



1. Duty Cycle

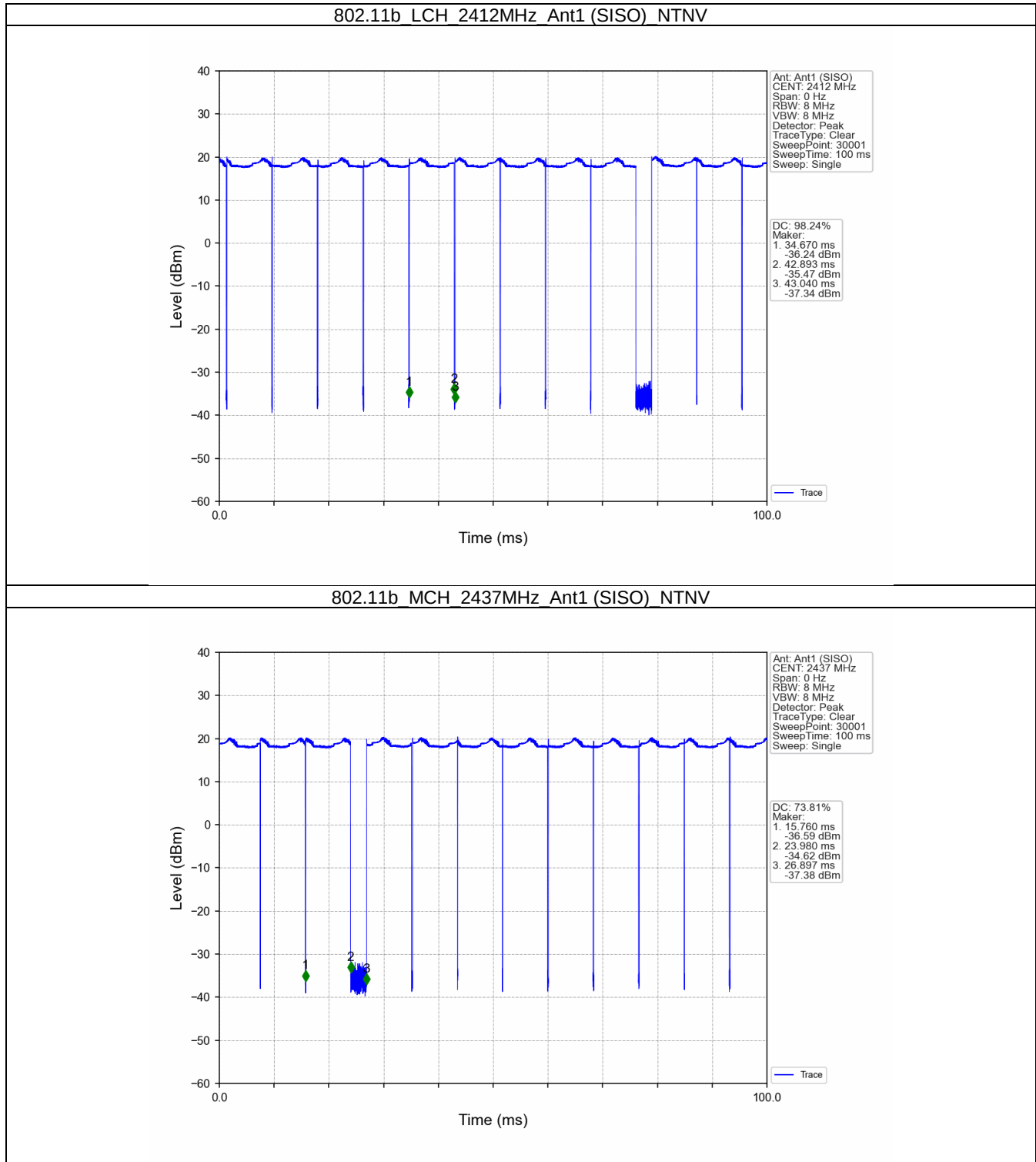
1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.223	8.370	98.24	0.08	1.51
		2437	8.220	11.137	73.81	1.32	26.12
		2462	8.223	11.210	73.35	1.35	26.41
802.11g	SISO	2412	1.369	1.533	89.30	0.49	8.03
		2437	1.361	1.533	88.78	0.52	6.18
		2462	1.360	1.563	87.01	0.60	10.34
802.11n (HT20)	SISO	2412	1.272	1.417	89.77	0.47	6.79
		2437	1.273	1.505	84.58	0.73	0.03
		2462	1.280	1.523	84.04	0.75	12.40
802.11n (HT40)	SISO	2422	0.633	1.056	59.94	2.22	13.32
		2437	0.633	0.804	78.73	1.04	13.42
		2452	0.632	0.864	73.15	1.36	0.00

