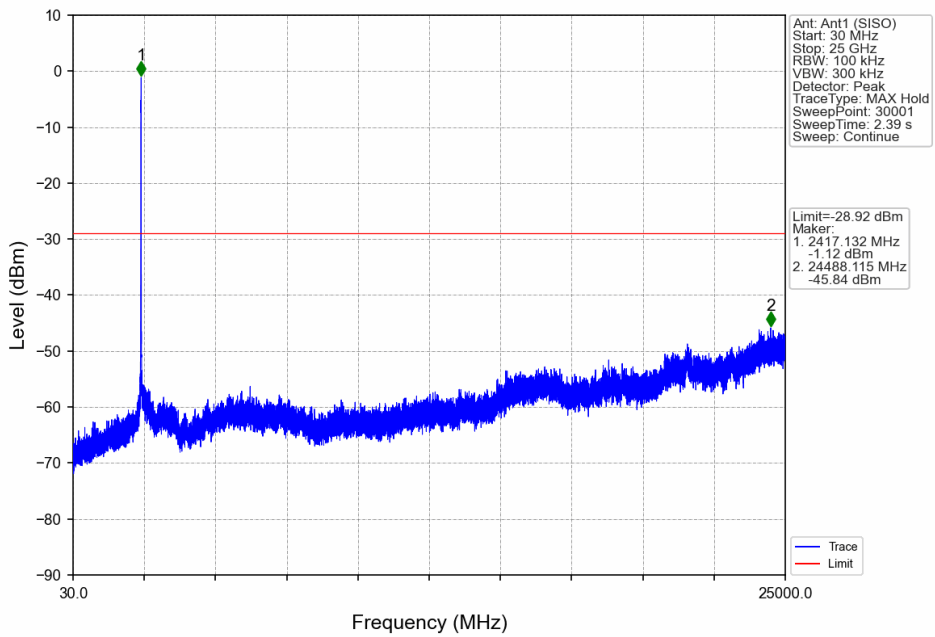
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



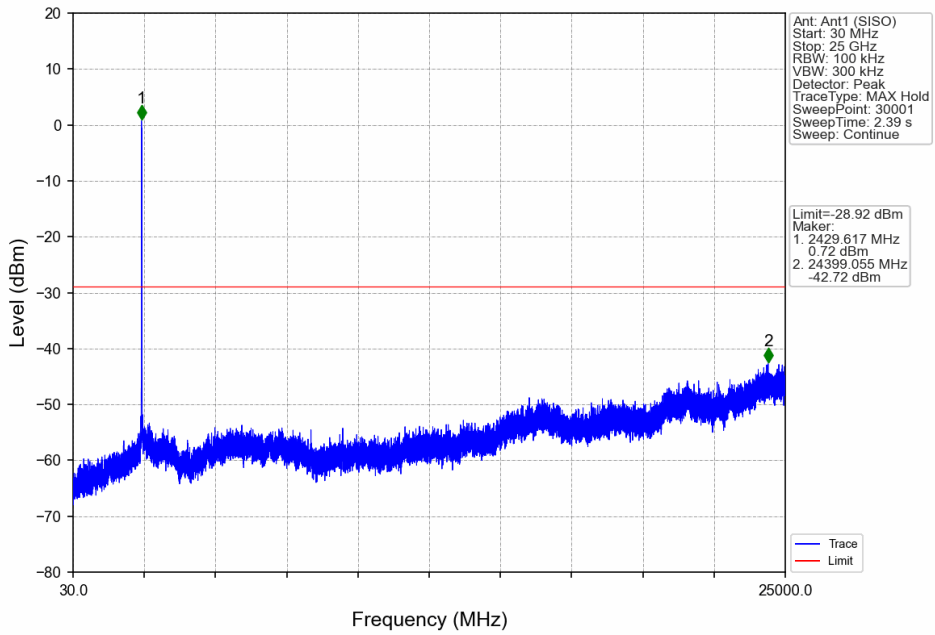
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



