

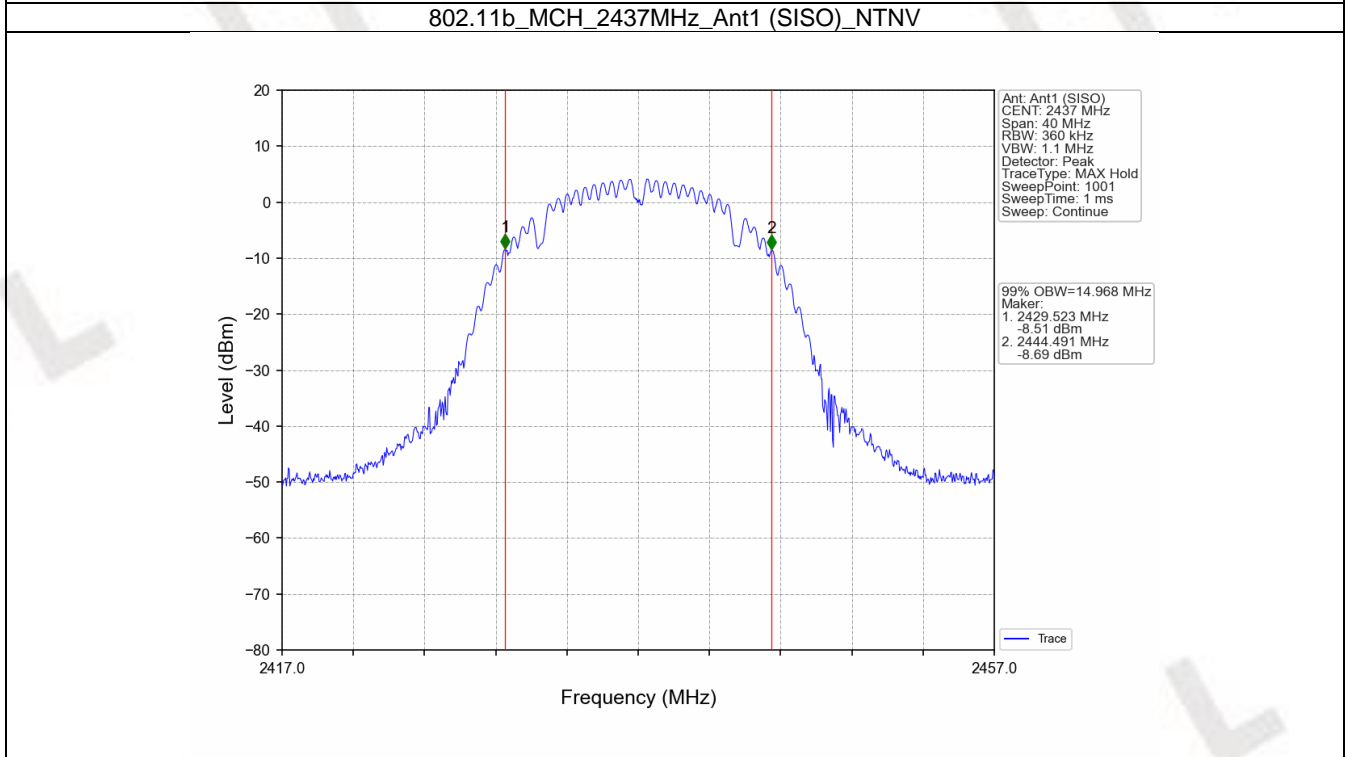
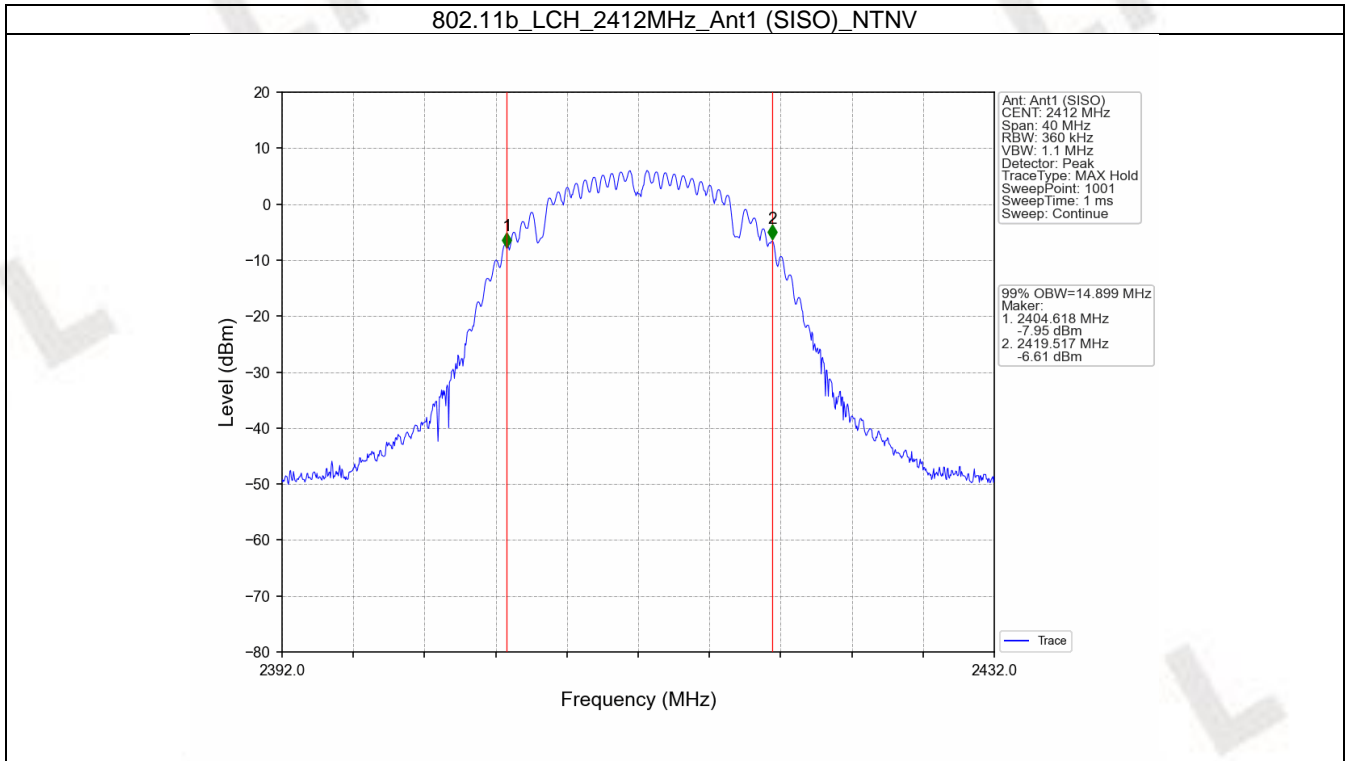
1. Bandwidth

1.1 OBW

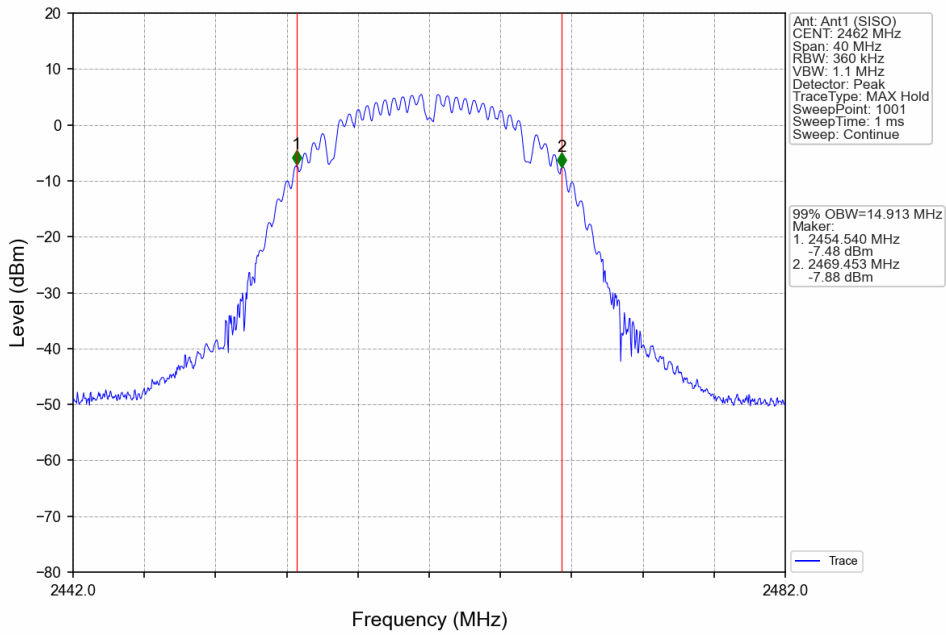
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	14.899	Pass
		2437	1	14.968	Pass
		2462	1	14.913	Pass
802.11g	SISO	2412	1	17.358	Pass
		2437	1	17.495	Pass
		2462	1	17.451	Pass
802.11n (HT20)	SISO	2412	1	18.442	Pass
		2437	1	18.490	Pass
		2462	1	18.357	Pass
802.11n (HT40)	SISO	2422	1	37.134	Pass
		2437	1	36.744	Pass
		2452	1	36.476	Pass

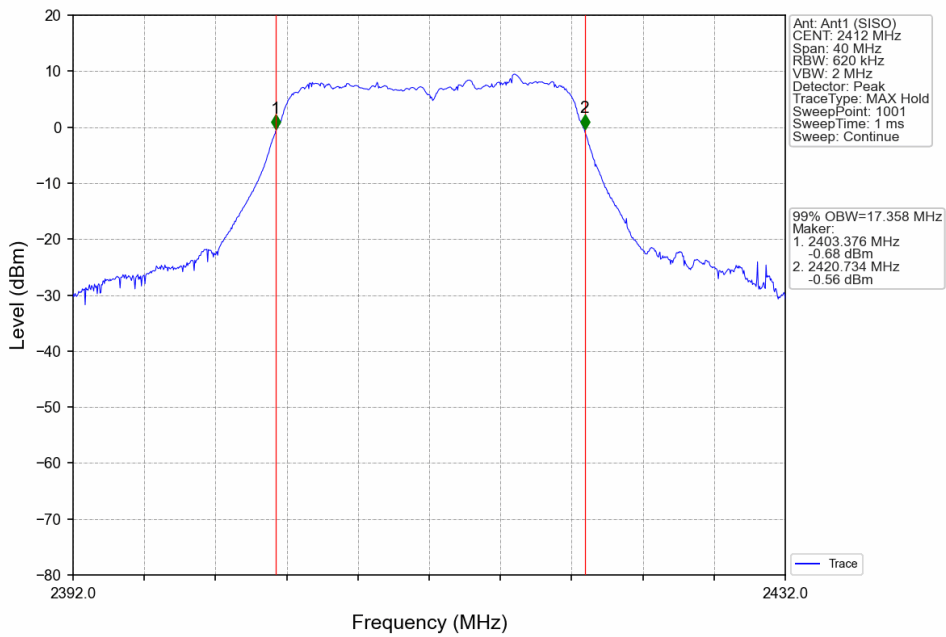
1.1.2 Test Graph



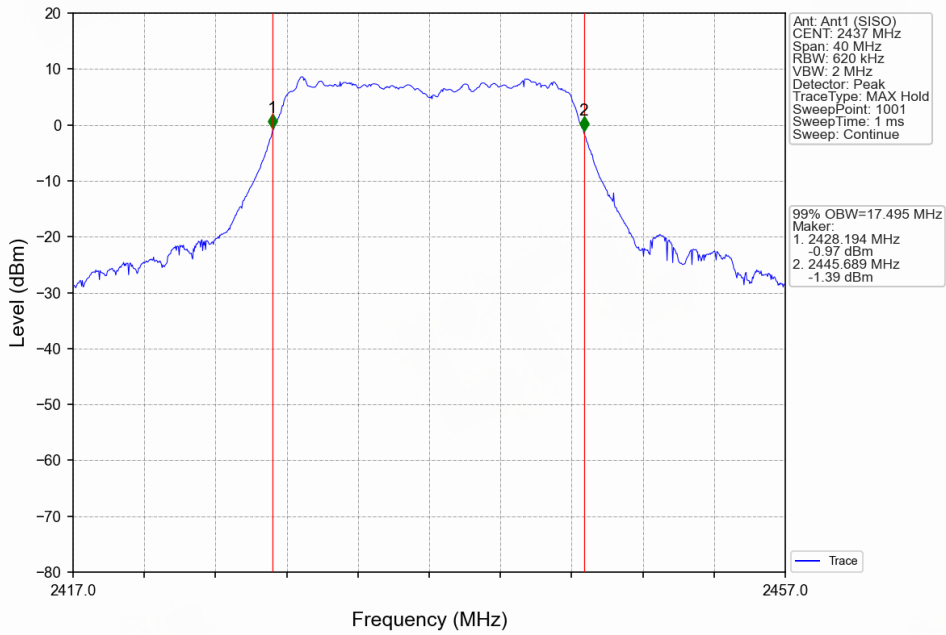
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



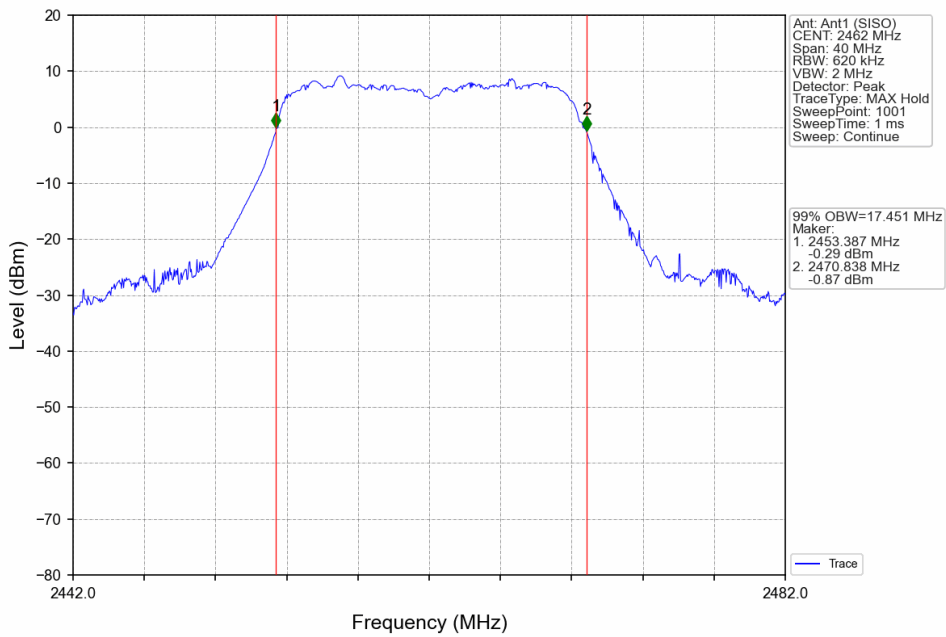
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



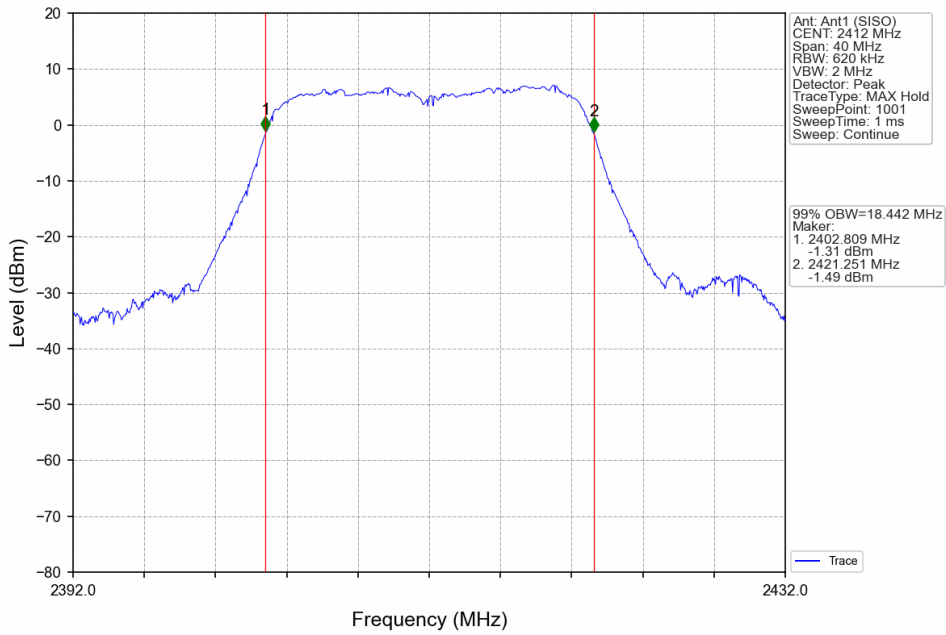
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



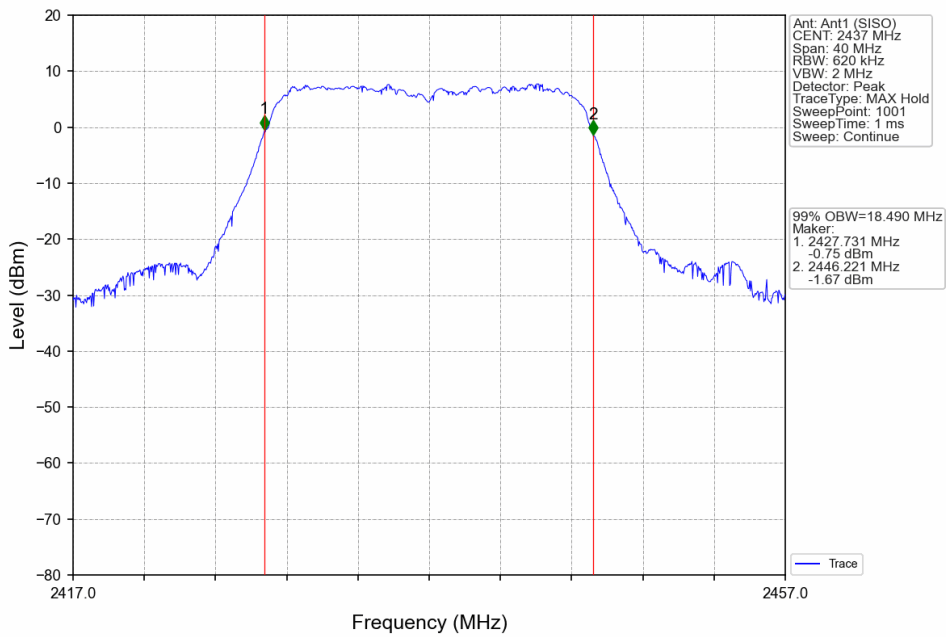
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



