

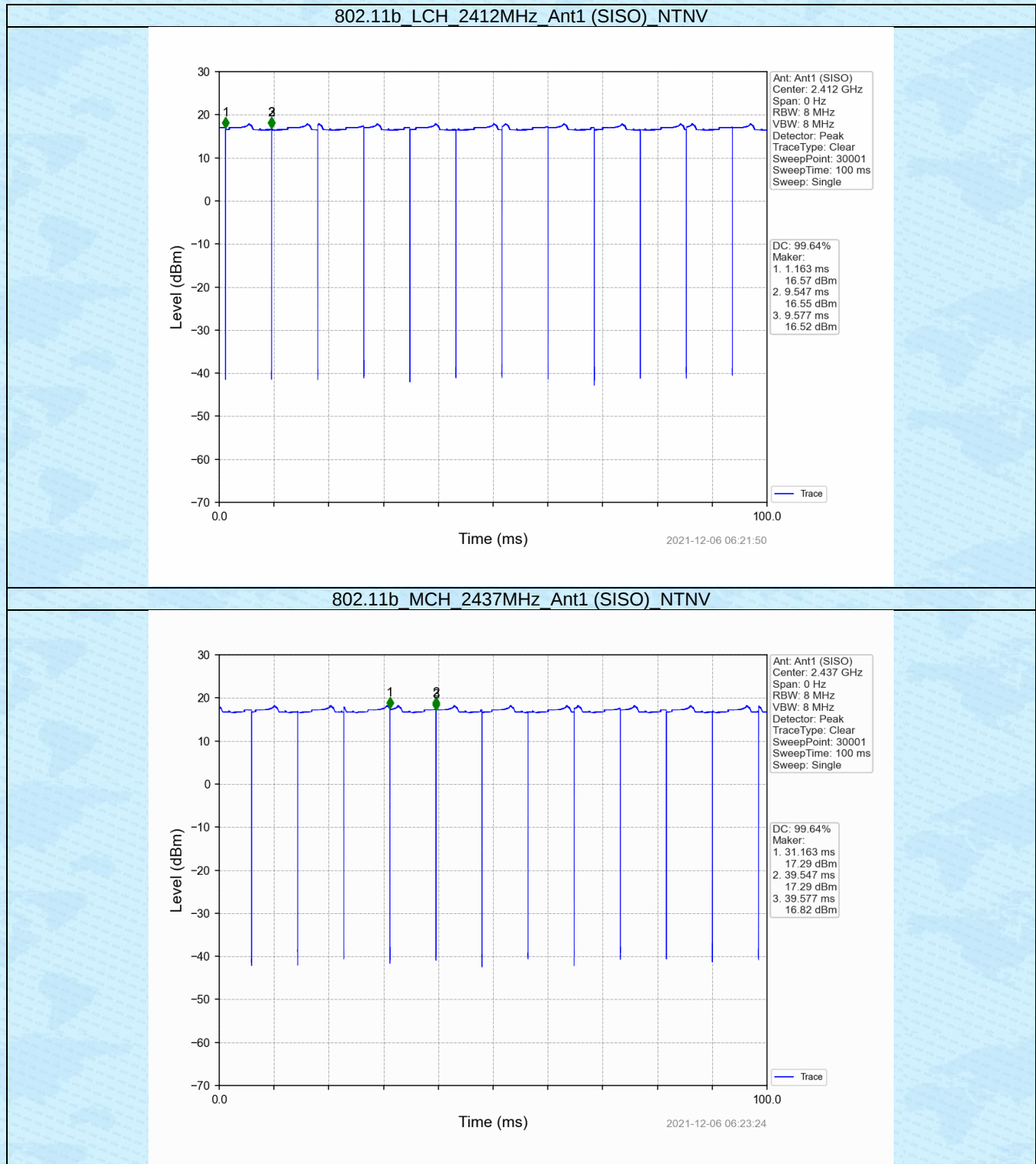
1. Duty Cycle

1.1 Ant1

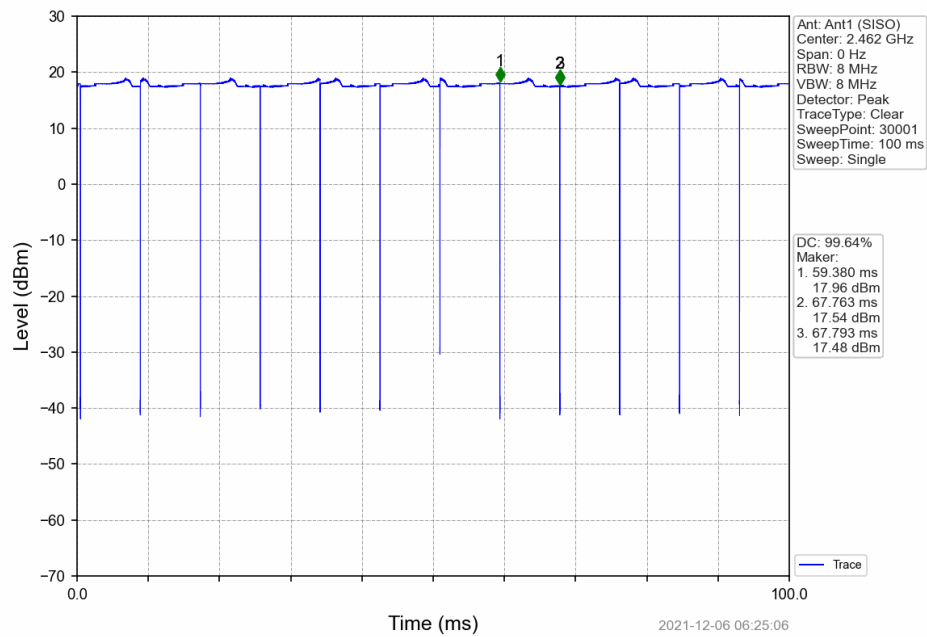
1.1.1 Test Result

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	8.384	8.414	99.64	0.02	0.00
		2437	8.384	8.414	99.64	0.02	0.04
		2462	8.383	8.413	99.64	0.02	0.18
802.11g	SISO	2412	1.392	1.428	97.48	0.11	0.03
		2437	1.392	1.427	97.55	0.11	0.03
		2462	1.391	1.427	97.48	0.11	0.03
802.11n (HT20)	SISO	2412	1.300	1.335	97.38	0.12	0.00
		2437	1.300	1.335	97.38	0.12	0.00
		2462	1.300	1.335	97.38	0.12	0.03
802.11n (HT40)	SISO	2422	0.648	0.683	94.88	0.23	0.03
		2437	0.648	0.683	94.88	0.23	0.03
		2452	0.648	0.683	94.88	0.23	0.03

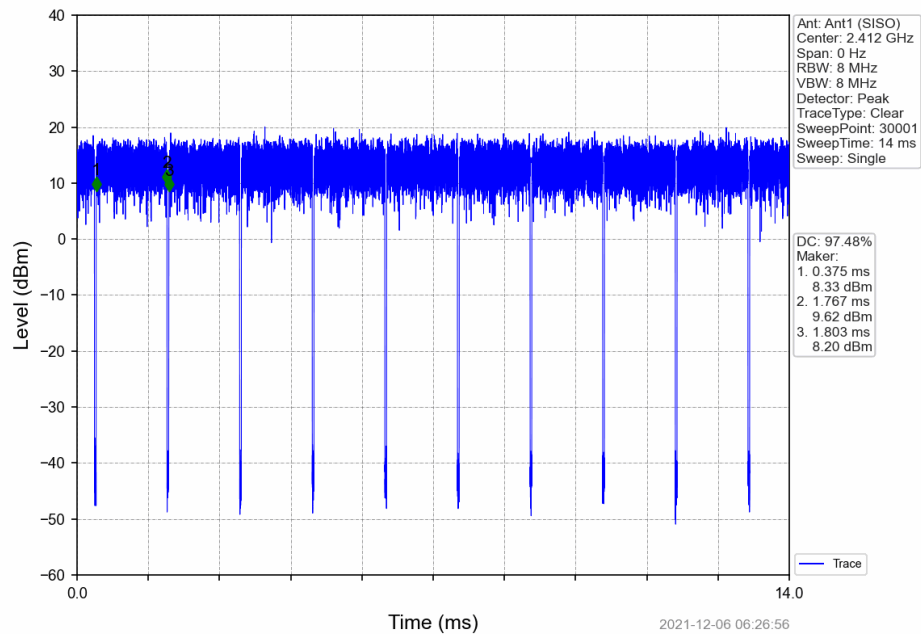
1.1.2 Test Graph



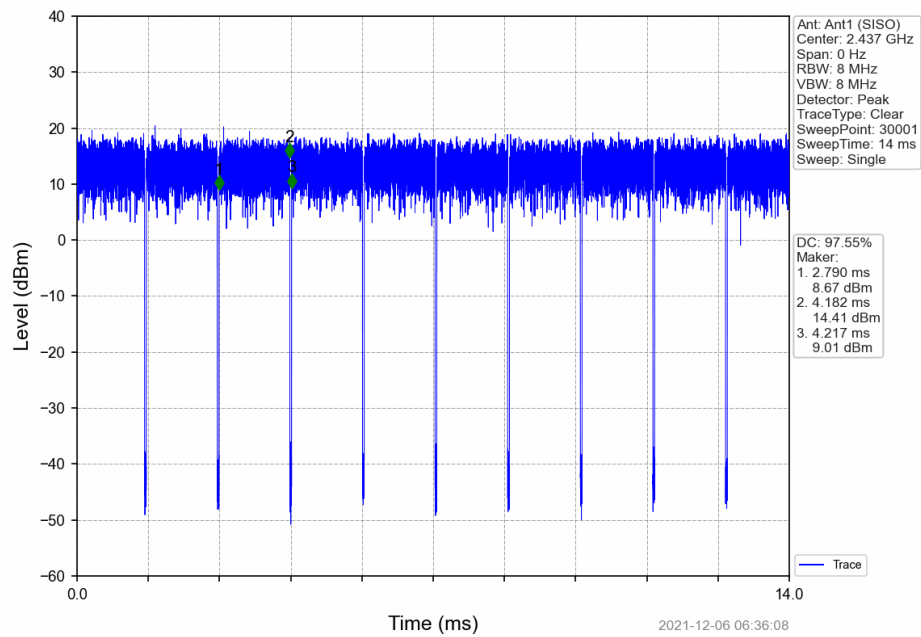
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



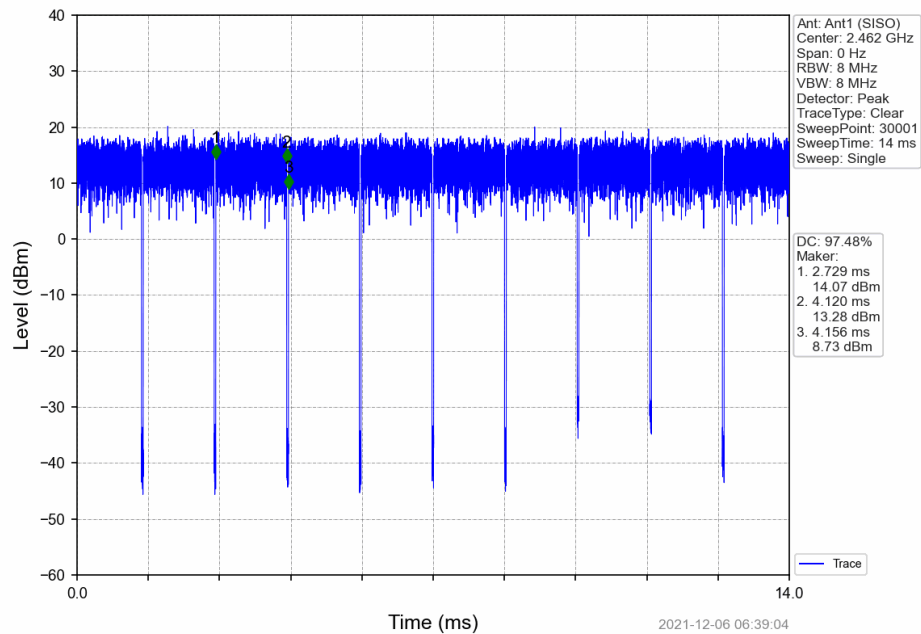
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



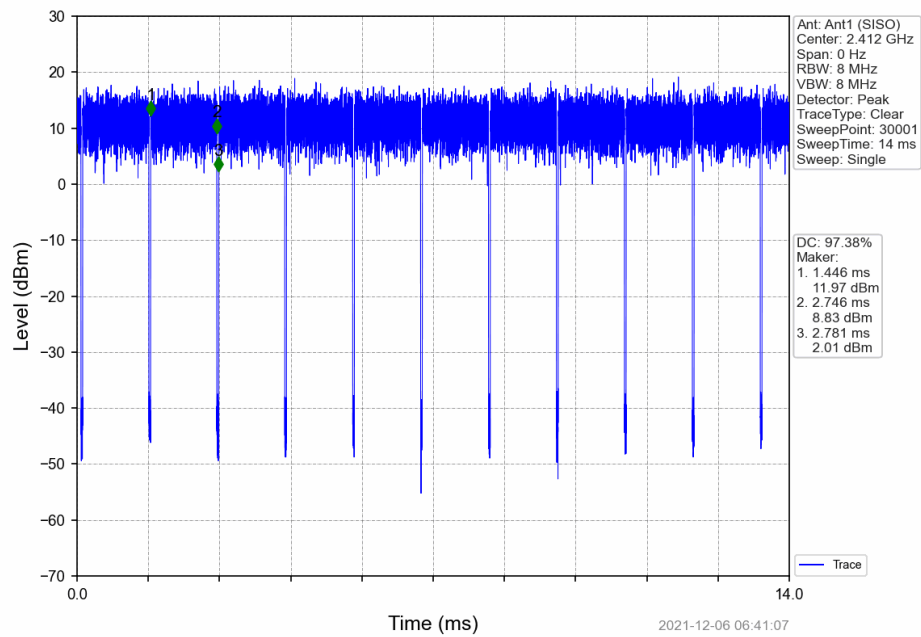
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



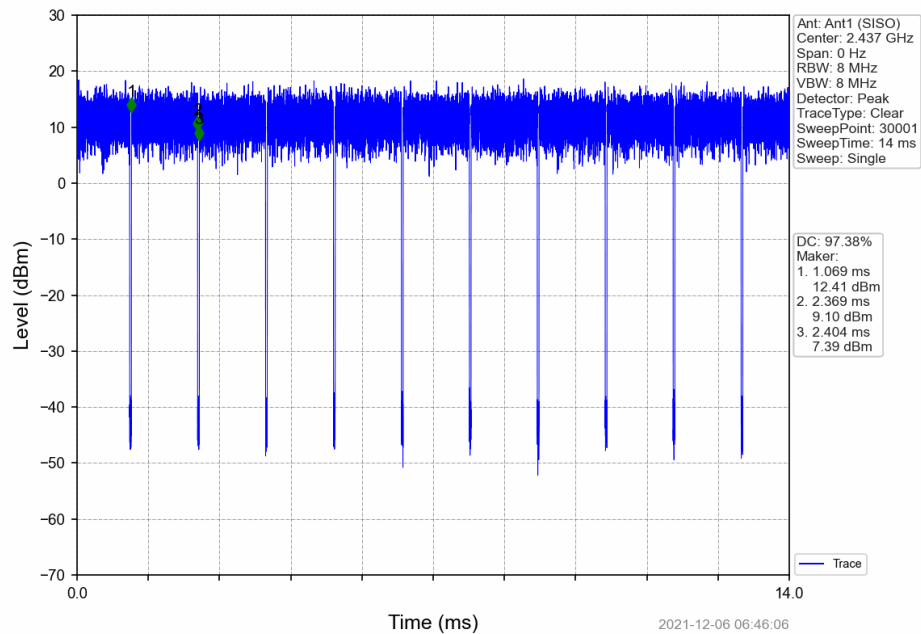
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