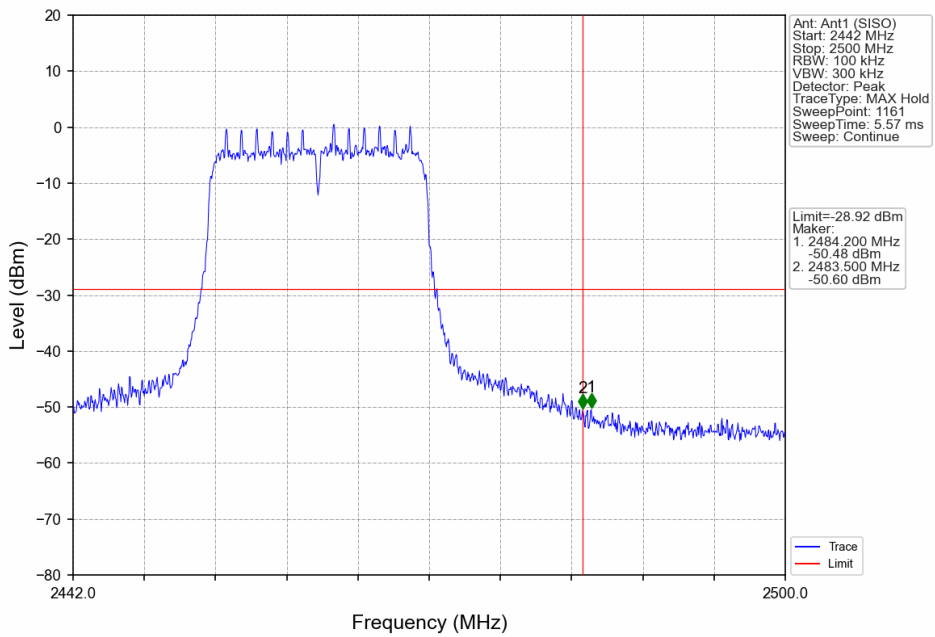
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



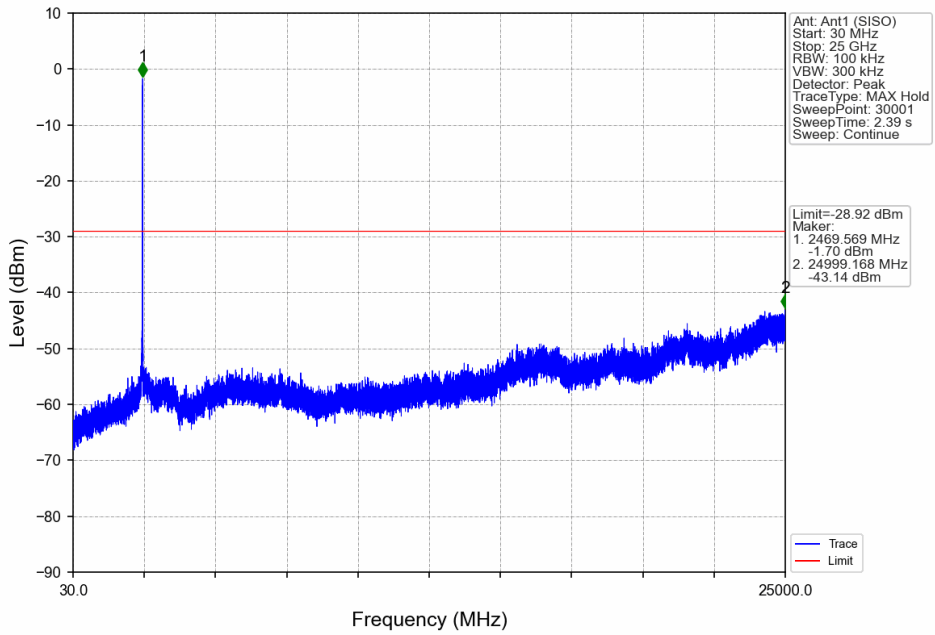
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