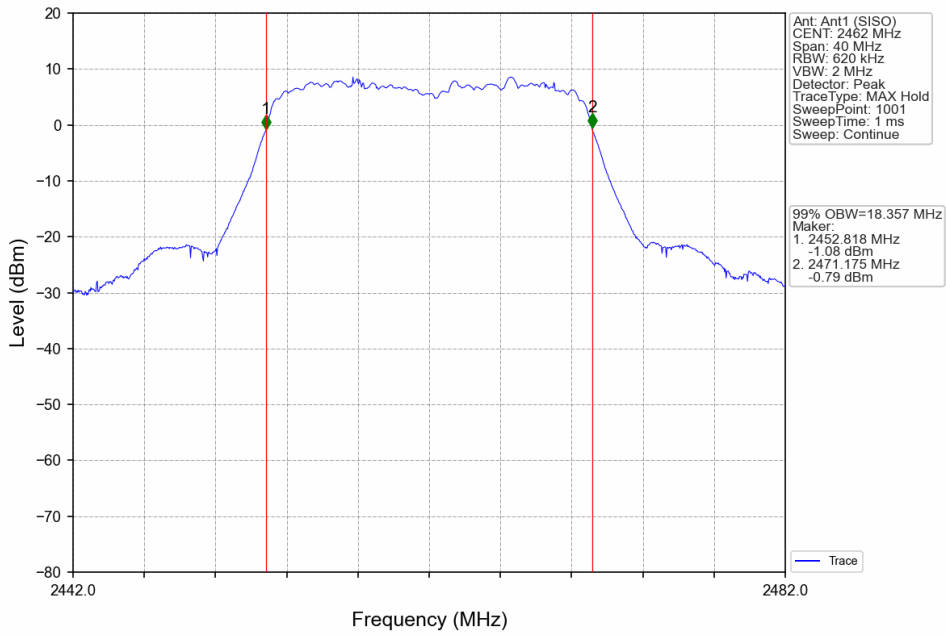
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



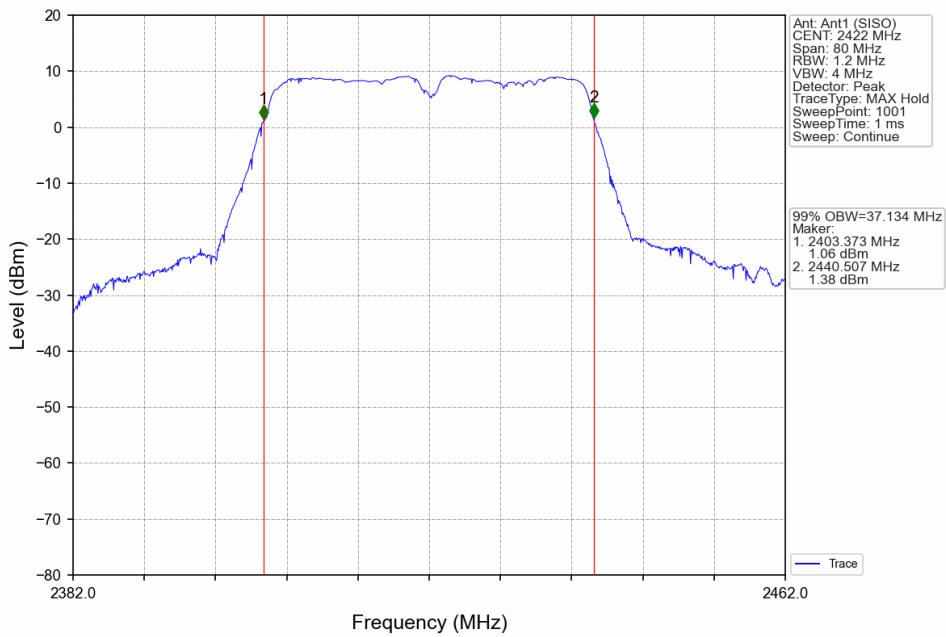
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



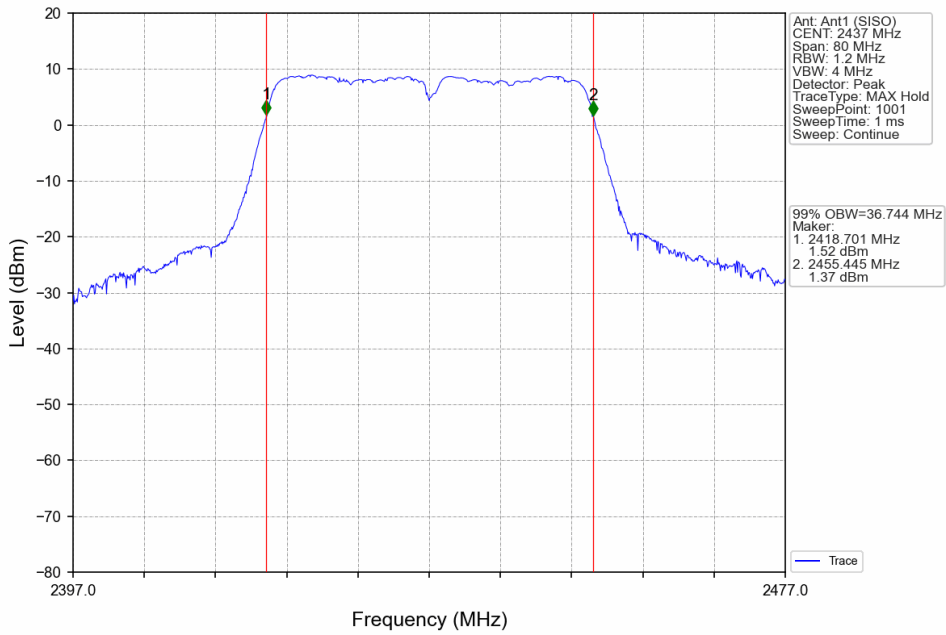
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



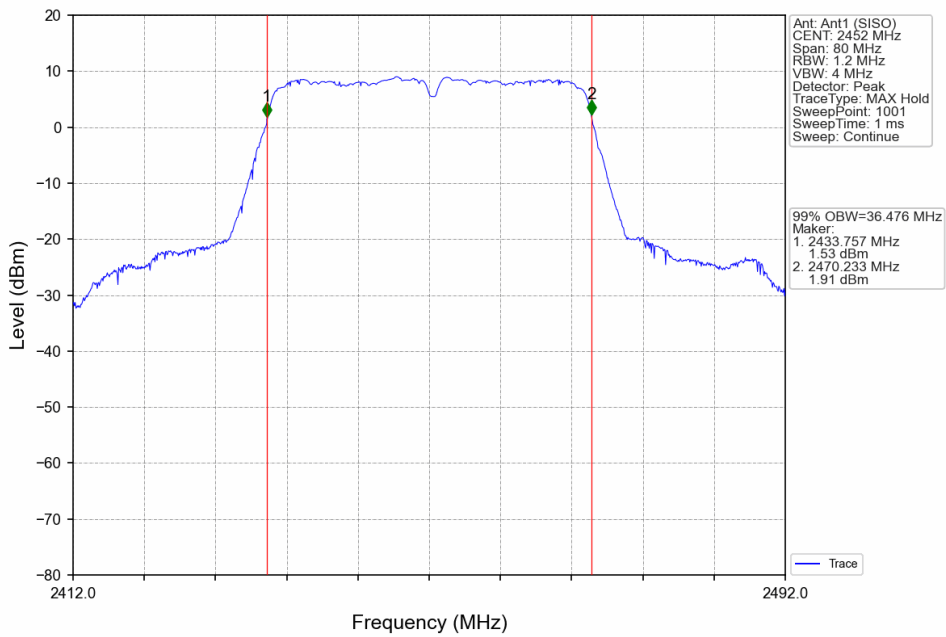
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

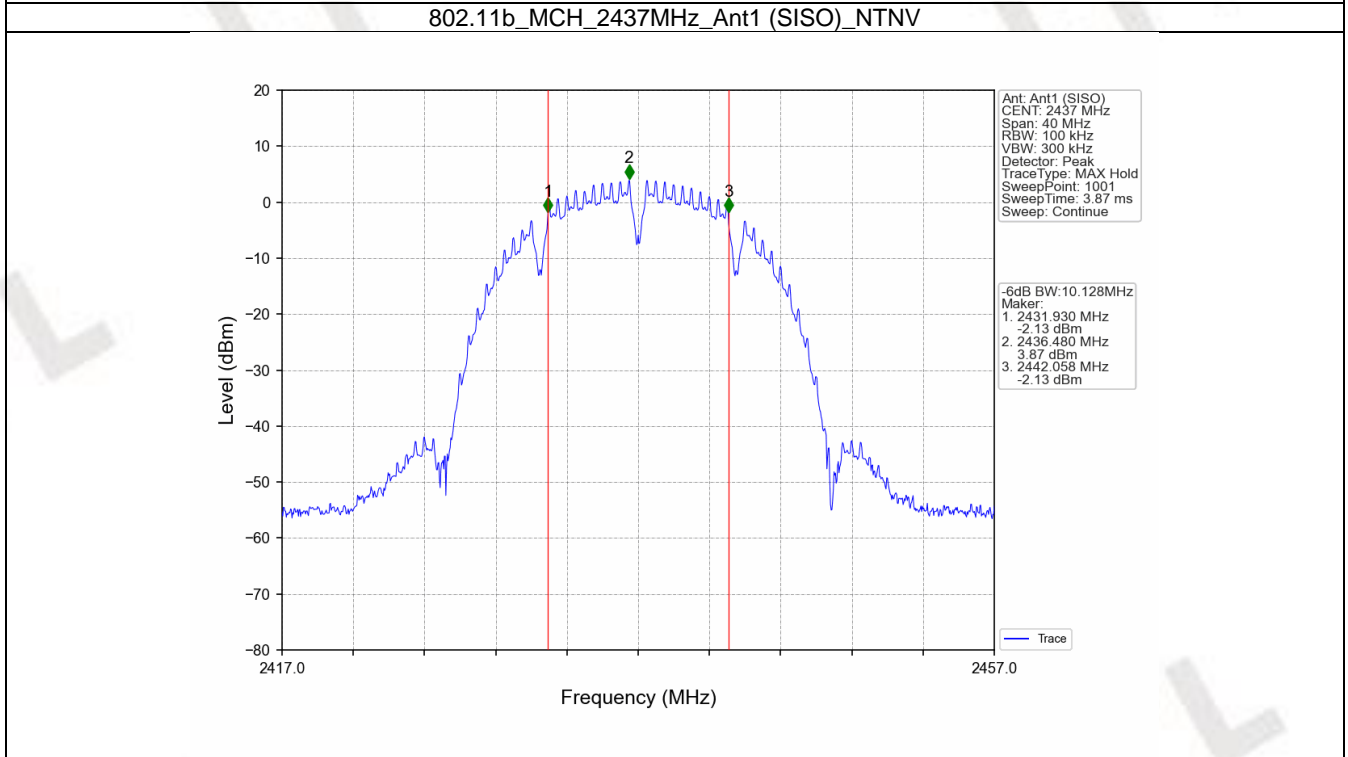
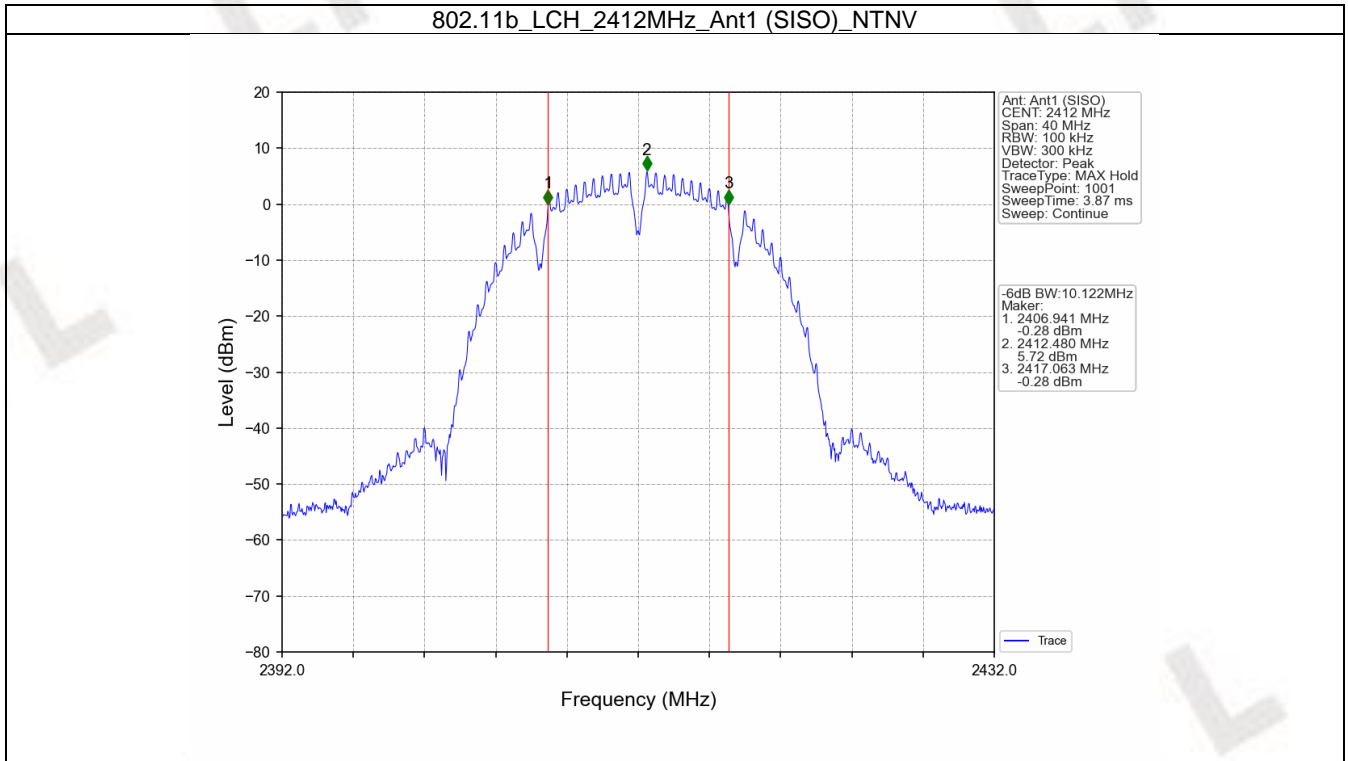


1.2 6dB BW

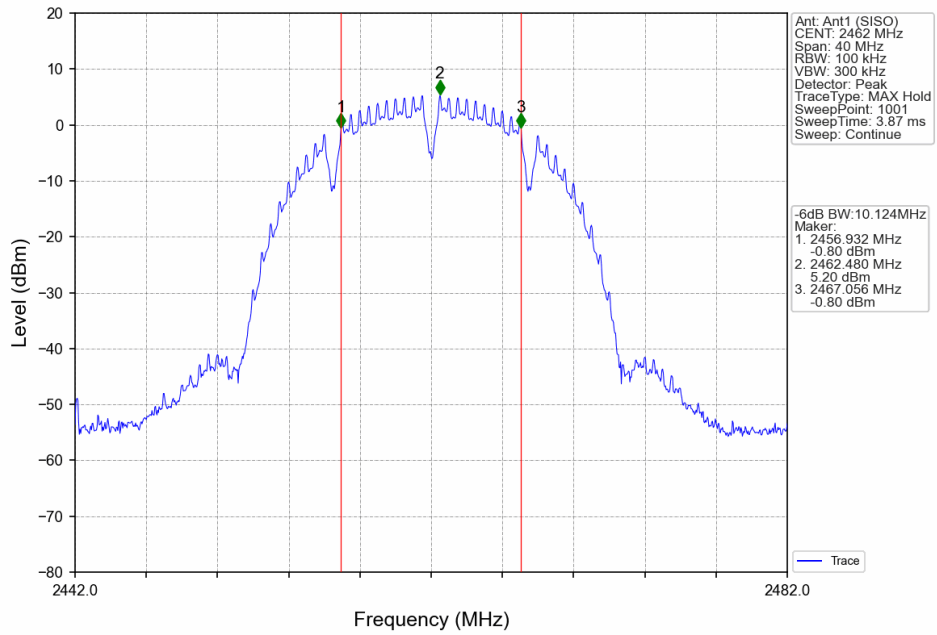
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.122	>=0.5	Pass
		2437	1	10.128	>=0.5	Pass
		2462	1	10.124	>=0.5	Pass
802.11g	SISO	2412	1	16.136	>=0.5	Pass
		2437	1	16.367	>=0.5	Pass
		2462	1	16.352	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	17.091	>=0.5	Pass
		2437	1	17.065	>=0.5	Pass
		2462	1	16.953	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	36.003	>=0.5	Pass
		2437	1	35.663	>=0.5	Pass
		2452	1	35.205	>=0.5	Pass