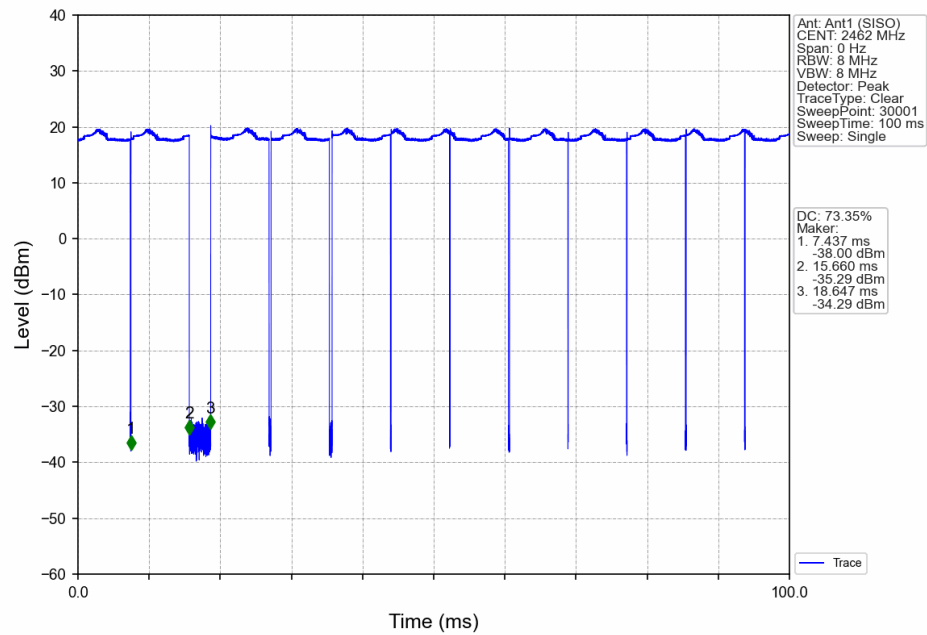


1.1.2 Test Graph

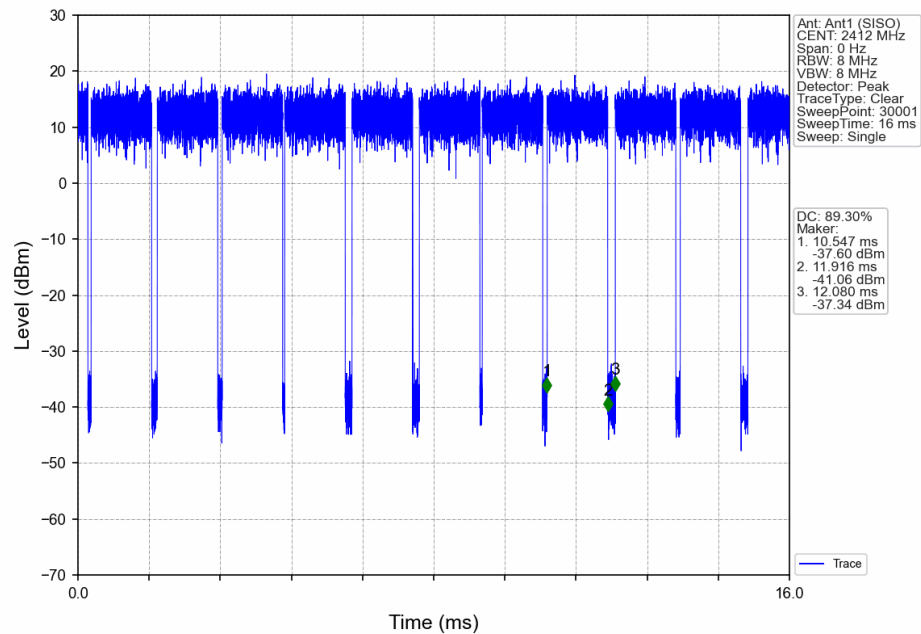




802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

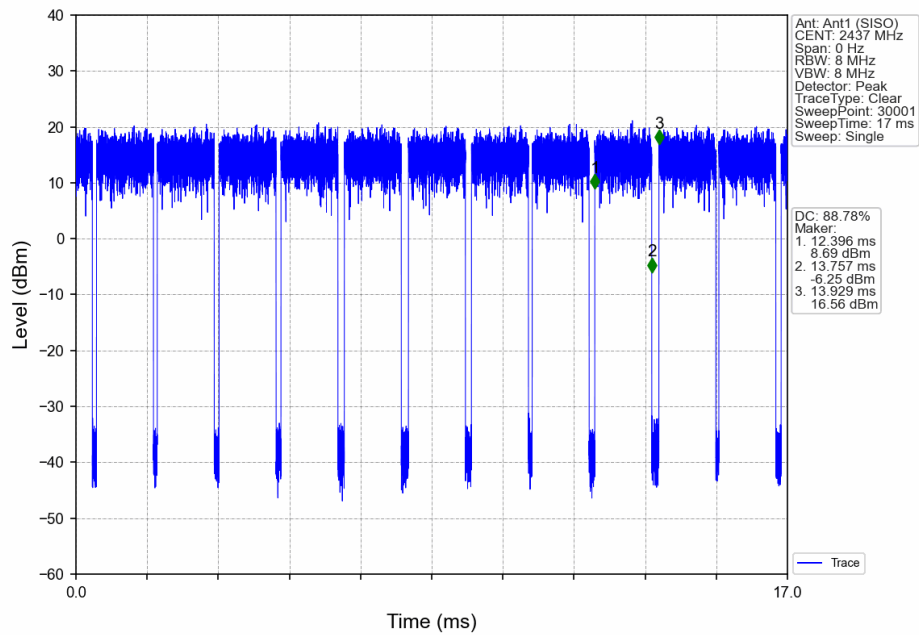


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

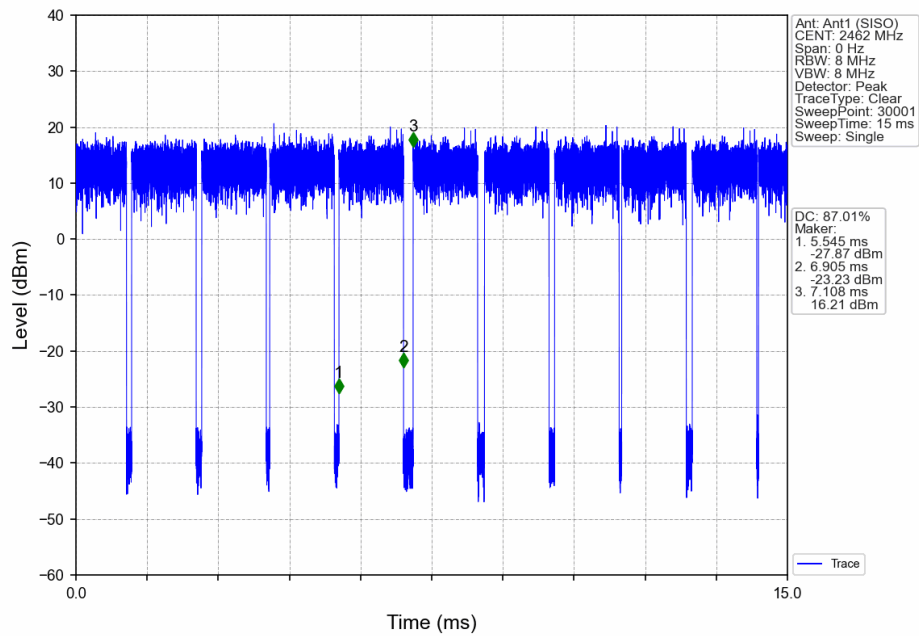




802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

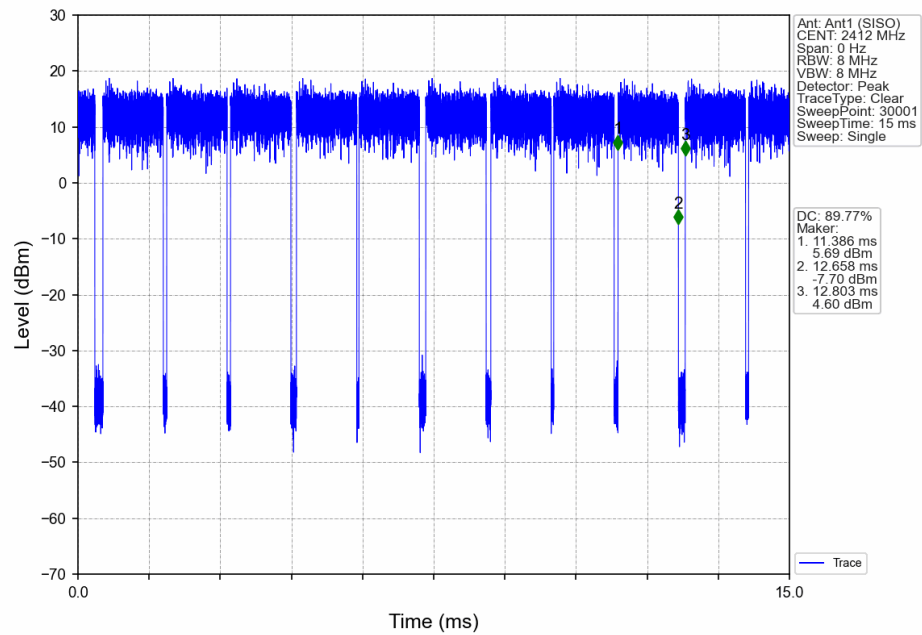


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

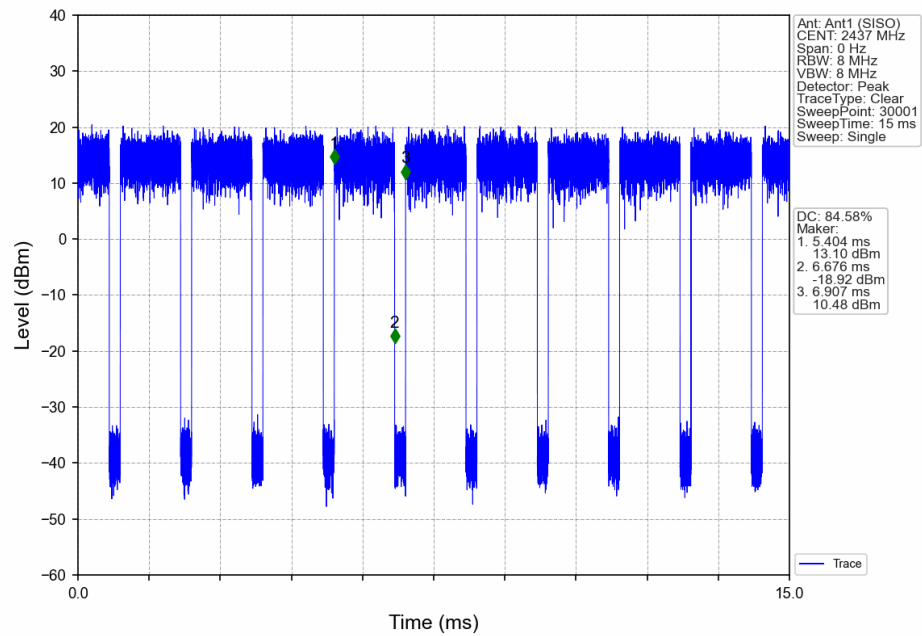




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

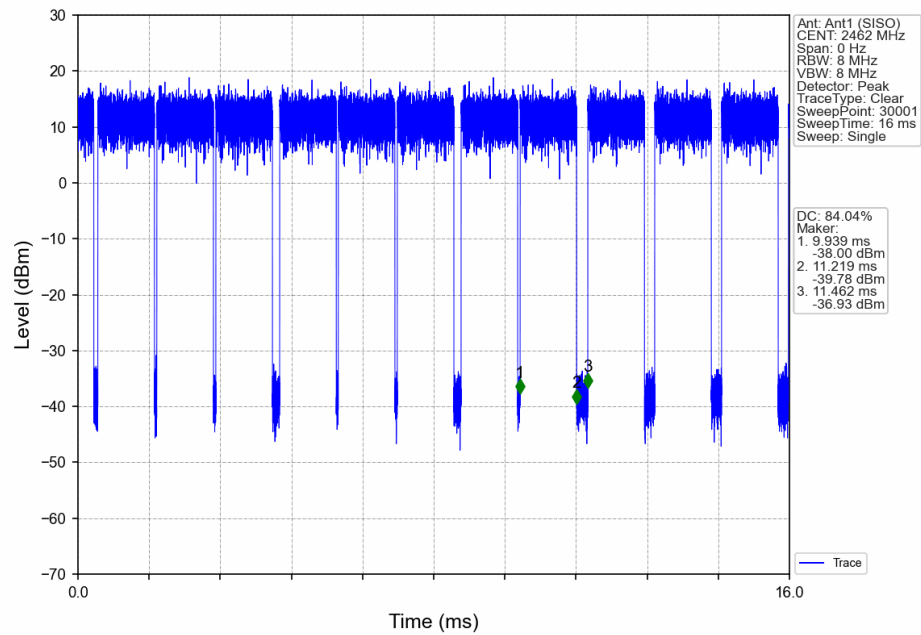


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

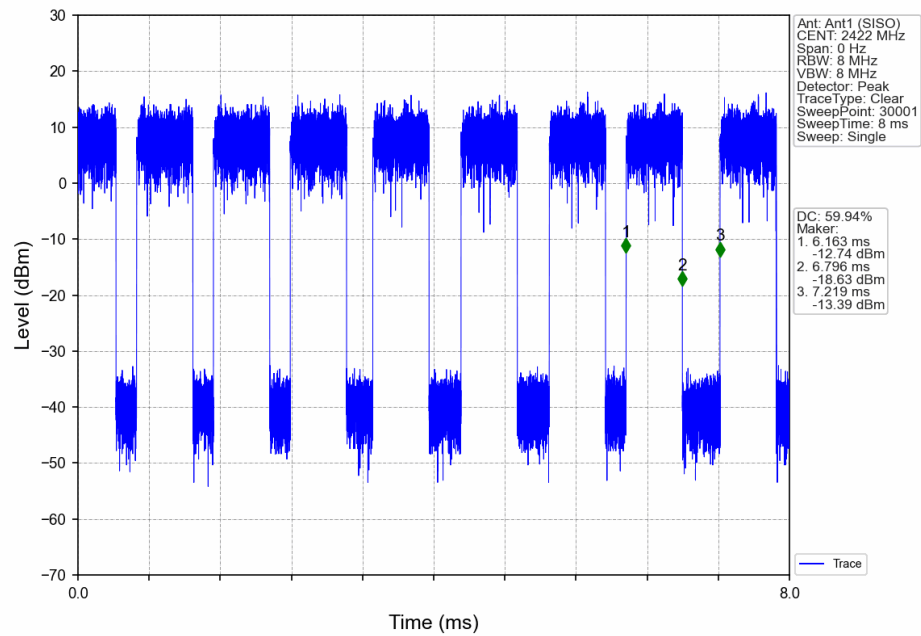




802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

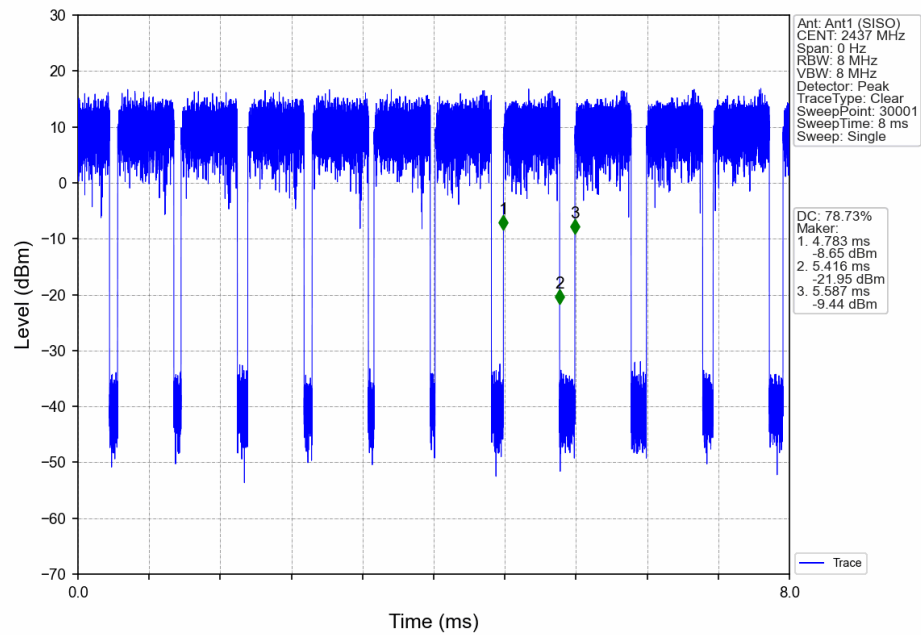


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

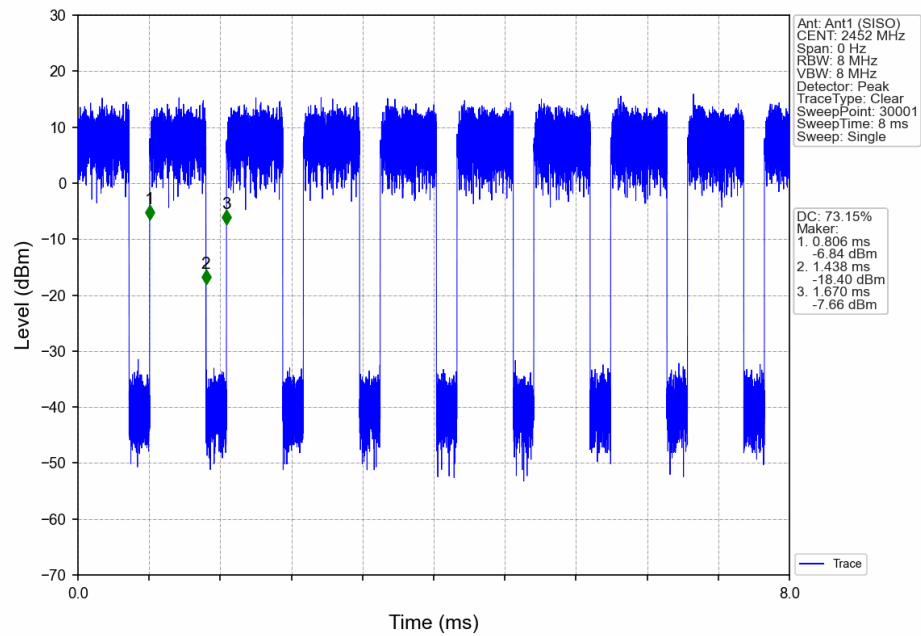




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV





2. Bandwidth

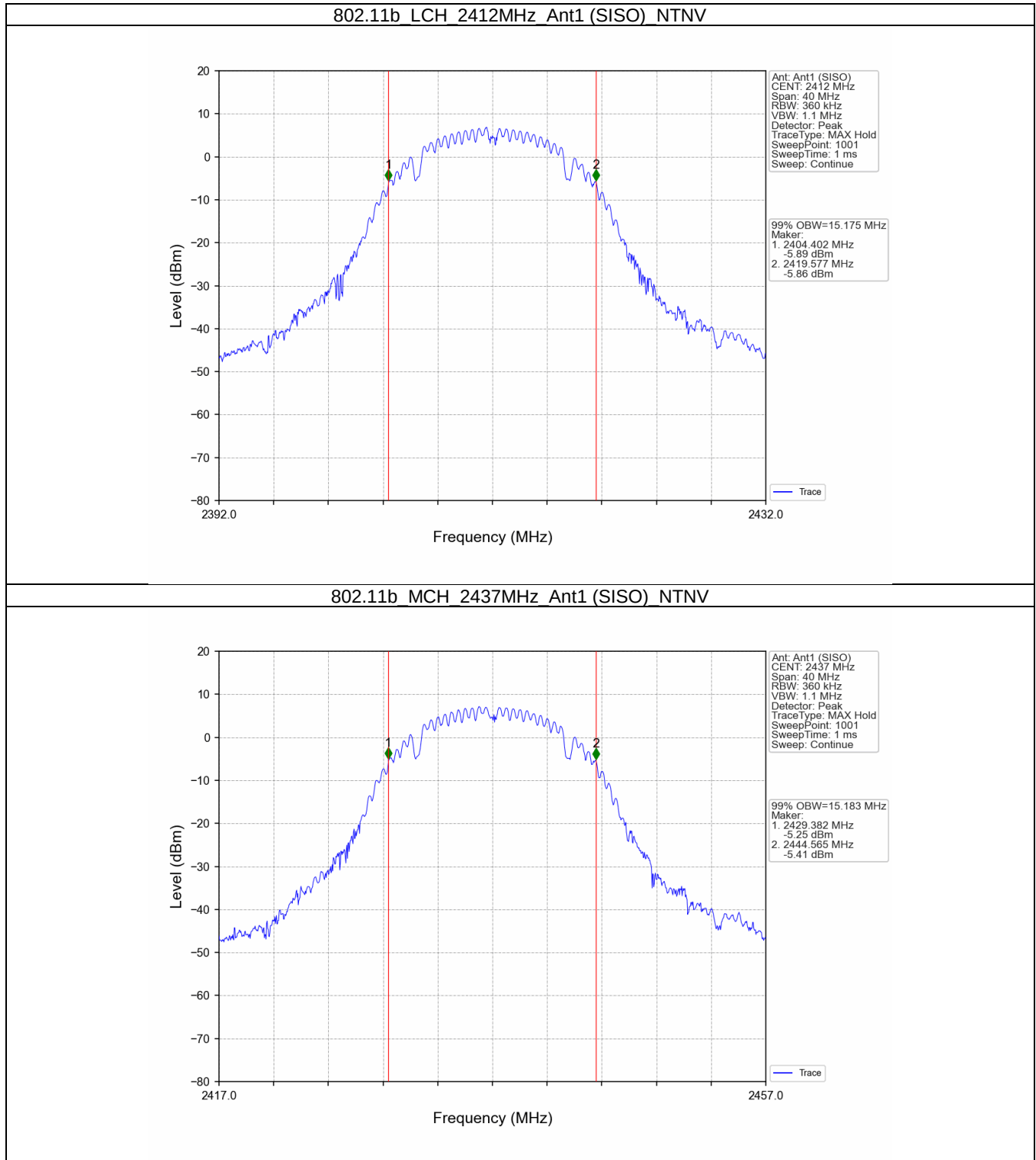
2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	15.175	/	Pass
		2437	1	15.183	/	Pass
		2462	1	15.139	/	Pass
802.11g	SISO	2412	1	18.308	/	Pass
		2437	1	18.376	/	Pass
		2462	1	18.293	/	Pass
802.11n (HT20)	SISO	2412	1	19.140	/	Pass
		2437	1	19.110	/	Pass
		2462	1	19.044	/	Pass
802.11n (HT40)	SISO	2422	1	37.934	/	Pass
		2437	1	38.016	/	Pass
		2452	1	37.904	/	Pass

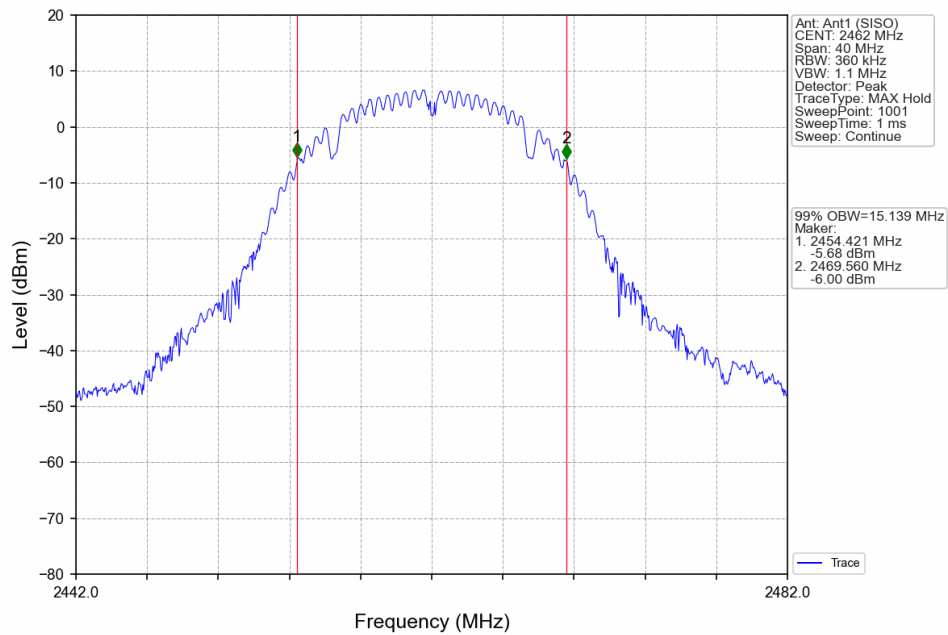


2.1.2 Test Graph

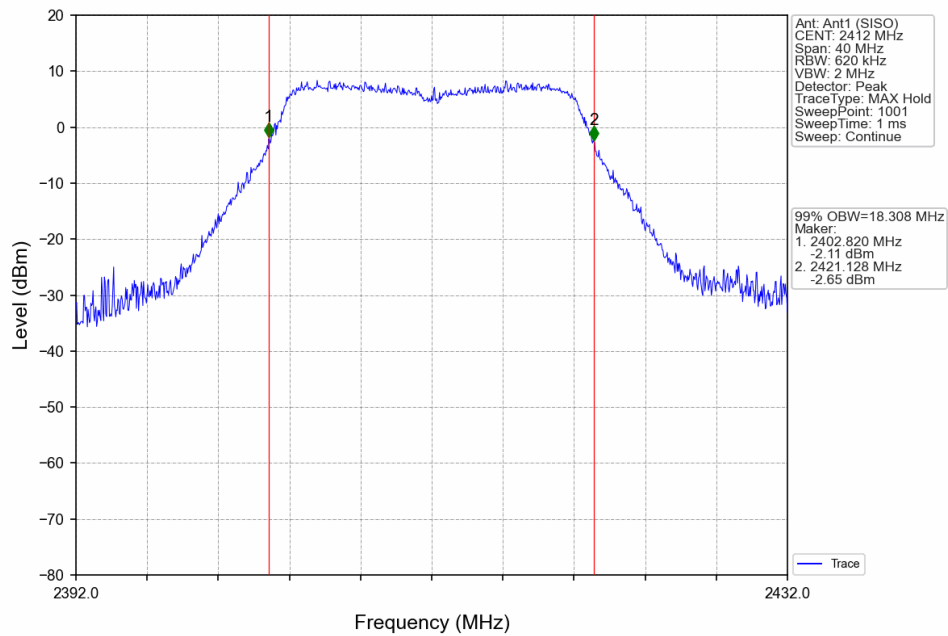




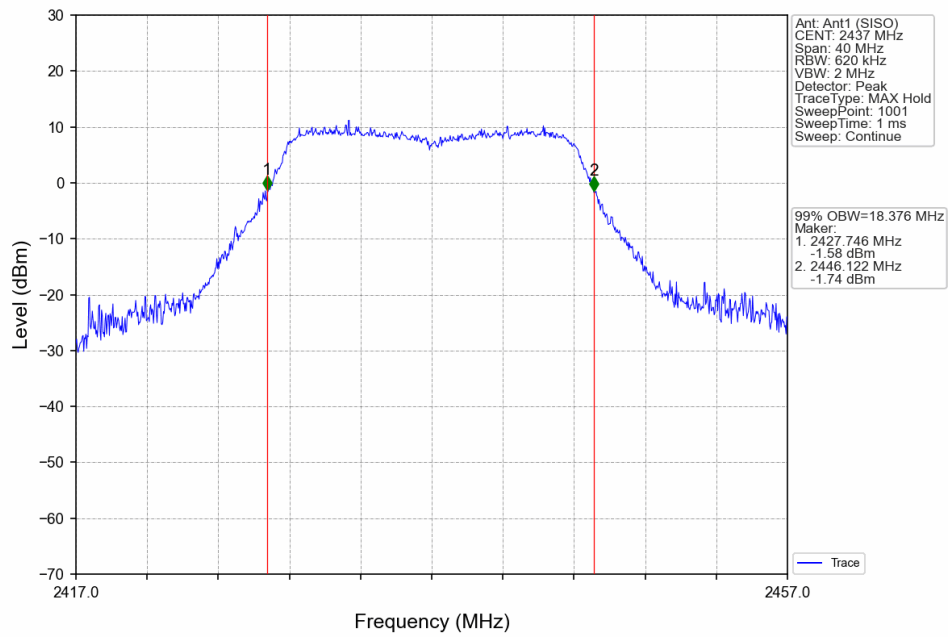
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



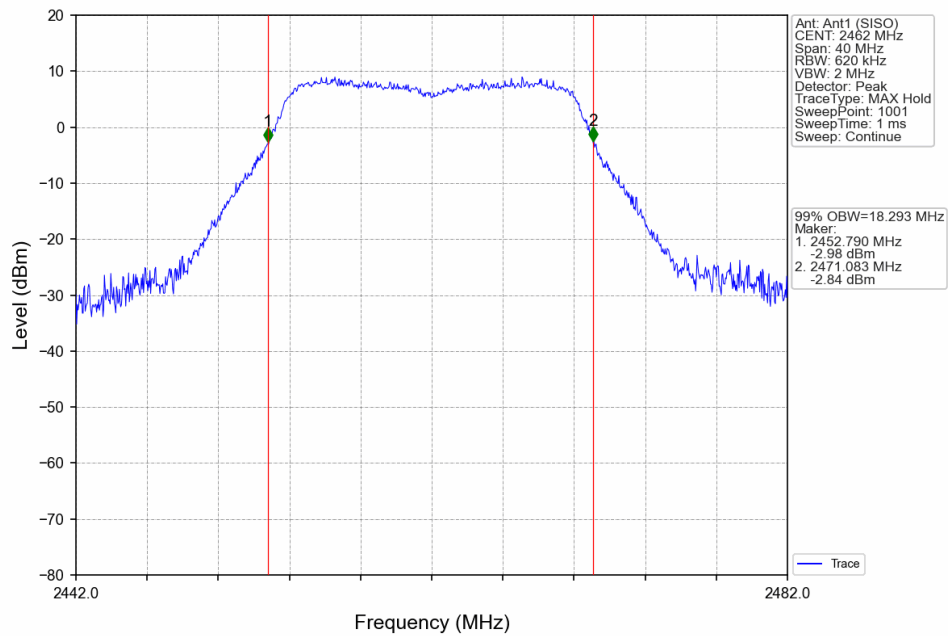
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