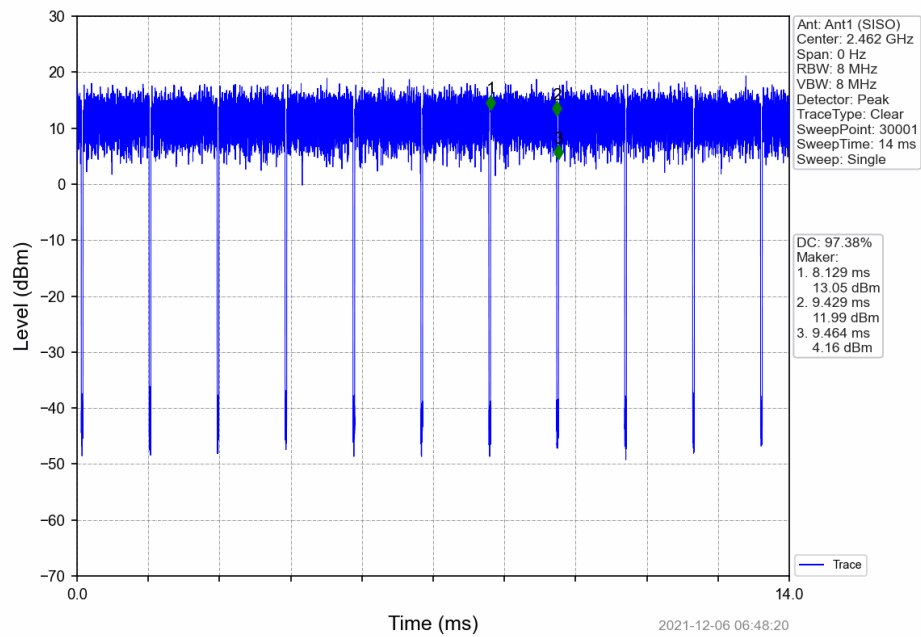
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



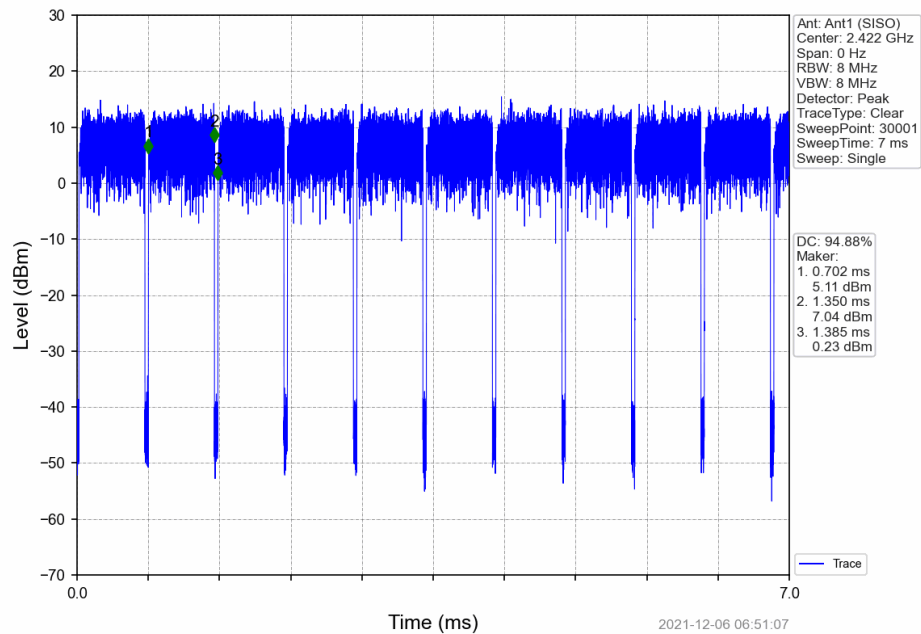
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



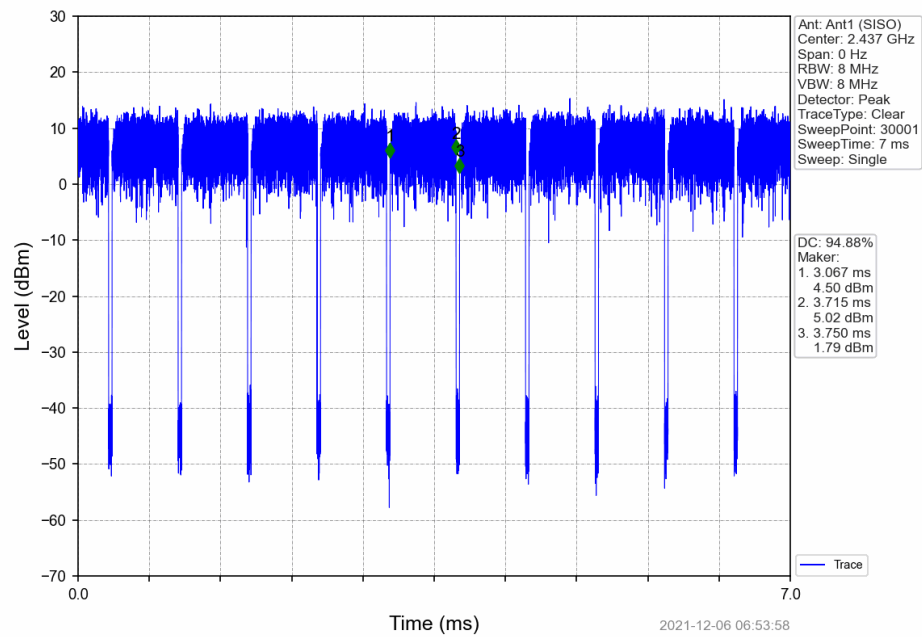
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



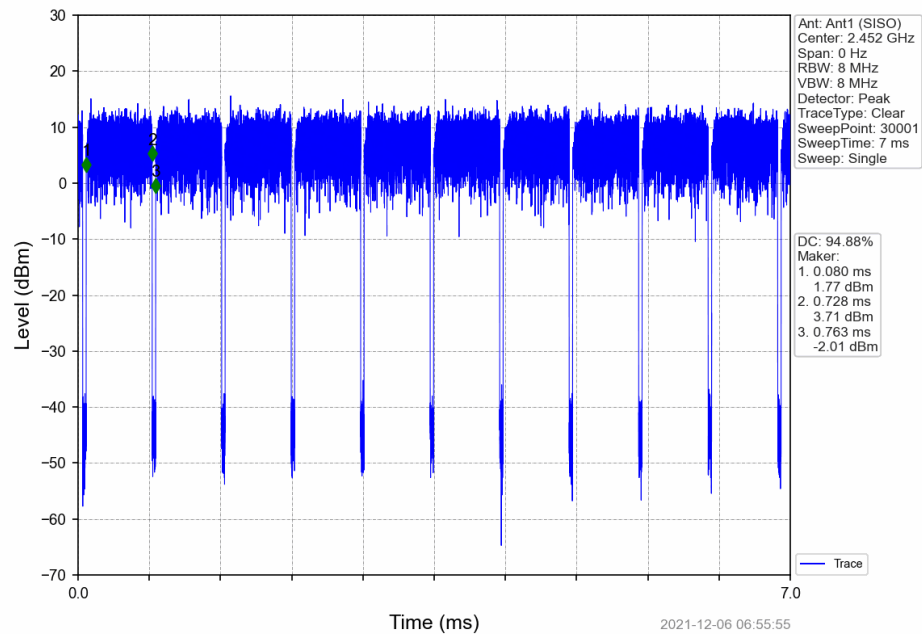
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



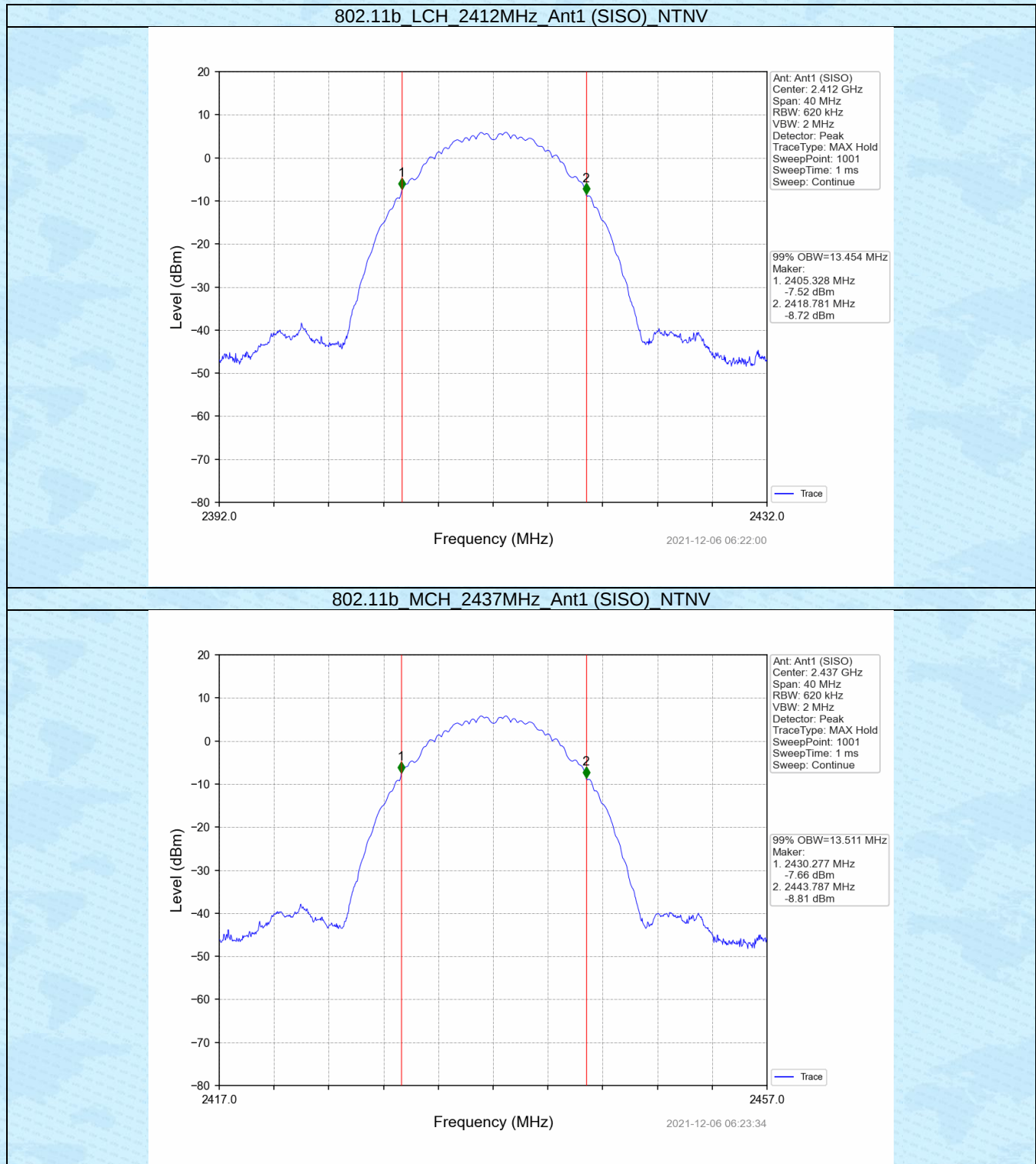
2. Bandwidth

2.1 OBW

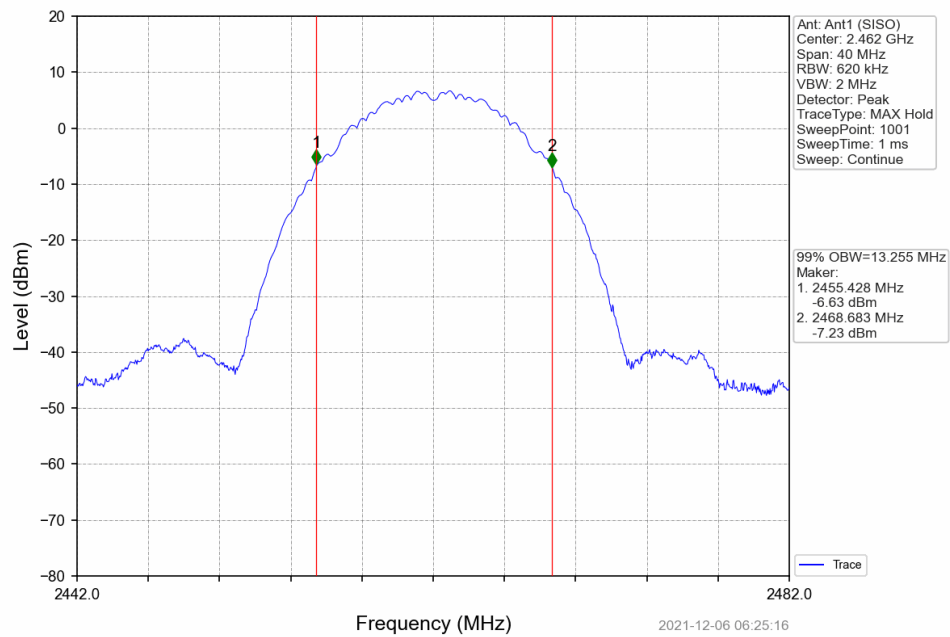
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.454	Pass
		2437	1	13.511	Pass
		2462	1	13.255	Pass
802.11g	SISO	2412	1	16.925	Pass
		2437	1	16.920	Pass
		2462	1	16.862	Pass
802.11n (HT20)	SISO	2412	1	17.732	Pass
		2437	1	17.747	Pass
		2462	1	17.682	Pass
802.11n (HT40)	SISO	2422	1	36.742	Pass
		2437	1	36.785	Pass
		2452	1	36.809	Pass