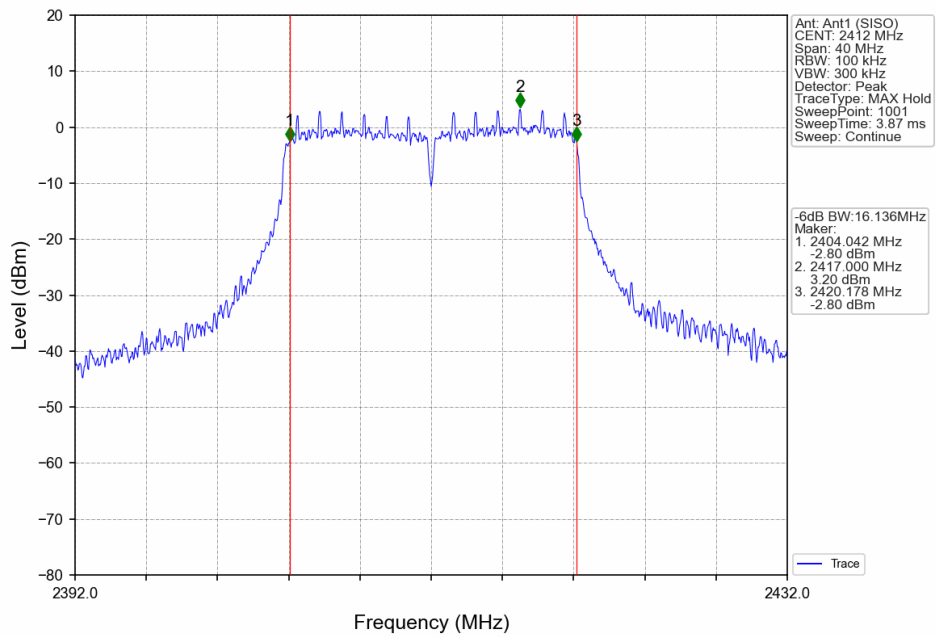
1.2.2 Test Graph

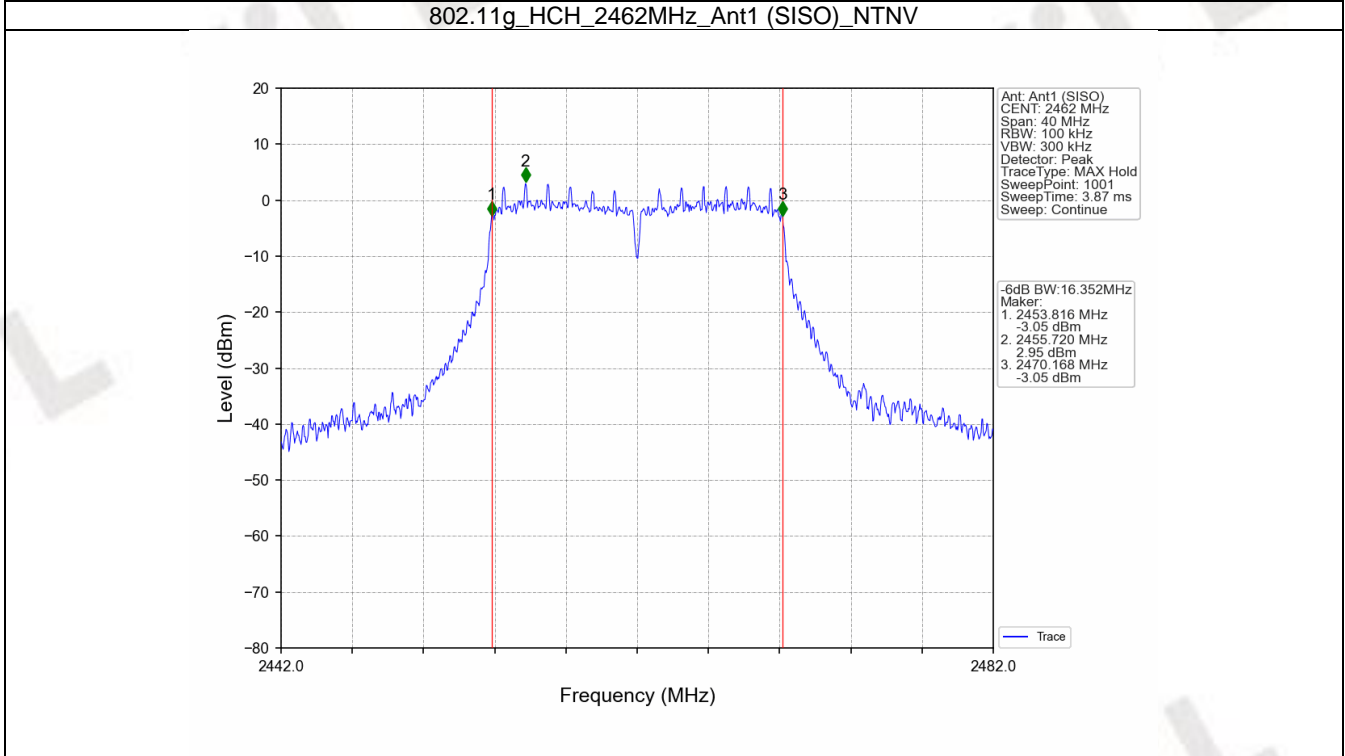
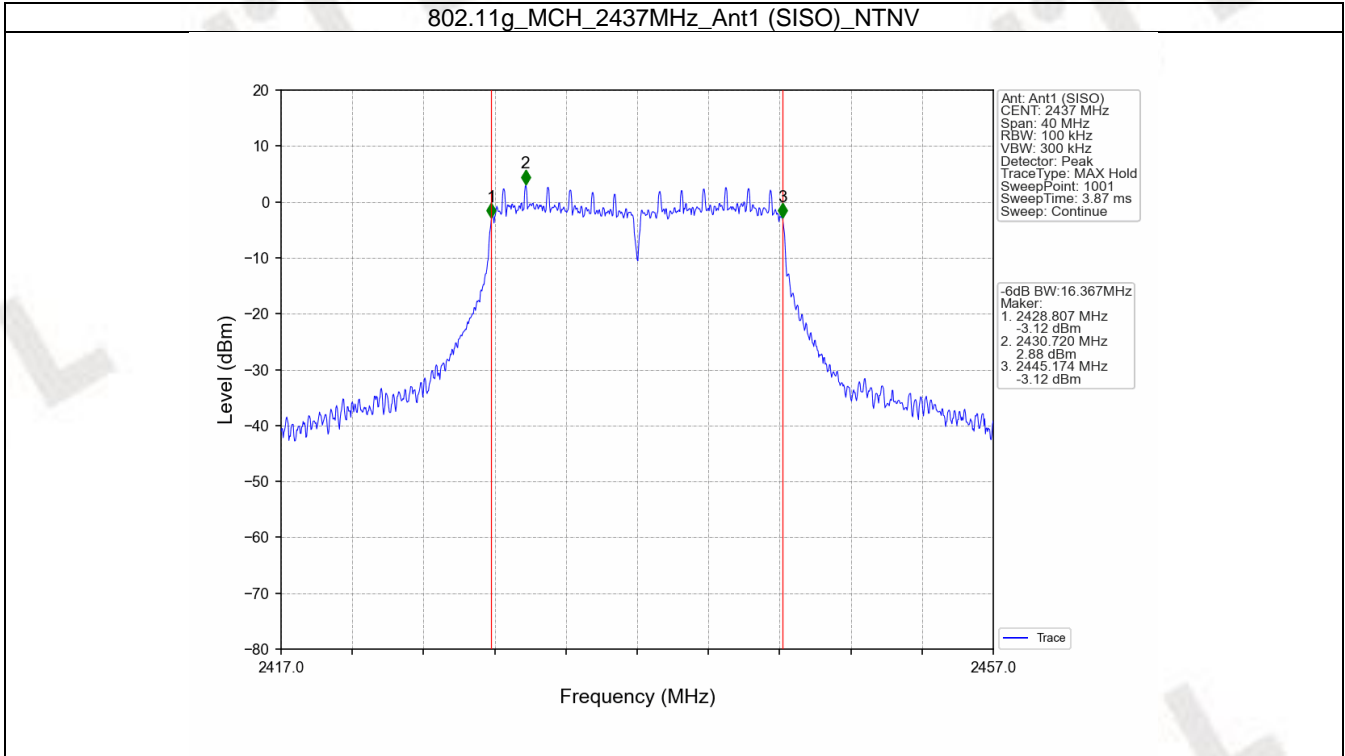


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

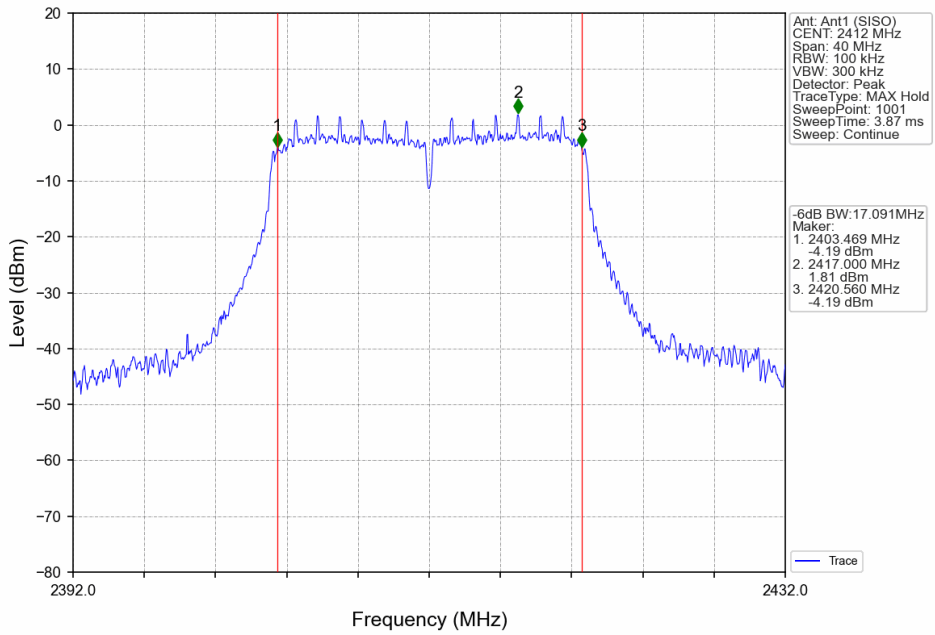


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

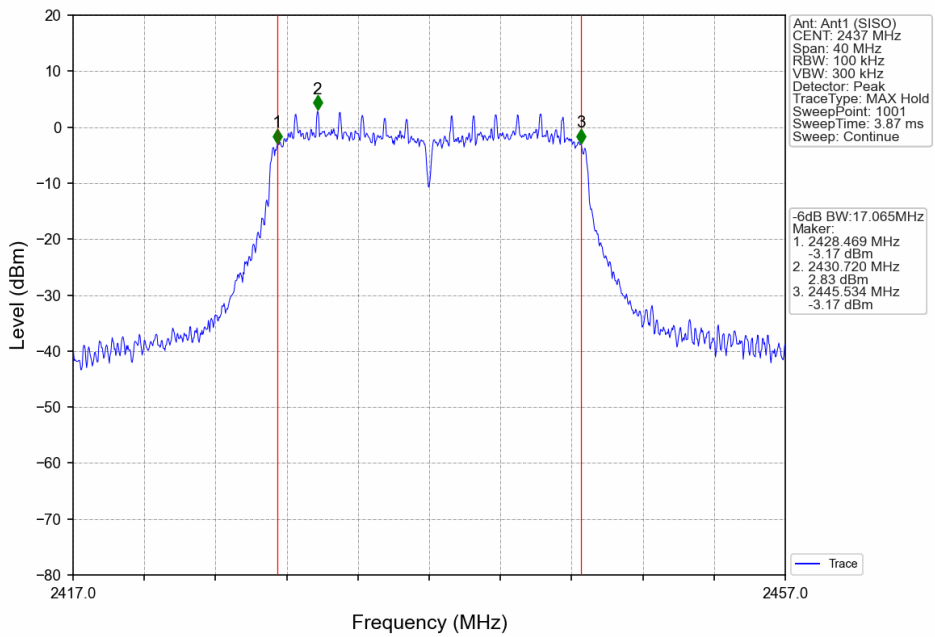




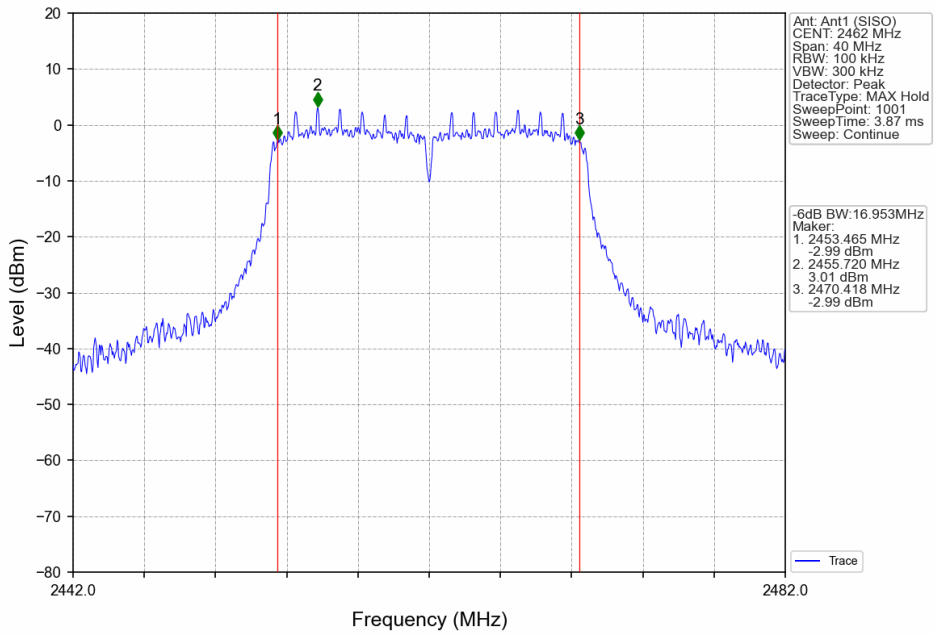
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



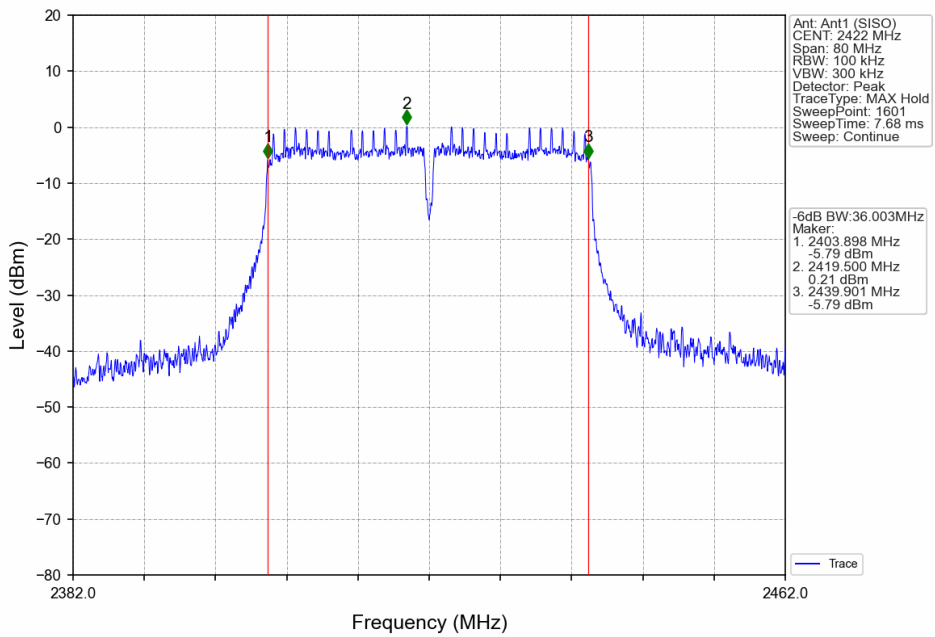
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



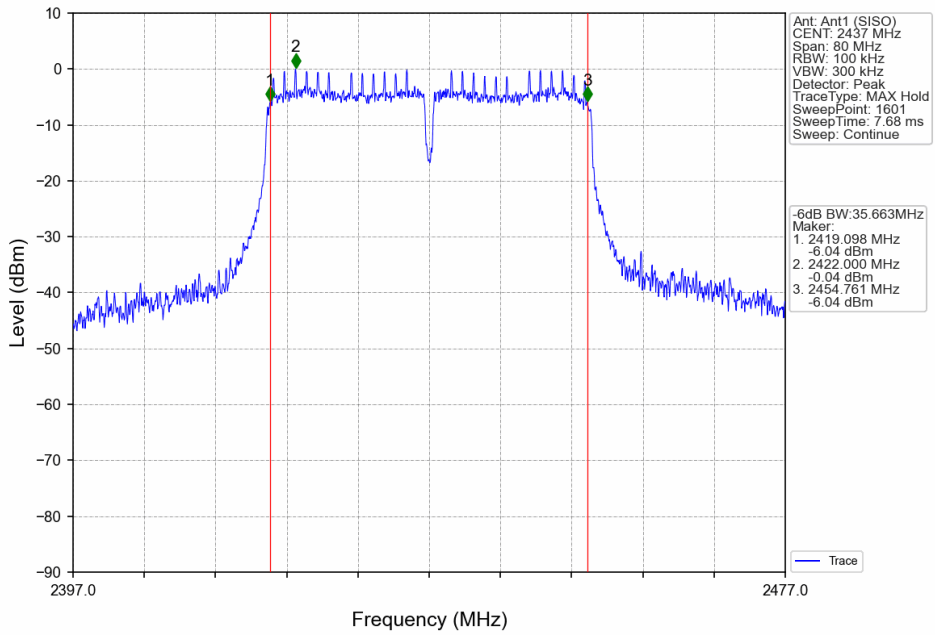
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



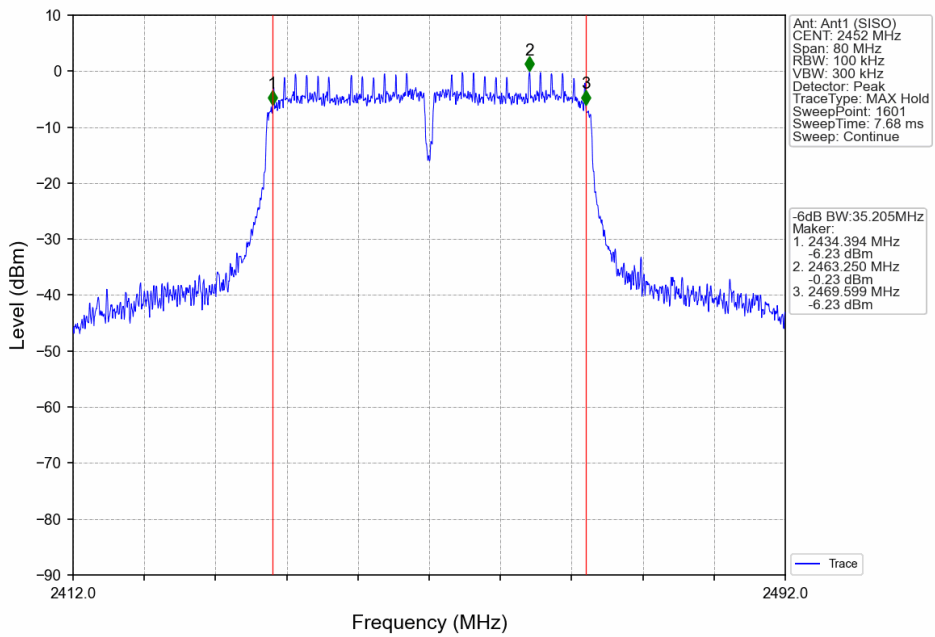
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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	14.65	<=30	Pass
		2437	12.88	<=30	Pass
		2462	14.56	<=30	Pass
802.11g	SISO	2412	14.10	<=30	Pass
		2437	13.76	<=30	Pass
		2462	13.91	<=30	Pass
802.11n (HT20)	SISO	2412	12.95	<=30	Pass
		2437	13.68	<=30	Pass
		2462	13.81	<=30	Pass
802.11n (HT40)	SISO	2422	14.13	<=30	Pass
		2437	13.97	<=30	Pass
		2452	13.94	<=30	Pass