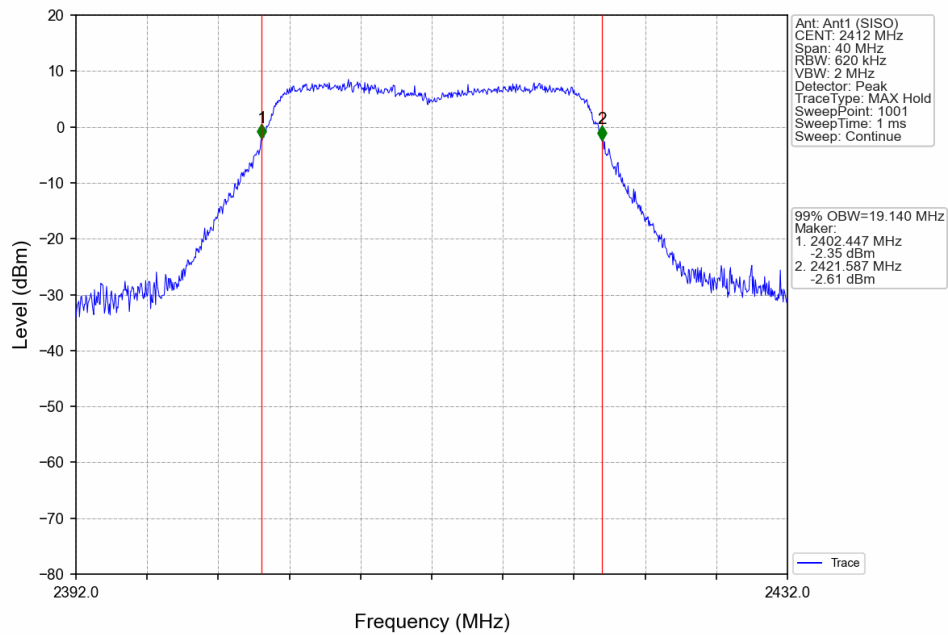


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

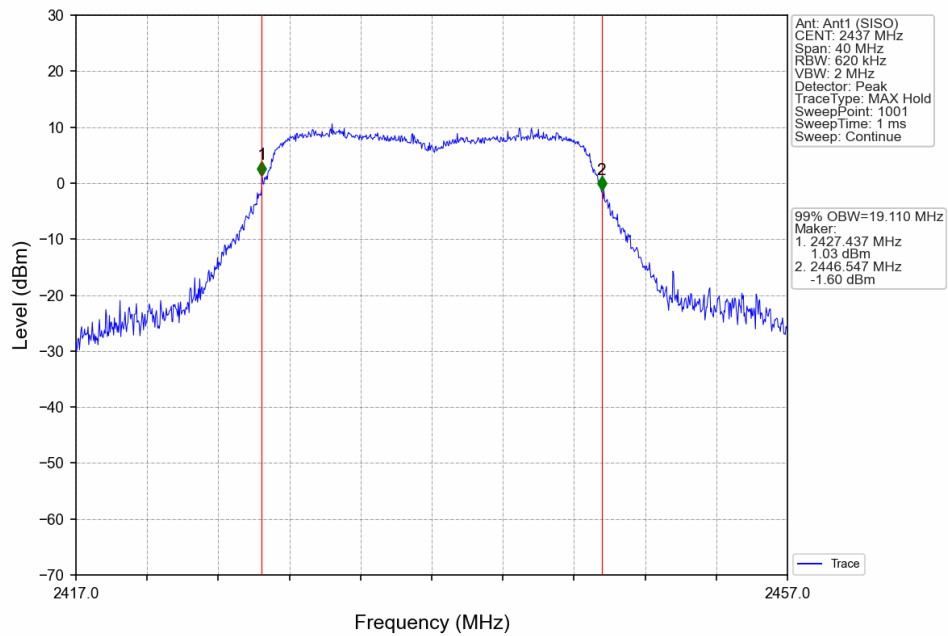




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

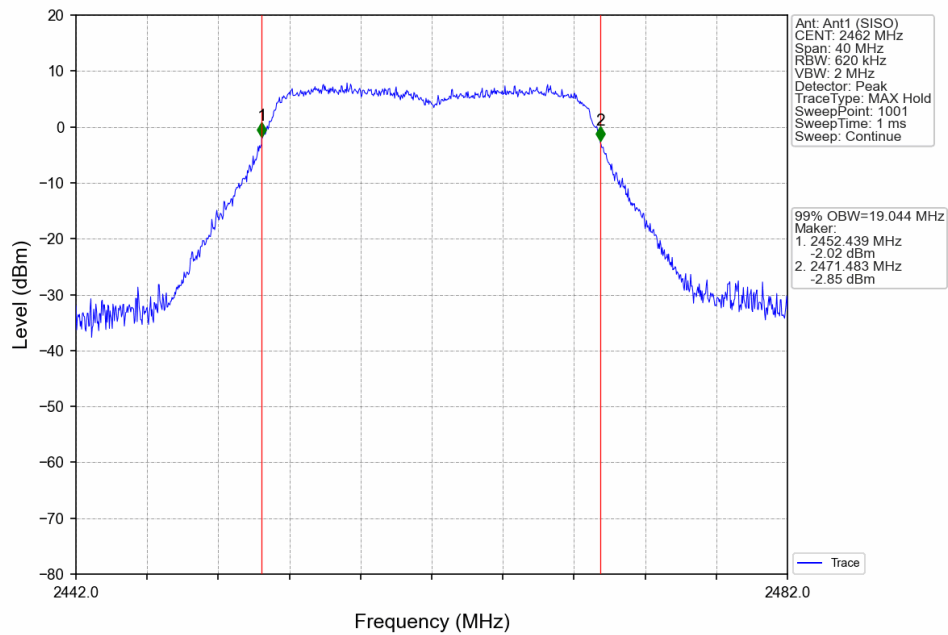


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

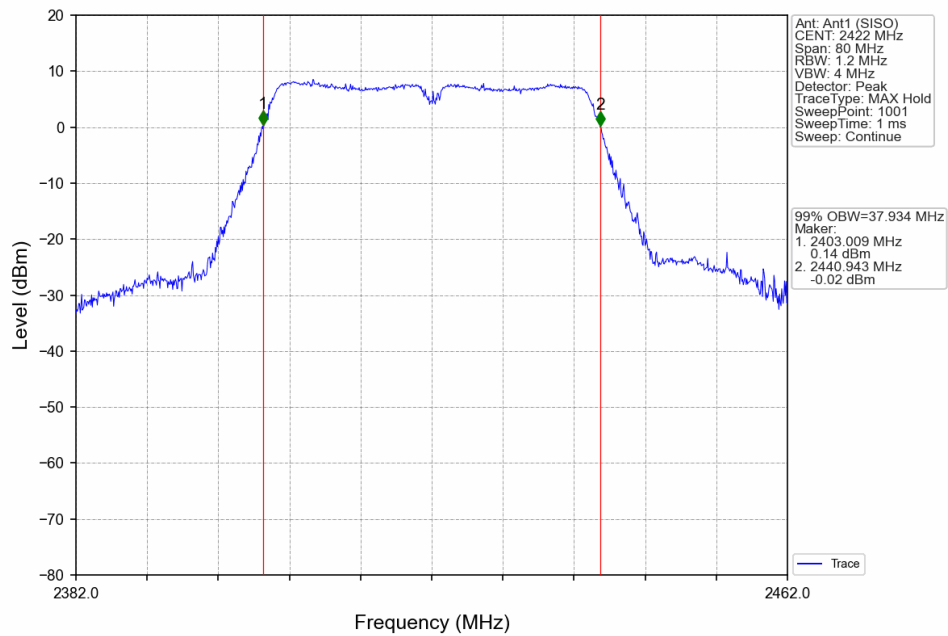




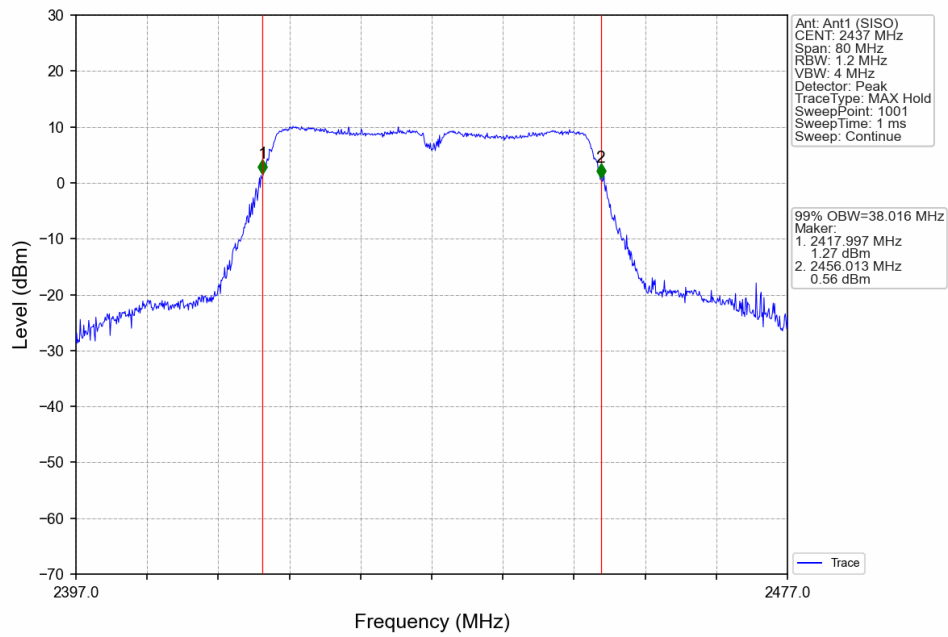
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



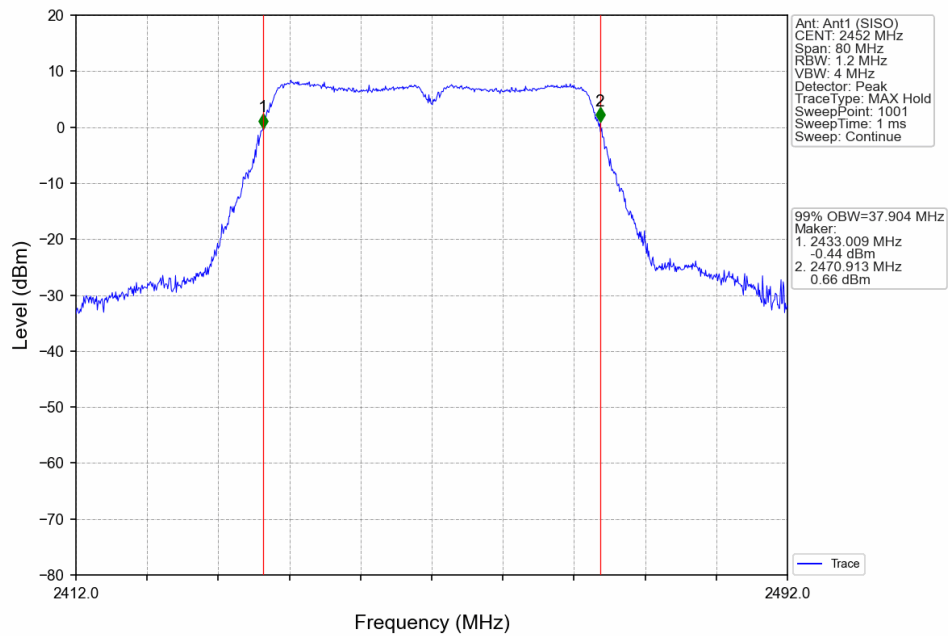
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV





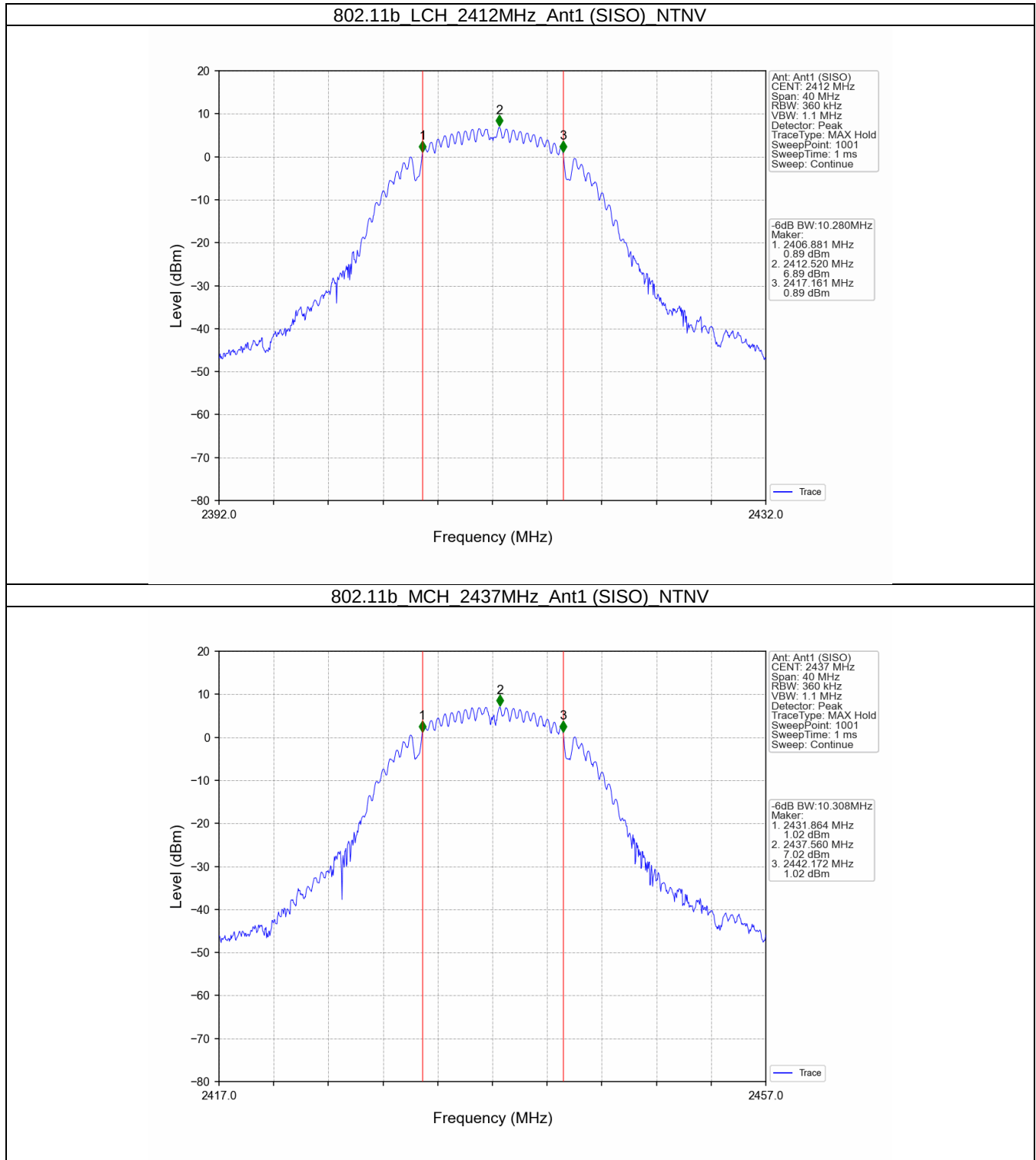
2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.280	≥ 0.5	Pass
		2437	1	10.308	≥ 0.5	Pass
		2462	1	10.278	≥ 0.5	Pass
802.11g	SISO	2412	1	16.796	≥ 0.5	Pass
		2437	1	16.873	≥ 0.5	Pass
		2462	1	16.864	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.879	≥ 0.5	Pass
		2437	1	17.934	≥ 0.5	Pass
		2462	1	17.781	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	37.016	≥ 0.5	Pass
		2437	1	36.724	≥ 0.5	Pass
		2452	1	36.747	≥ 0.5	Pass