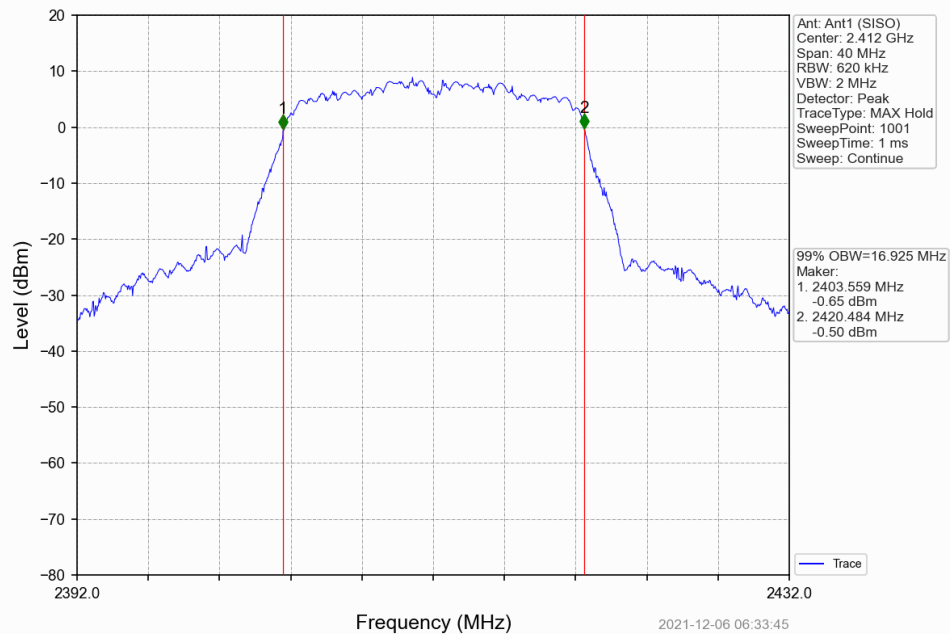
2.1.2 Test Graph



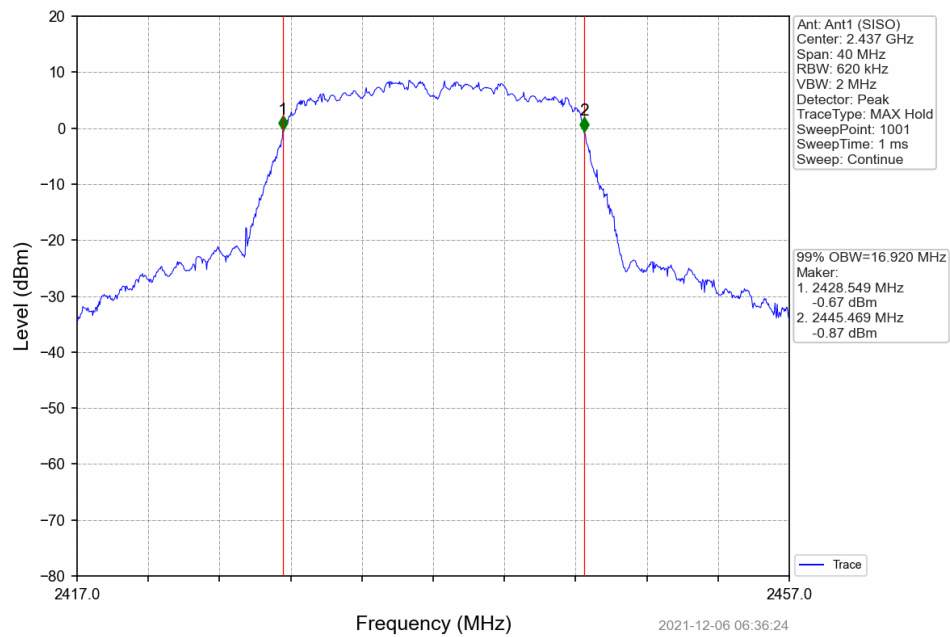
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



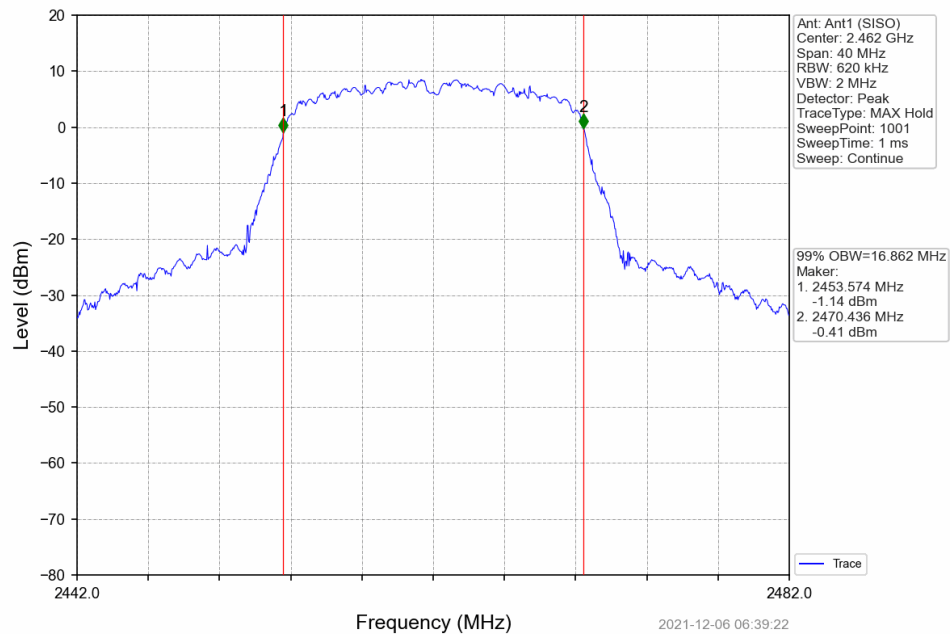
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



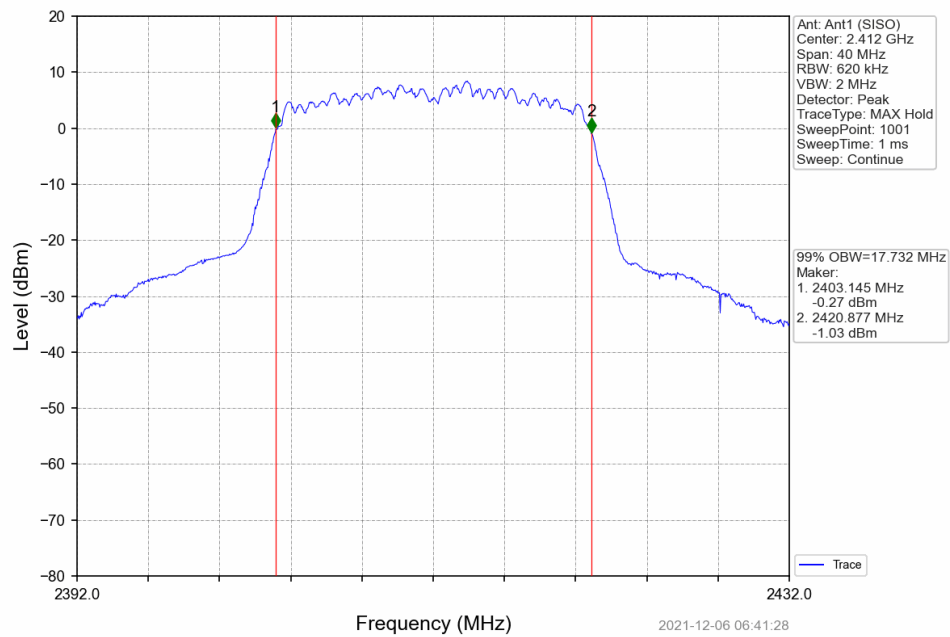
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



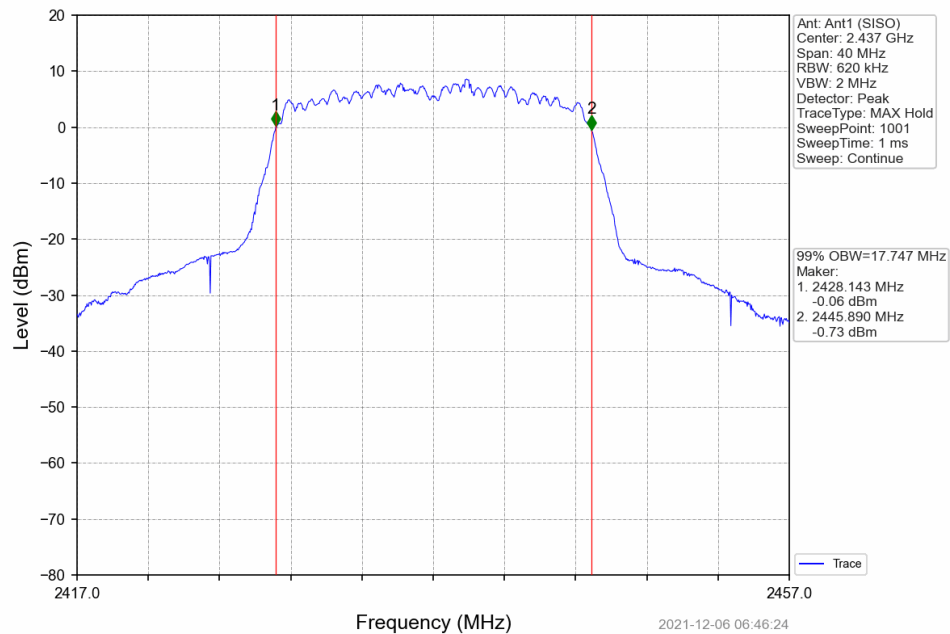
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



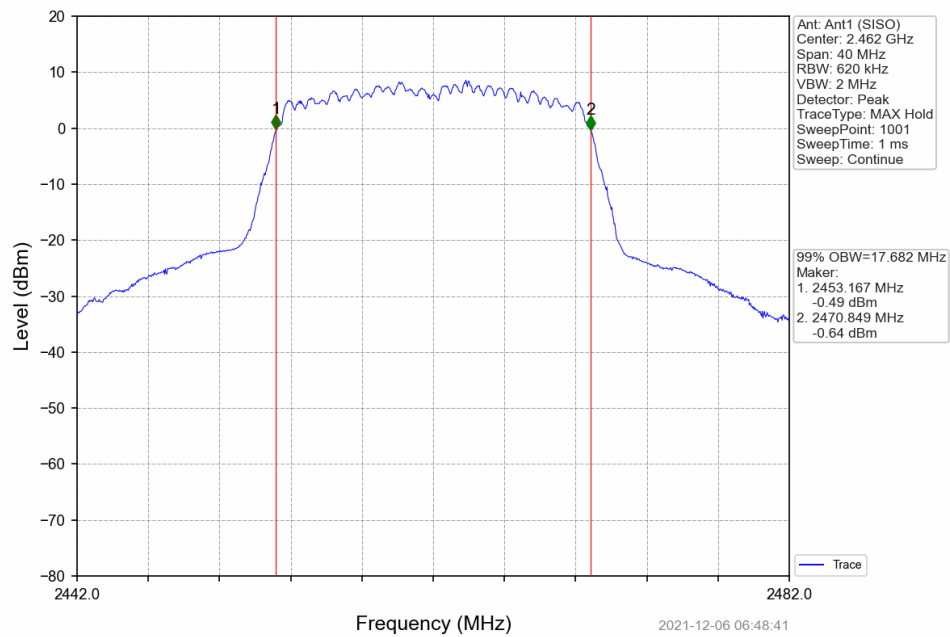
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



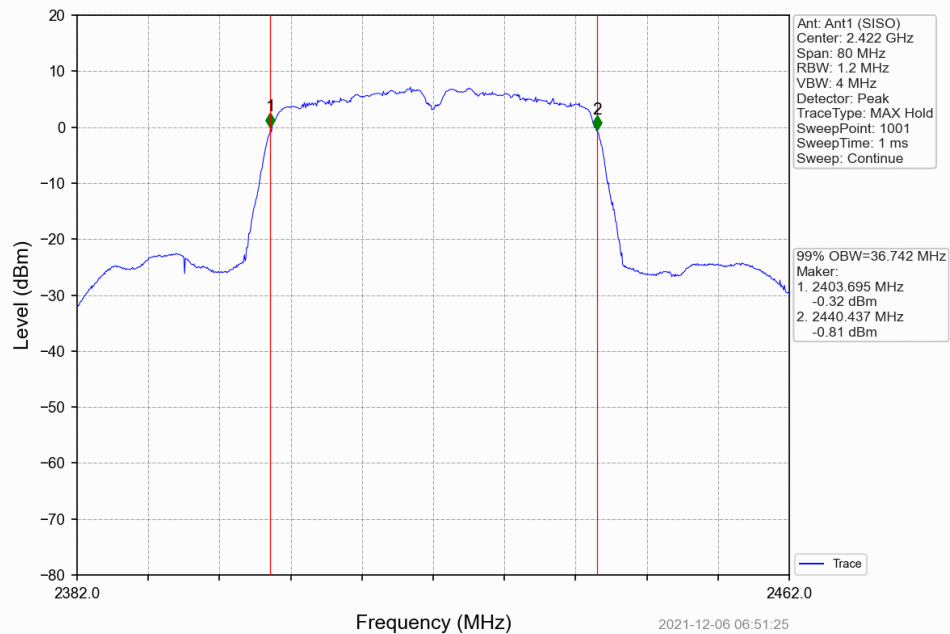
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



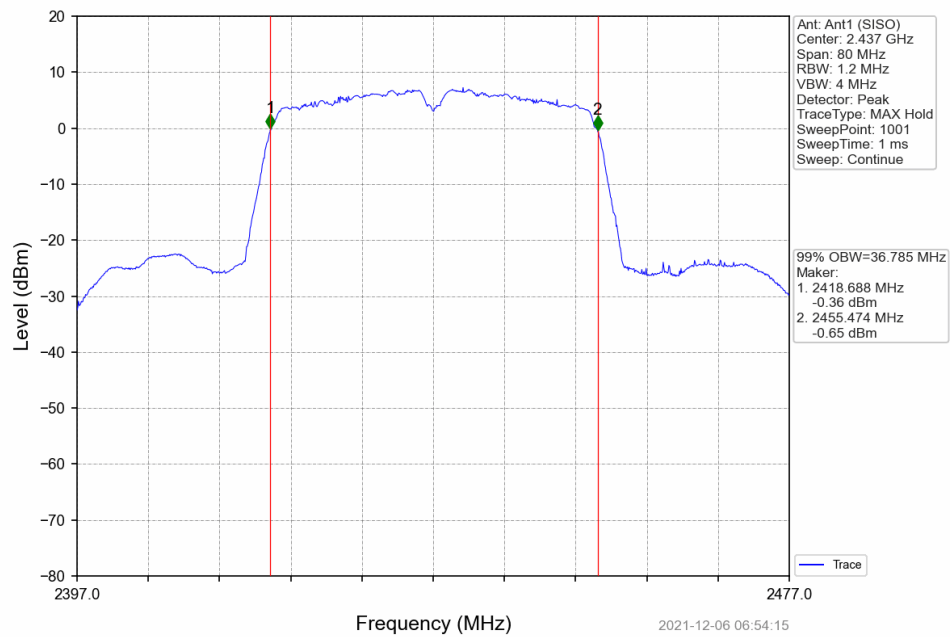
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