Note1: Antenna Gain: Ant1: 1.58dBi;

3. Maximum Power Spectral Density

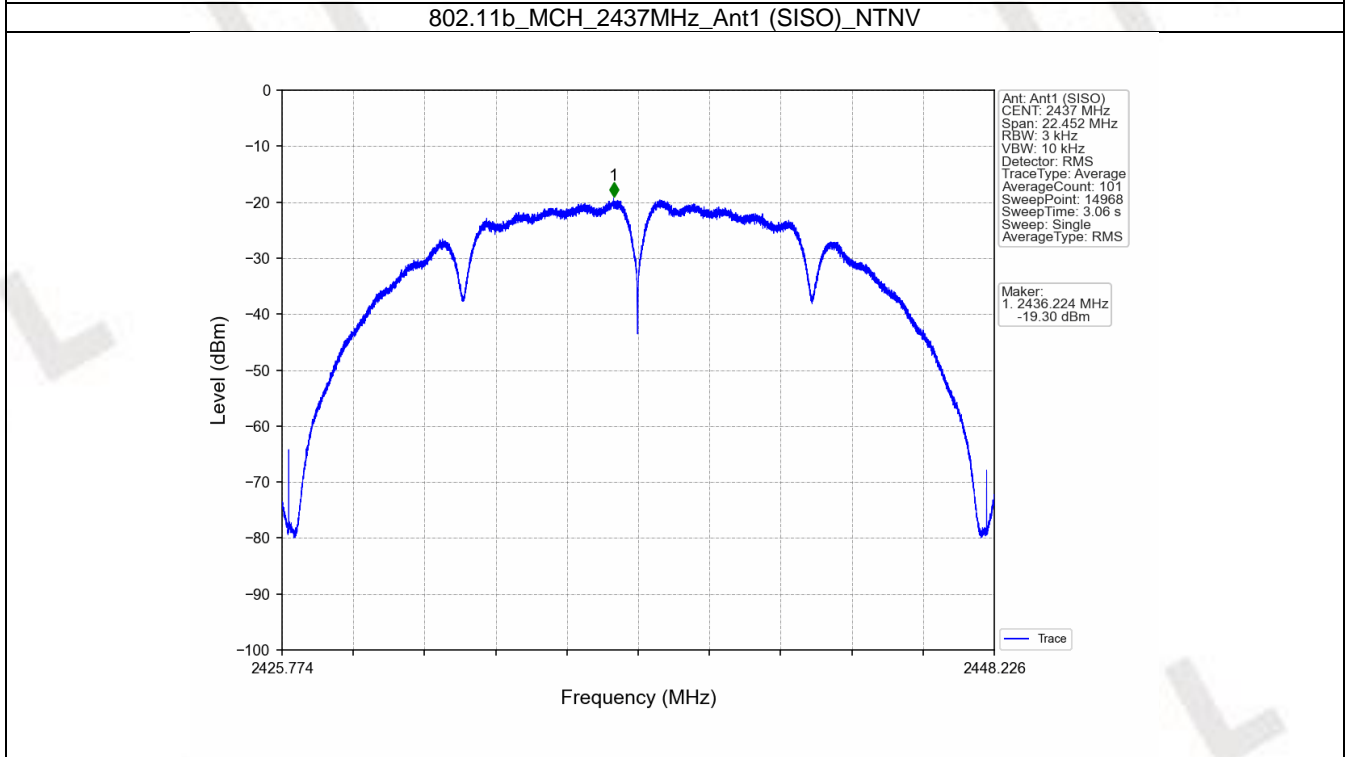
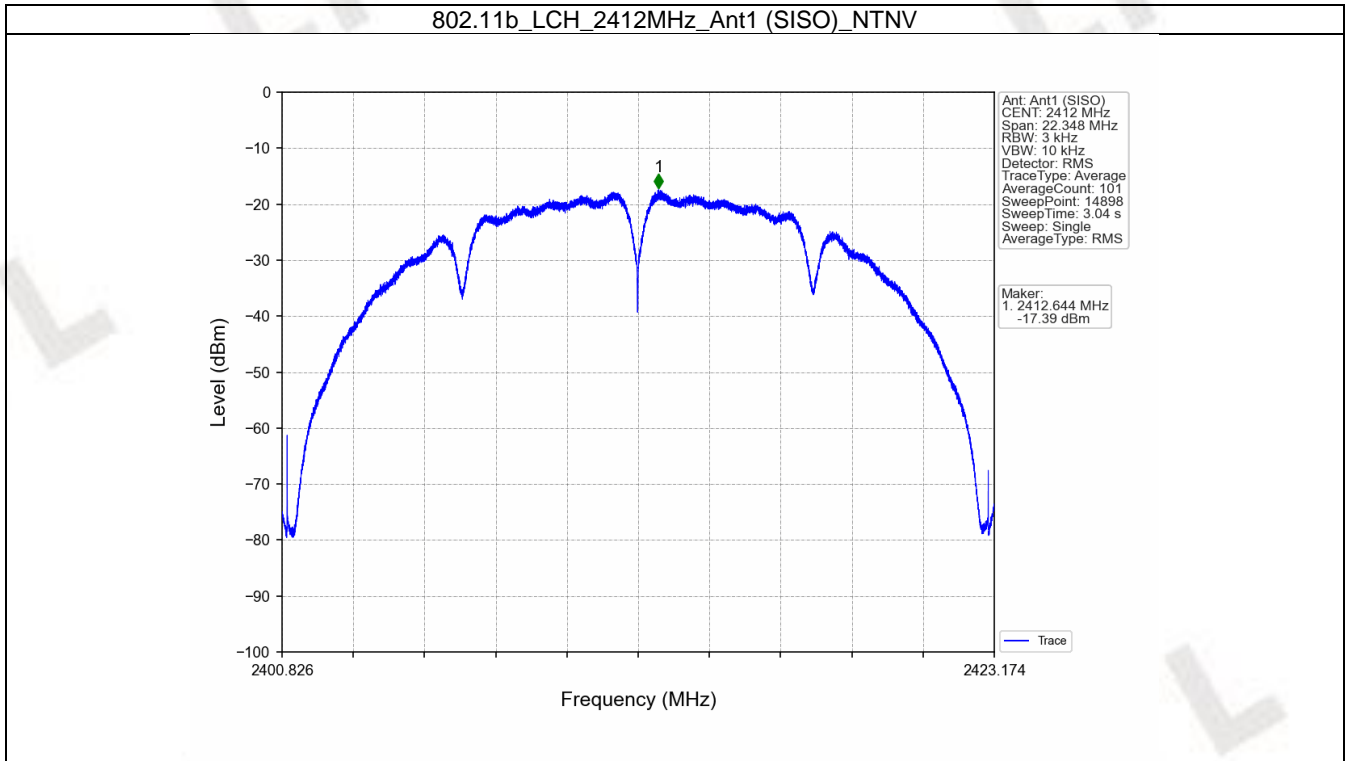
3.1 PSD

3.1.1 Test Result

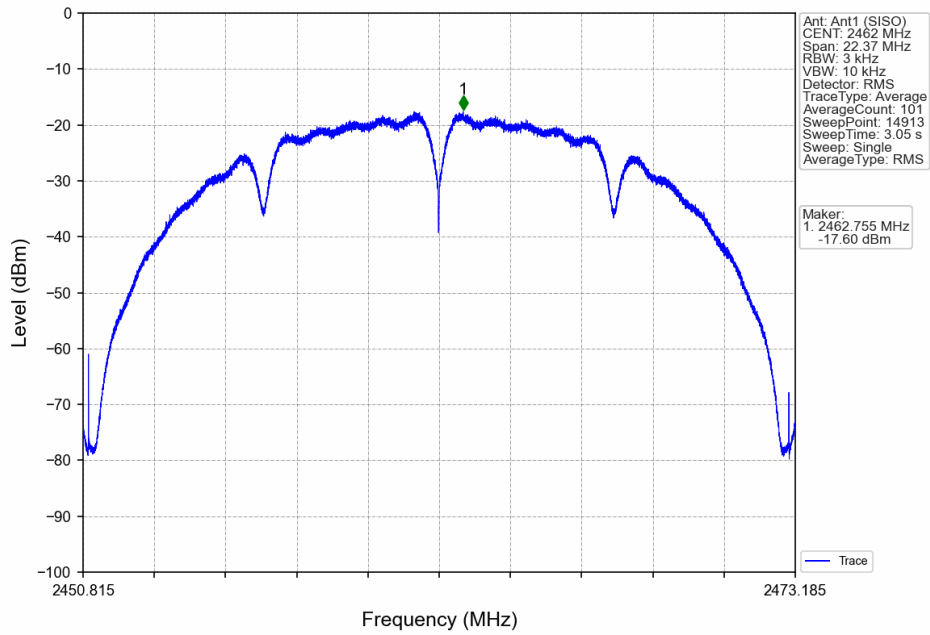
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-17.39	<=8	Pass
		2437	-19.30	<=8	Pass
		2462	-17.60	<=8	Pass
802.11g	SISO	2412	-16.81	<=8	Pass
		2437	-17.36	<=8	Pass
		2462	-17.51	<=8	Pass
802.11n (HT20)	SISO	2412	-18.75	<=8	Pass
		2437	-18.16	<=8	Pass
		2462	-17.06	<=8	Pass
802.11n (HT40)	SISO	2422	-18.89	<=8	Pass
		2437	-19.23	<=8	Pass
		2452	-19.27	<=8	Pass

Note1: Antenna Gain: Ant1: 1.58dBi;

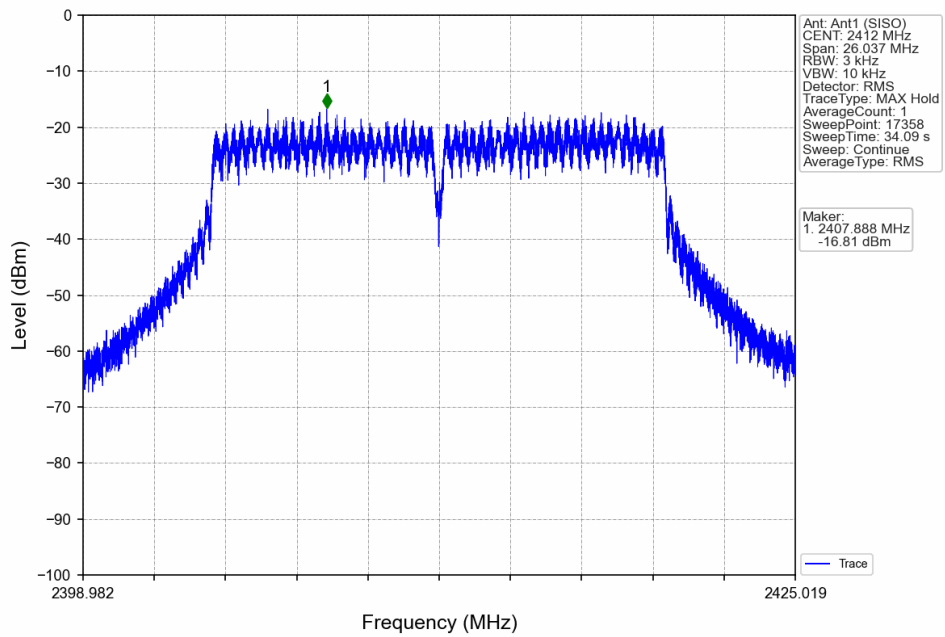
3.1.2 Test Graph



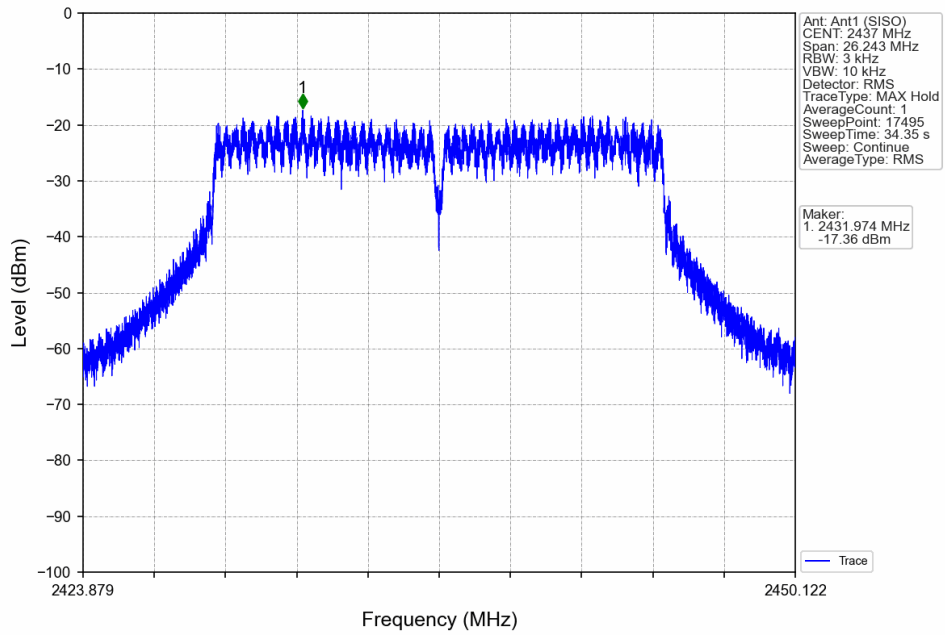
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



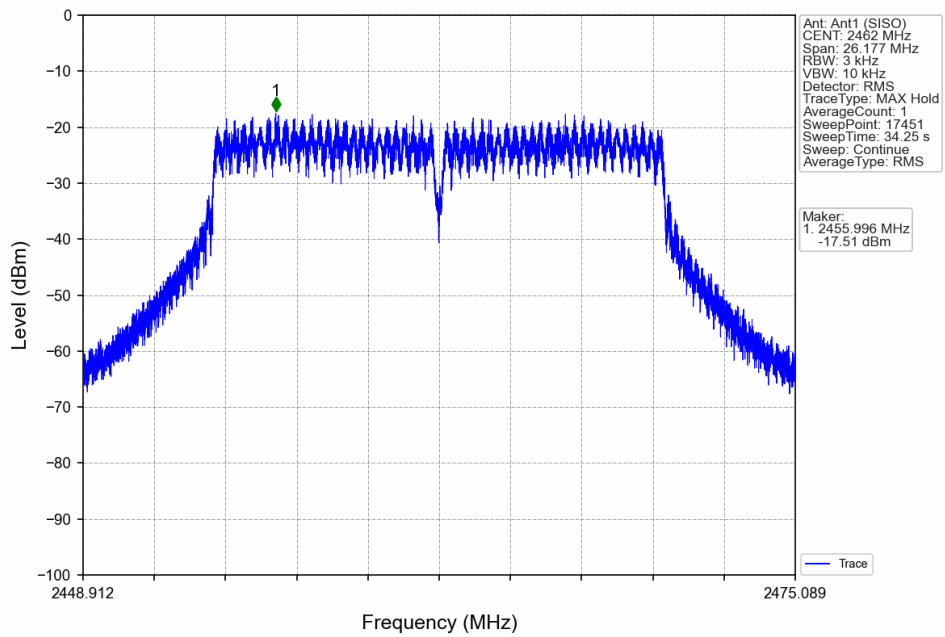
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



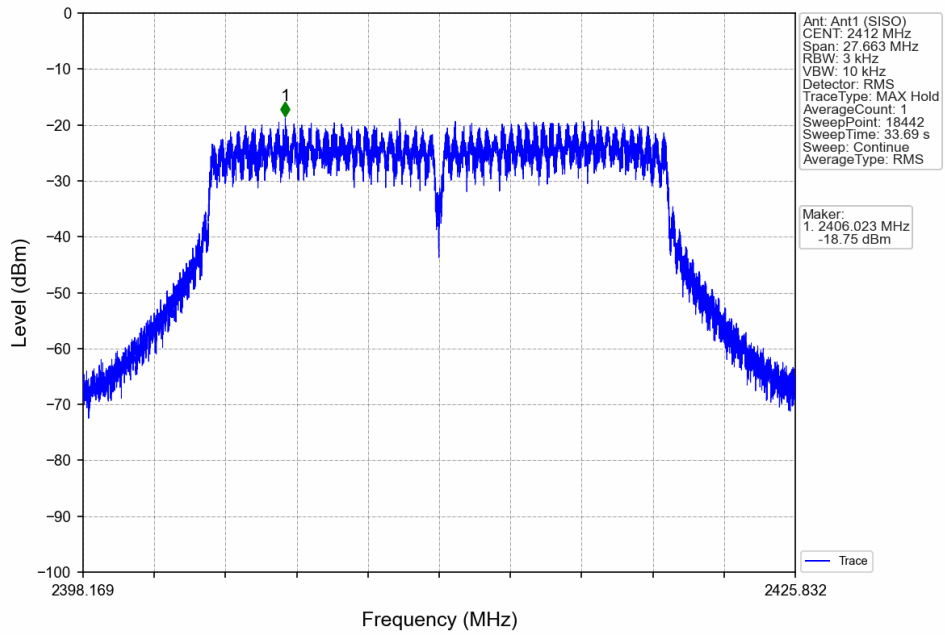
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



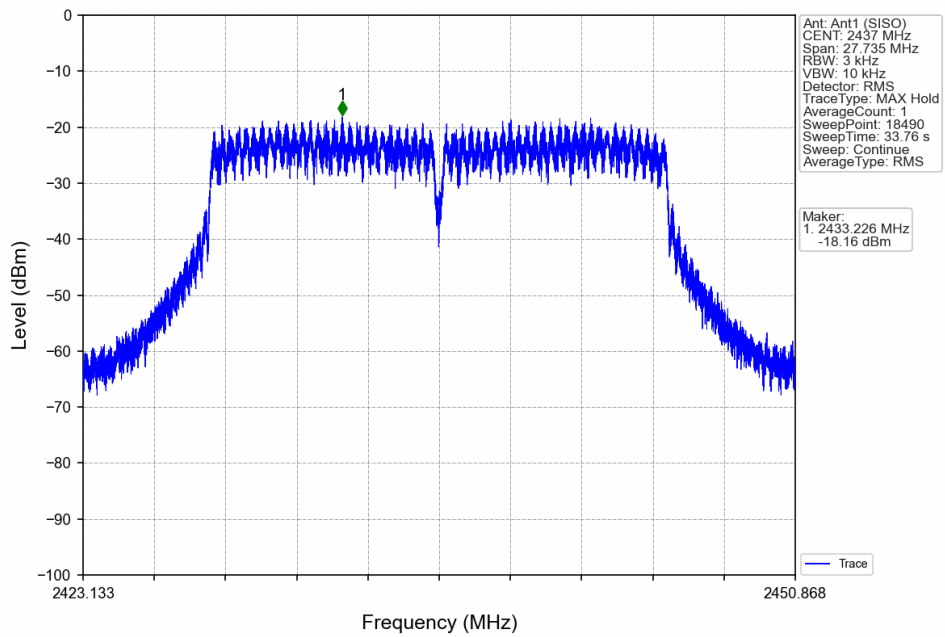
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