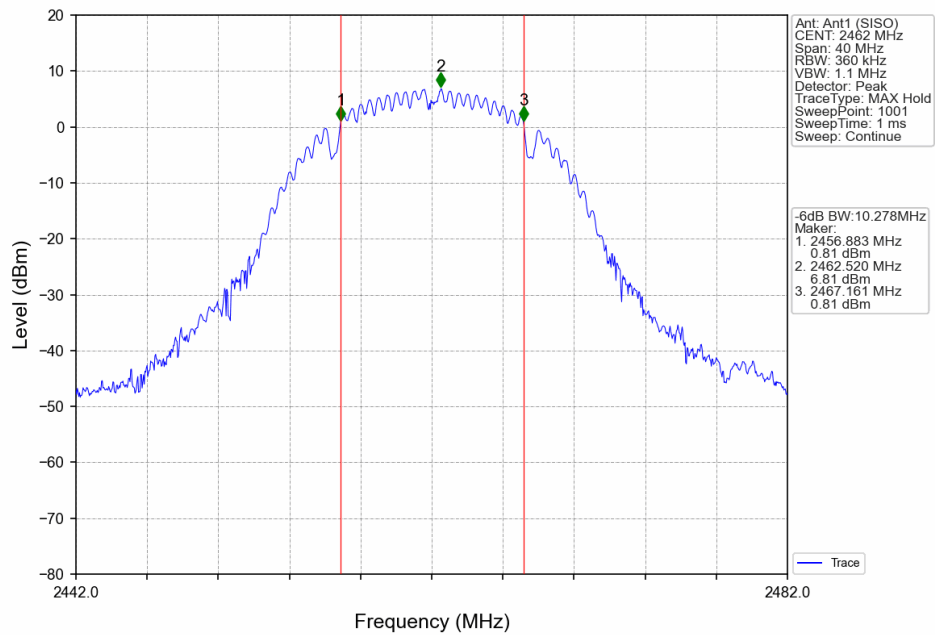


2.2.2 Test Graph

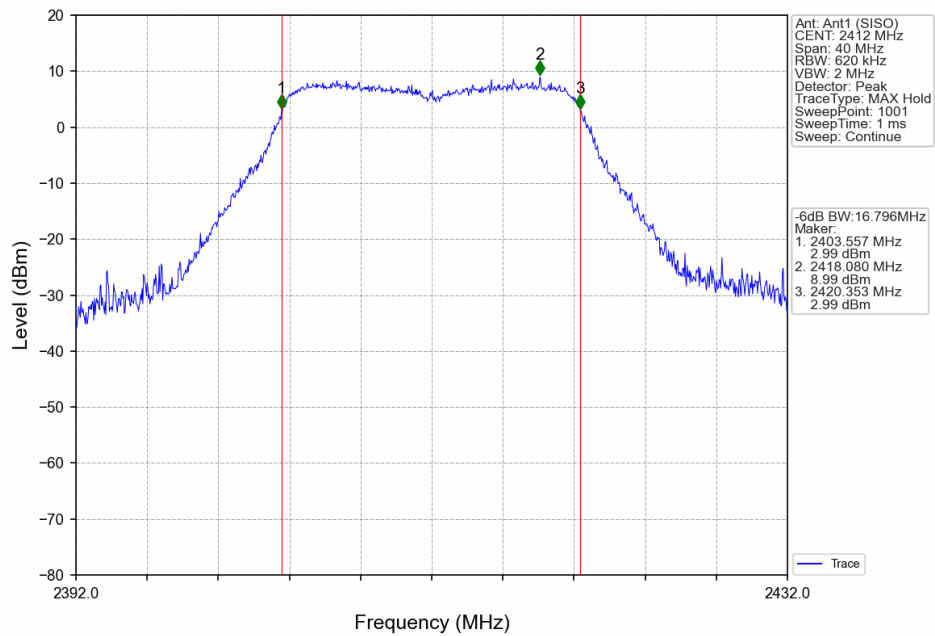




802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

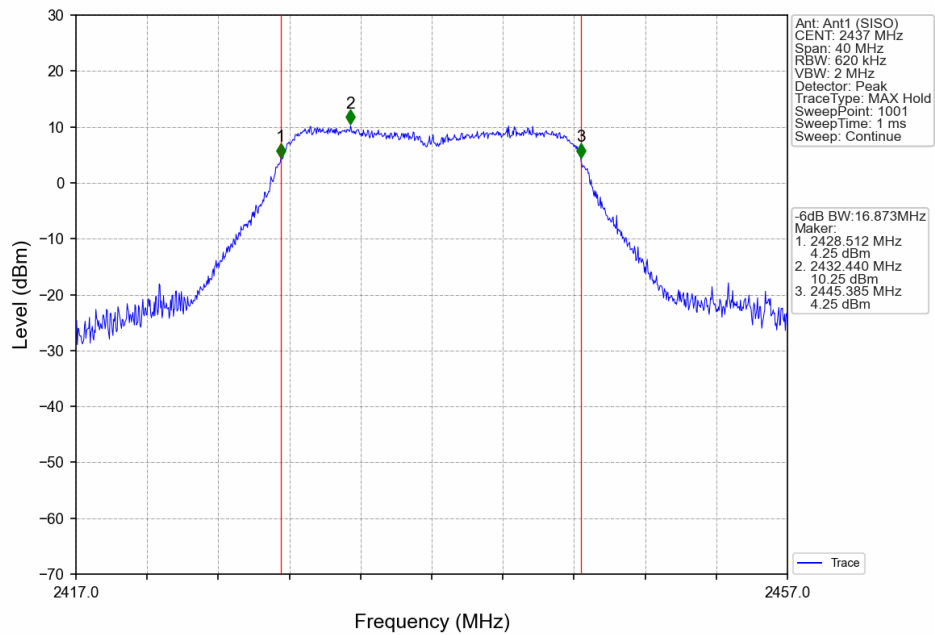


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

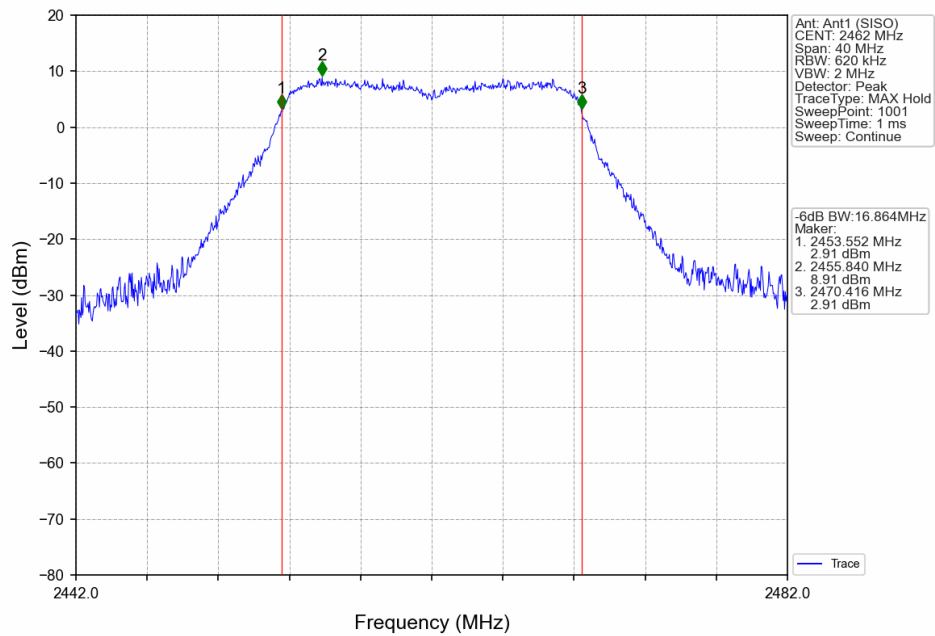




802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

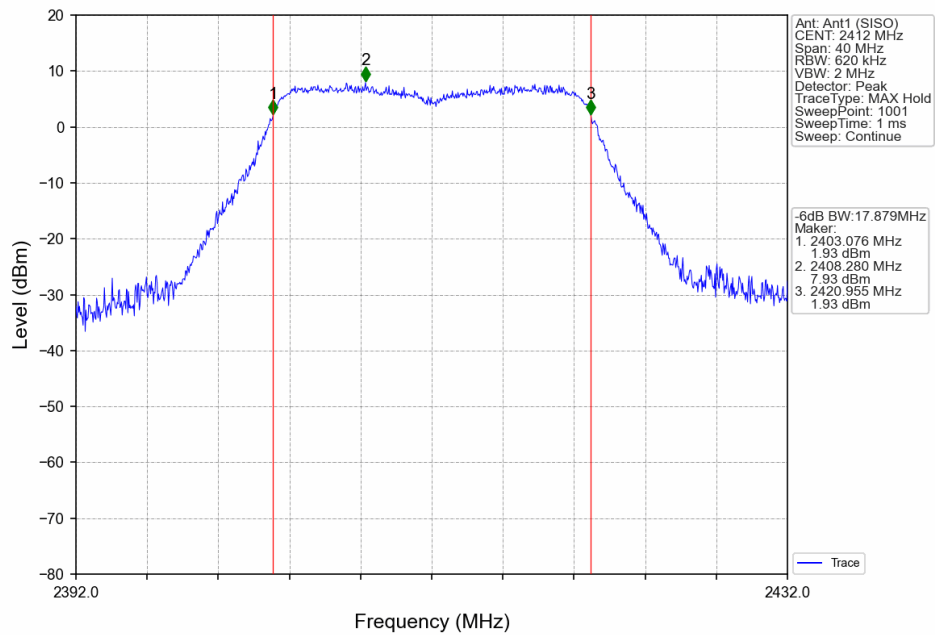


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

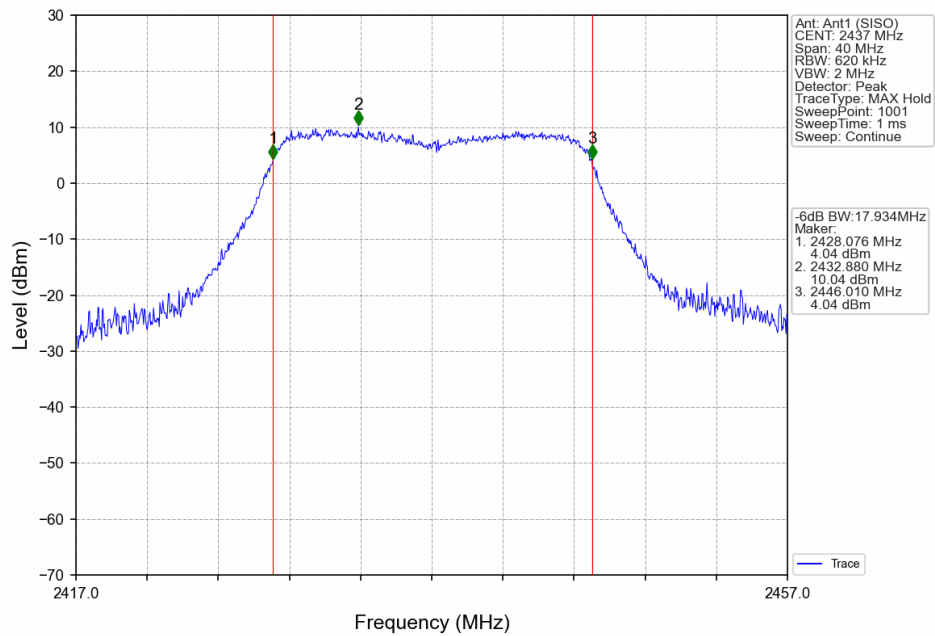




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

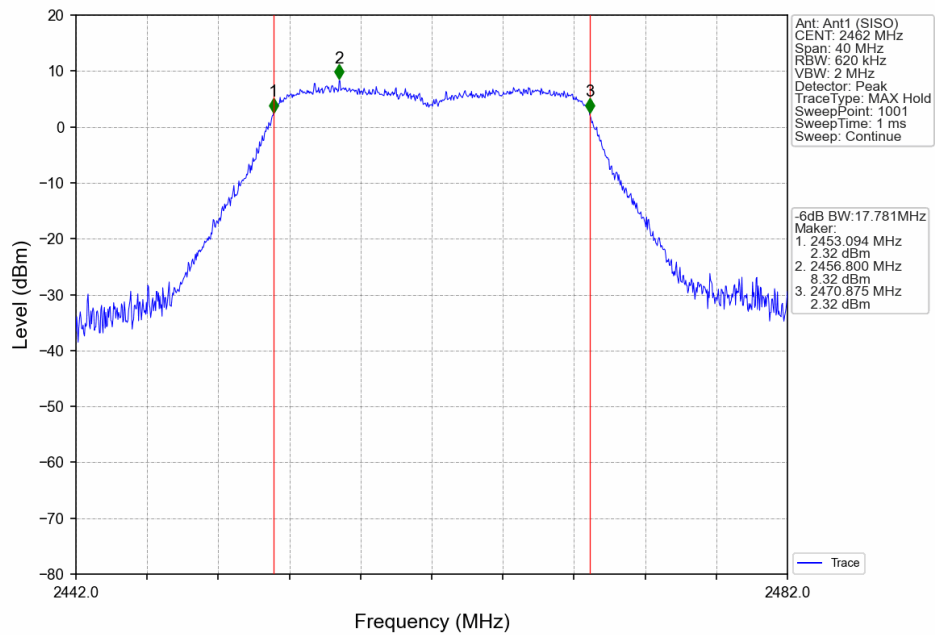


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

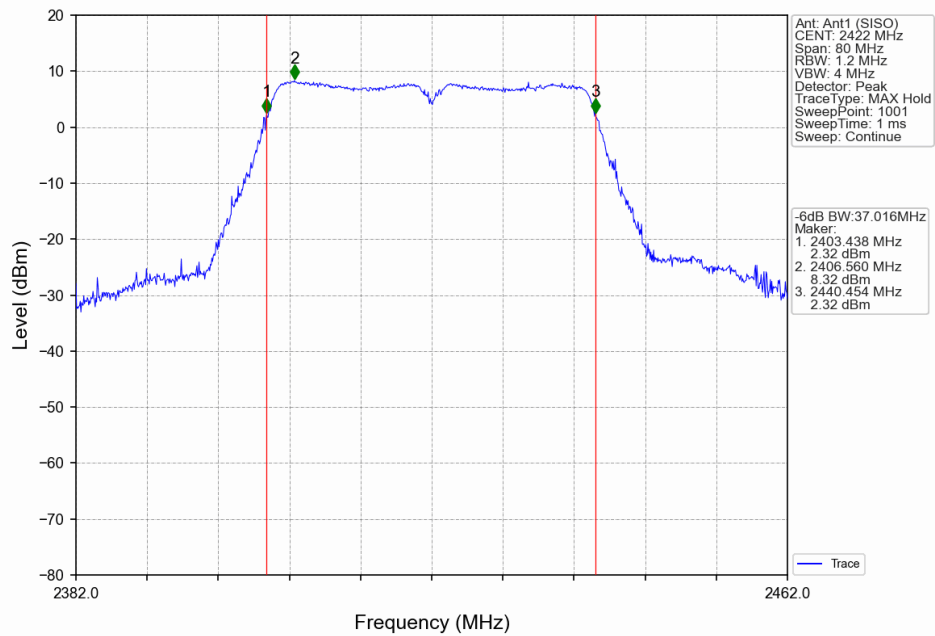




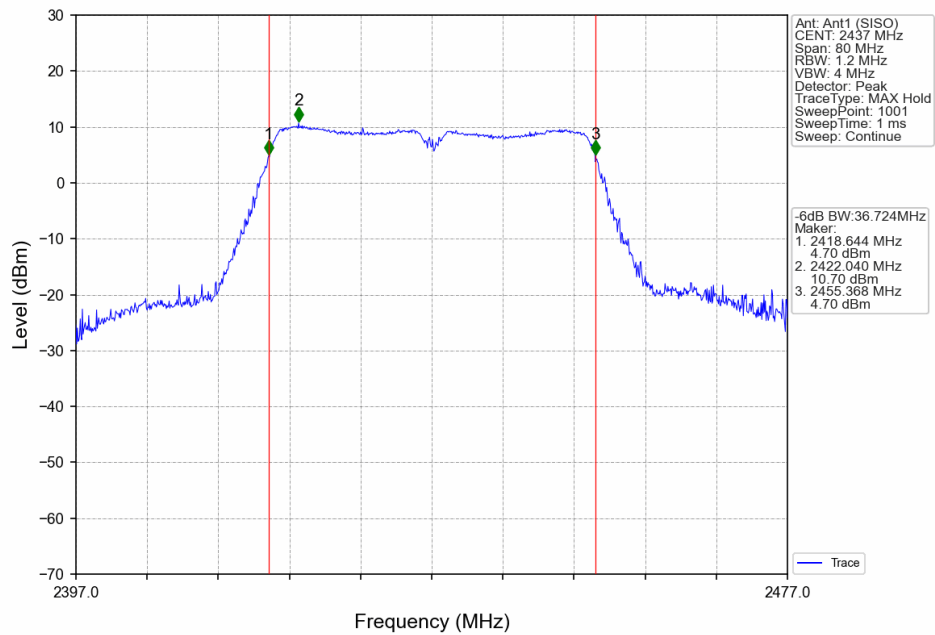
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



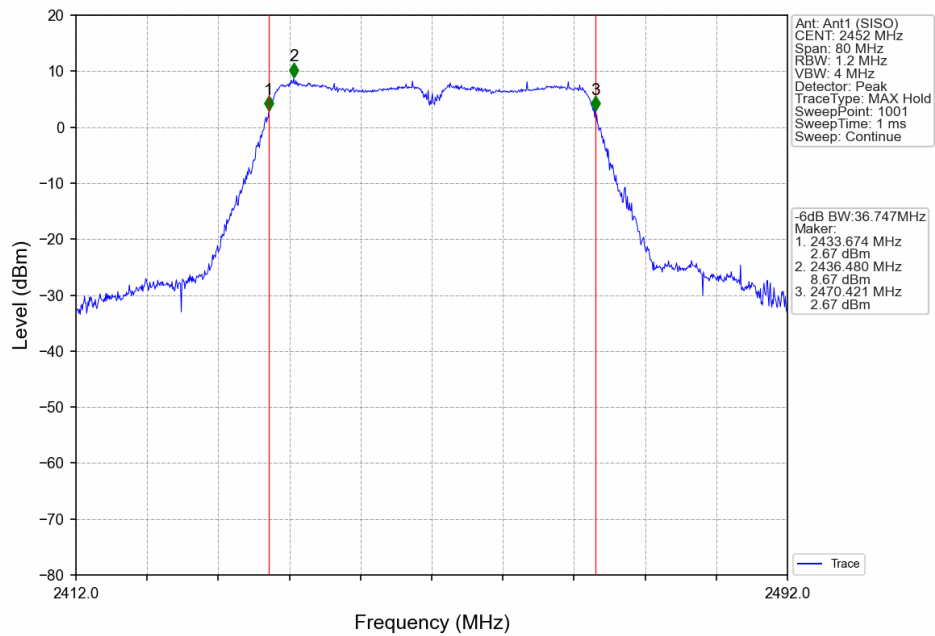
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV





3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	17.75	<=30	Pass
		2437	18.11	<=30	Pass
		2462	17.72	<=30	Pass
802.11g	SISO	2412	20.62	<=30	Pass
		2437	22.34	<=30	Pass
		2462	20.89	<=30	Pass
802.11n (HT20)	SISO	2412	20.53	<=30	Pass
		2437	22.42	<=30	Pass
		2462	19.97	<=30	Pass
802.11n (HT40)	SISO	2422	20.72	<=30	Pass
		2437	22.55	<=30	Pass
		2452	20.58	<=30	Pass

Note1: Antenna Gain: Ant1: 1.26dBi;



4. Maximum Power Spectral Density

4.1 PSD

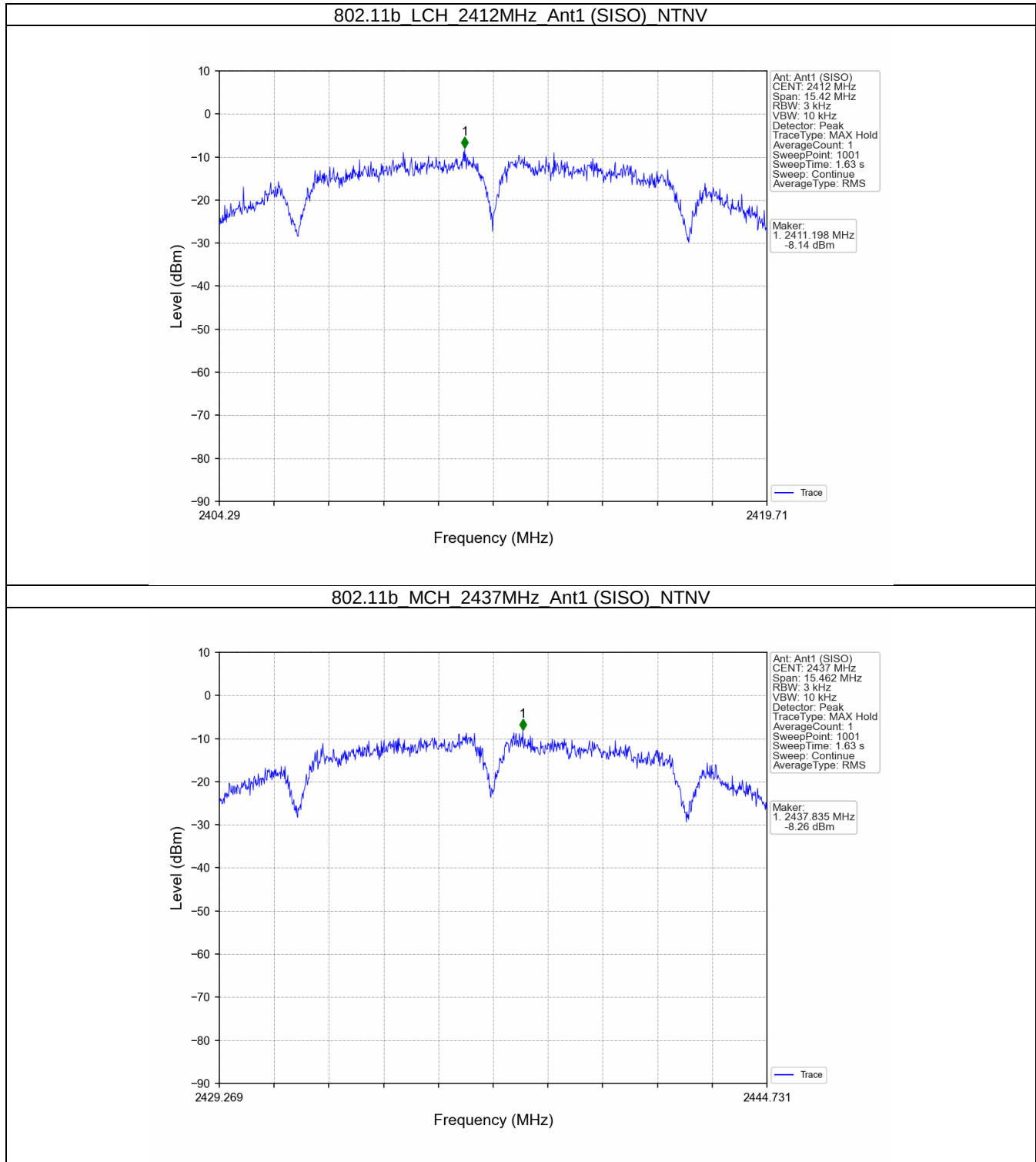
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-8.14	<=8	Pass
		2437	-8.26	<=8	Pass
		2462	-8.15	<=8	Pass
802.11g	SISO	2412	-11.19	<=8	Pass
		2437	-10.47	<=8	Pass
		2462	-11.42	<=8	Pass
802.11n (HT20)	SISO	2412	-11.69	<=8	Pass
		2437	-10.02	<=8	Pass
		2462	-13.29	<=8	Pass
802.11n (HT40)	SISO	2422	-14.82	<=8	Pass
		2437	-12.81	<=8	Pass
		2452	-15.92	<=8	Pass

Note1: Antenna Gain: Ant1: 1.26dBi;