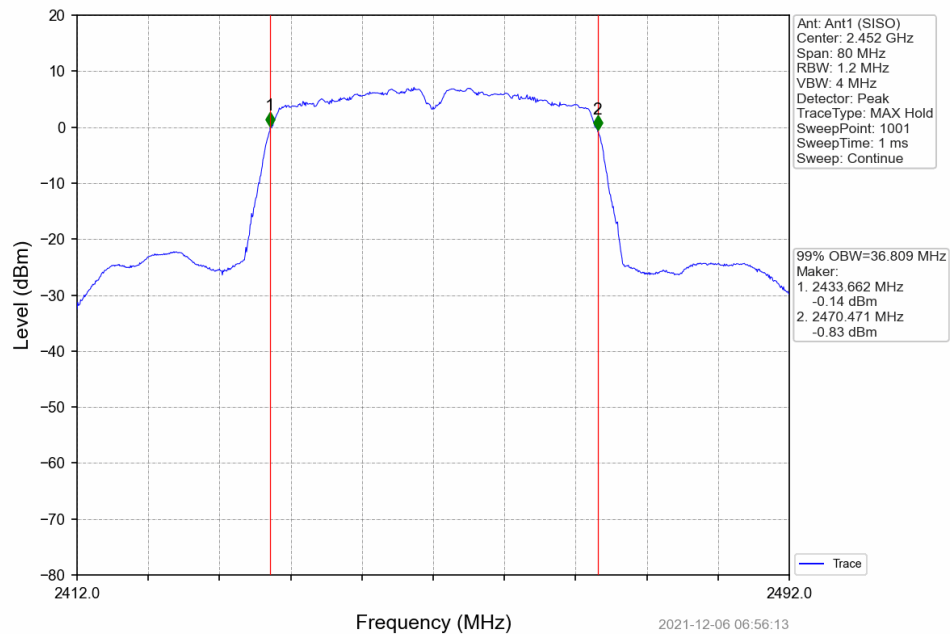
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

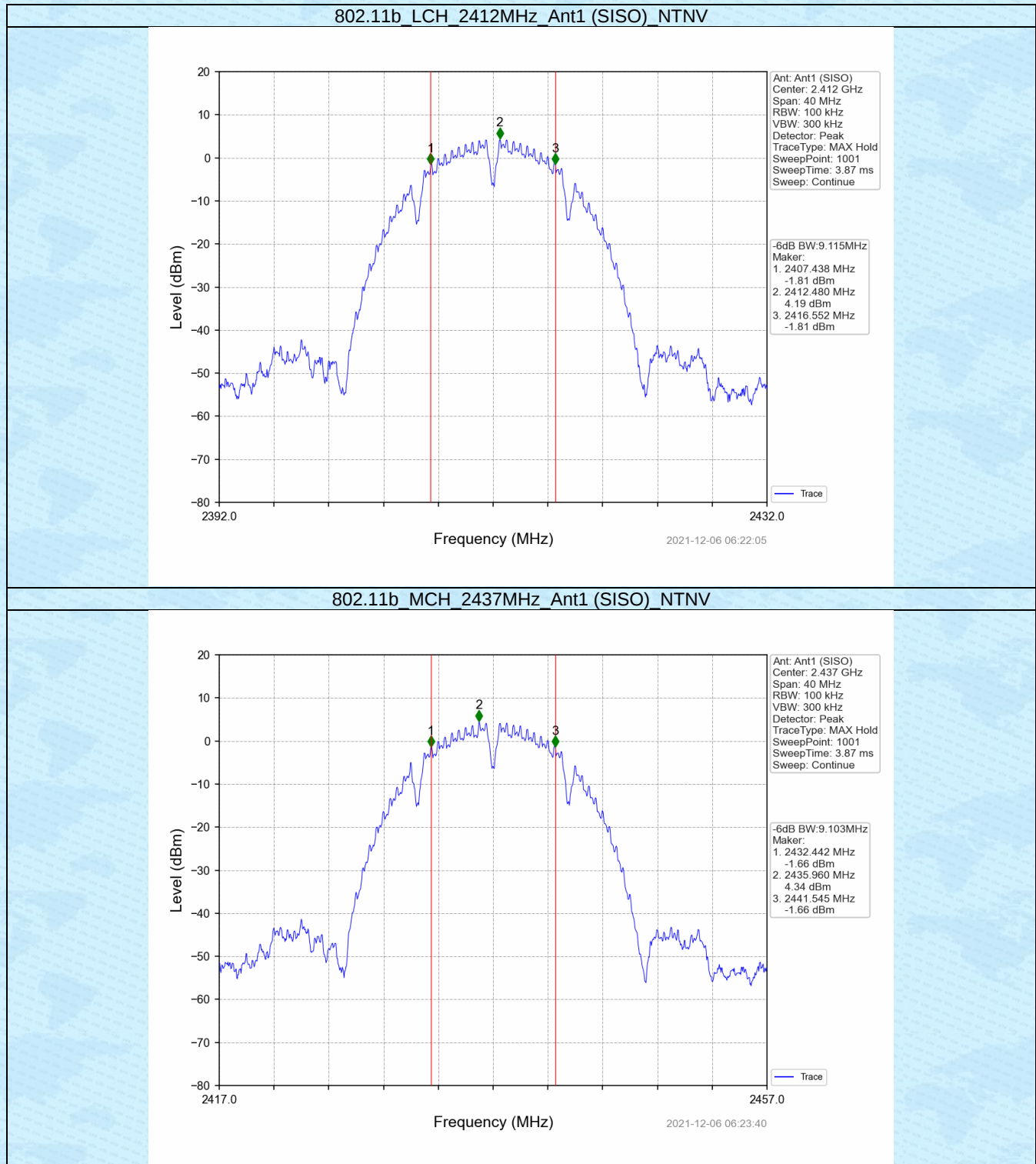


2.2 6dB BW

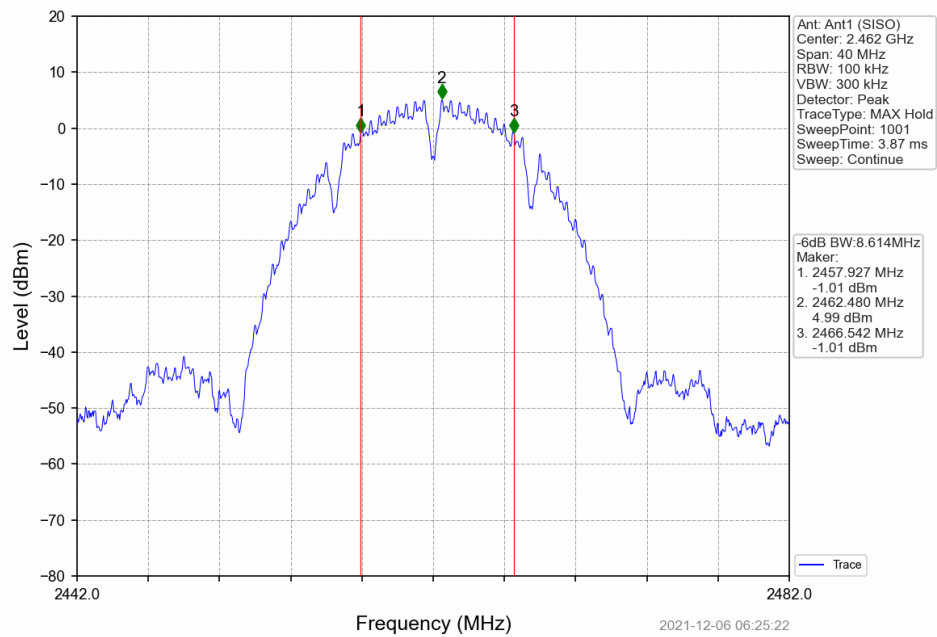
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.115	≥ 0.5	Pass
		2437	1	9.103	≥ 0.5	Pass
		2462	1	8.614	≥ 0.5	Pass
802.11g	SISO	2412	1	15.165	≥ 0.5	Pass
		2437	1	15.168	≥ 0.5	Pass
		2462	1	15.142	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.300	≥ 0.5	Pass
		2437	1	15.722	≥ 0.5	Pass
		2462	1	16.345	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.164	≥ 0.5	Pass
		2437	1	35.165	≥ 0.5	Pass
		2452	1	35.166	≥ 0.5	Pass

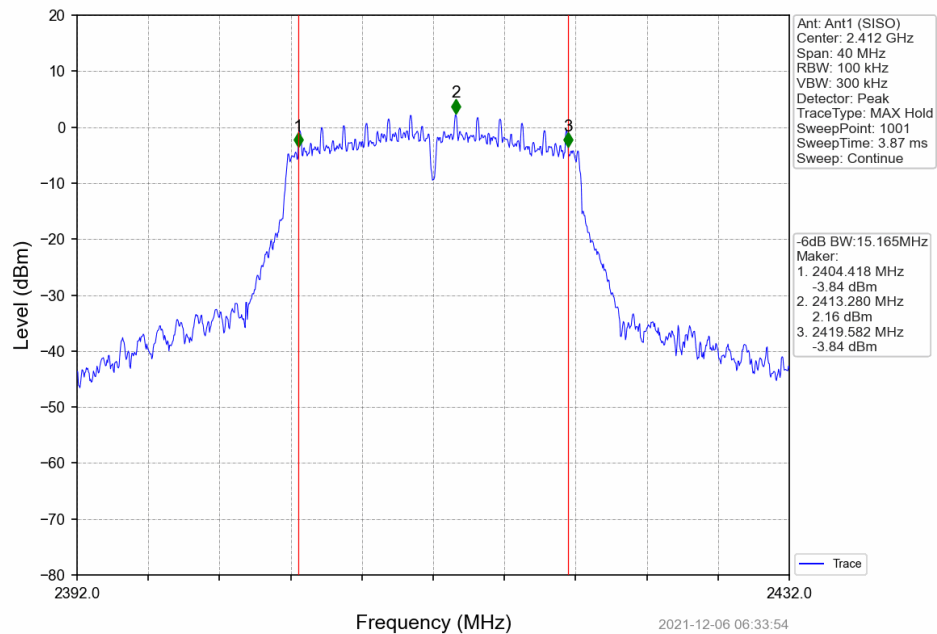
2.2.2 Test Graph



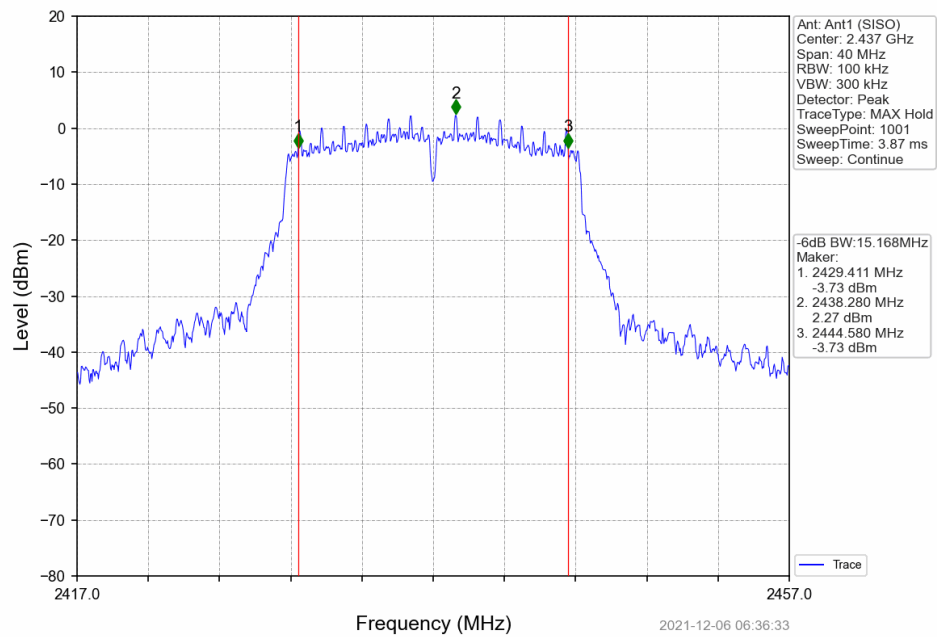
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



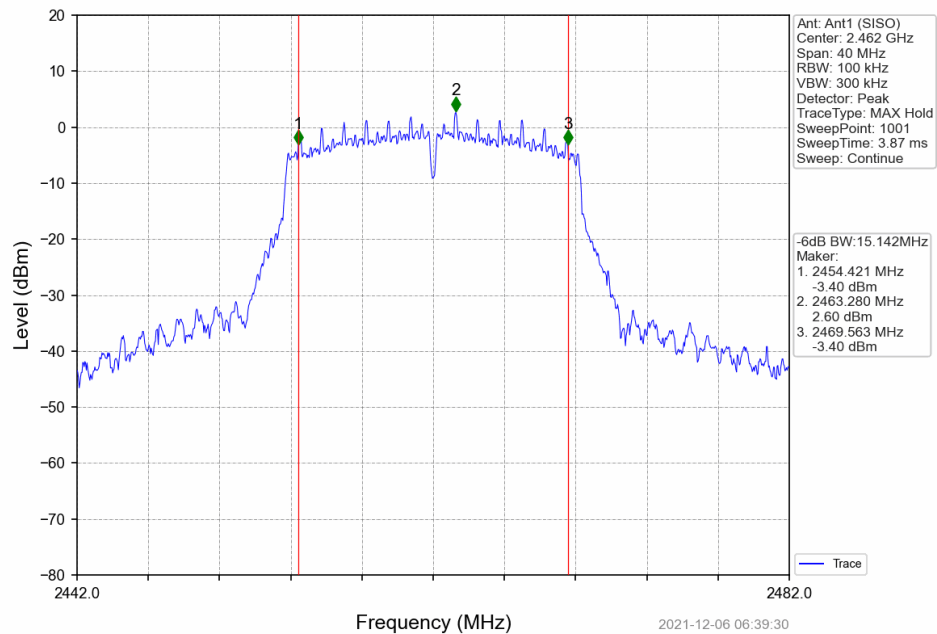
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



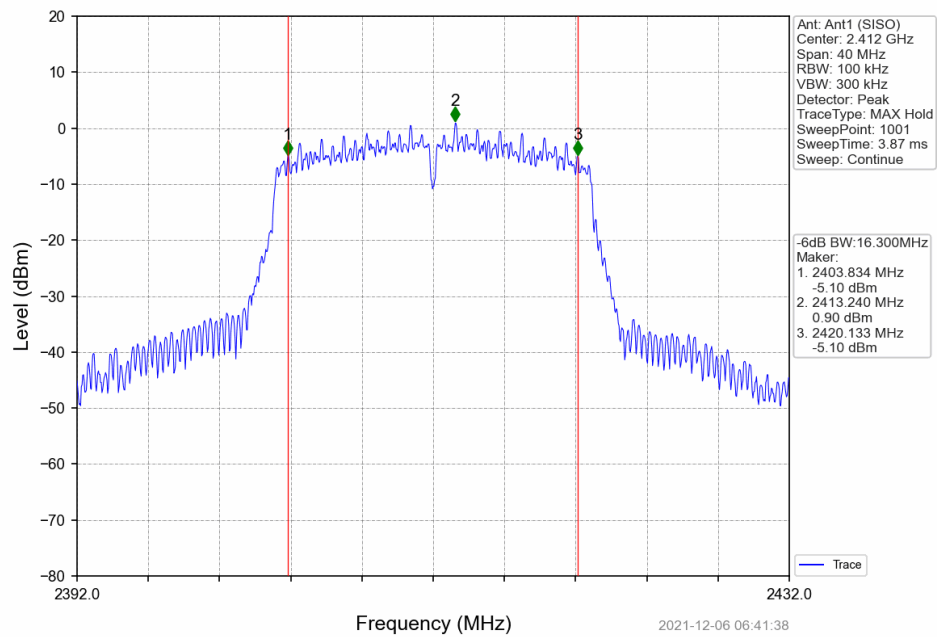
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