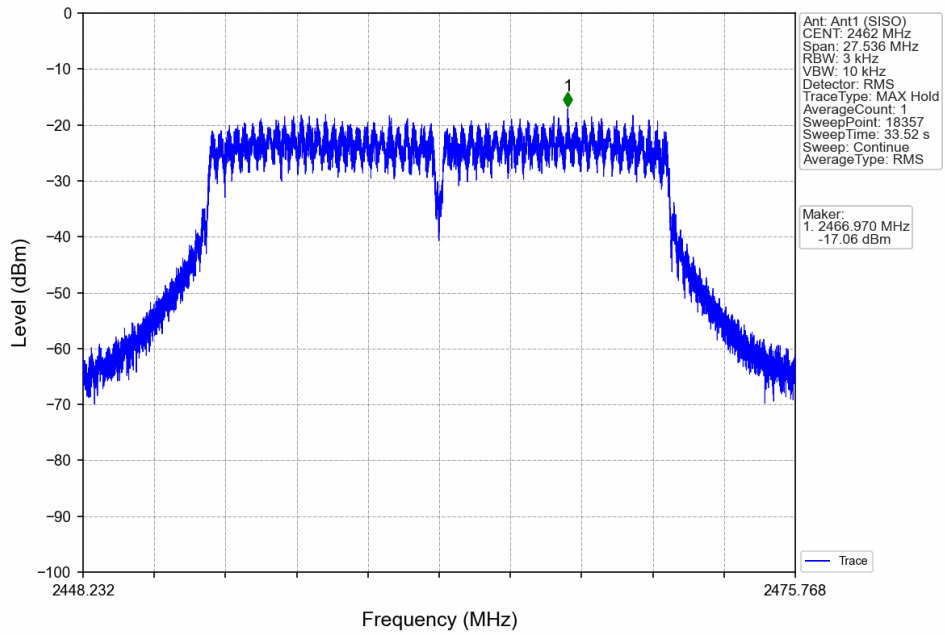
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



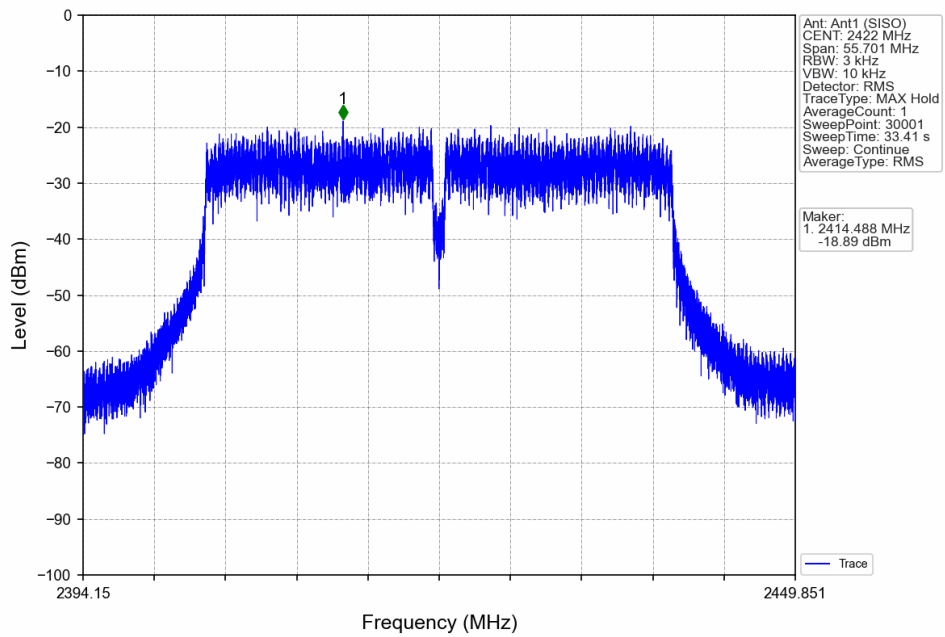
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



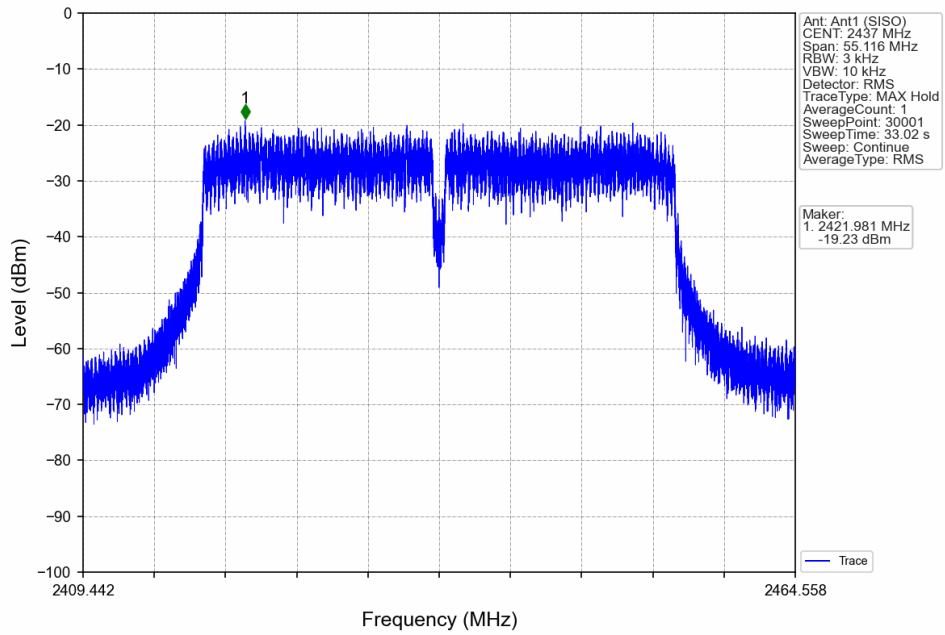
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



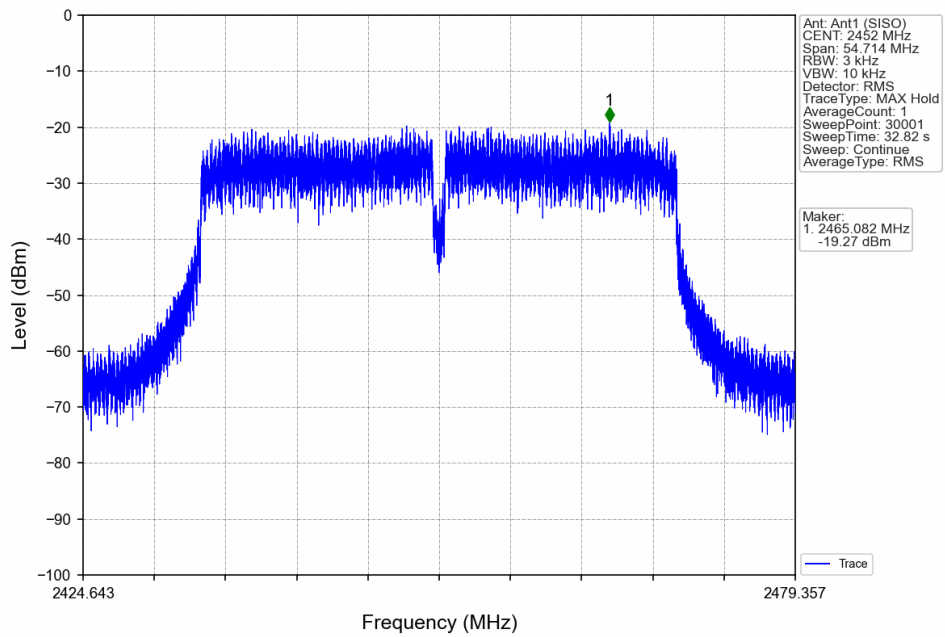
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

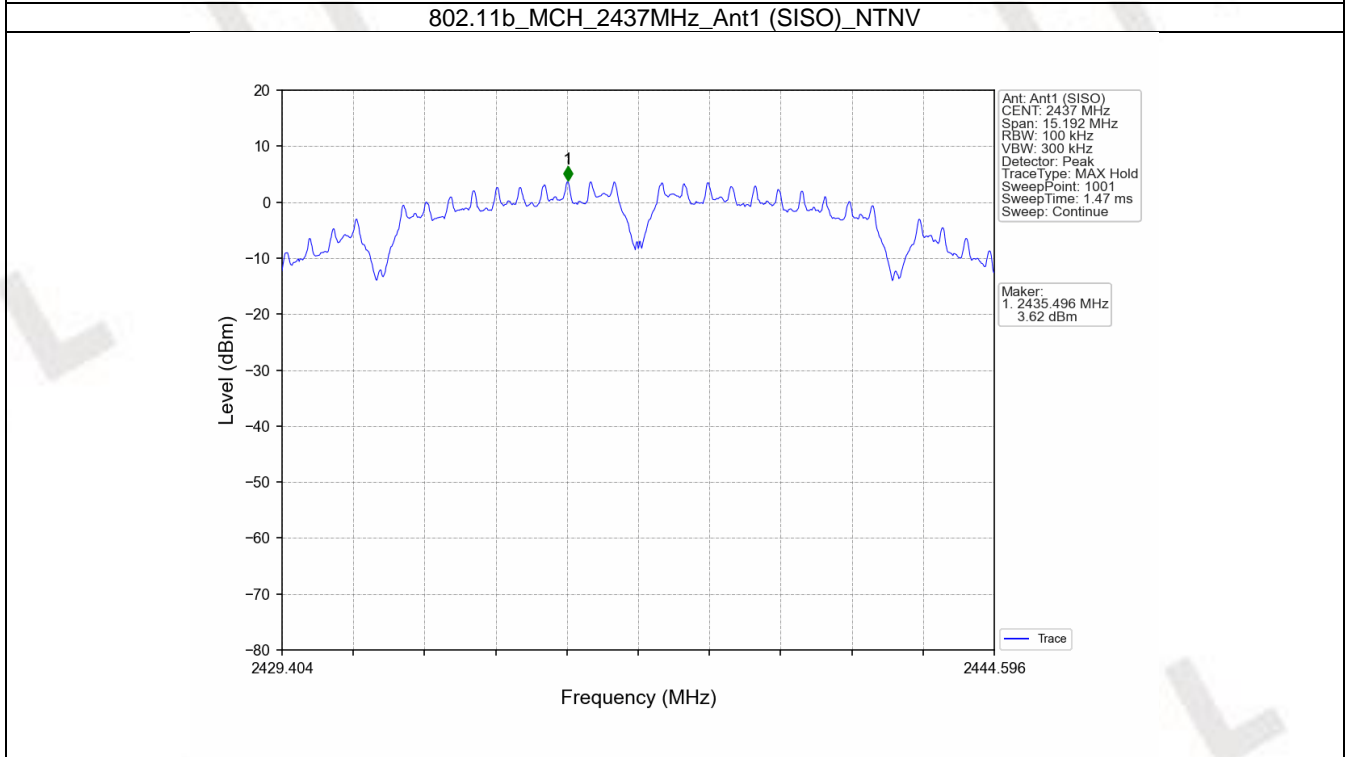
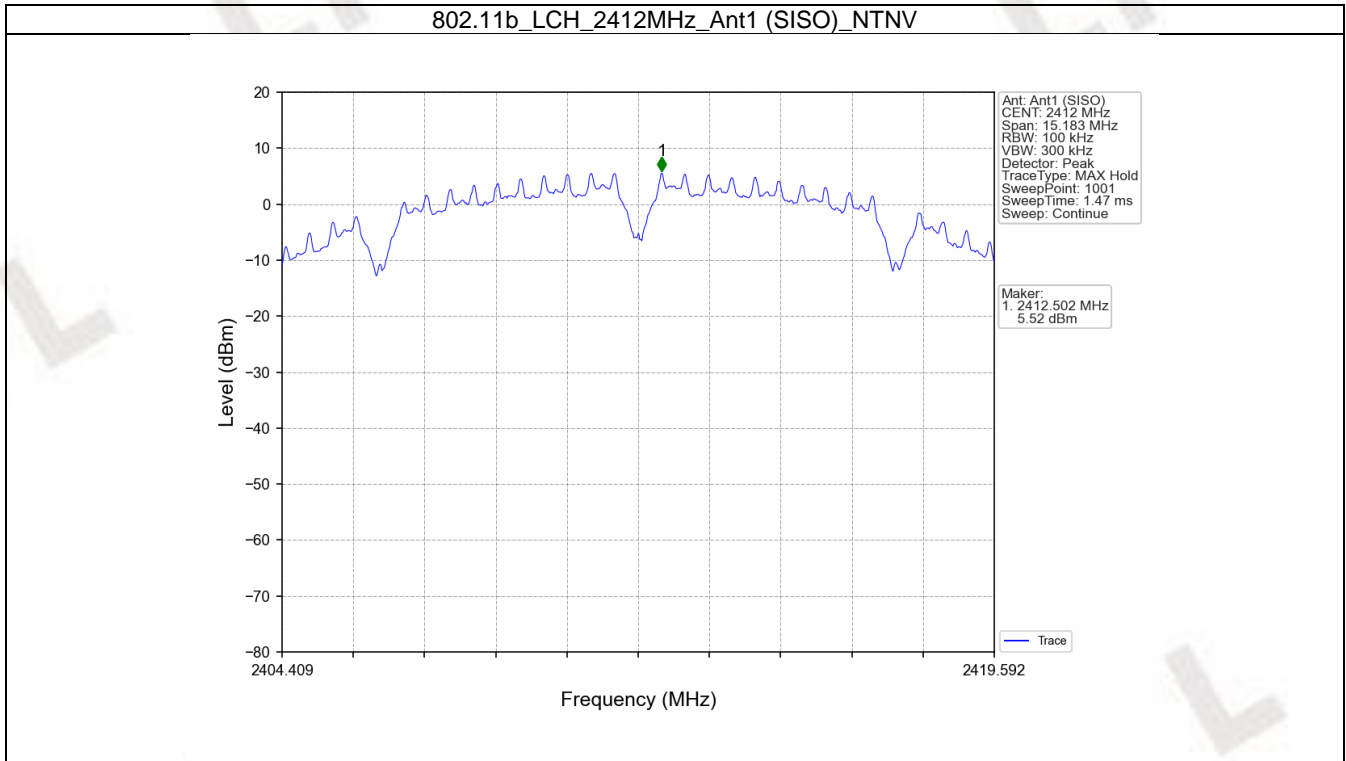
4.1 Ref

4.1.1 Test Result

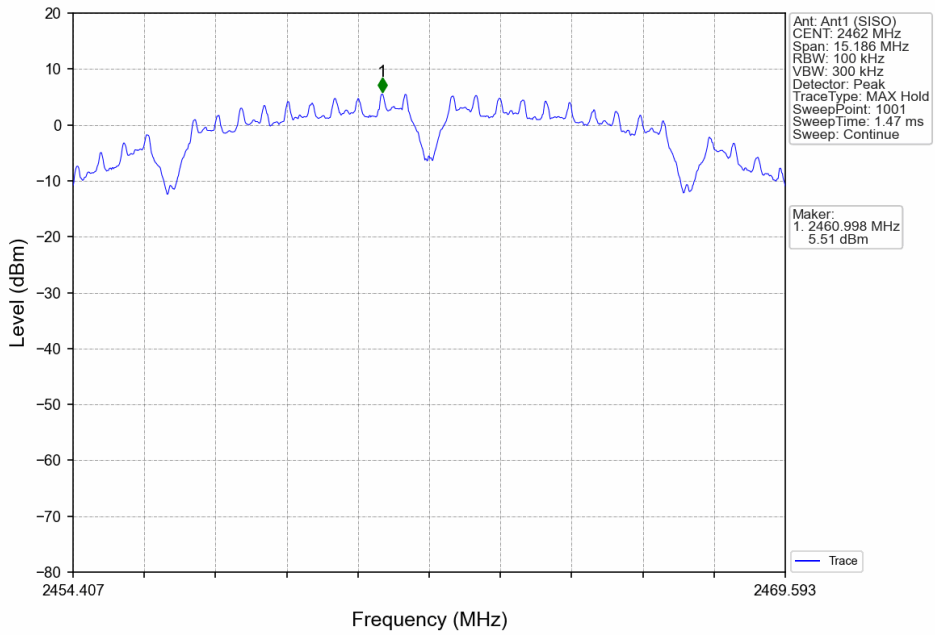
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.52
		2437	1	3.62
		2462	1	5.51
802.11g	SISO	2412	1	3.18
		2437	1	2.77
		2462	1	2.95
802.11n (HT20)	SISO	2412	1	1.74
		2437	1	2.67
		2462	1	3.04
802.11n (HT40)	SISO	2422	1	-0.02
		2437	1	0.00
		2452	1	0.07

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.