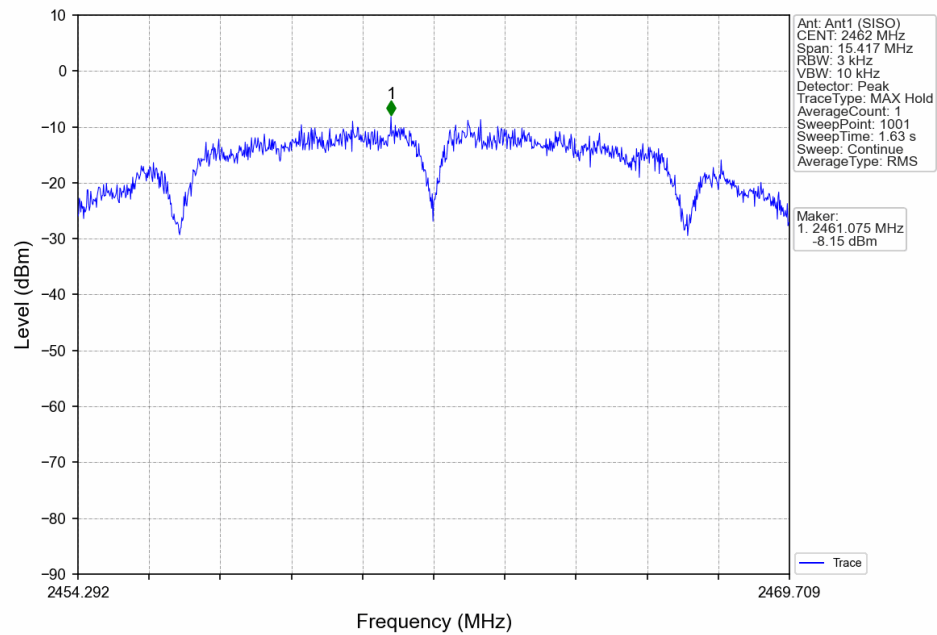


4.1.2 Test Graph

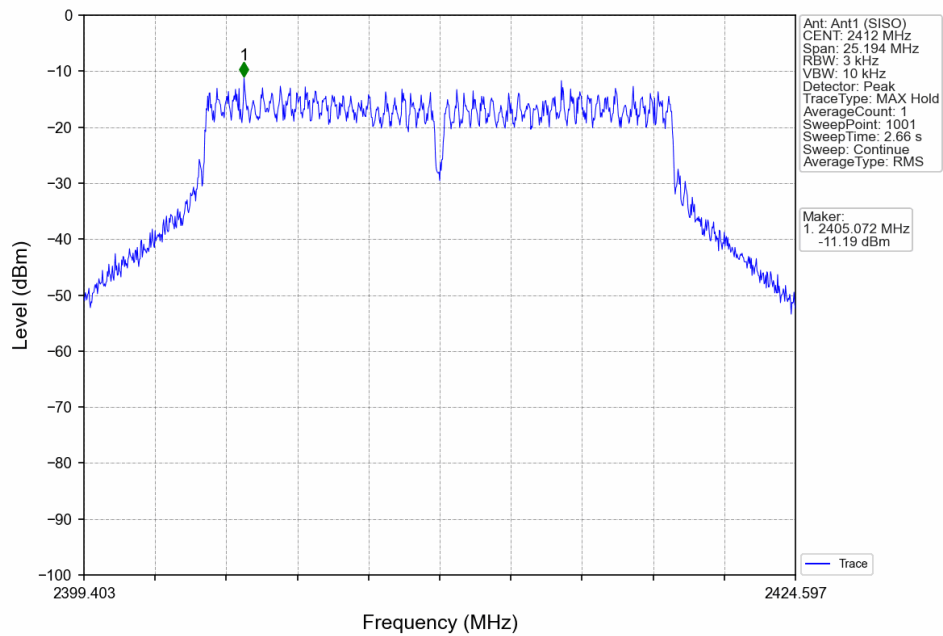




802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

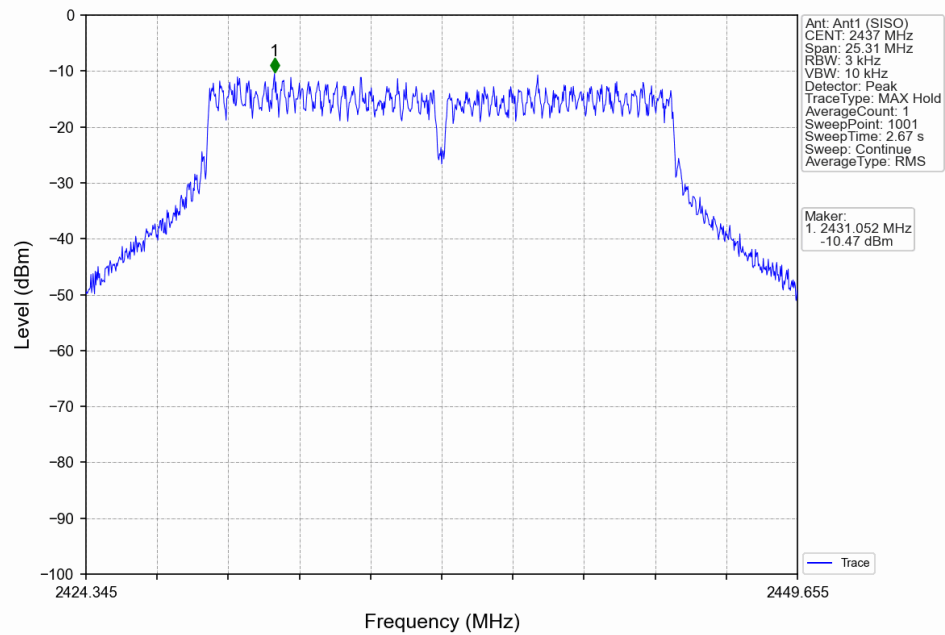


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

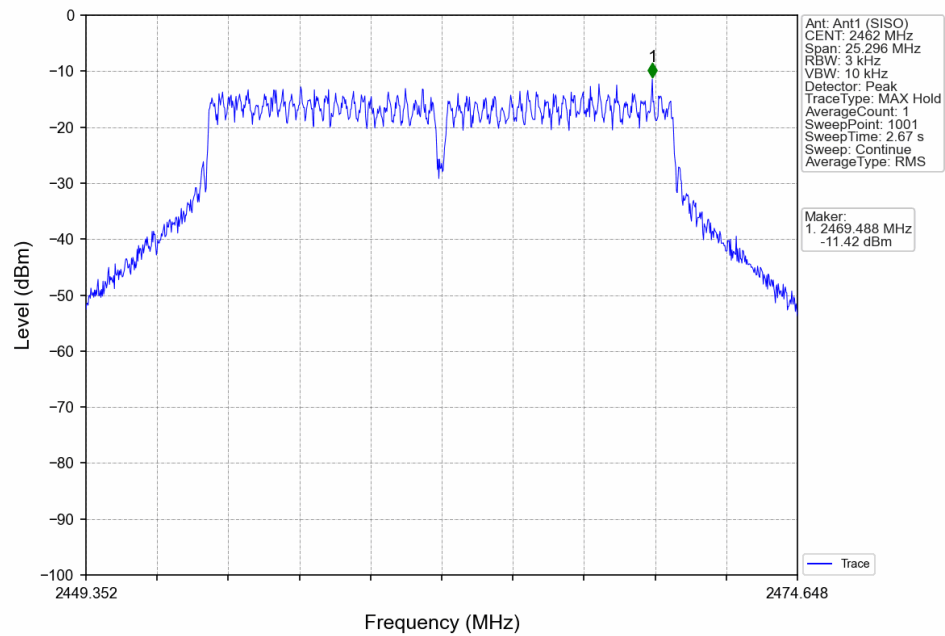




802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

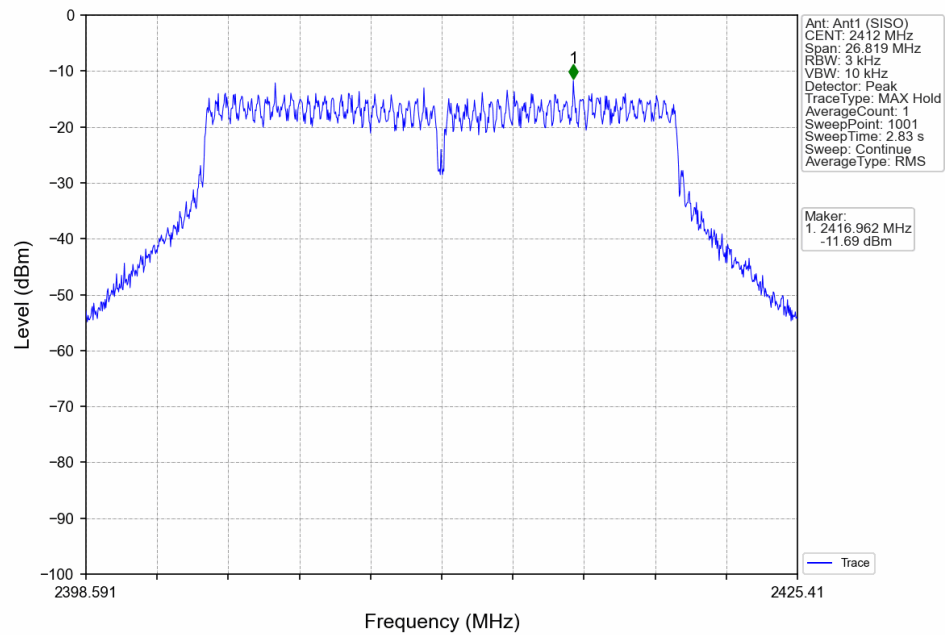


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

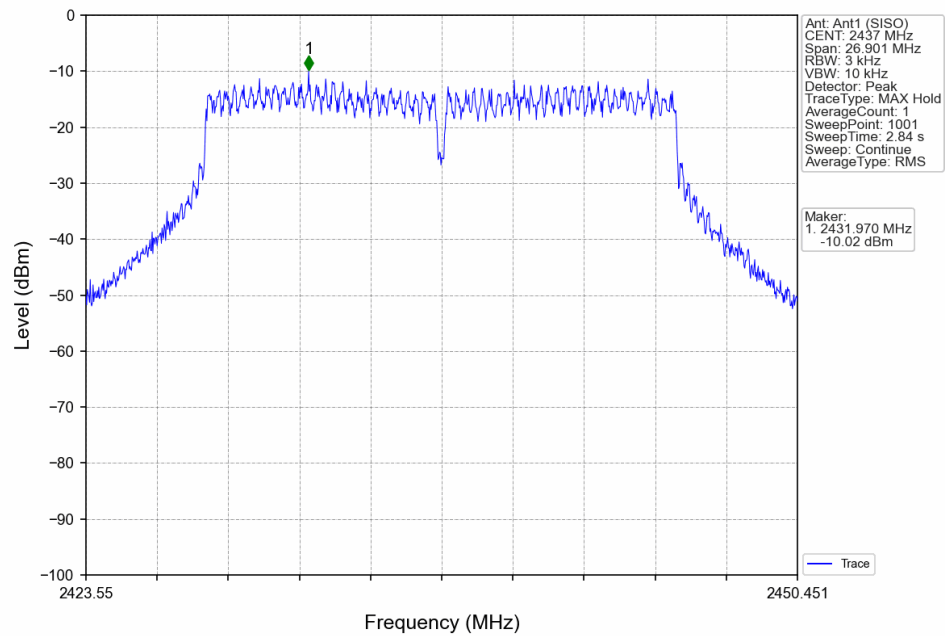




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

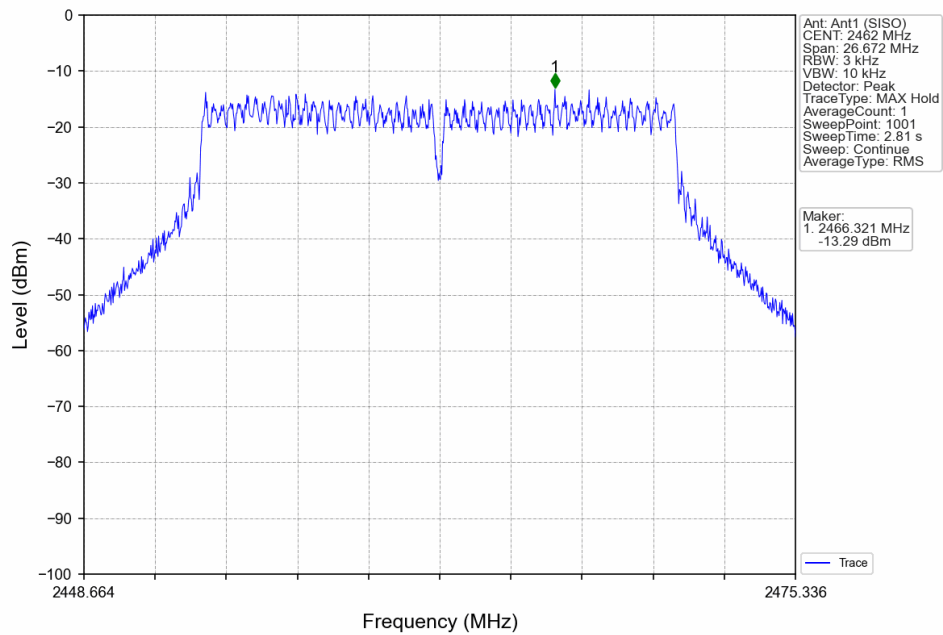


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

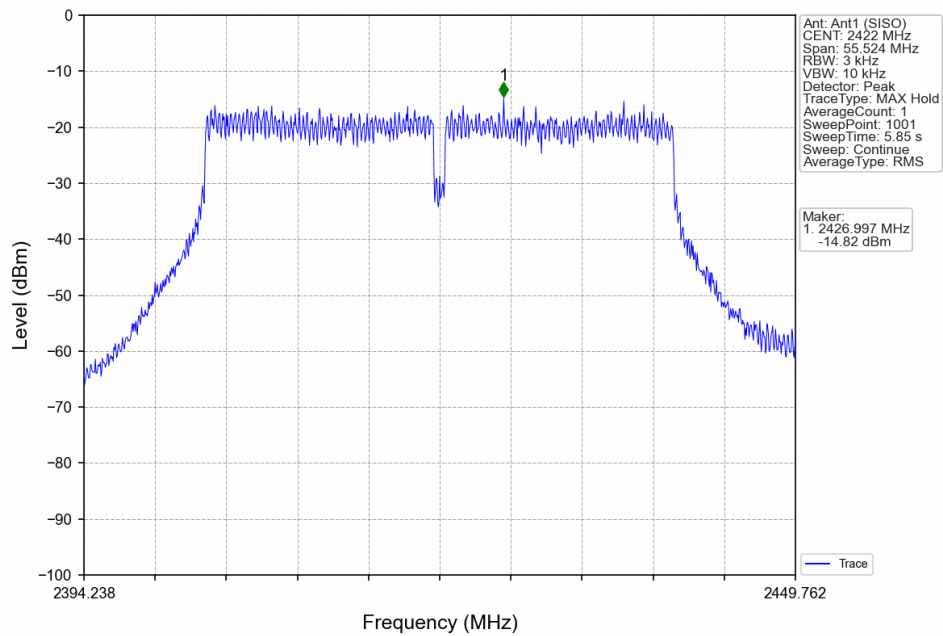




802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

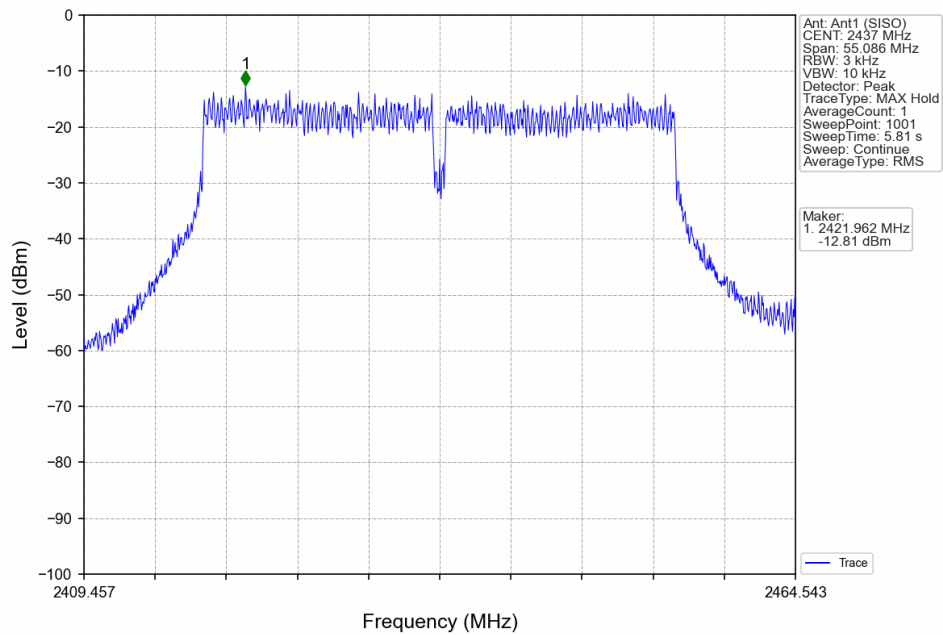


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

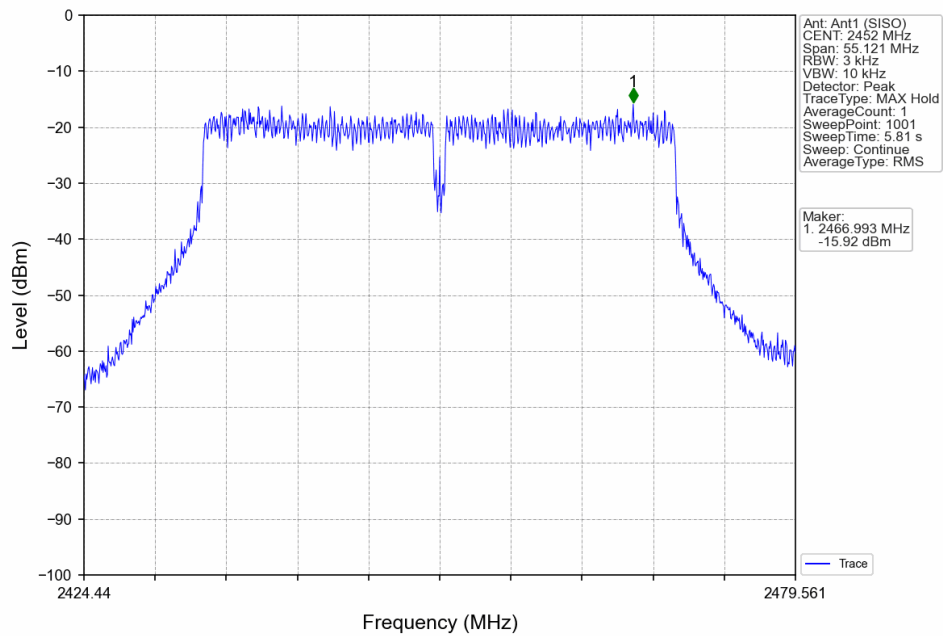




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV





5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

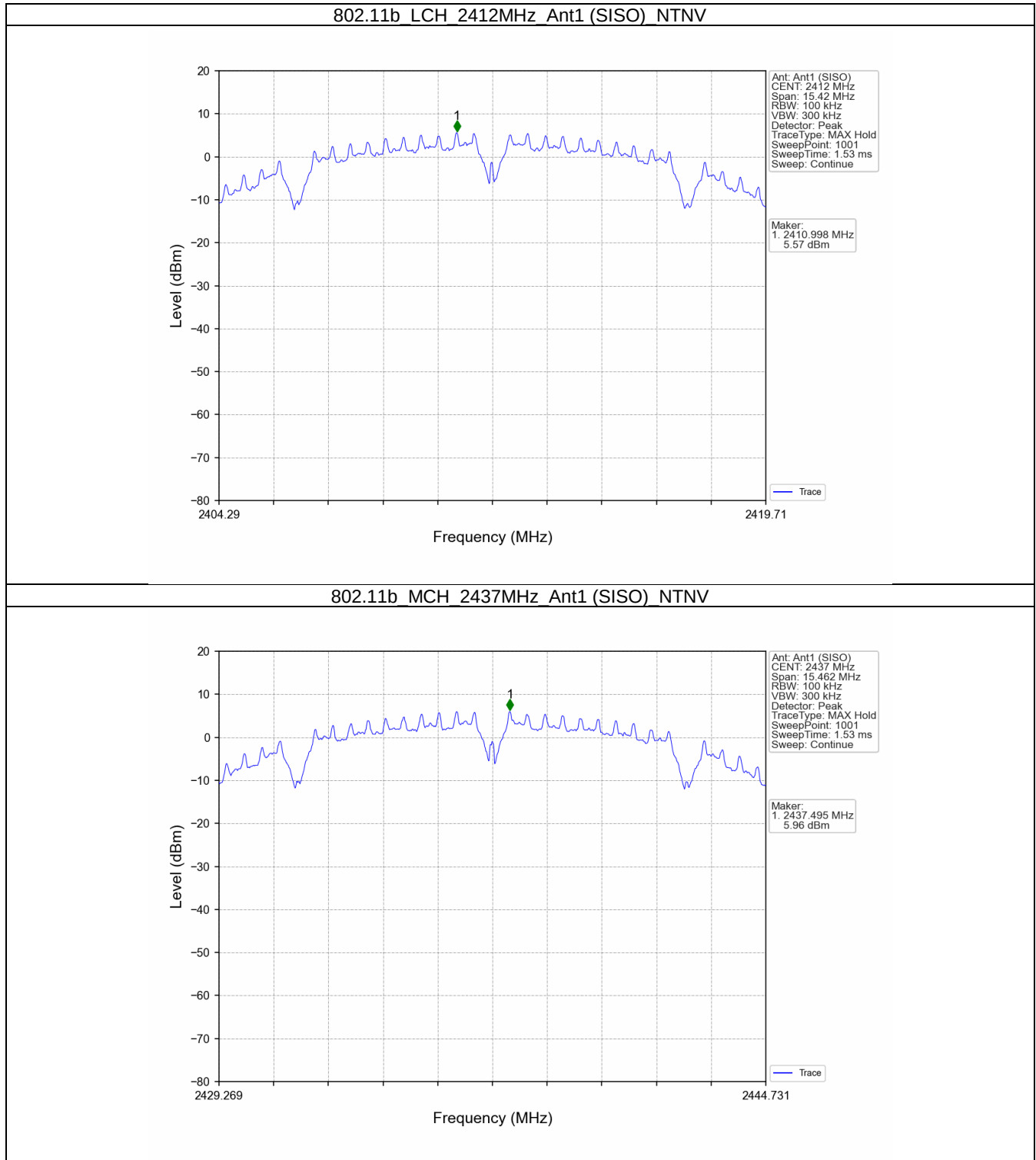
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.57
		2437	1	5.96
		2462	1	5.56
802.11g	SISO	2412	1	2.01
		2437	1	3.69
		2462	1	2.32
802.11n (HT20)	SISO	2412	1	2.00
		2437	1	4.07
		2462	1	1.57
802.11n (HT40)	SISO	2422	1	-0.60
		2437	1	1.08
		2452	1	-1.47

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.