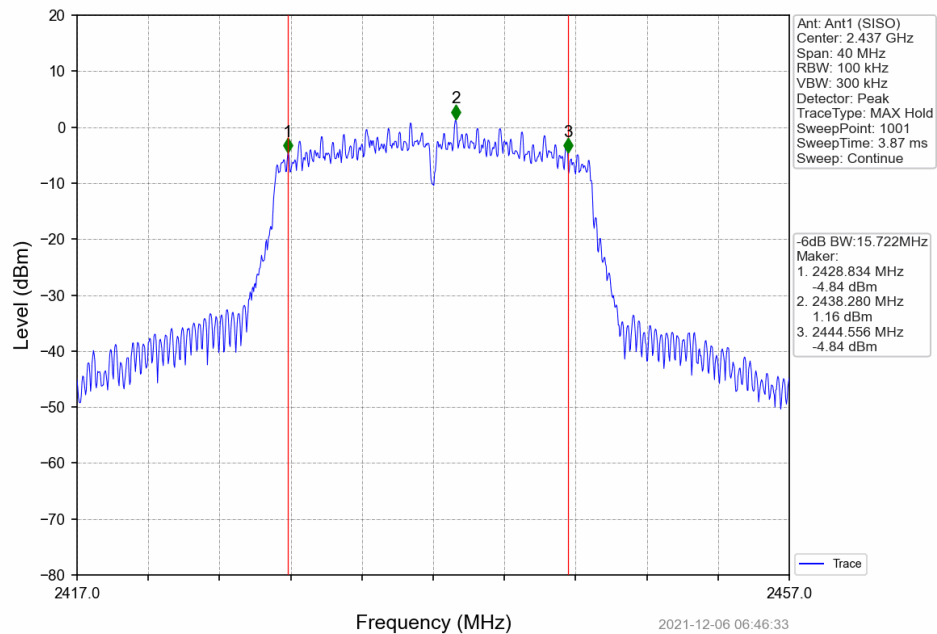
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



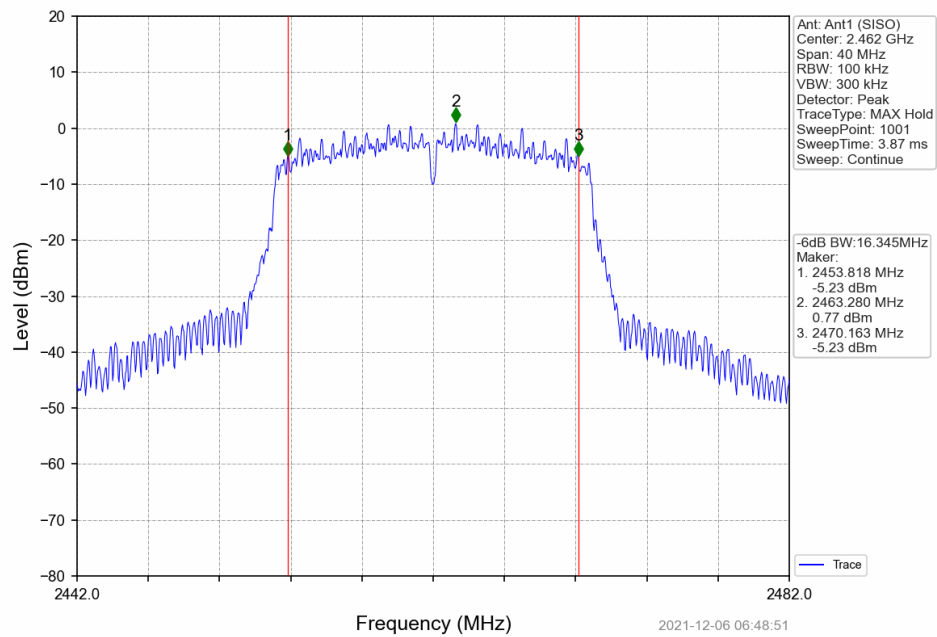
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



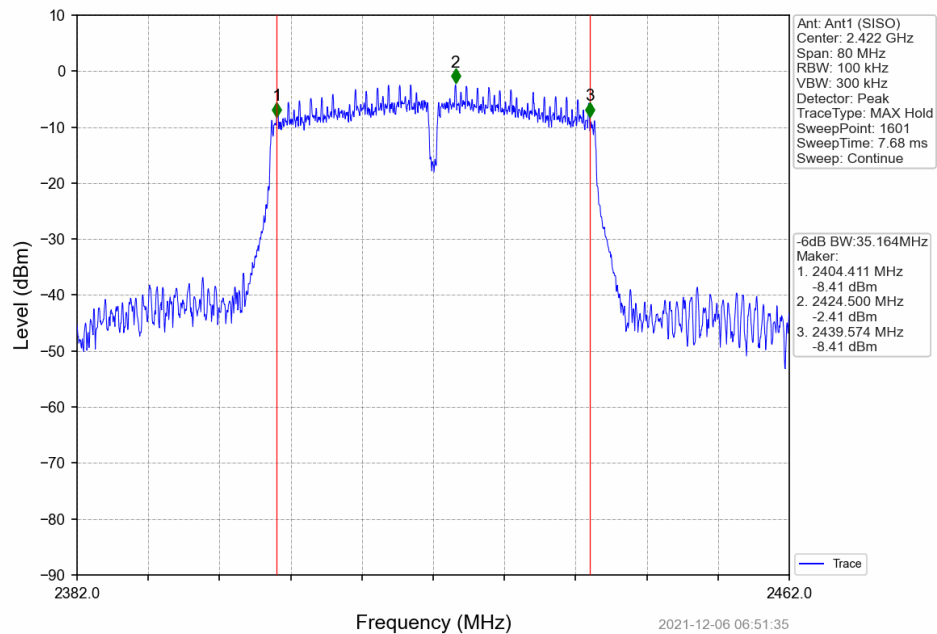
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



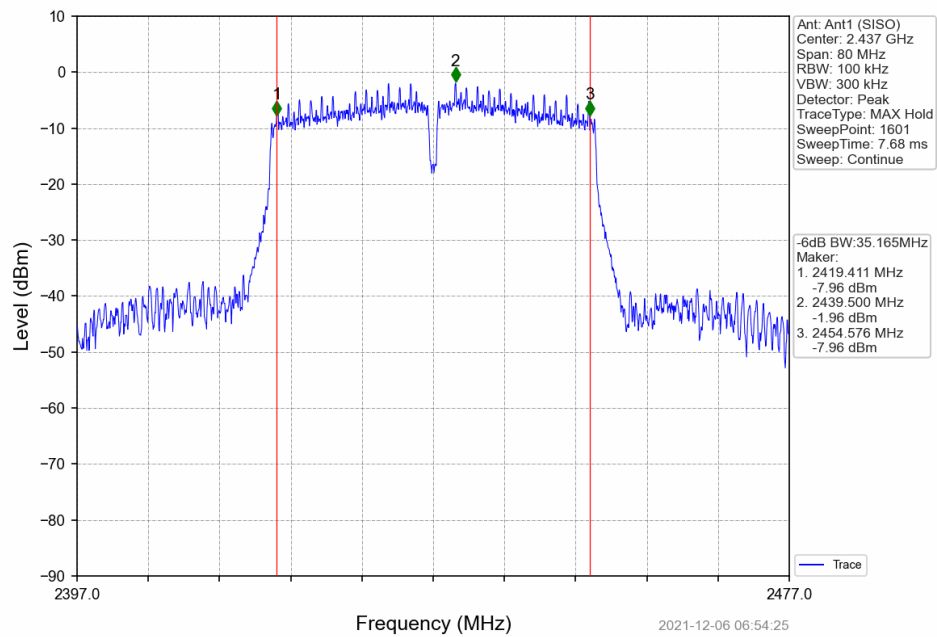
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



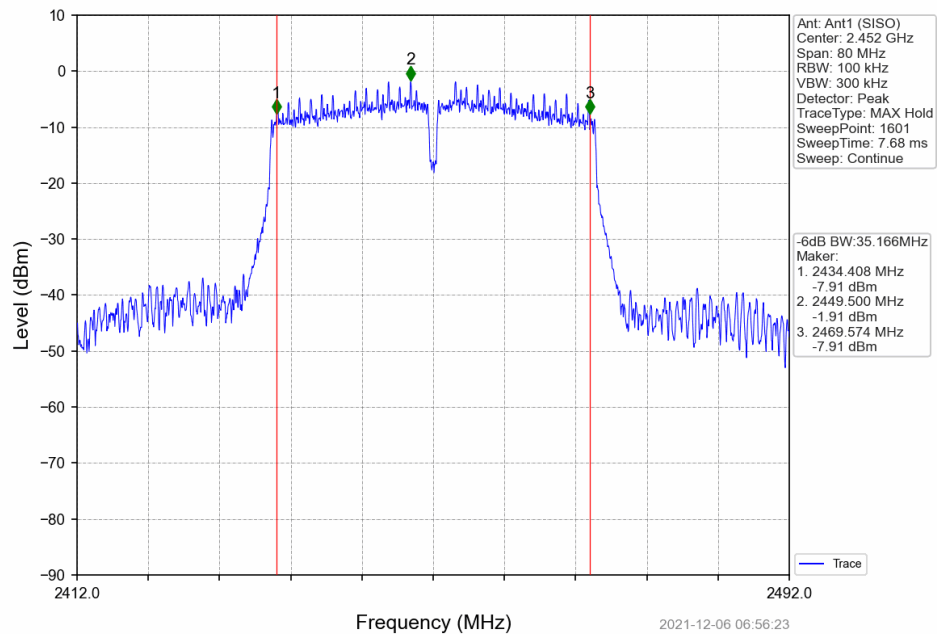
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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	15.99	<=30	Pass
		2437	16.19	<=30	Pass
		2462	16.60	<=30	Pass
802.11g	SISO	2412	19.64	<=30	Pass
		2437	21.70	<=30	Pass
		2462	19.80	<=30	Pass
802.11n (HT20)	SISO	2412	19.94	<=30	Pass
		2437	21.80	<=30	Pass
		2462	20.11	<=30	Pass
802.11n (HT40)	SISO	2422	18.51	<=30	Pass
		2437	17.26	<=30	Pass
		2452	19.48	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

4. Maximum Power Spectral Density

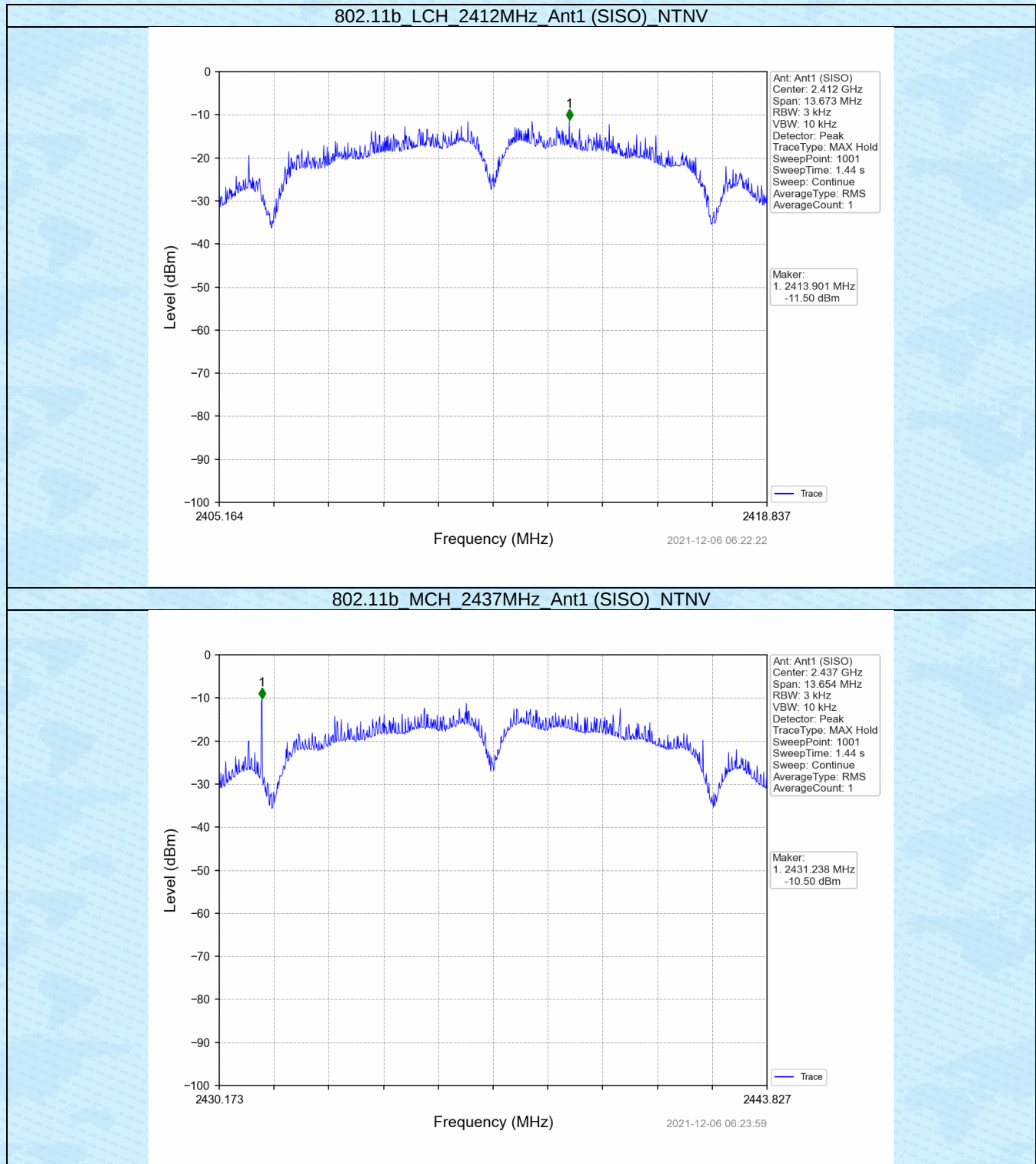
4.1 PSD

4.1.1 Test Result

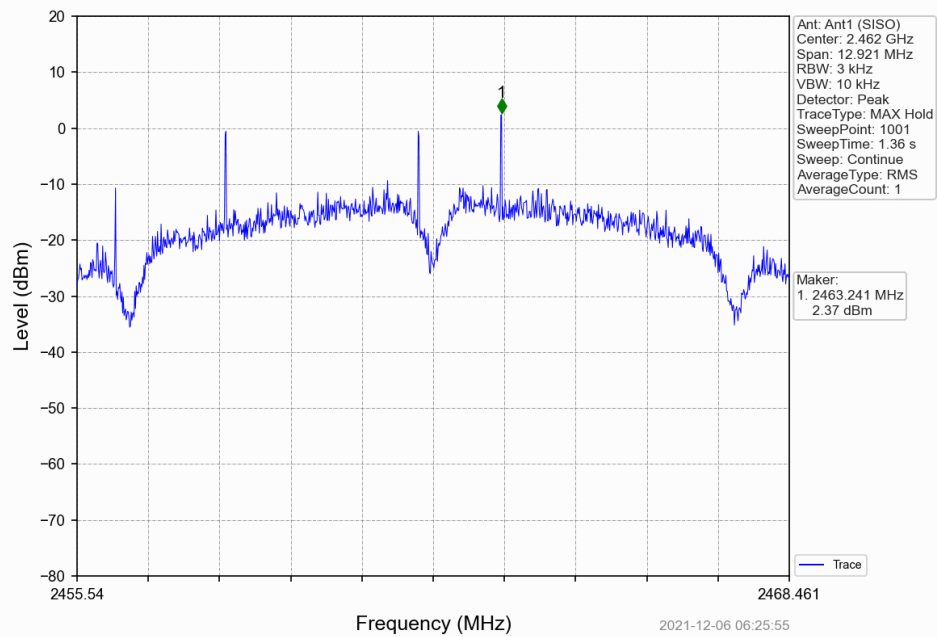
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-11.50	<=8	Pass
		2437	-10.50	<=8	Pass
		2462	2.37	<=8	Pass
802.11g	SISO	2412	-12.92	<=8	Pass
		2437	-12.28	<=8	Pass
		2462	-11.92	<=8	Pass
802.11n (HT20)	SISO	2412	-13.53	<=8	Pass
		2437	-12.74	<=8	Pass
		2462	-14.38	<=8	Pass
802.11n (HT40)	SISO	2422	-17.99	<=8	Pass
		2437	-15.39	<=8	Pass
		2452	-17.53	<=8	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