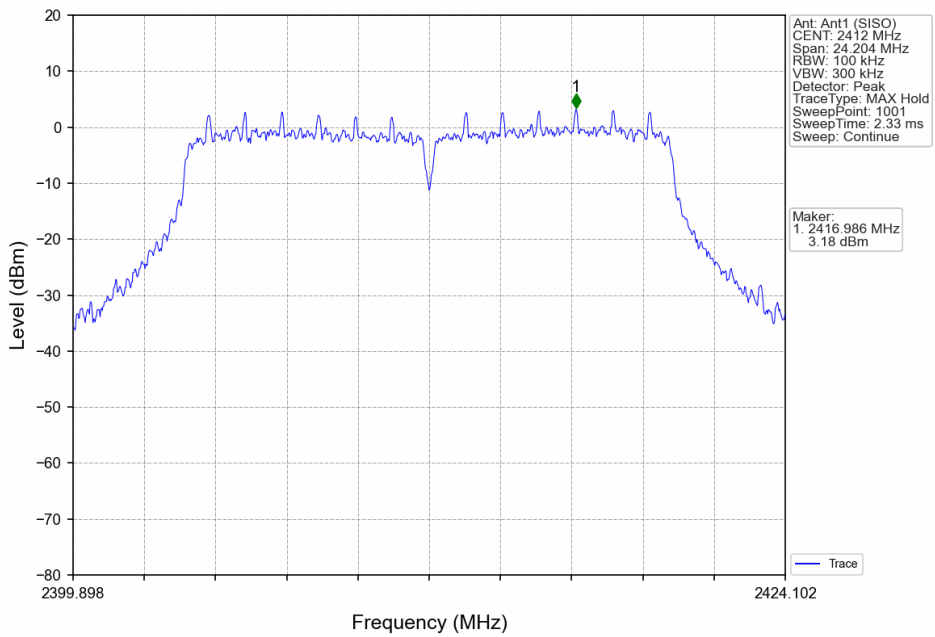
4.1.2 Test Graph



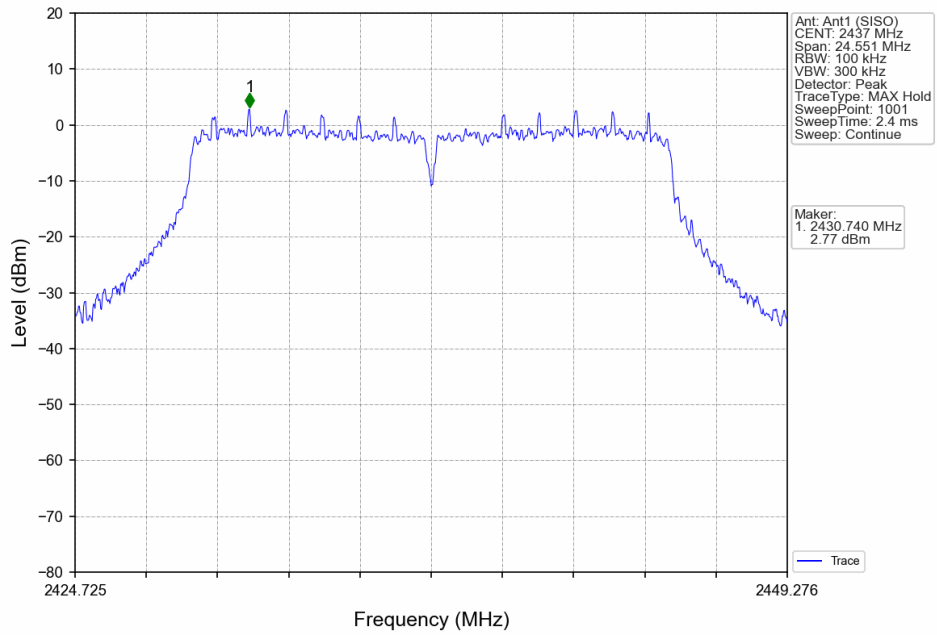
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



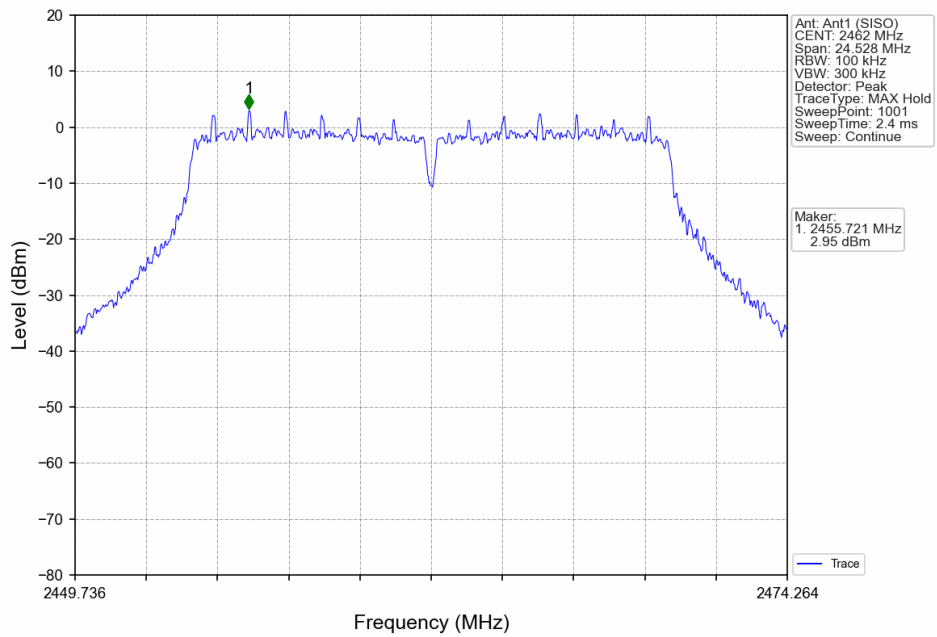
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



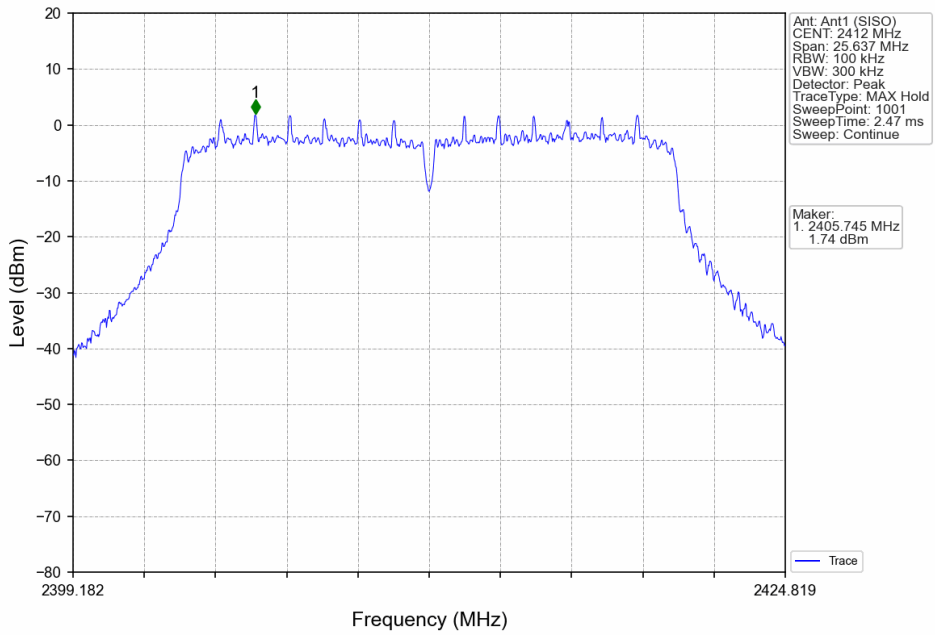
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



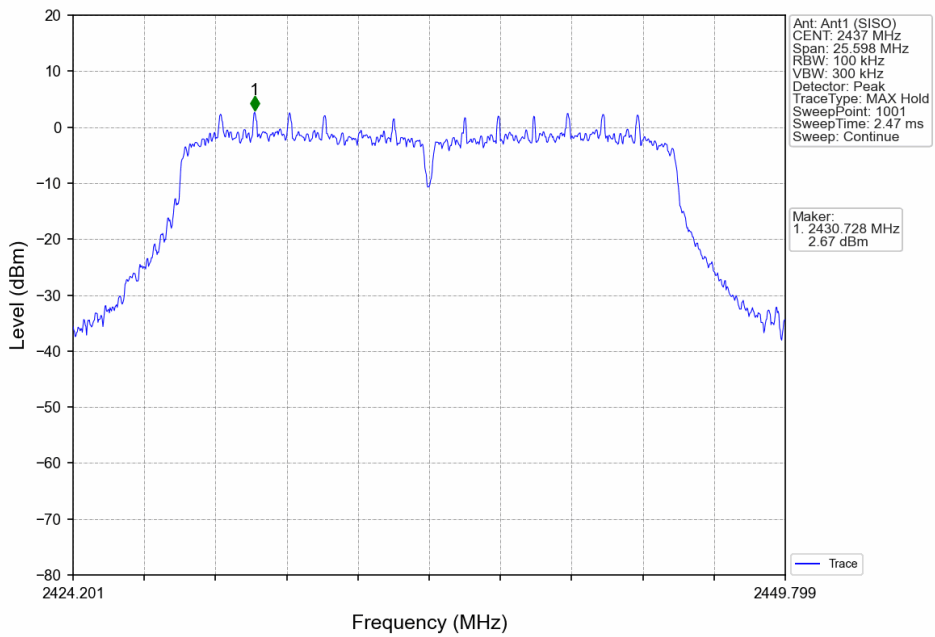
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



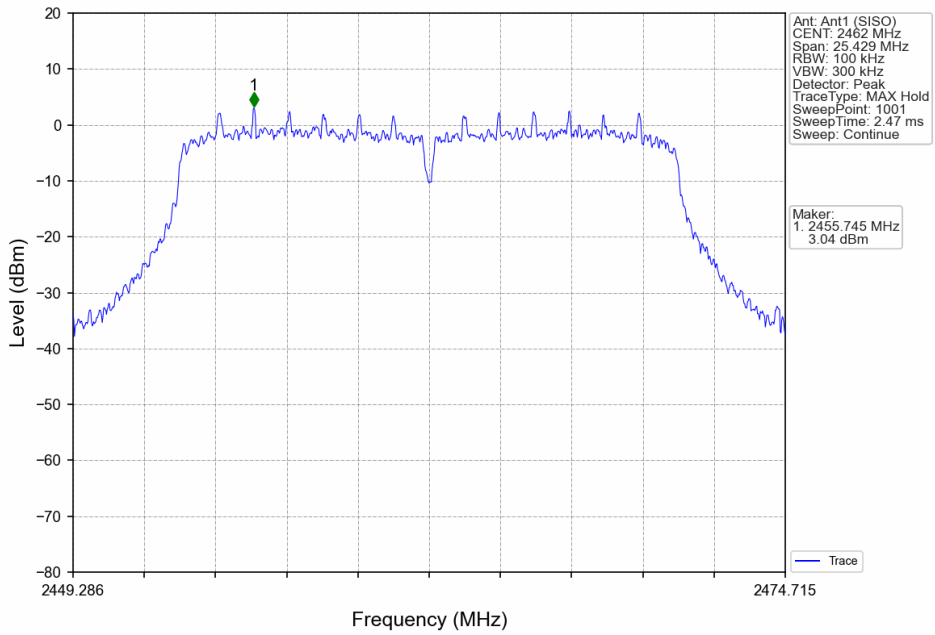
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



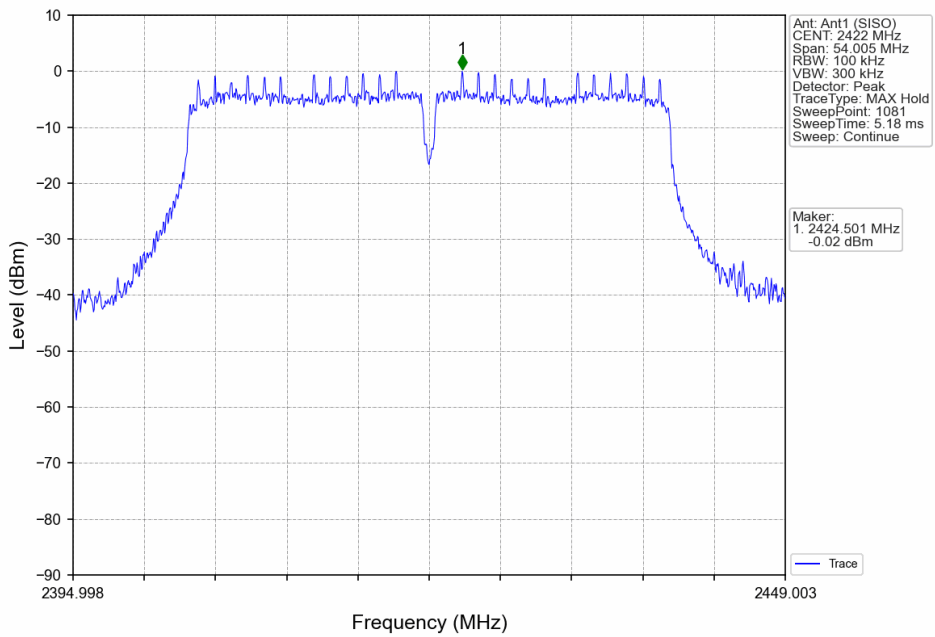
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



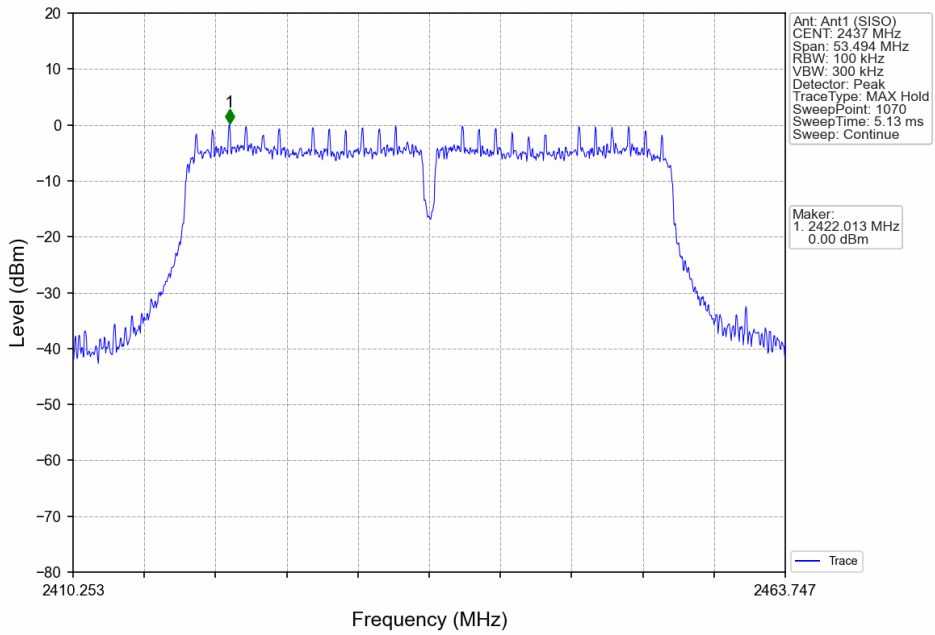
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



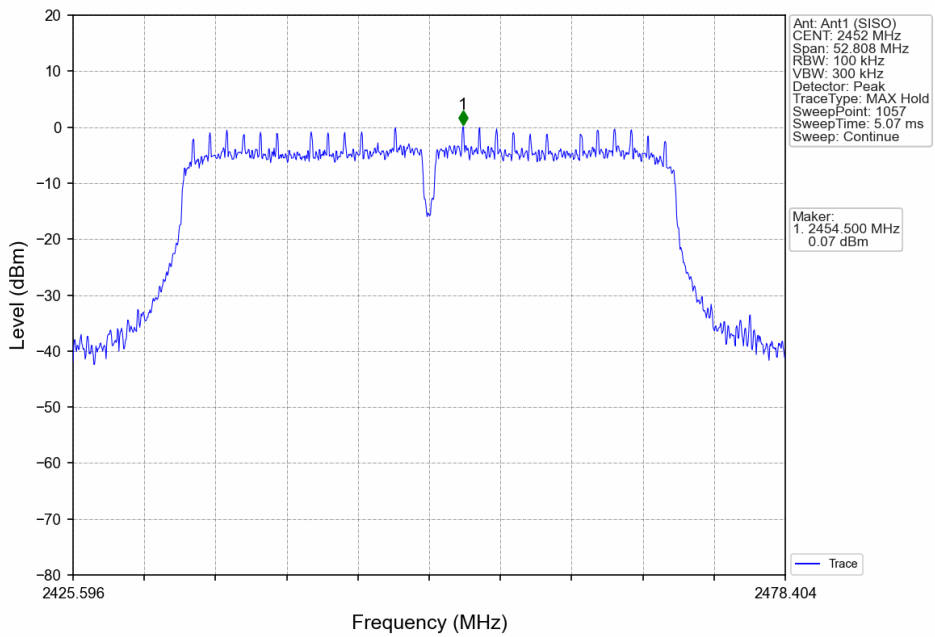
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