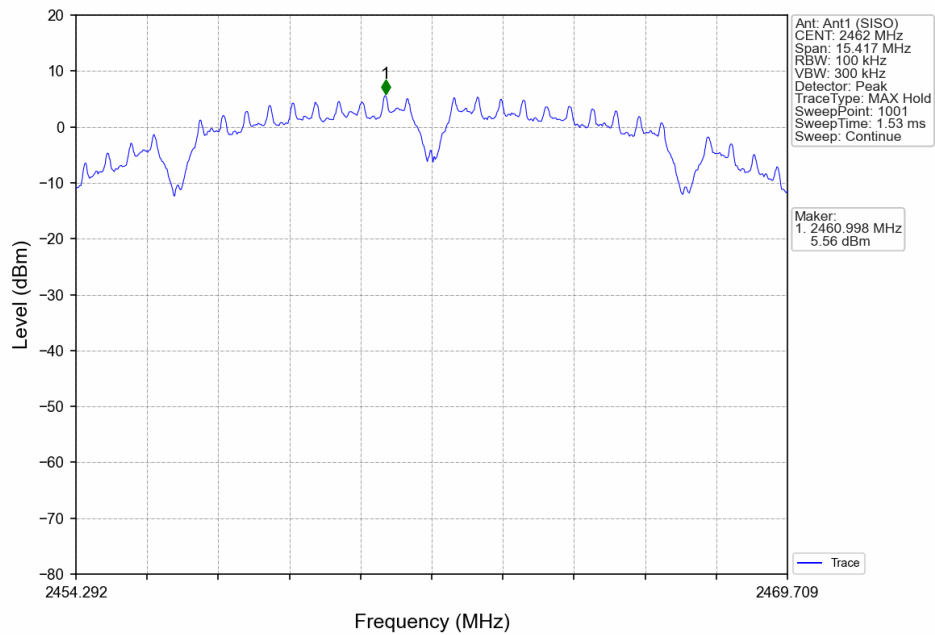


5.1.2 Test Graph

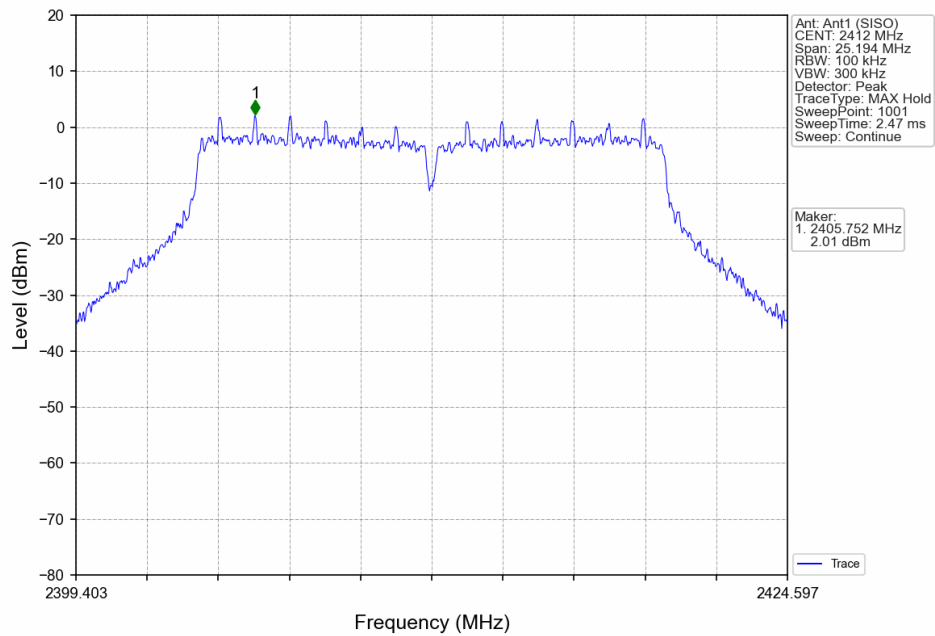




802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

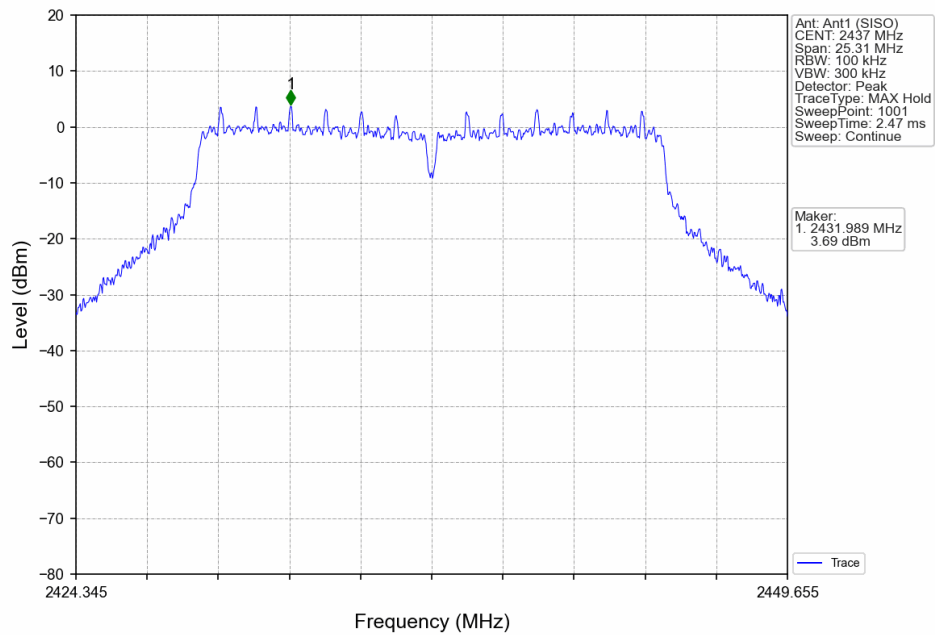


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

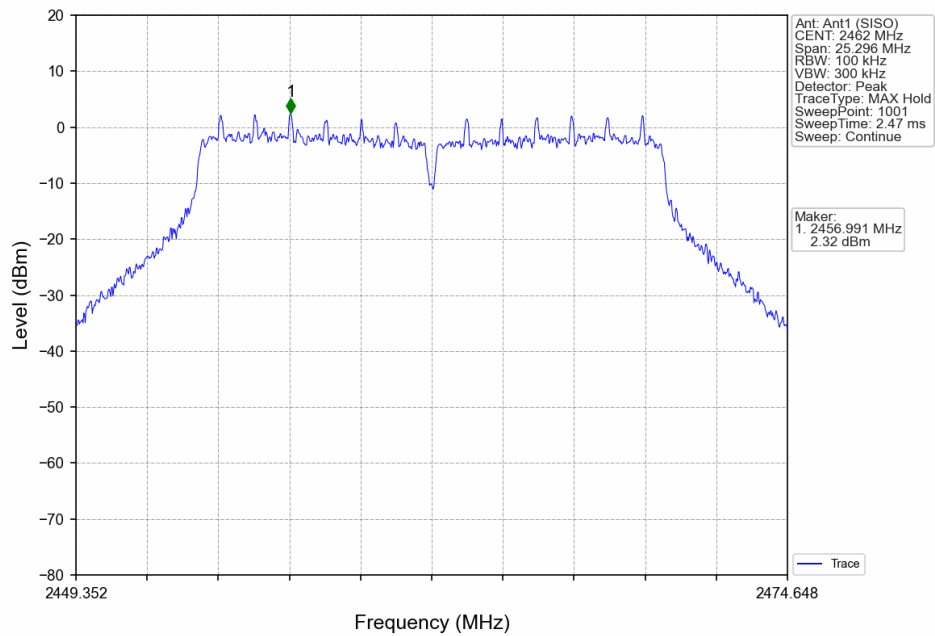




802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

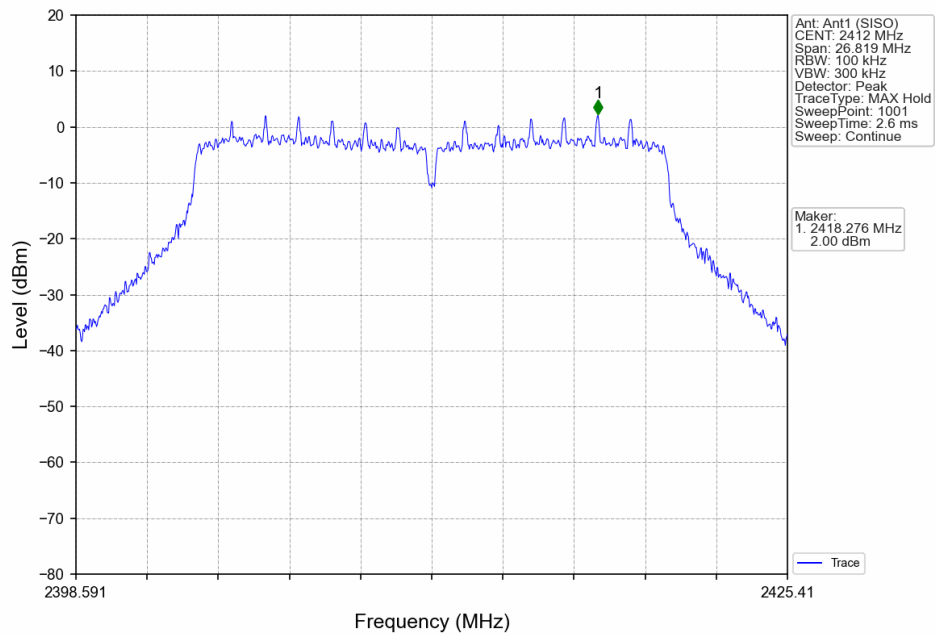


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

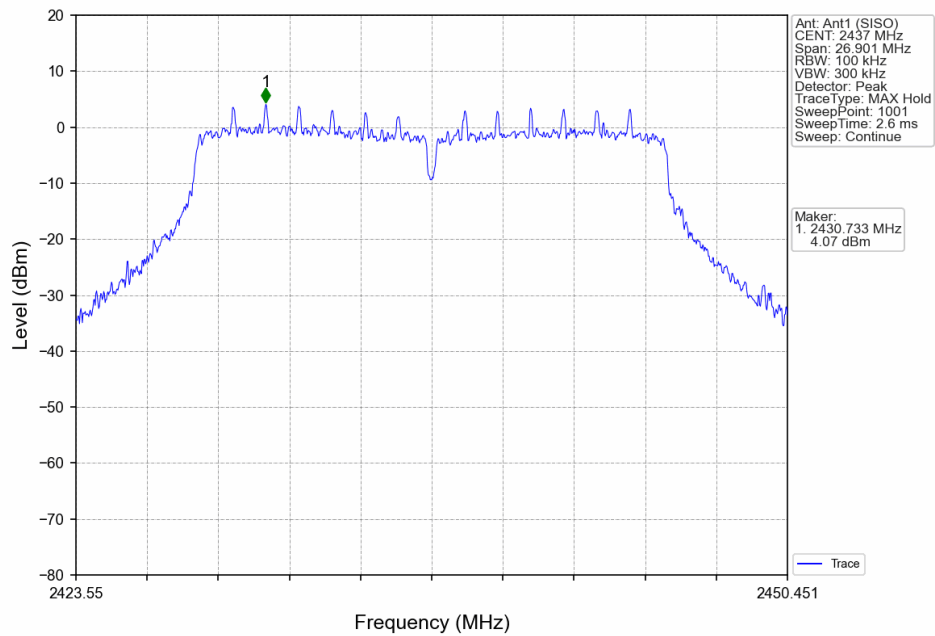




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

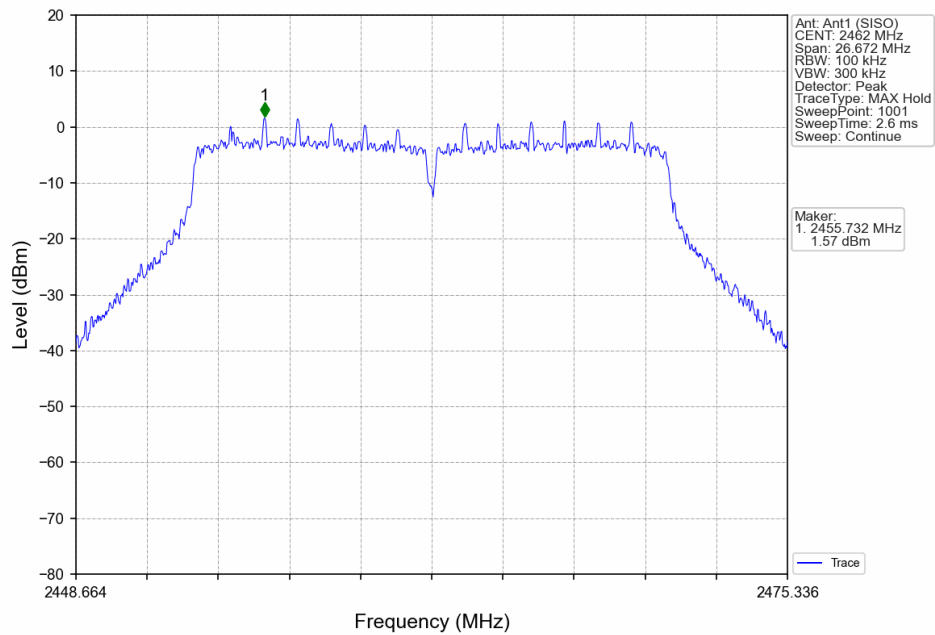


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

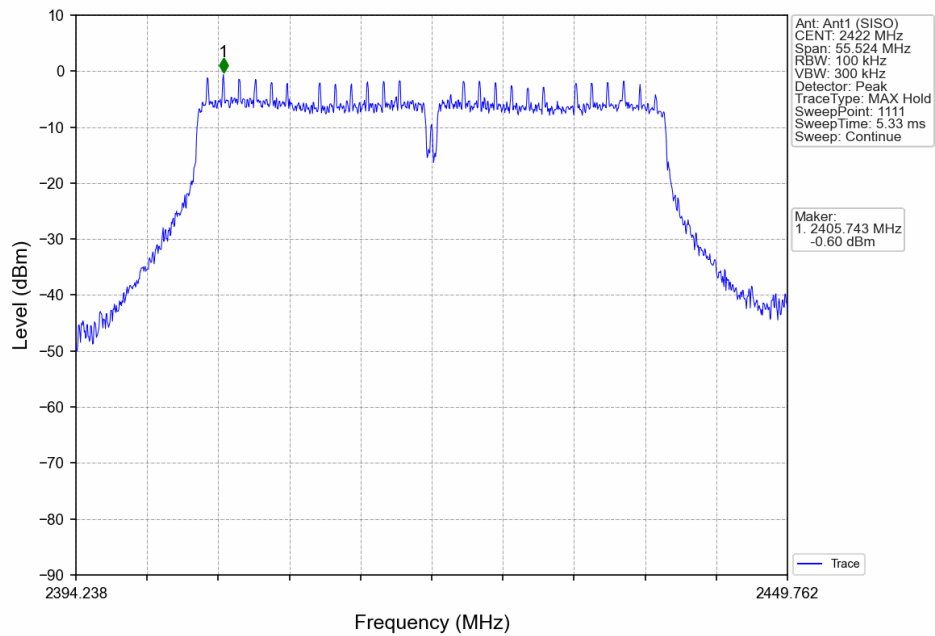




802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

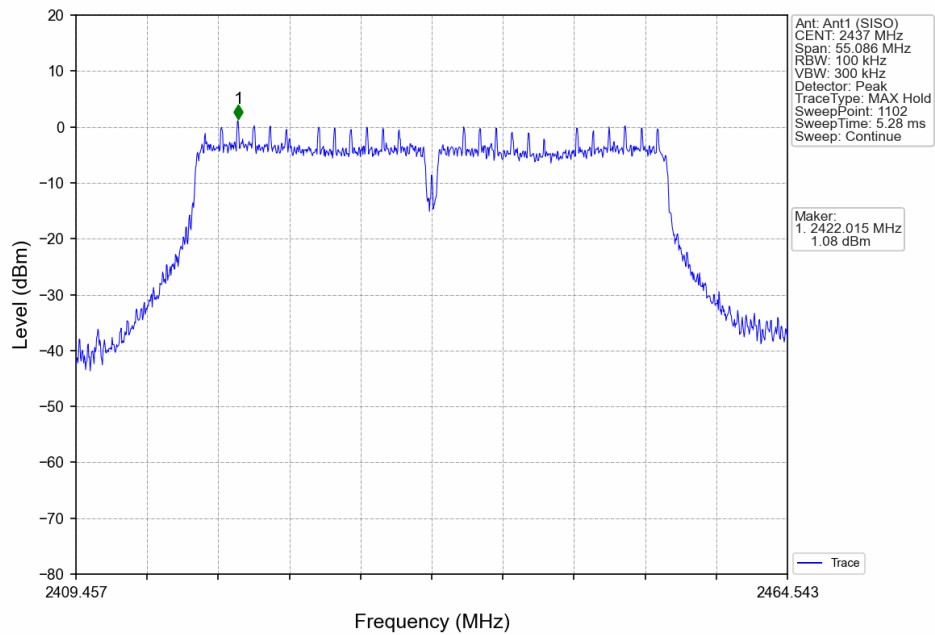


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

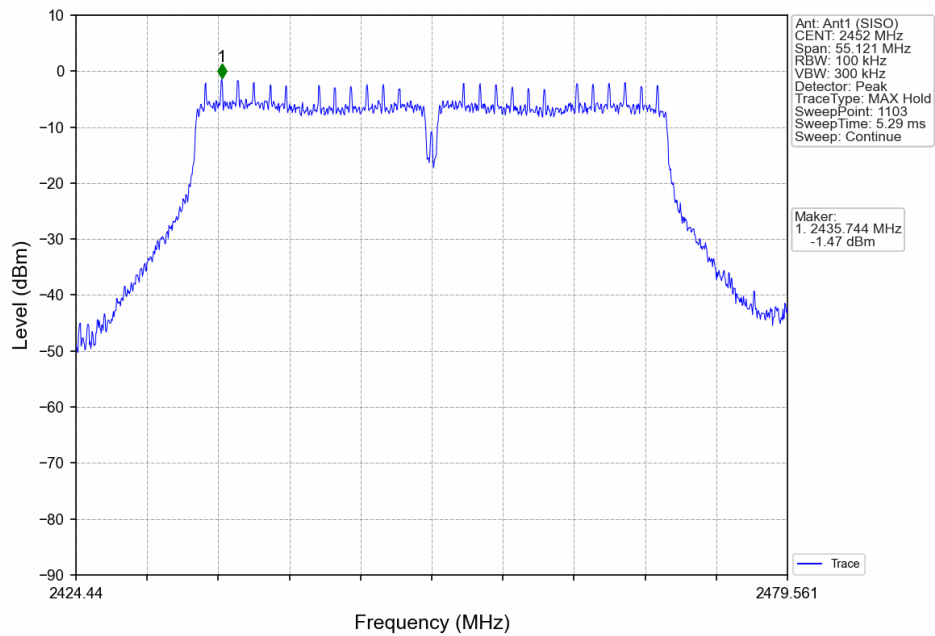




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV





5.2 CSE