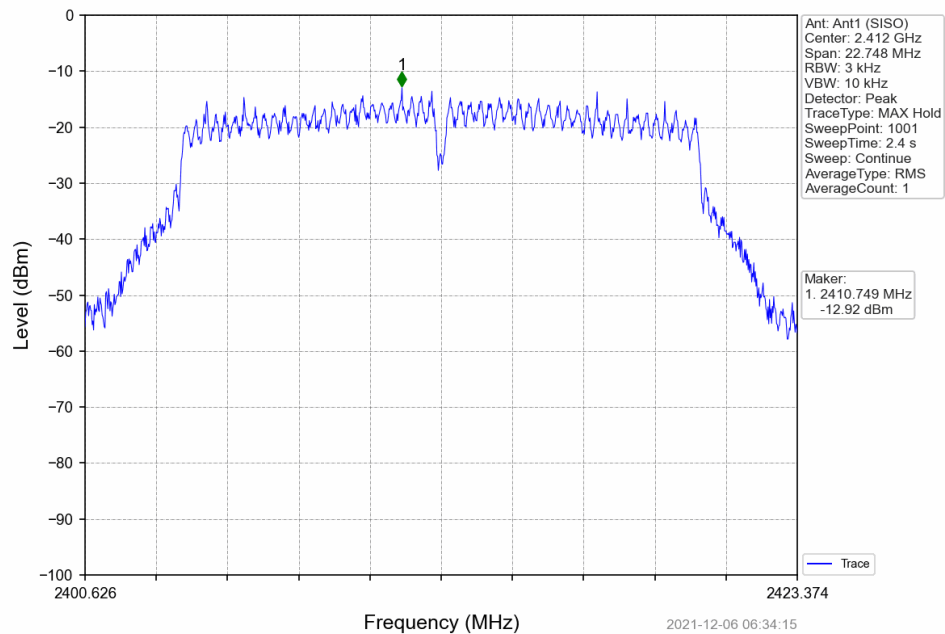
4.1.2 Test Graph



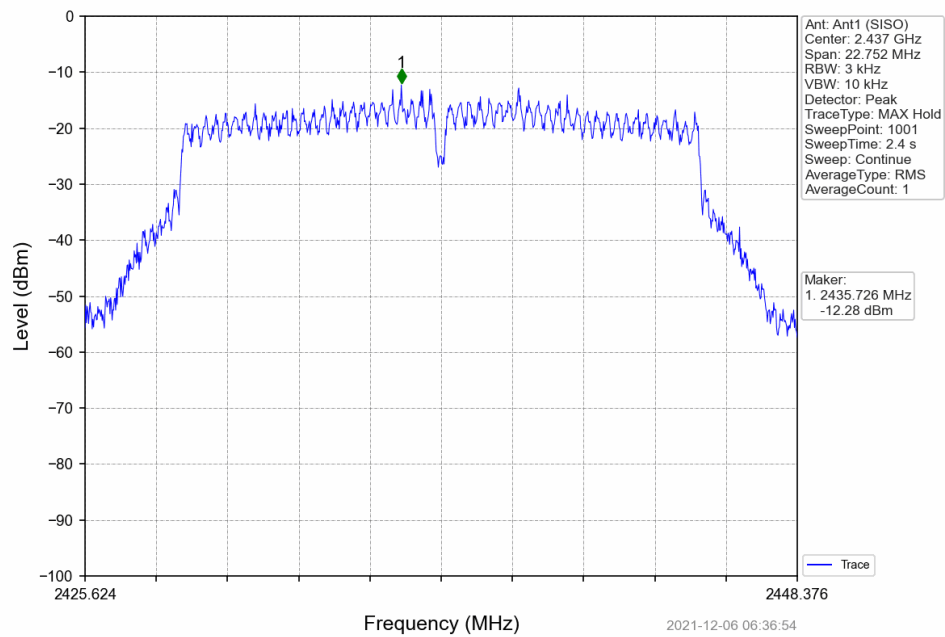
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



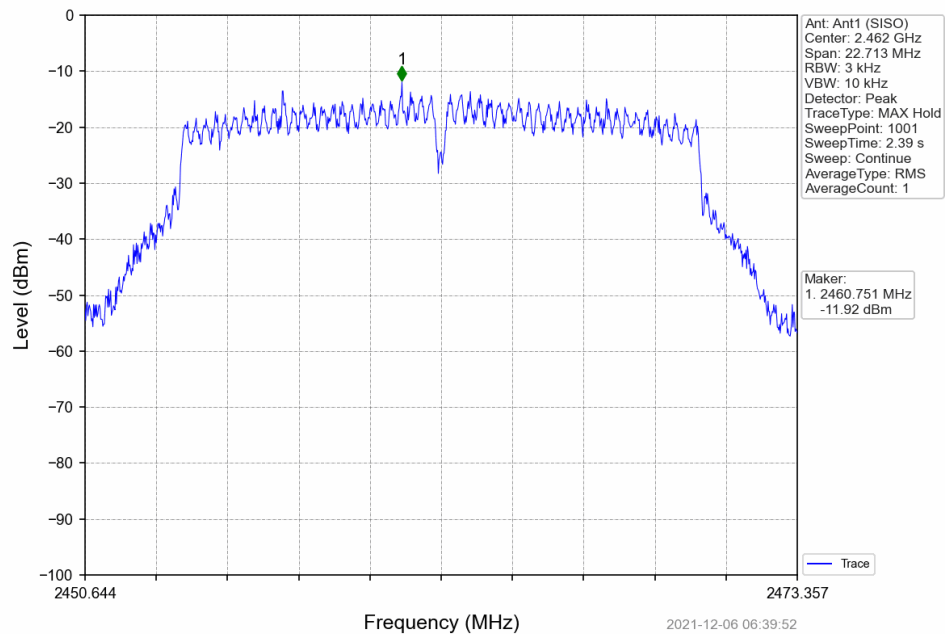
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



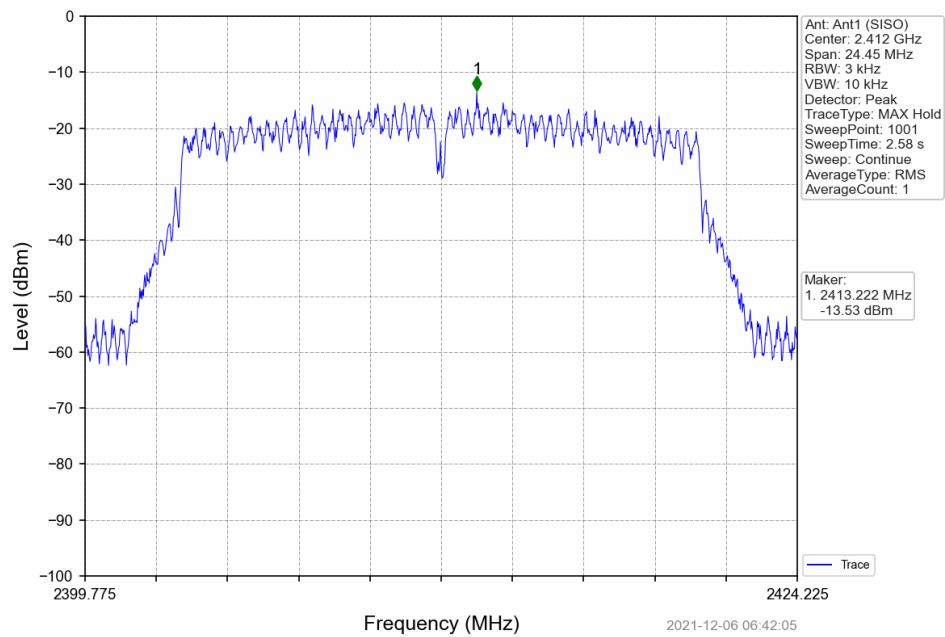
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



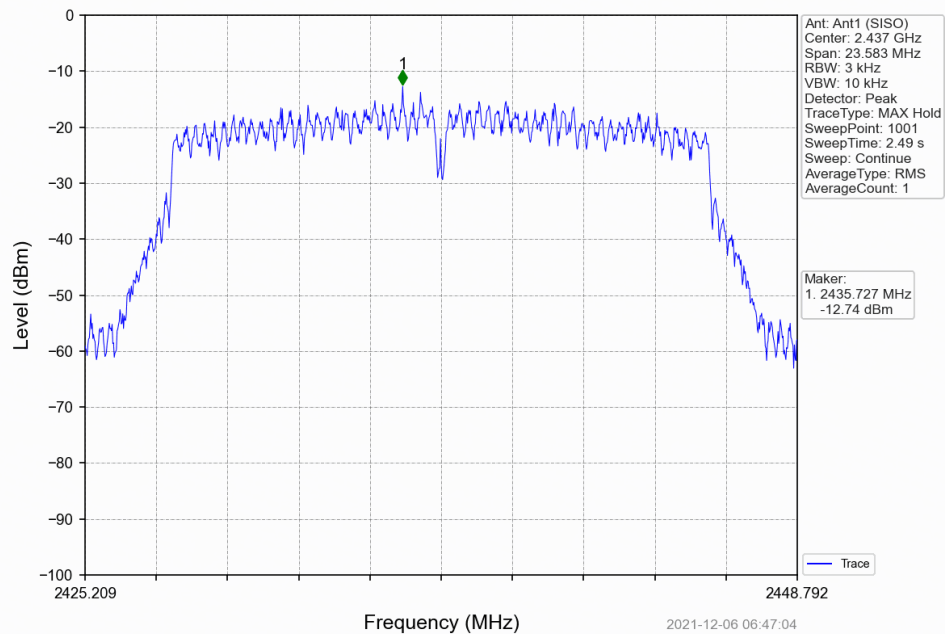
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



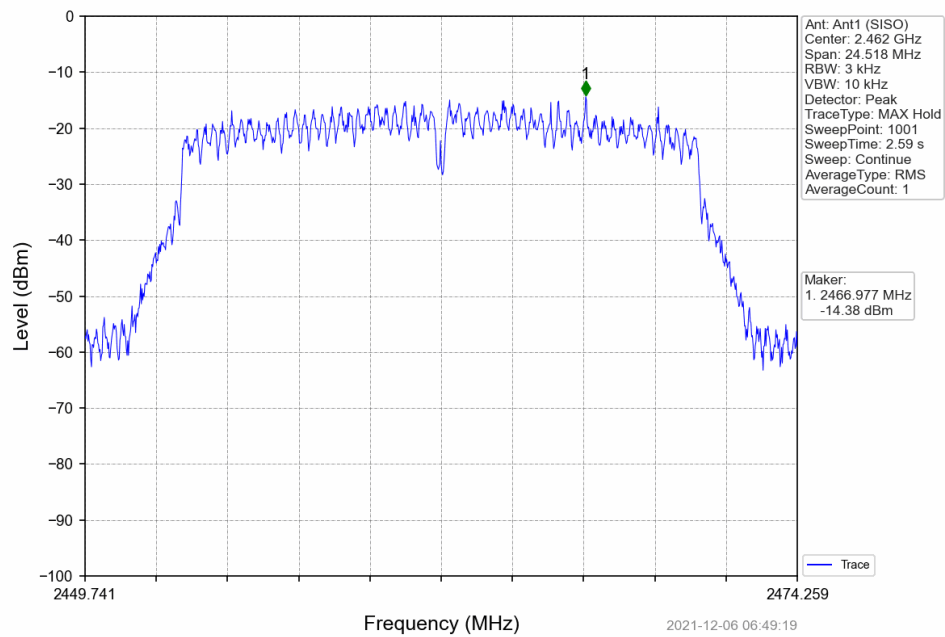
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



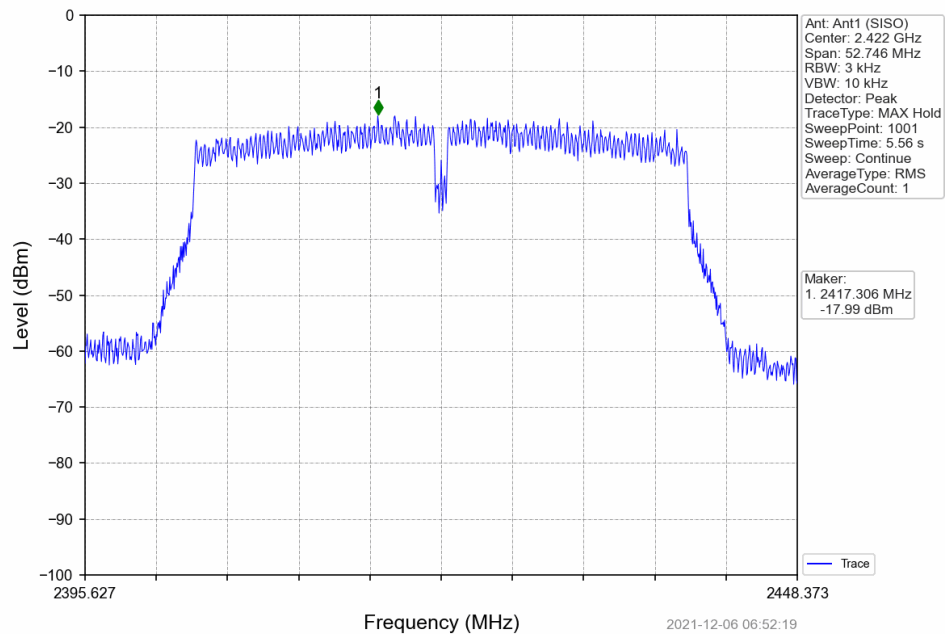
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