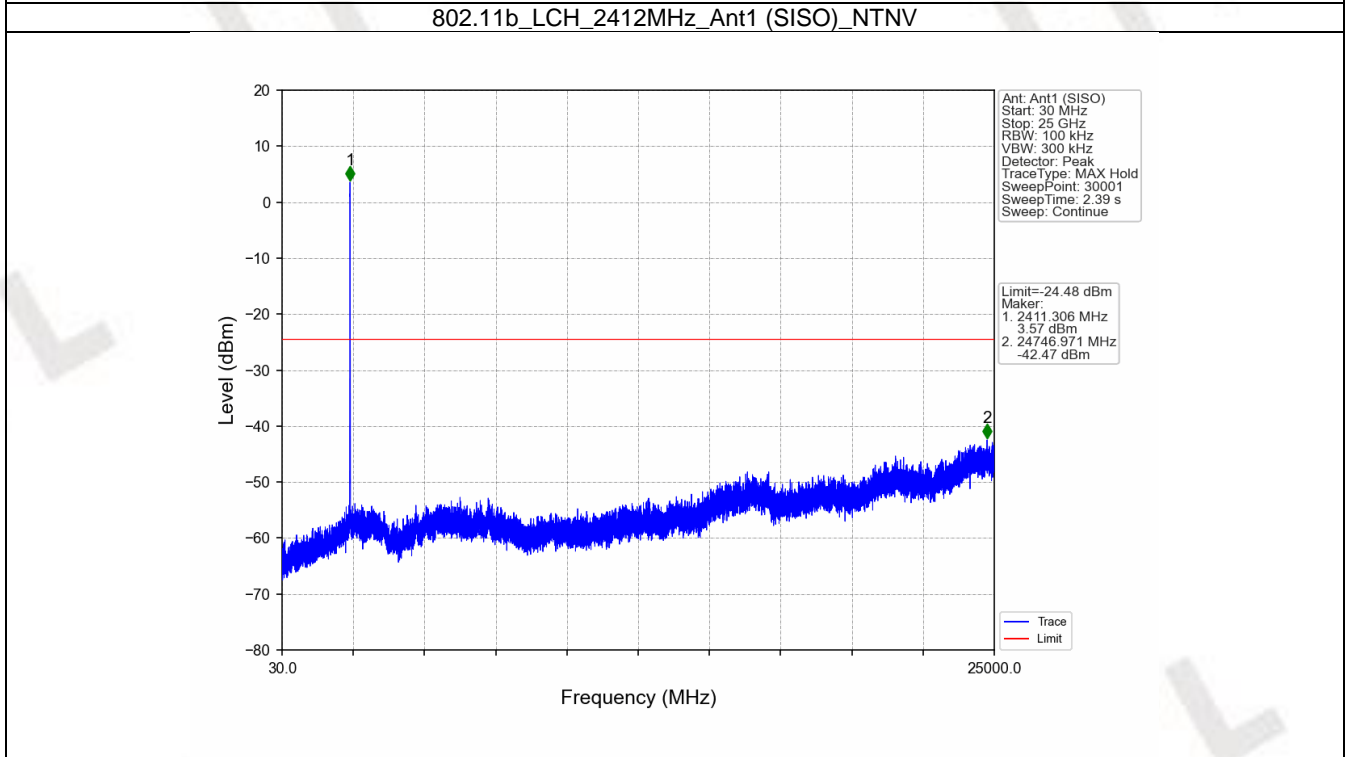
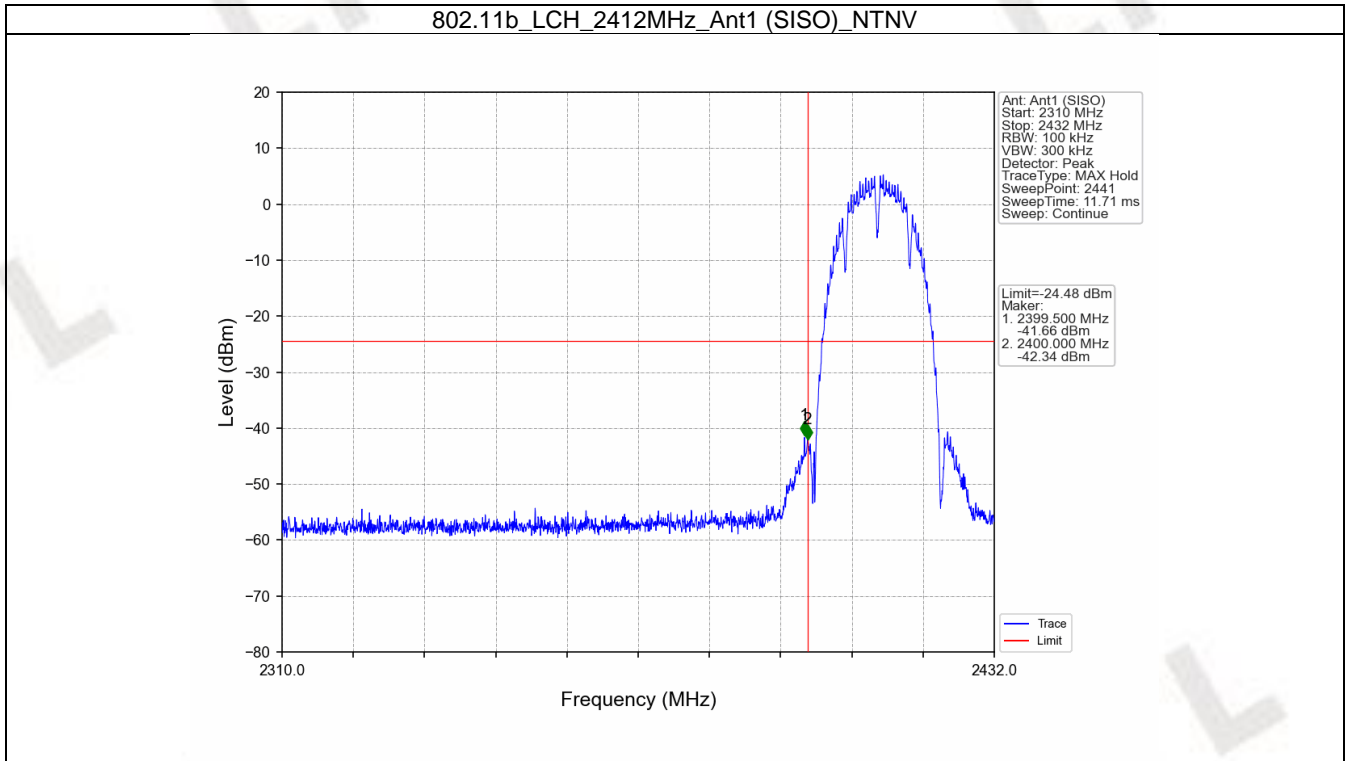
4.2 CSE

4.2.1 Test Result

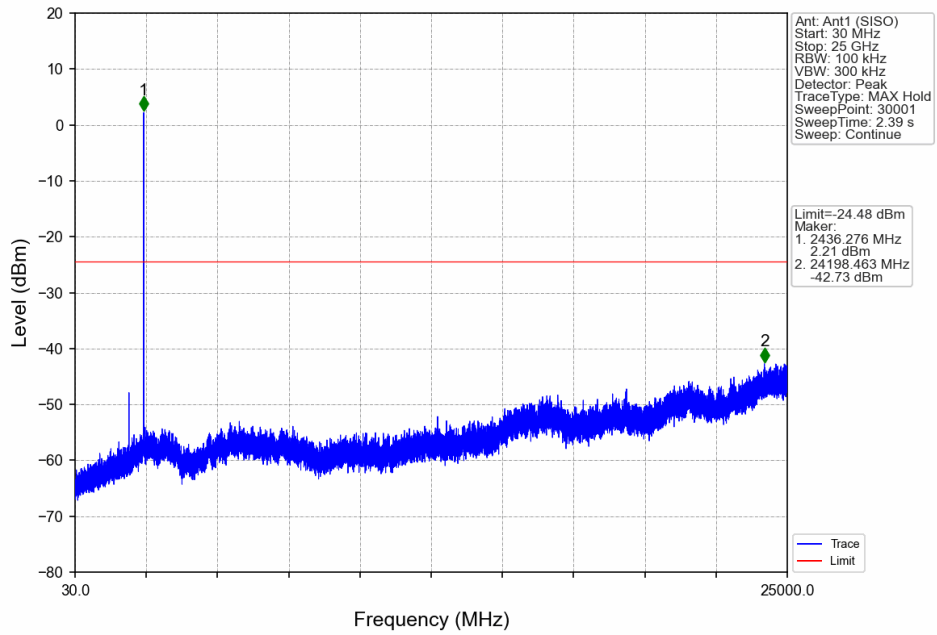
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.52	-24.48	Pass
		2437	1	5.52	-24.48	Pass
		2462	1	5.52	-24.48	Pass
802.11g	SISO	2412	1	3.18	-26.82	Pass
		2437	1	3.18	-26.82	Pass
		2462	1	3.18	-26.82	Pass
802.11n (HT20)	SISO	2412	1	3.04	-26.96	Pass
		2437	1	3.04	-26.96	Pass
		2462	1	3.04	-26.96	Pass
802.11n (HT40)	SISO	2422	1	0.07	-29.93	Pass
		2437	1	0.07	-29.93	Pass
		2452	1	0.07	-29.93	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.

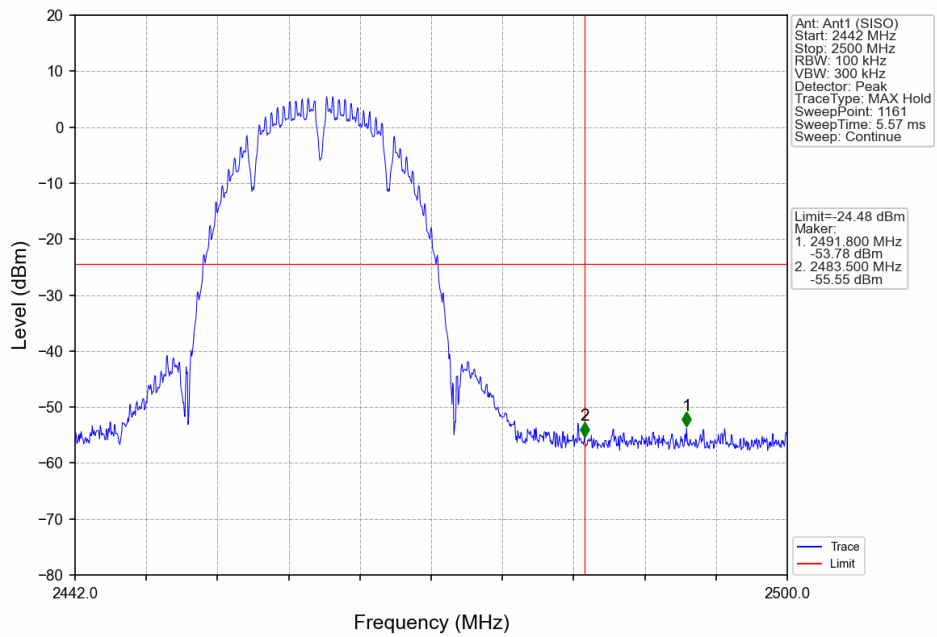
4.2.2 Test Graph



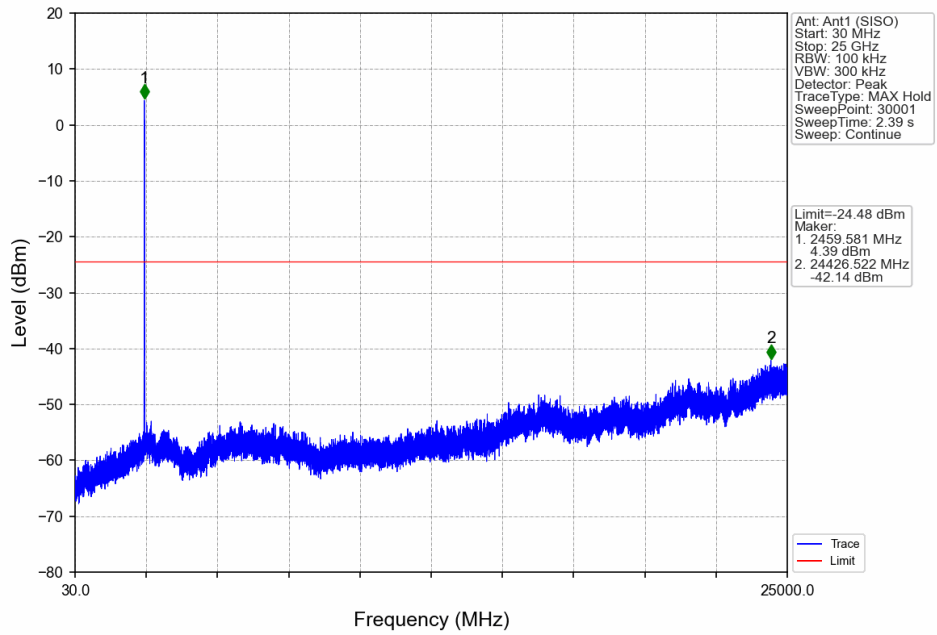
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



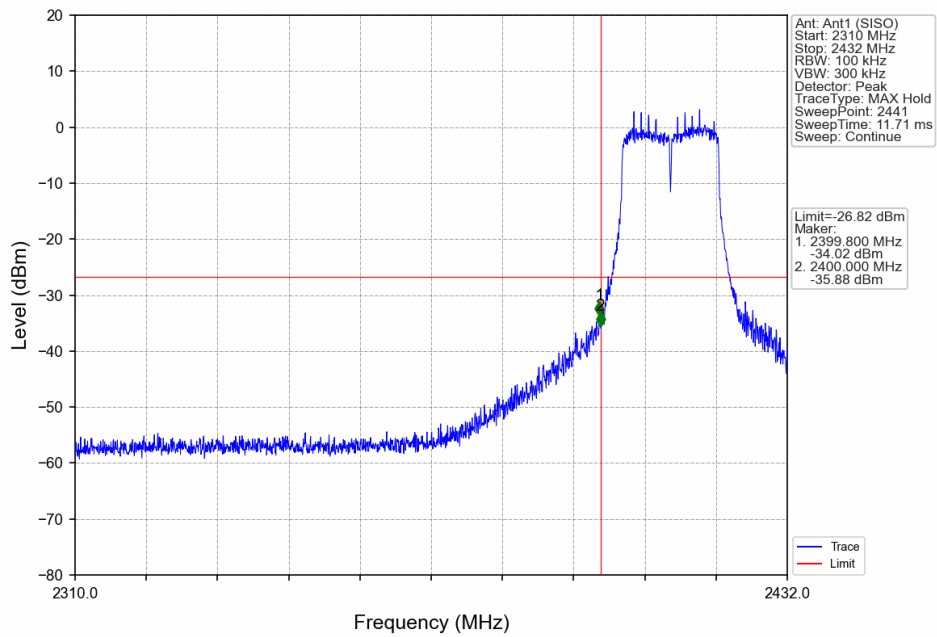
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



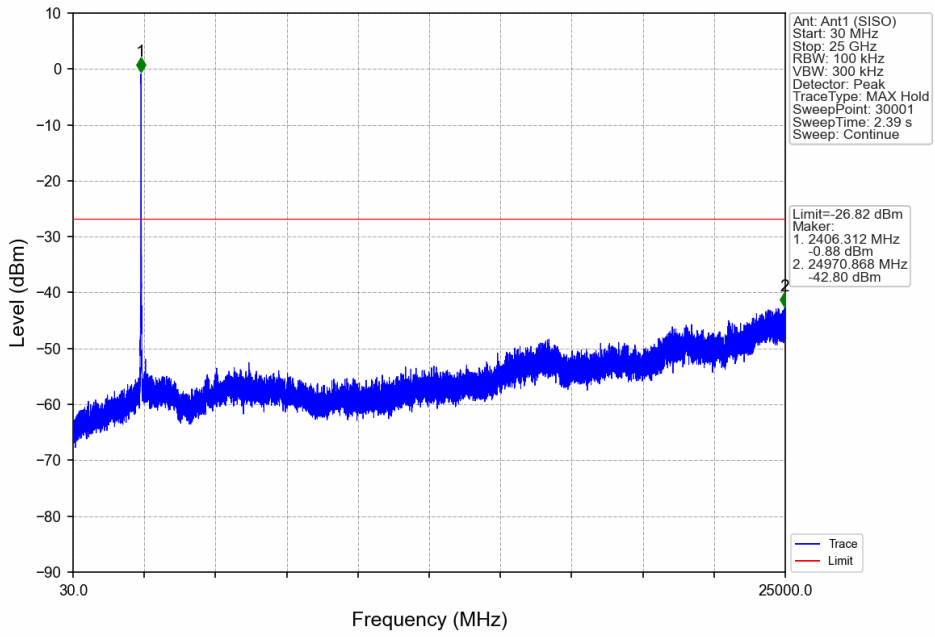
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



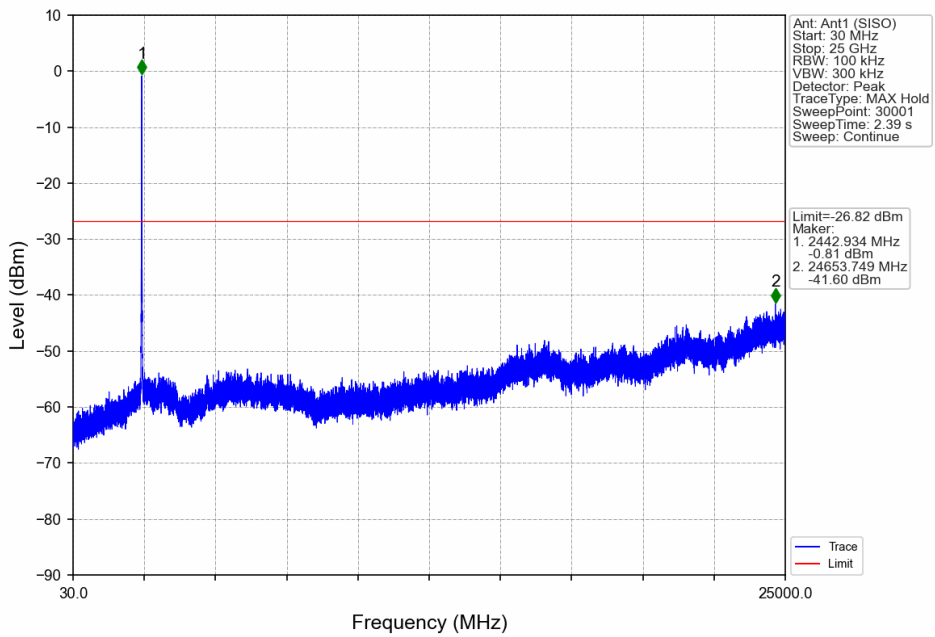
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



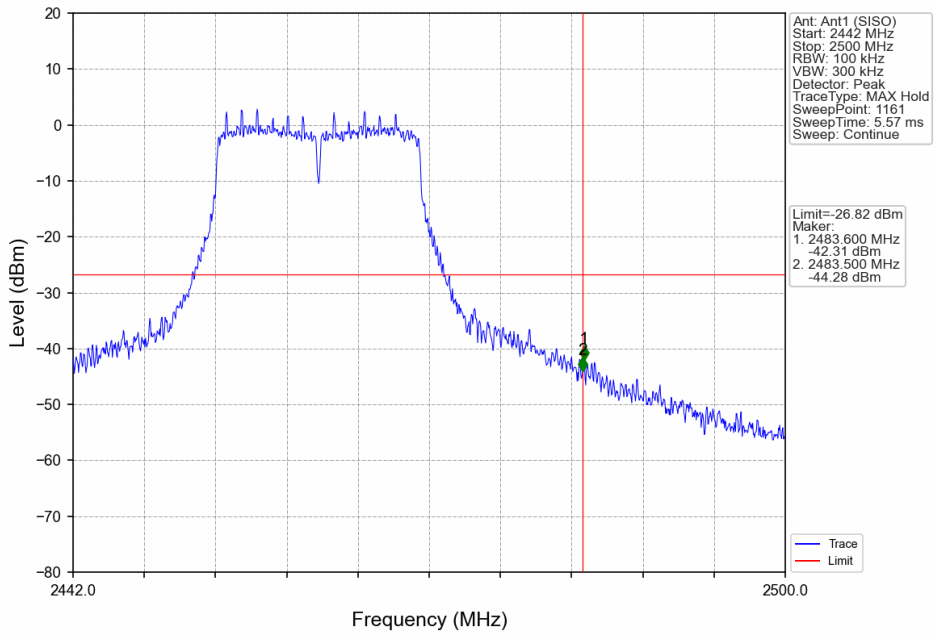
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