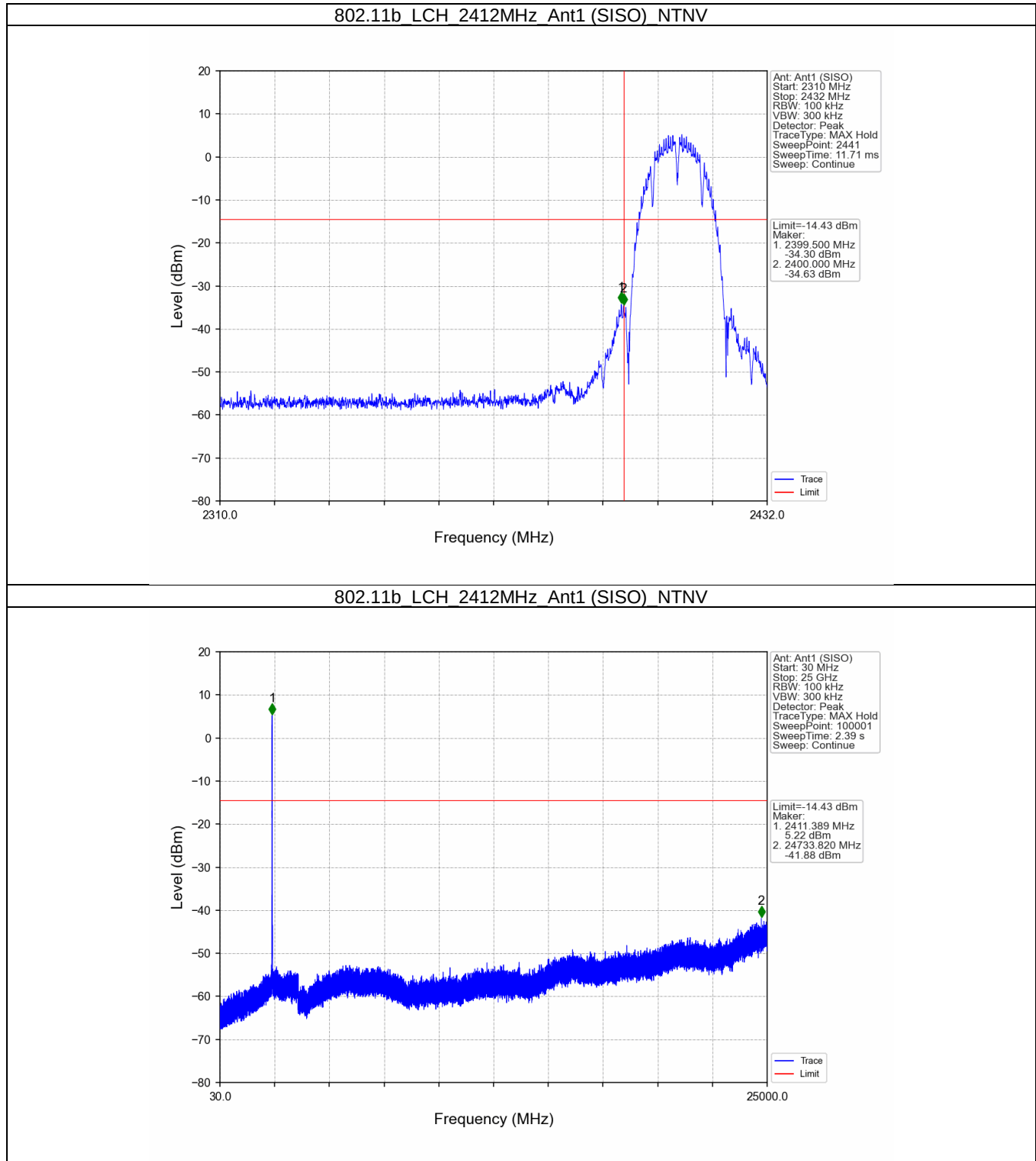
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.57	-14.43	Pass
		2437	1	5.96	-14.04	Pass
		2462	1	5.56	-14.44	Pass
802.11g	SISO	2412	1	2.01	-17.99	Pass
		2437	1	3.69	-16.31	Pass
		2462	1	2.32	-17.68	Pass
802.11n (HT20)	SISO	2412	1	2.00	-18.00	Pass
		2437	1	4.07	-15.93	Pass
		2462	1	1.57	-18.43	Pass
802.11n (HT40)	SISO	2422	1	-0.60	-20.60	Pass
		2437	1	1.08	-18.92	Pass
		2452	1	-1.47	-21.47	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.

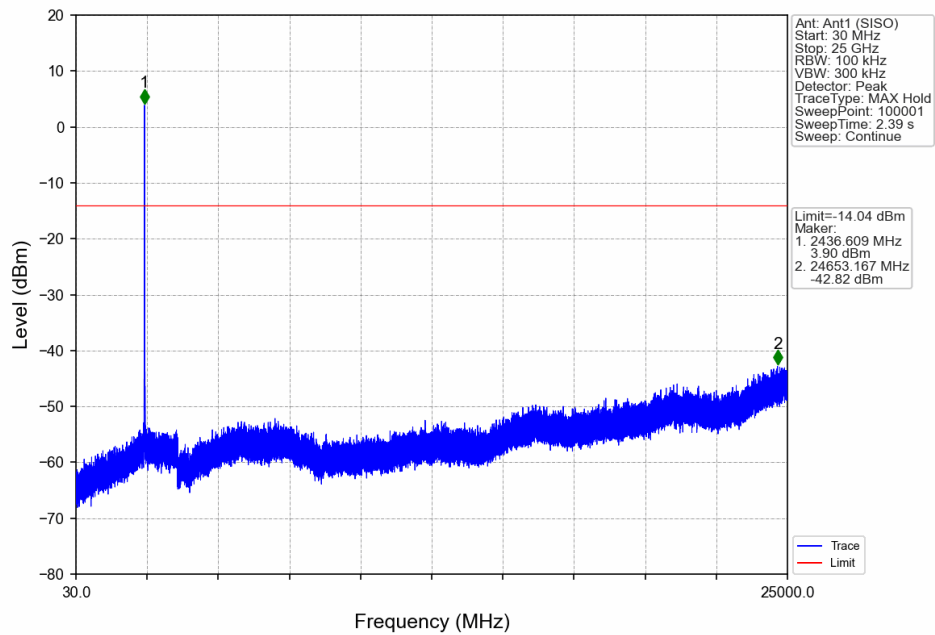


5.2.2 Test Graph

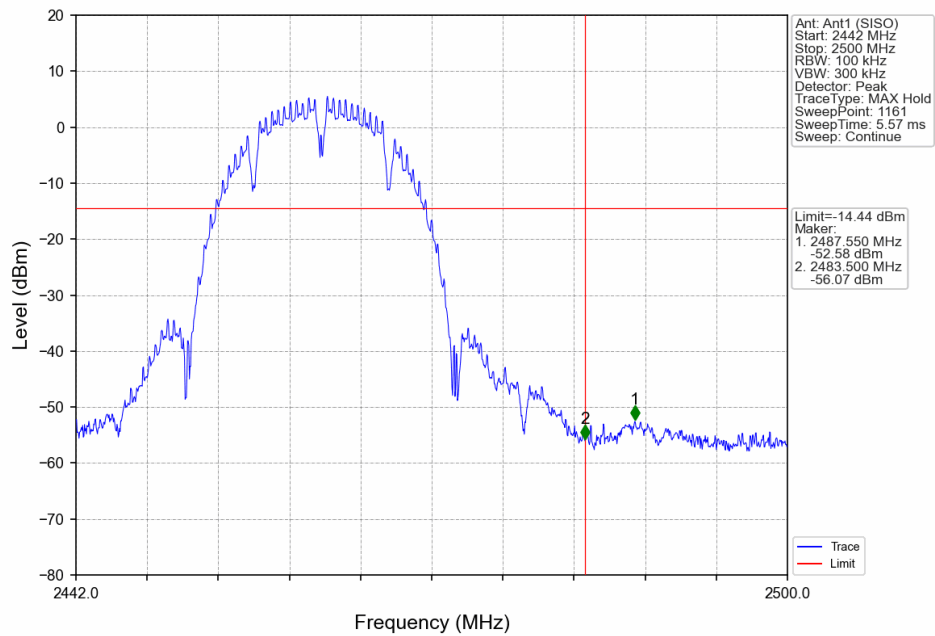




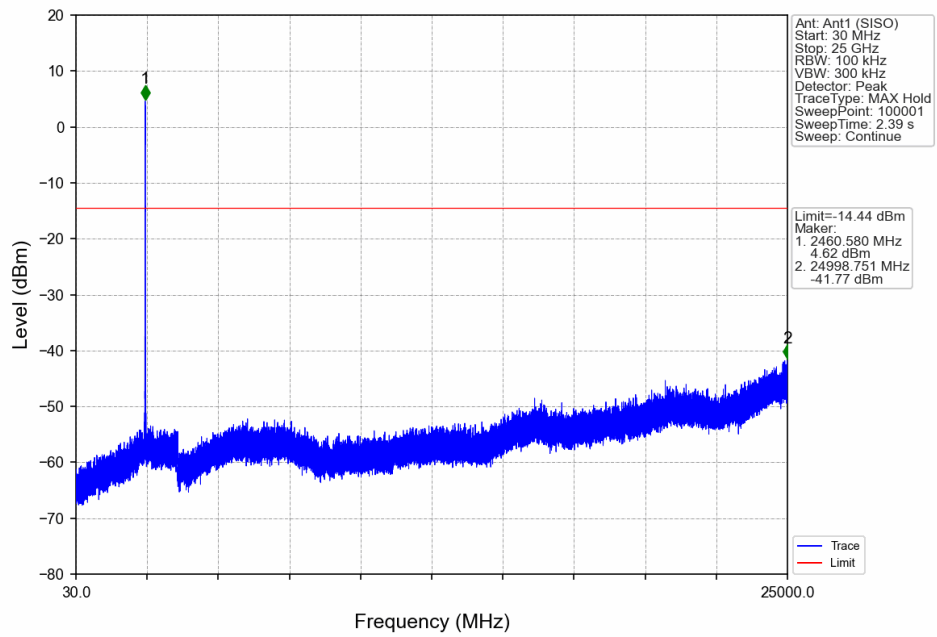
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



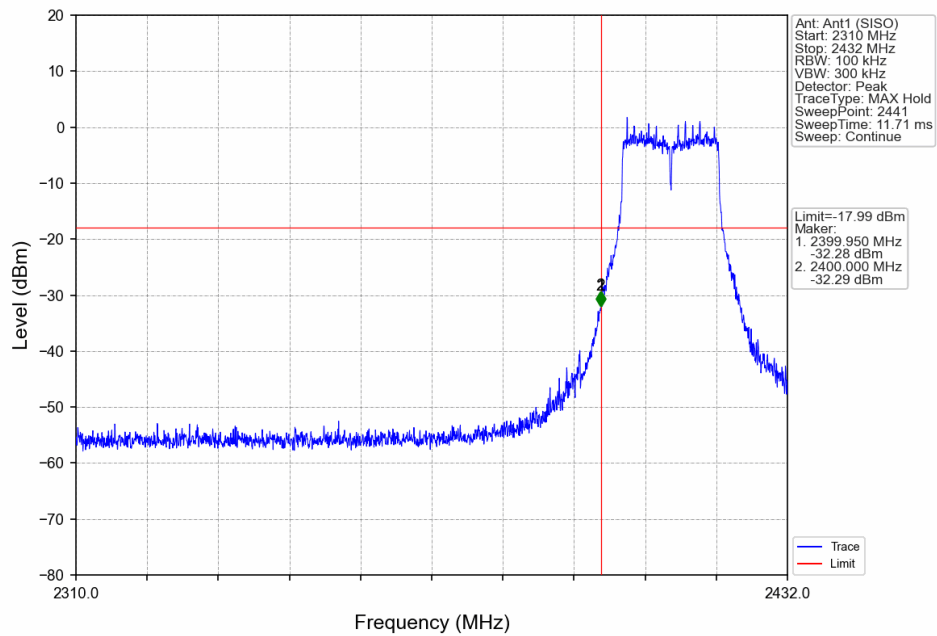
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



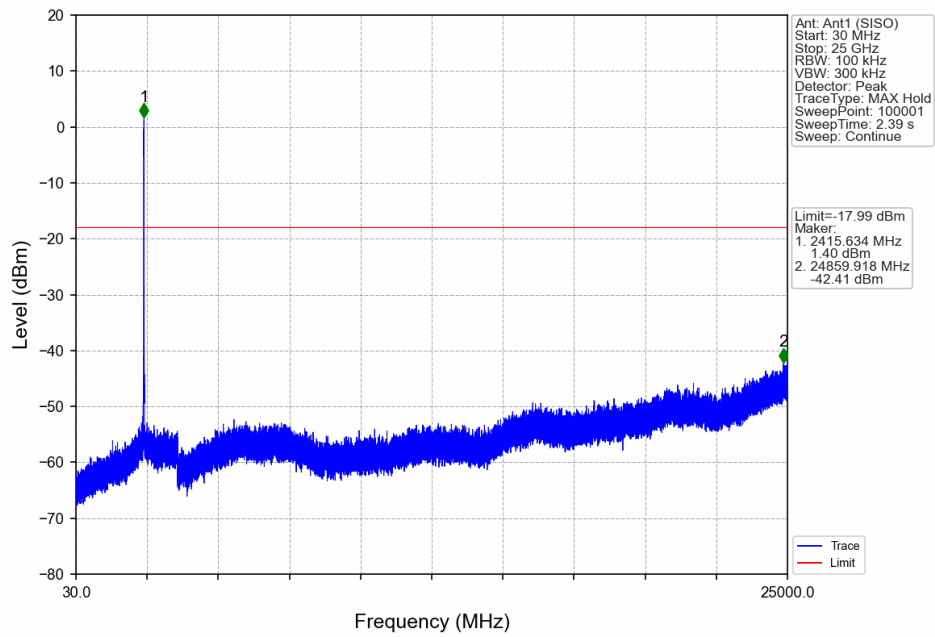
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



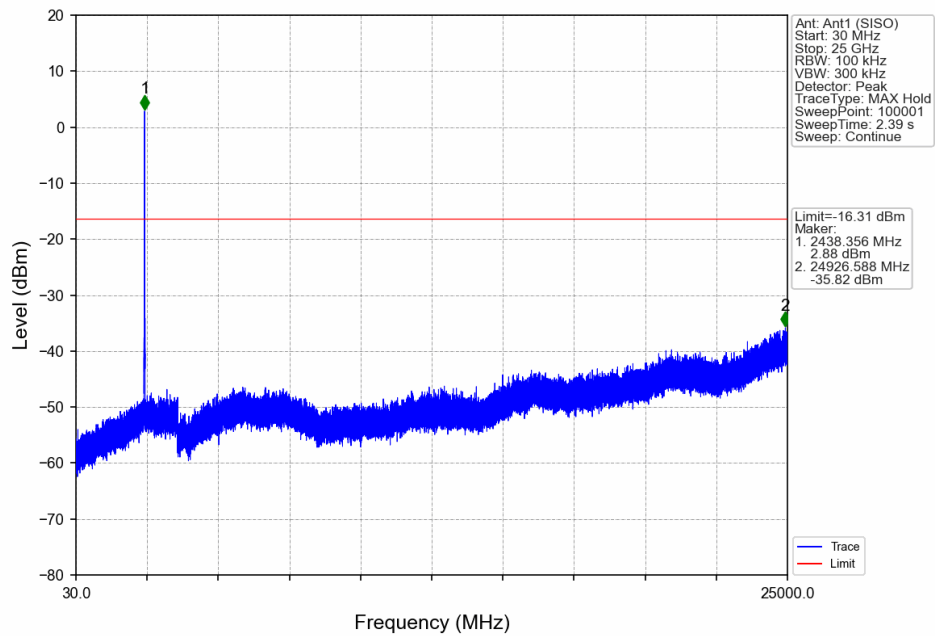
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