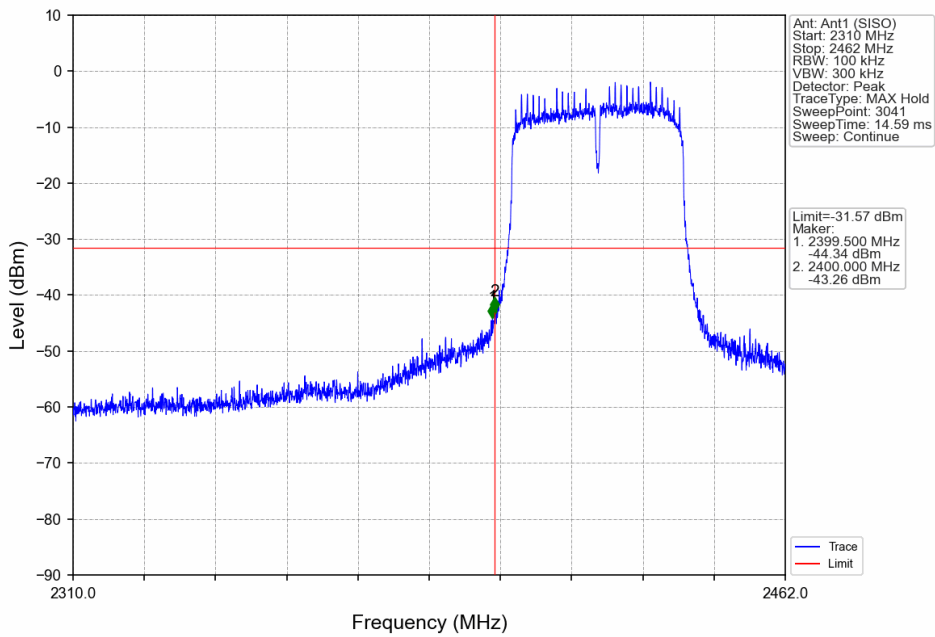
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



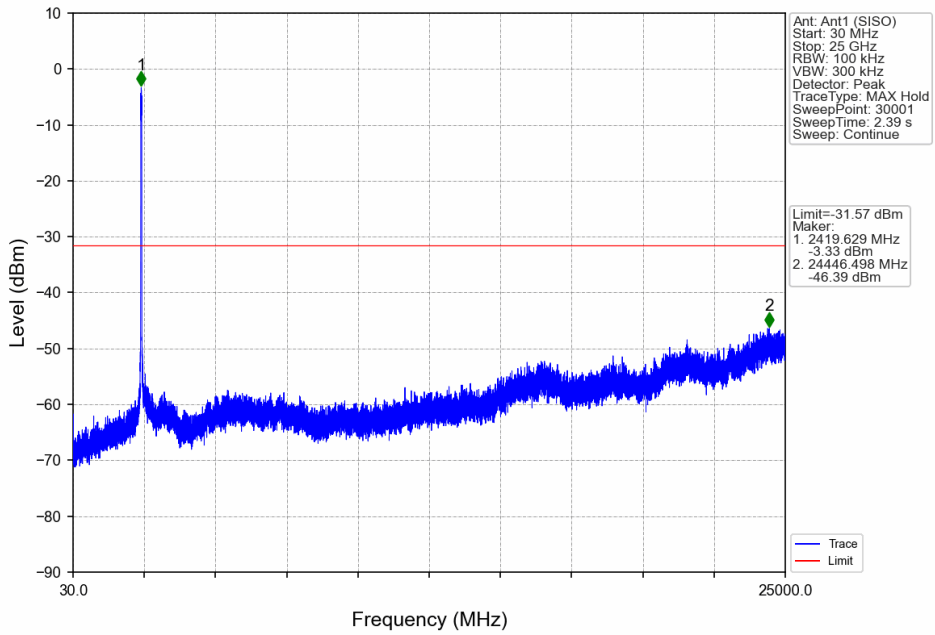
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