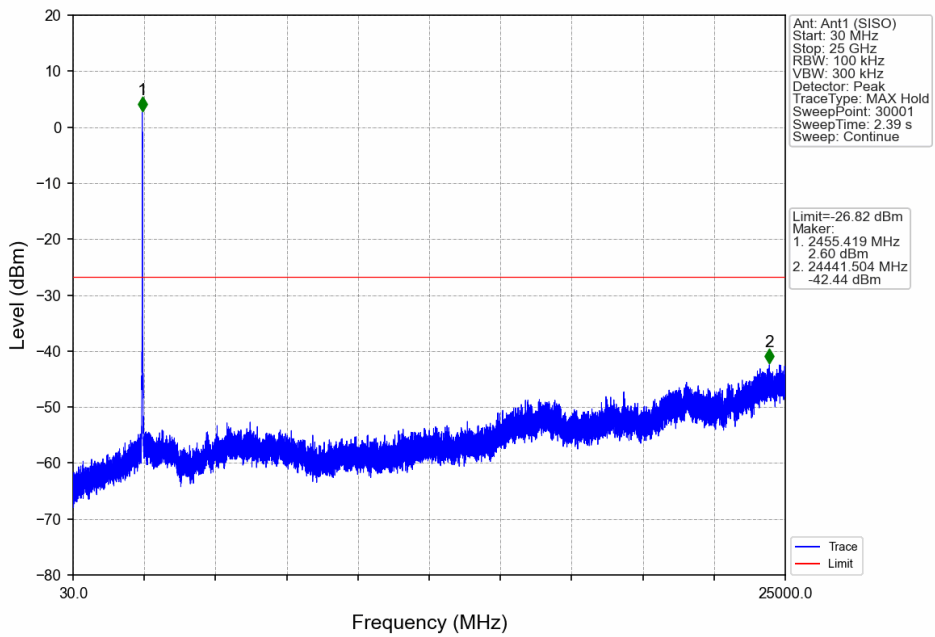
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



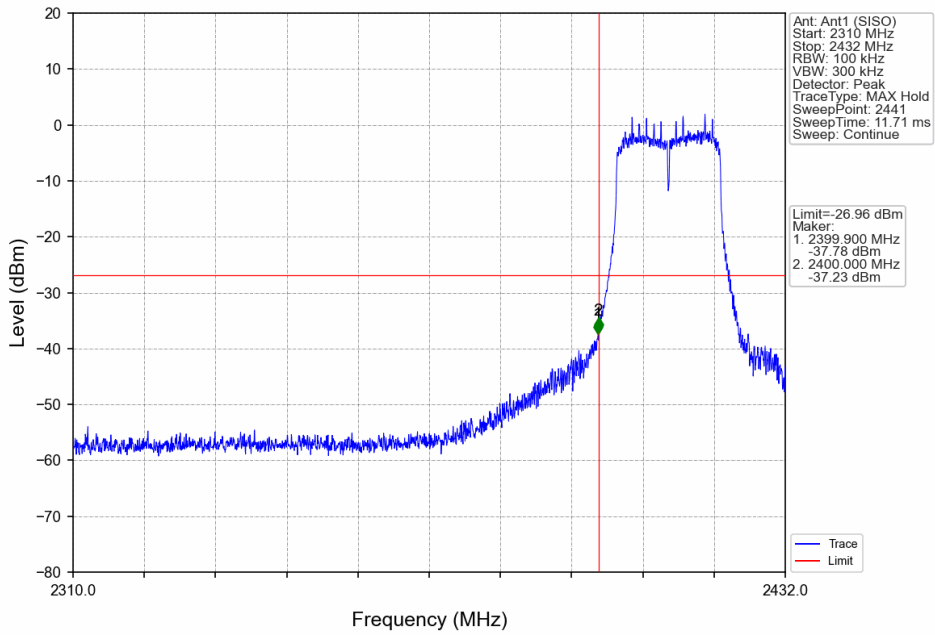
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



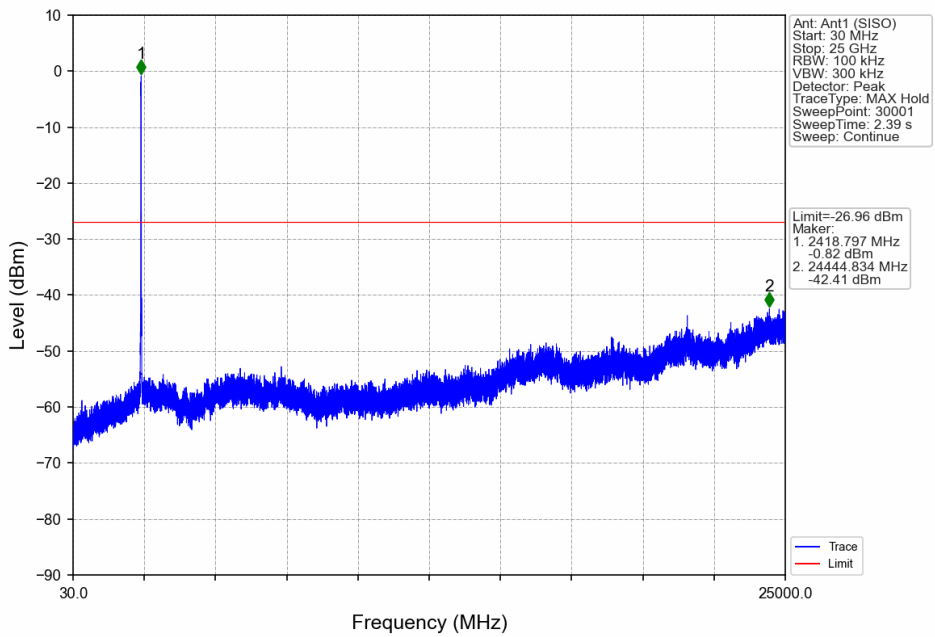
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



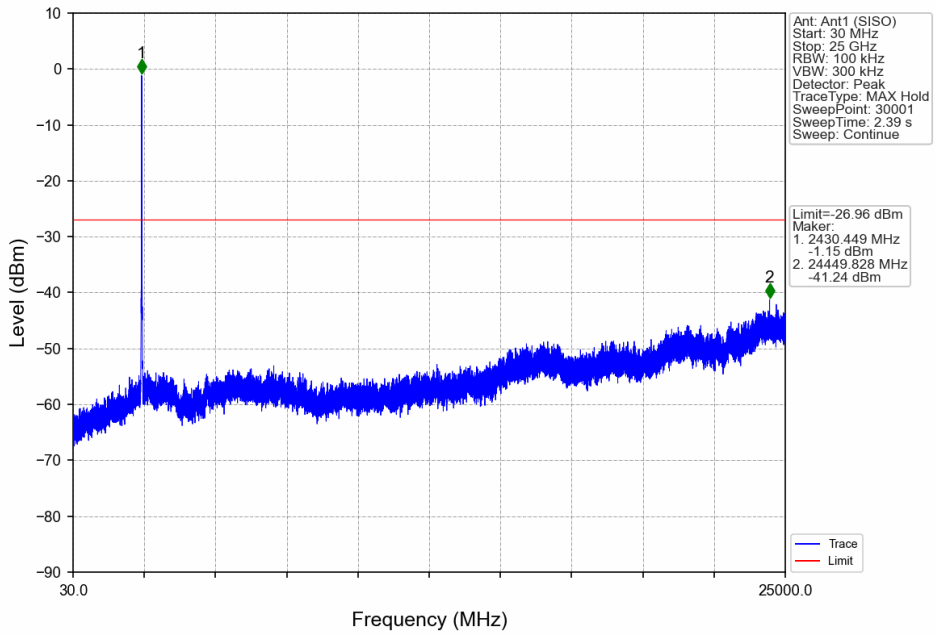
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



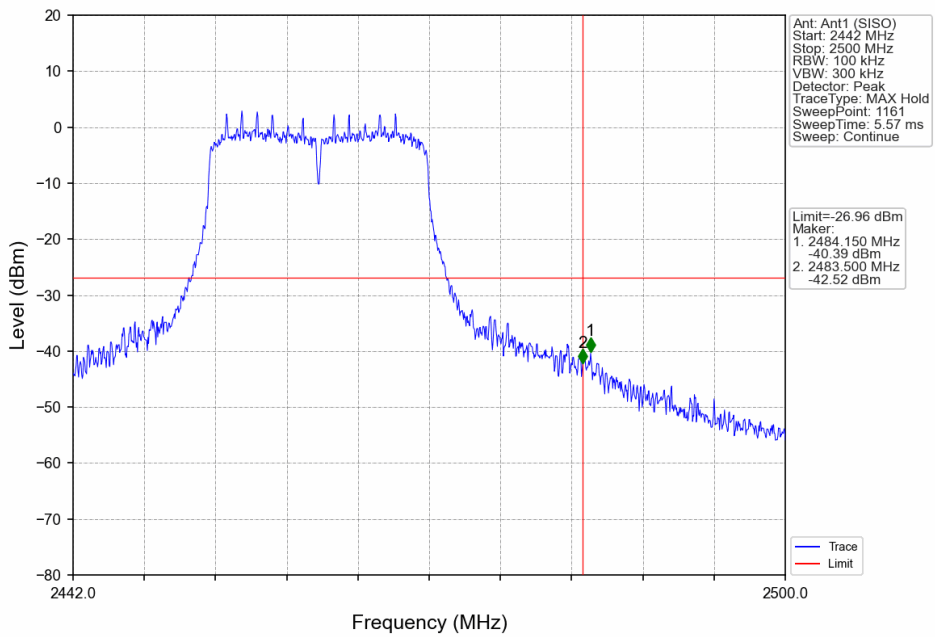
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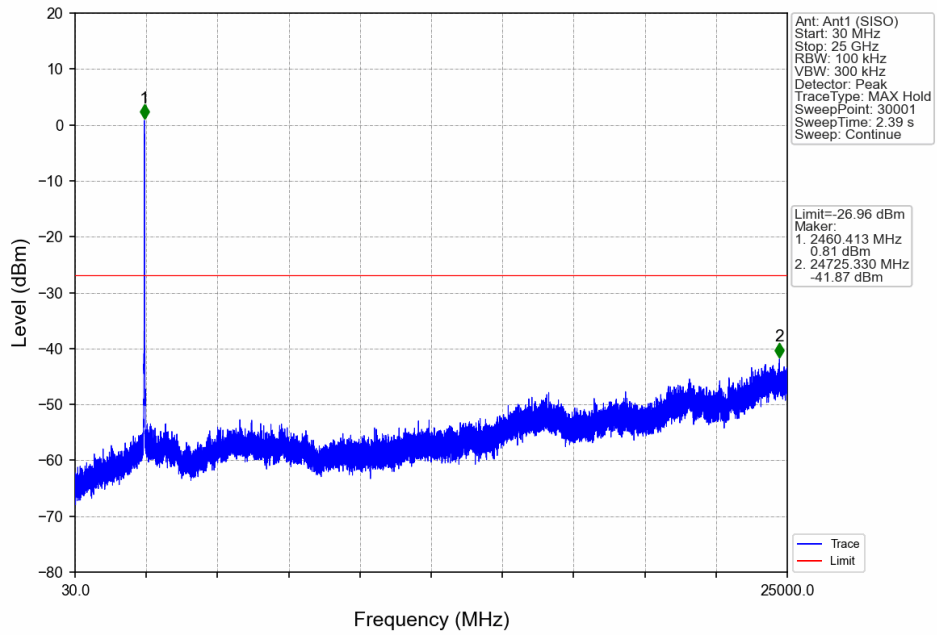
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



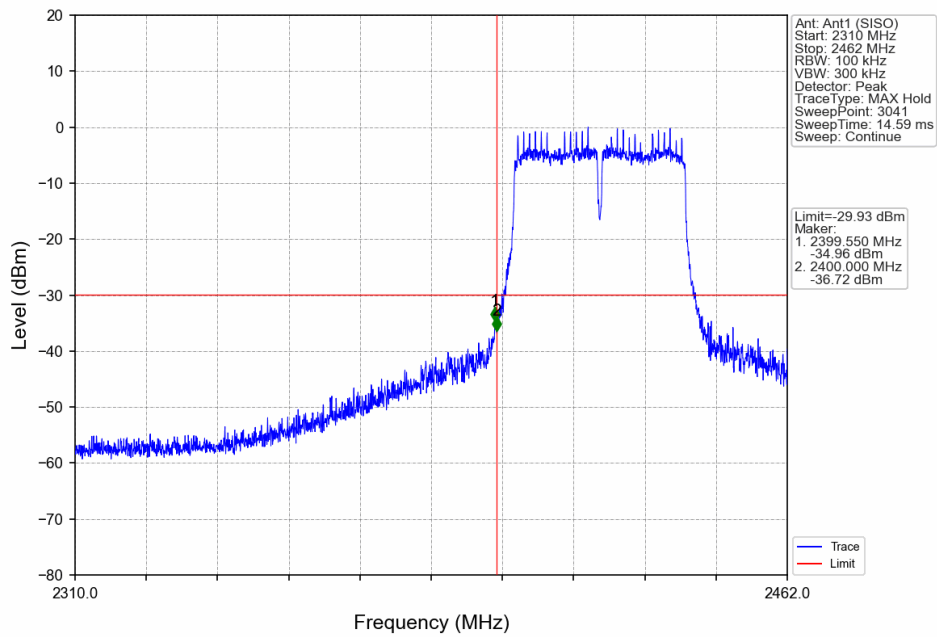
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



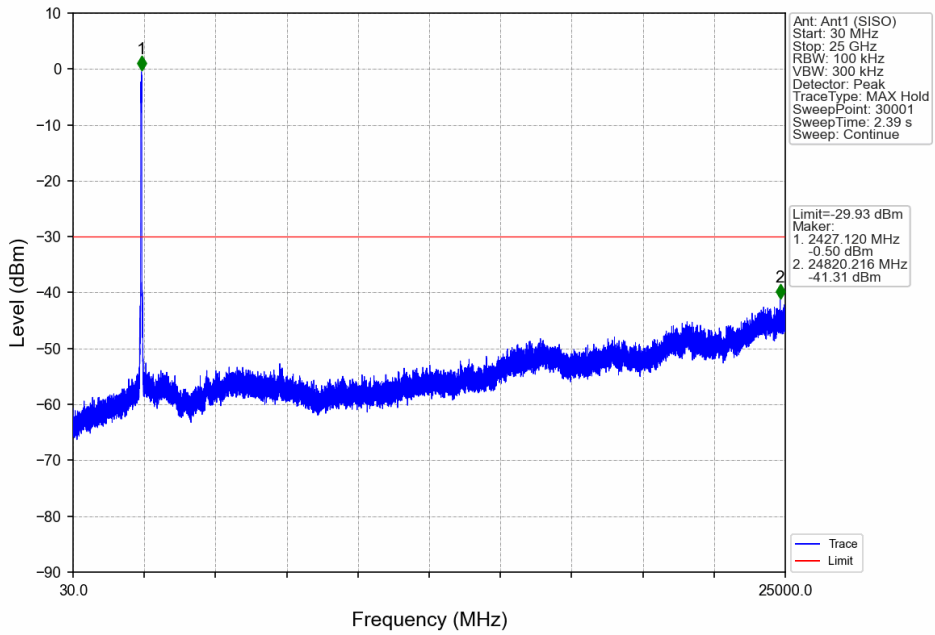
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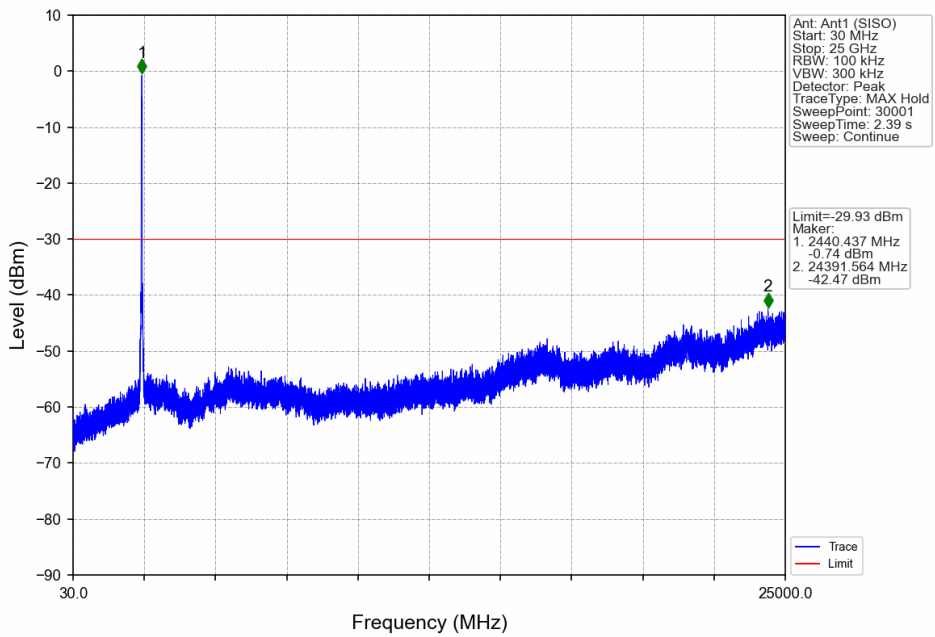
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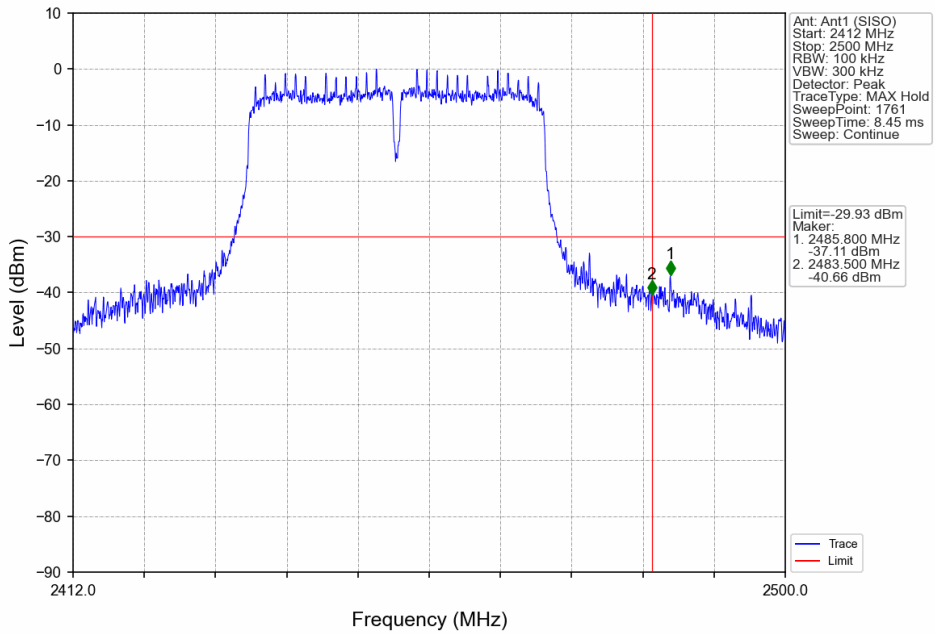
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