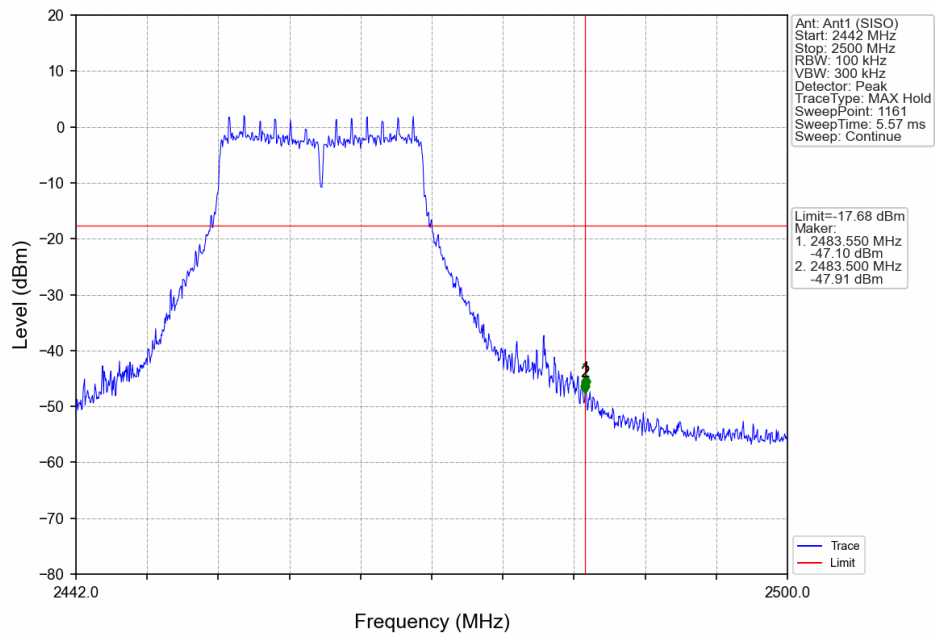


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

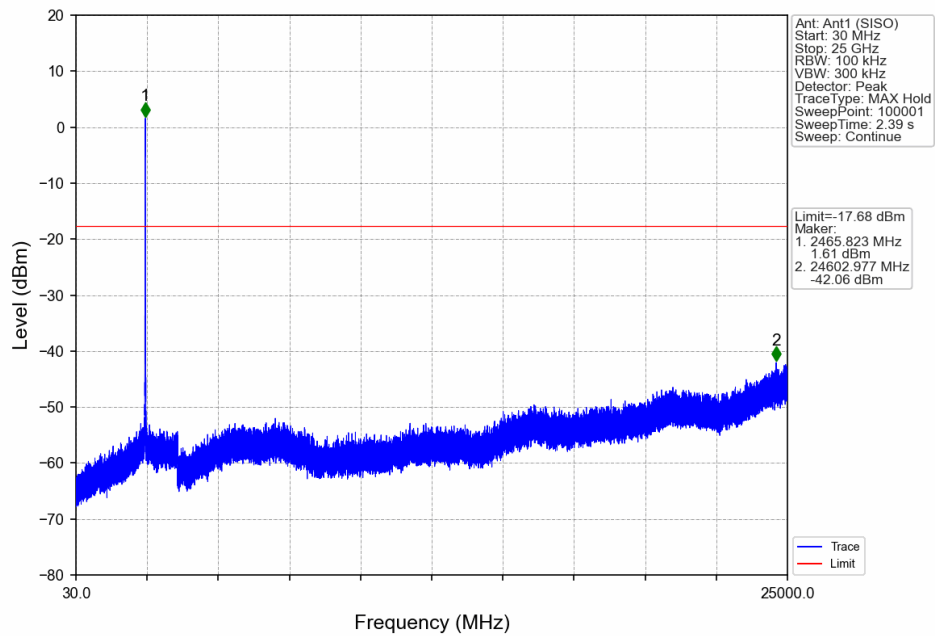




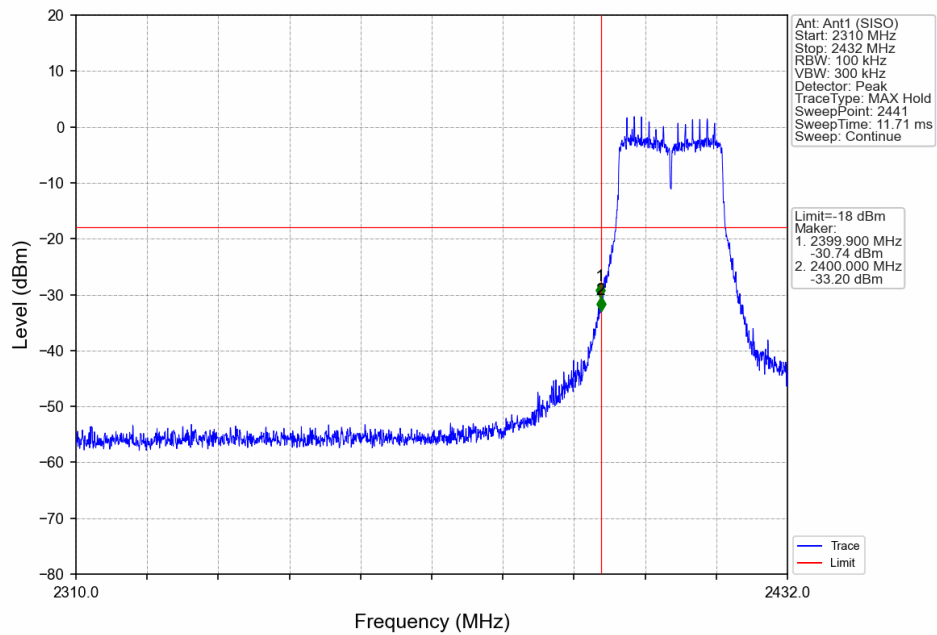
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



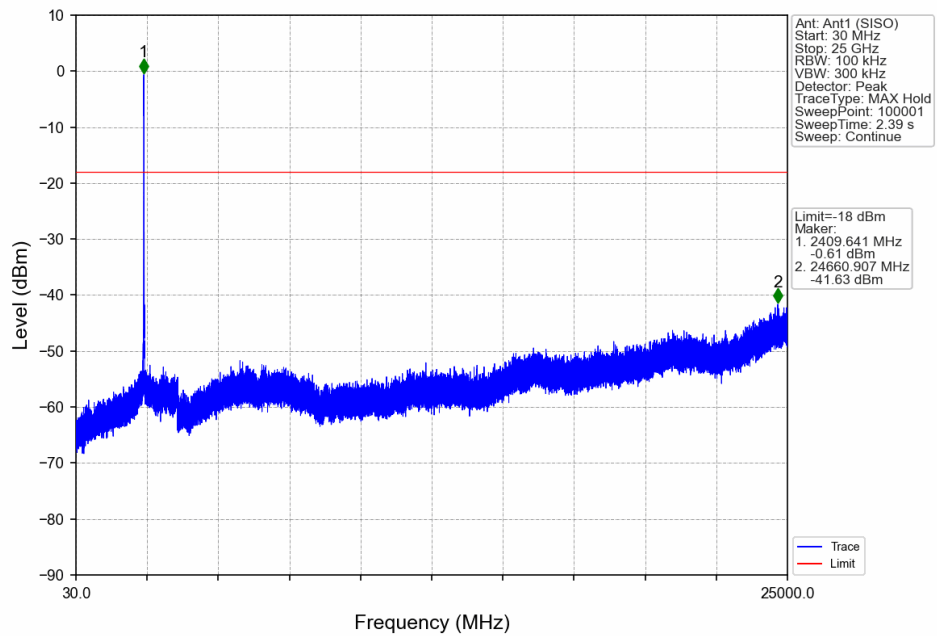
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

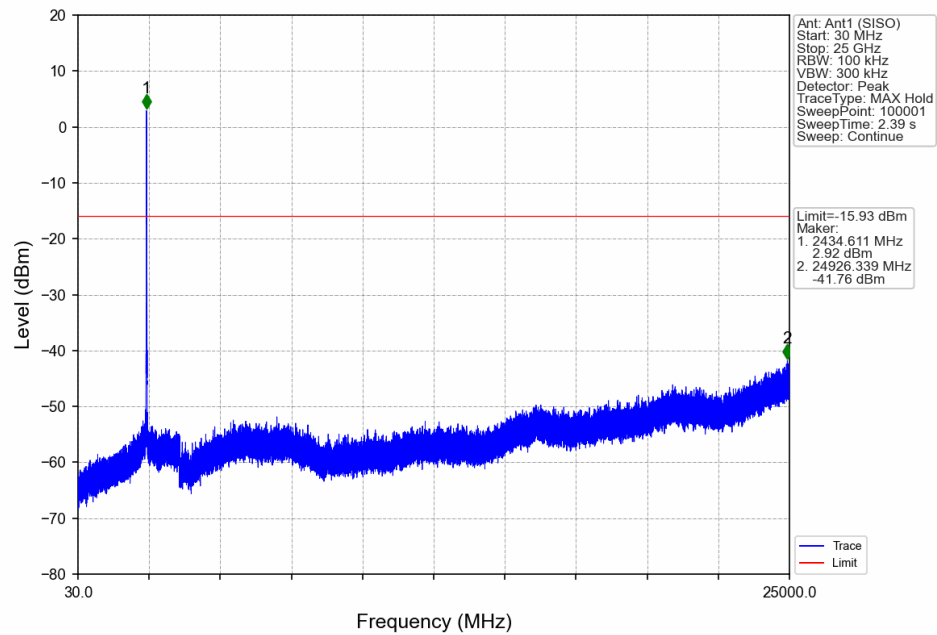


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

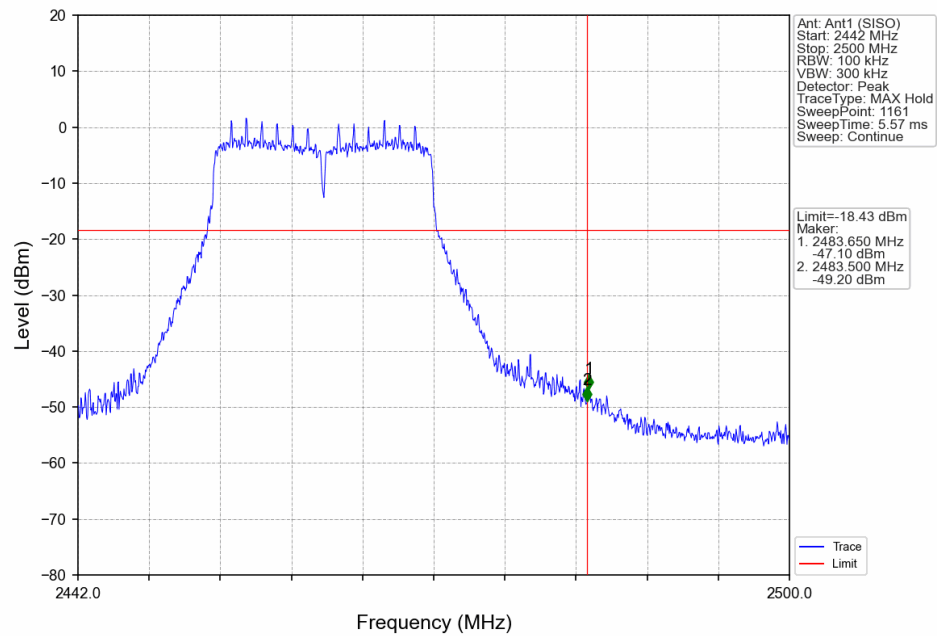




802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

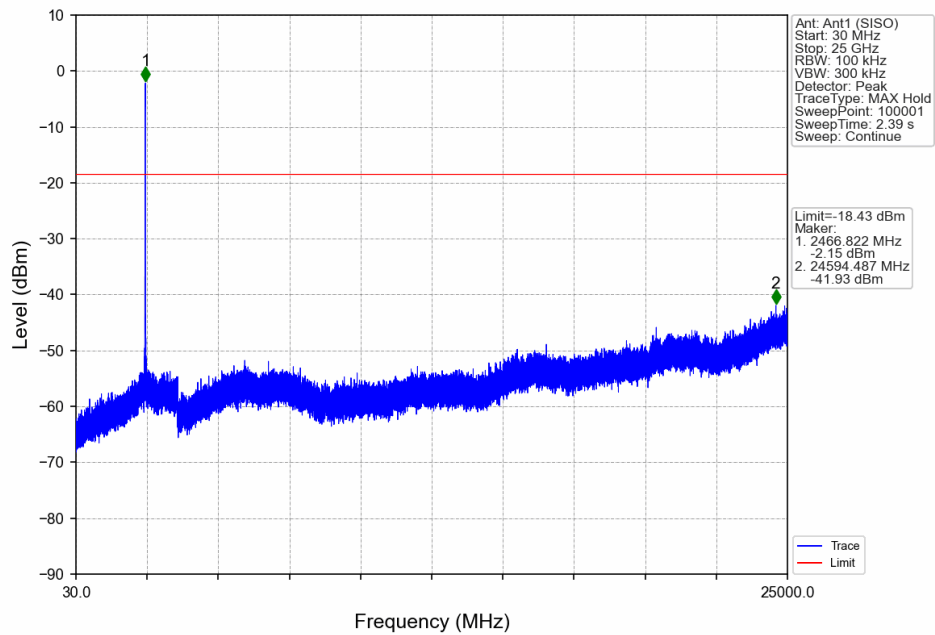


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

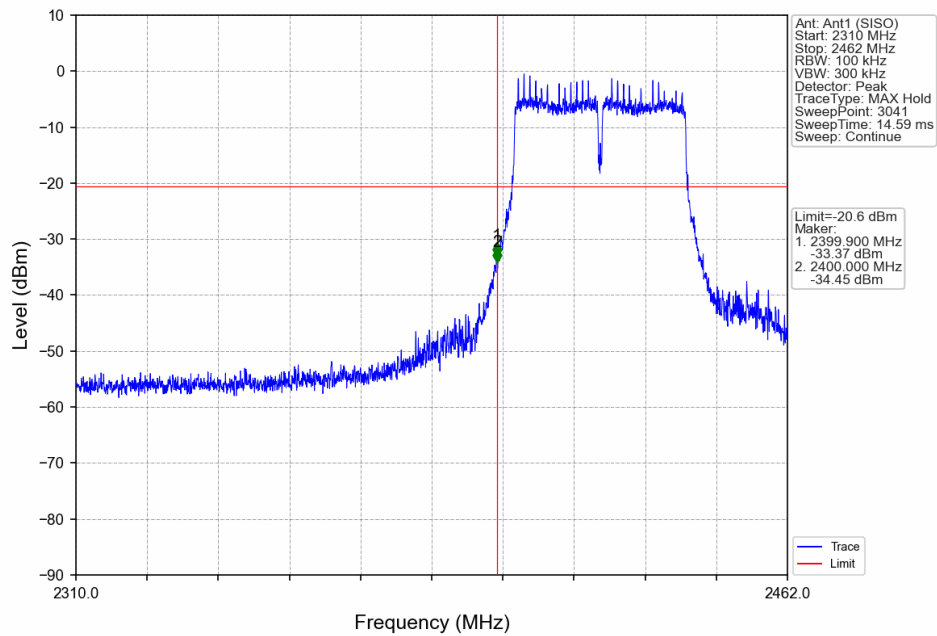




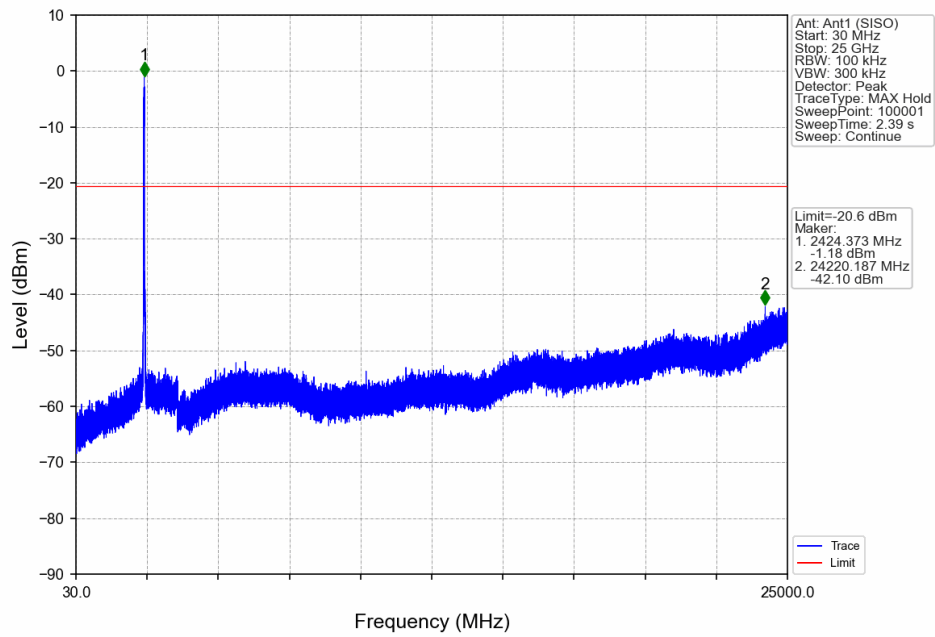
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



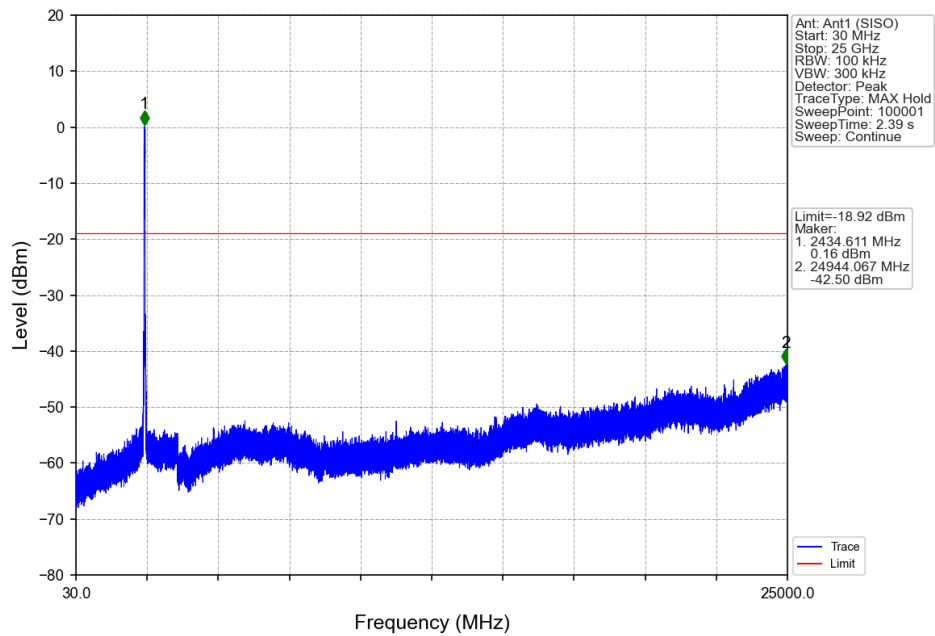
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

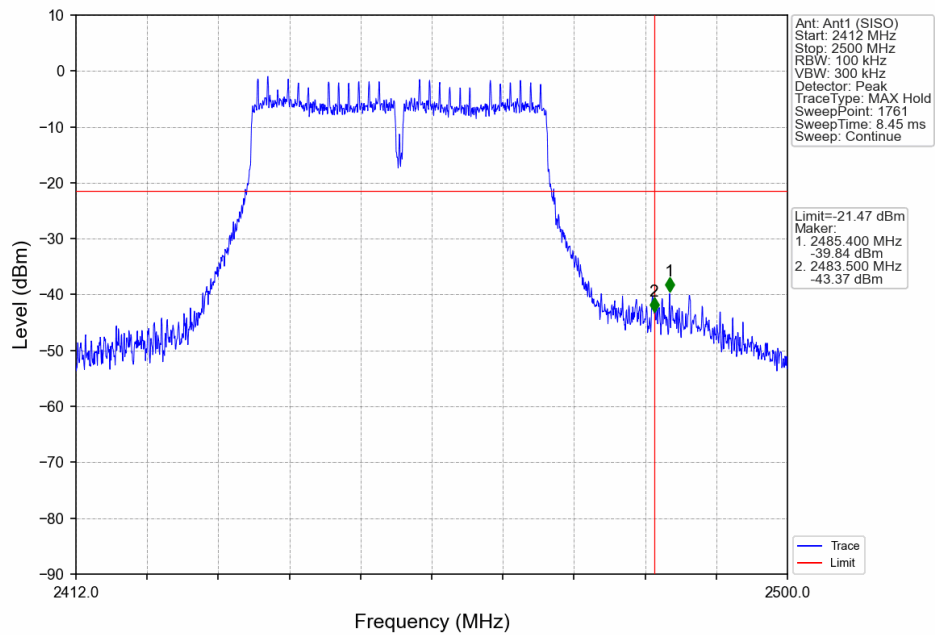


802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV





802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