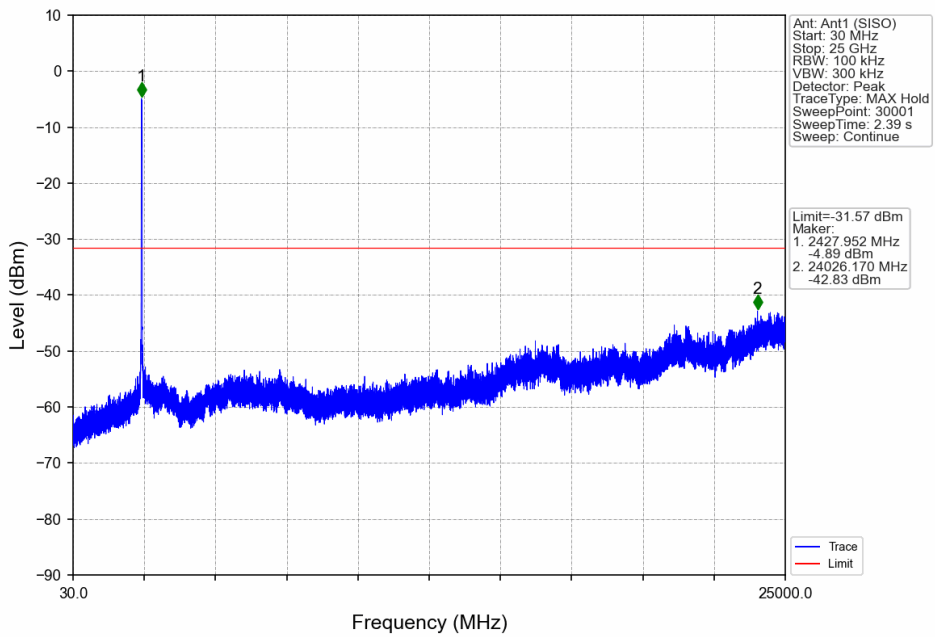
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



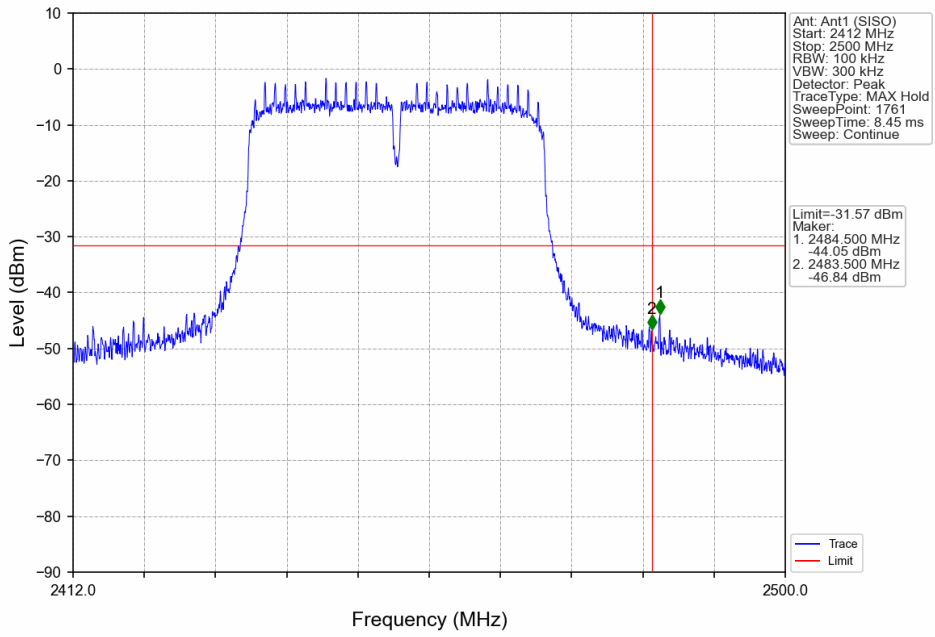
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