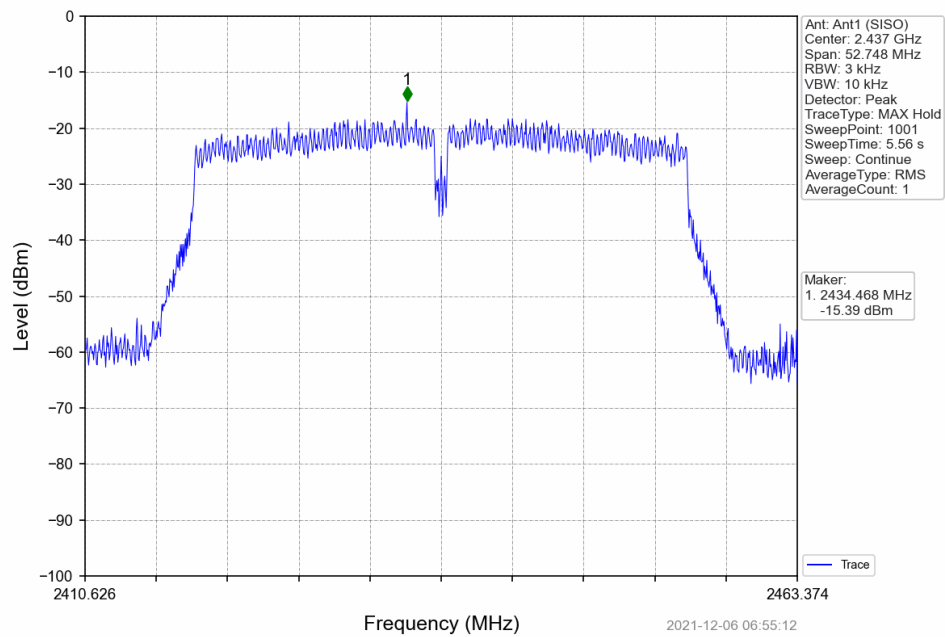
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



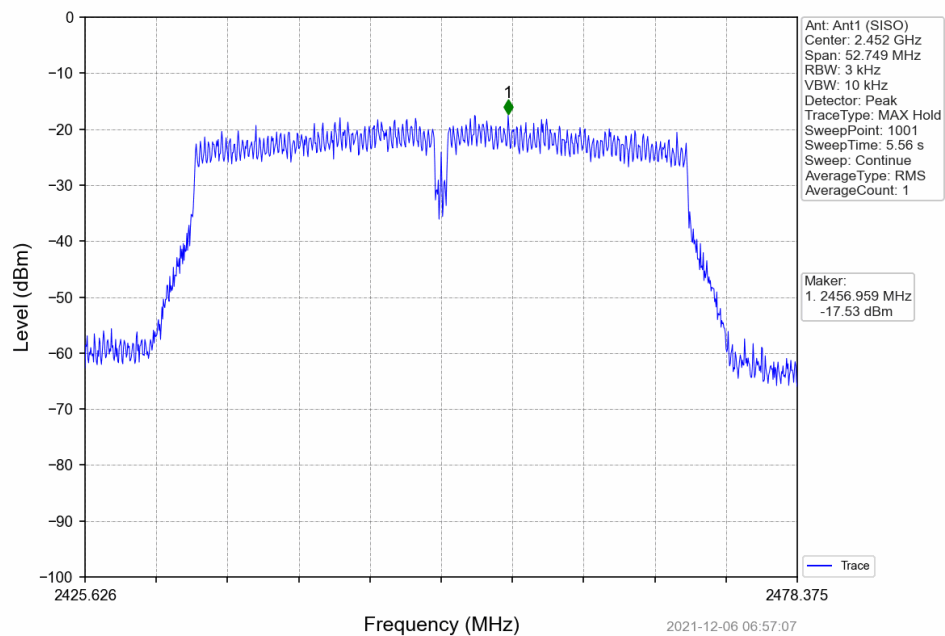
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



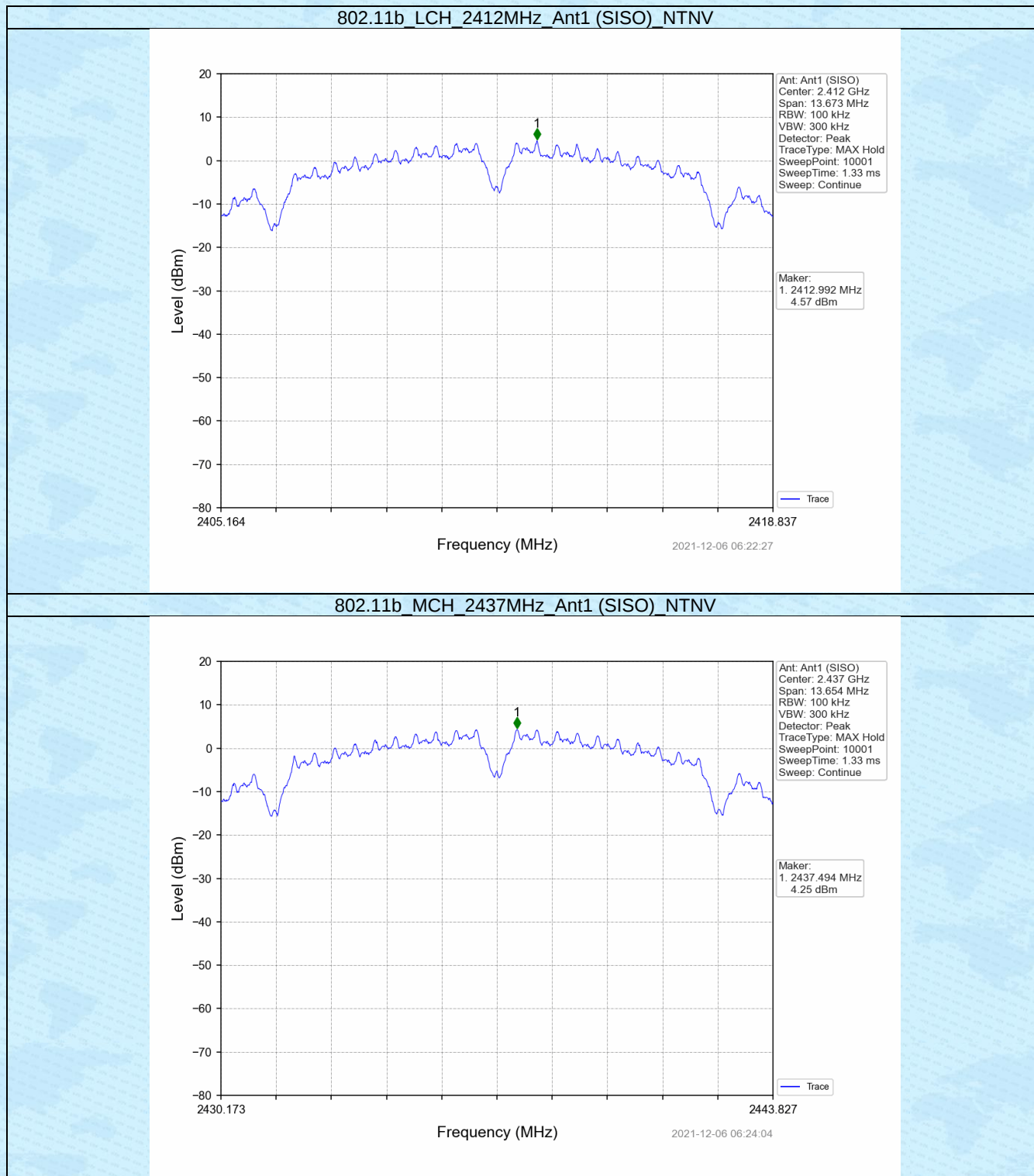
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

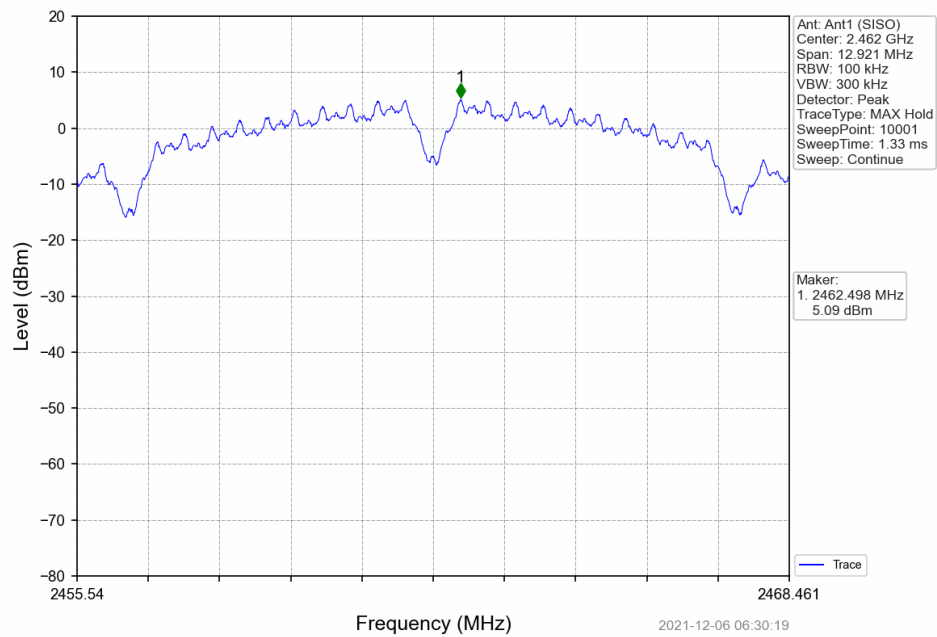
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	4.57
		2437	1	4.25
		2462	1	5.09
802.11g	SISO	2412	1	2.06
		2437	1	2.13
		2462	1	2.42
802.11n (HT20)	SISO	2412	1	0.81
		2437	1	0.98
		2462	1	0.65
802.11n (HT40)	SISO	2422	1	-2.48
		2437	1	-2.00
		2452	1	-1.88
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. Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.				

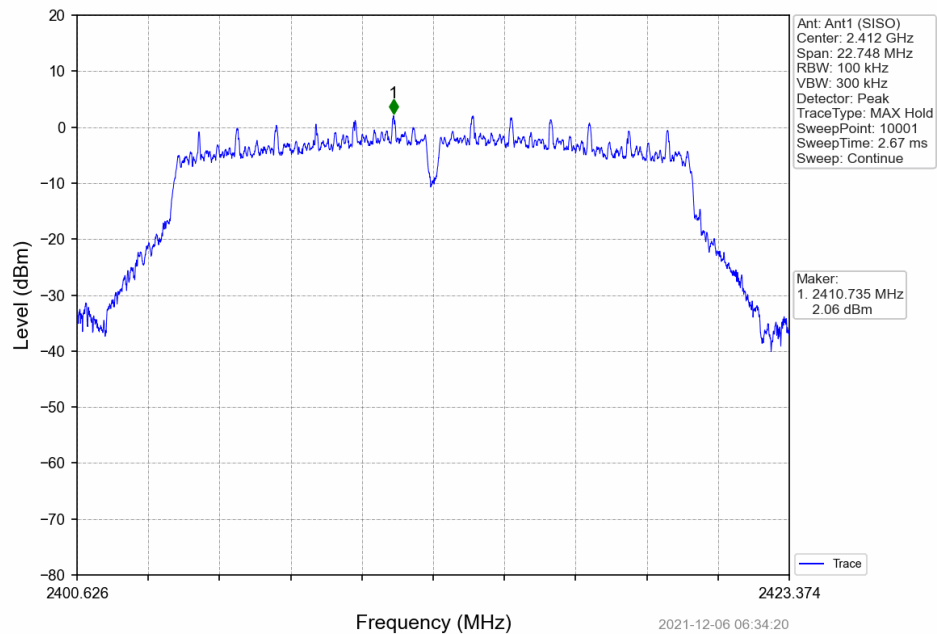
5.1.2 Test Graph



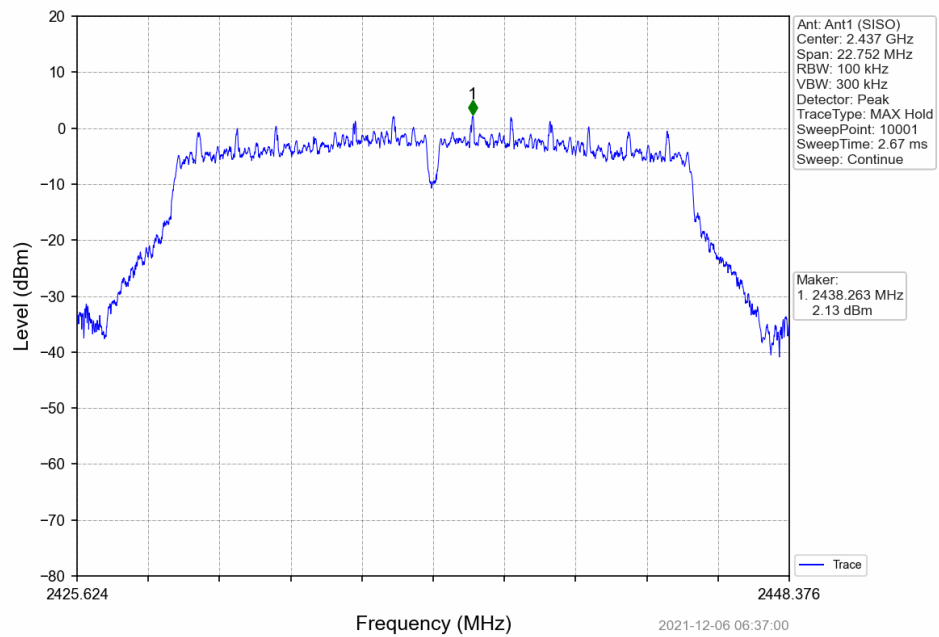
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



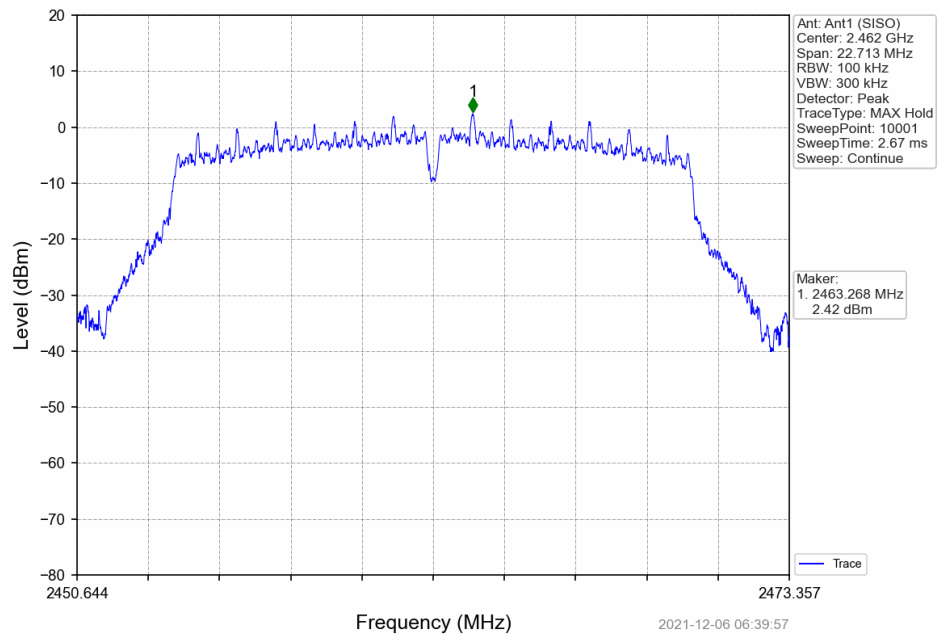
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



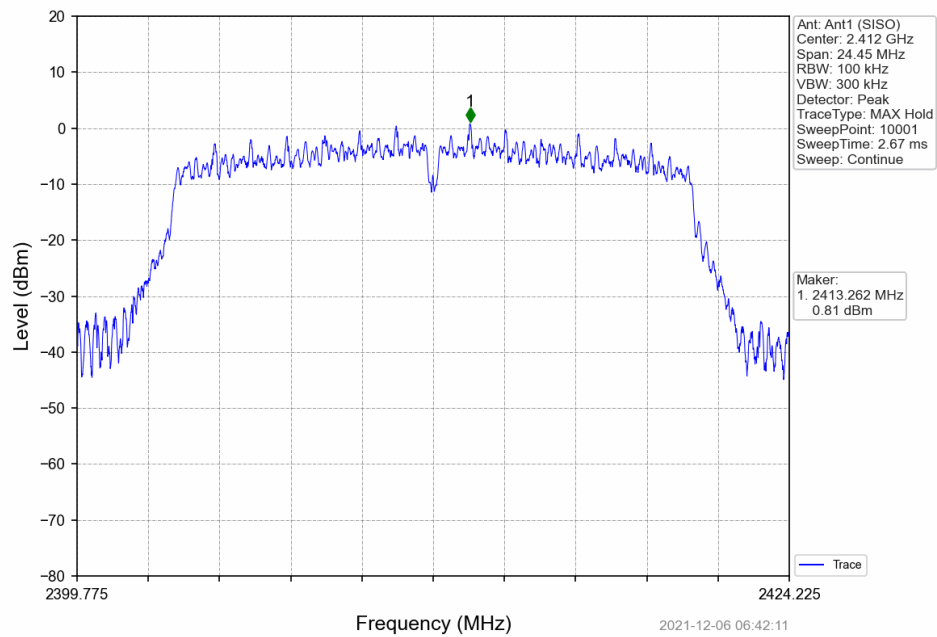
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



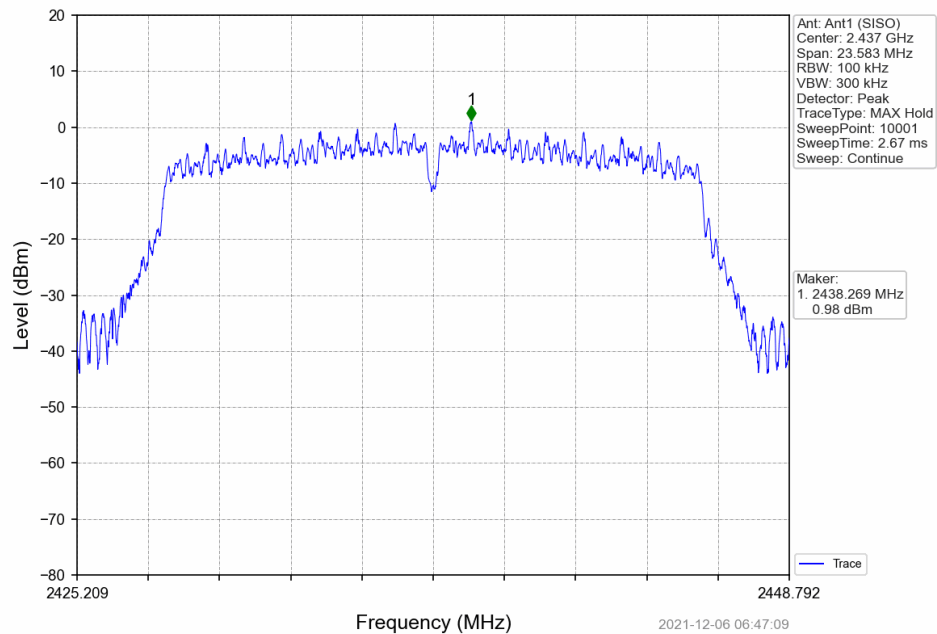
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



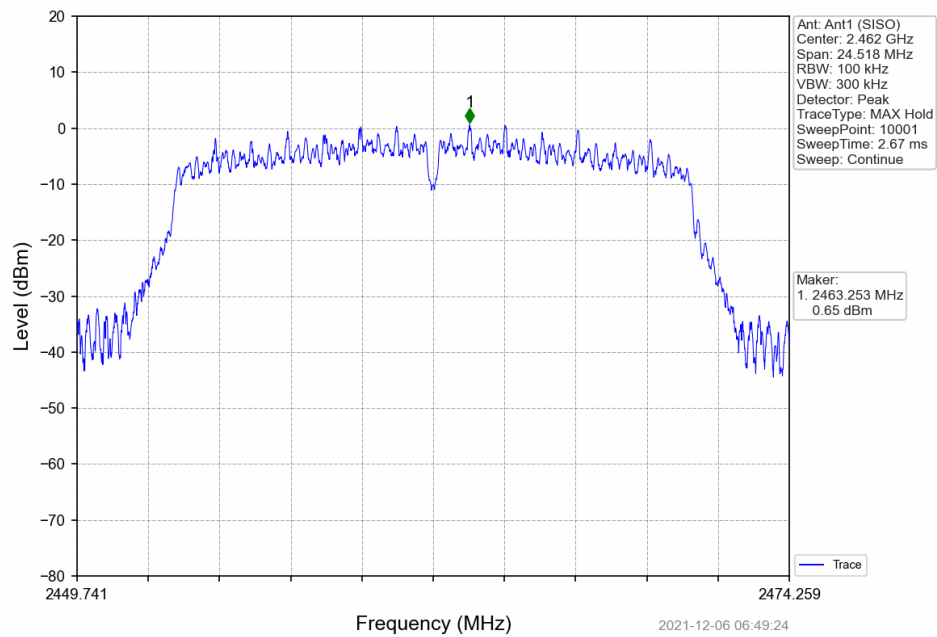
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



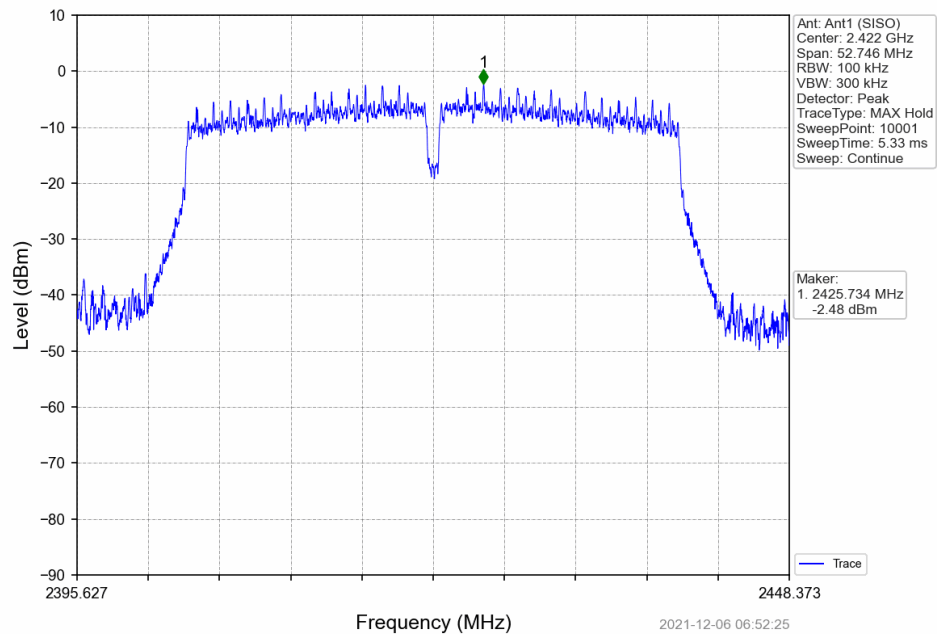
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



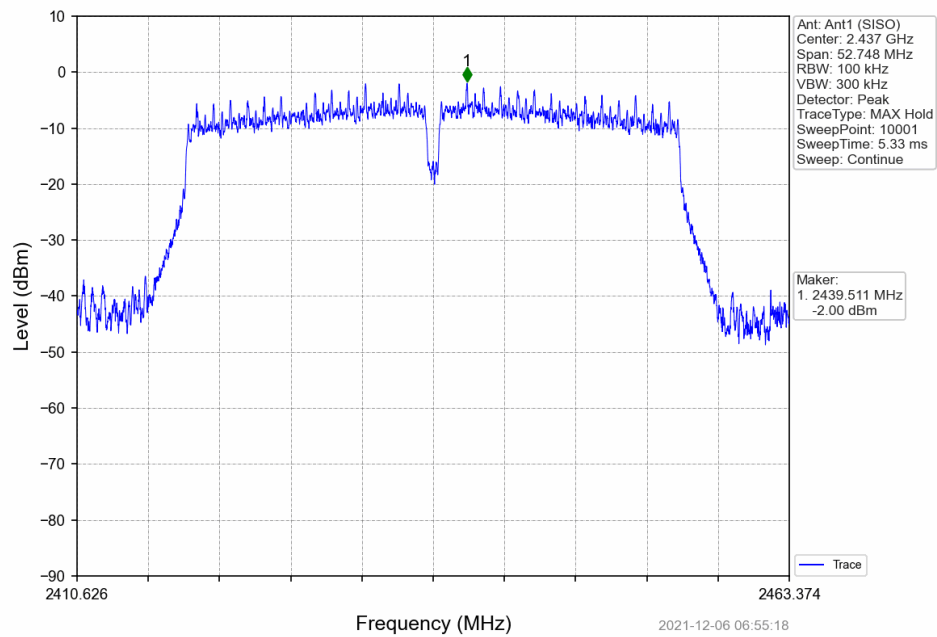
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



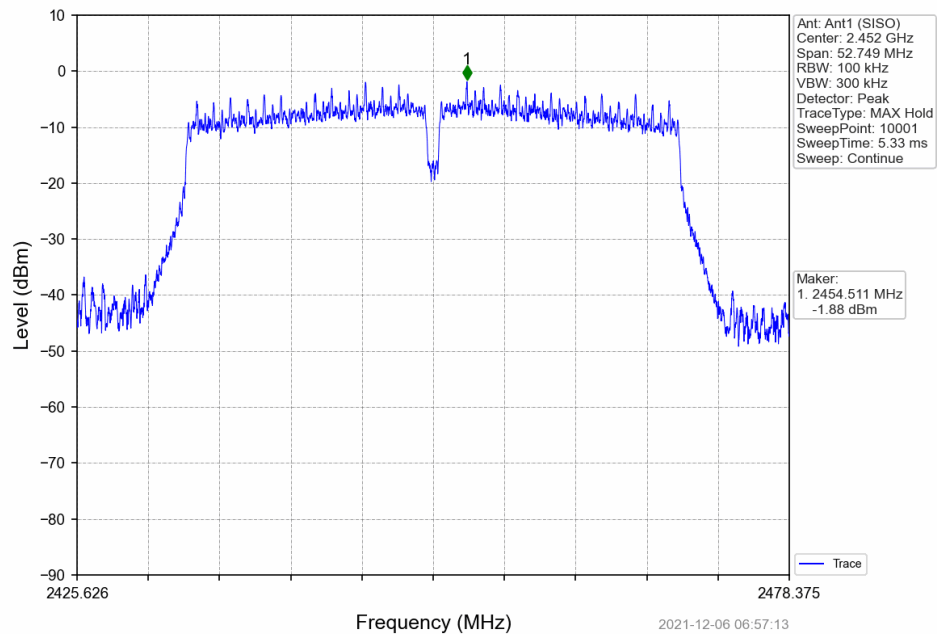
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



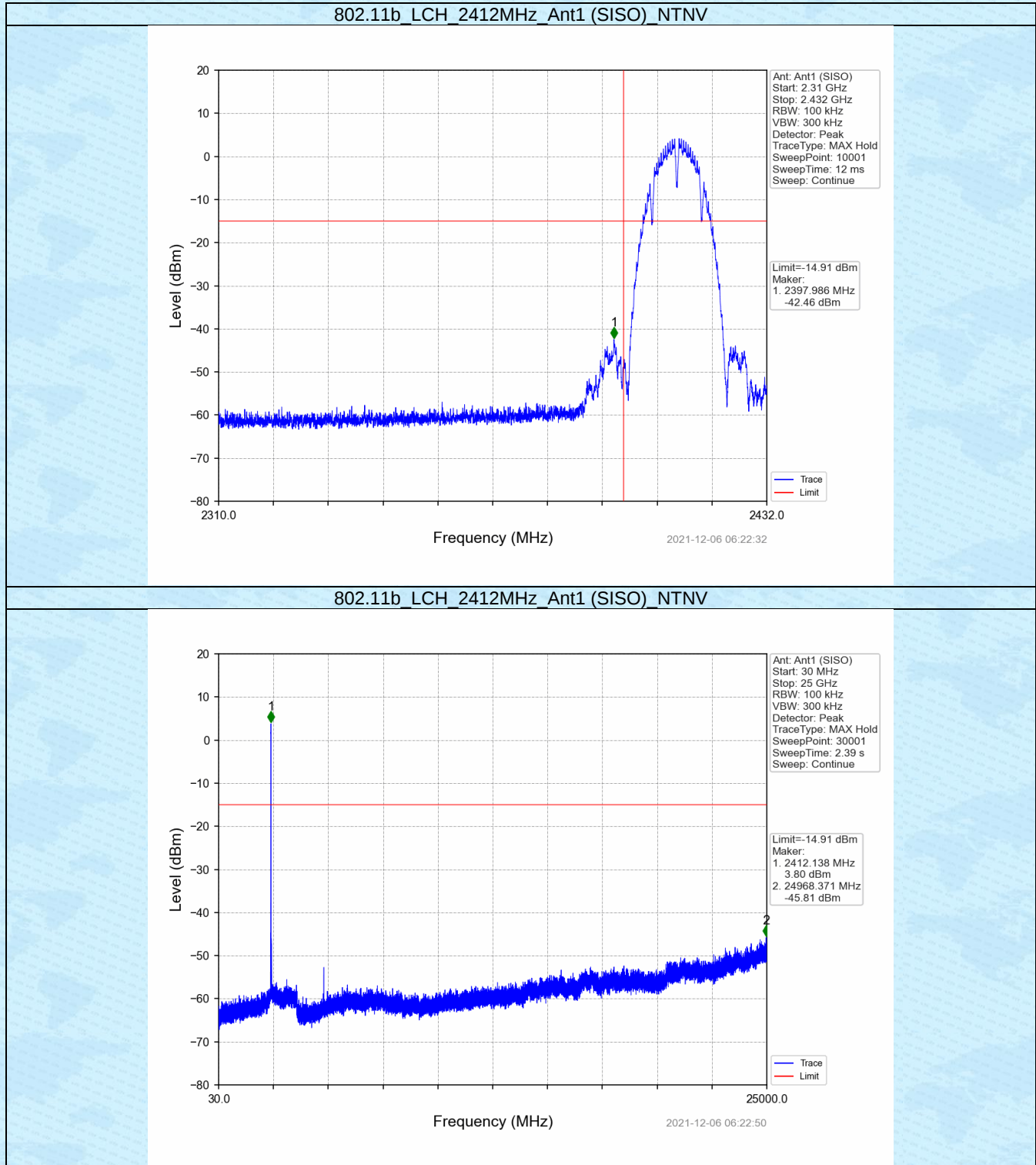
5.2 CSE

5.2.1 Test Result

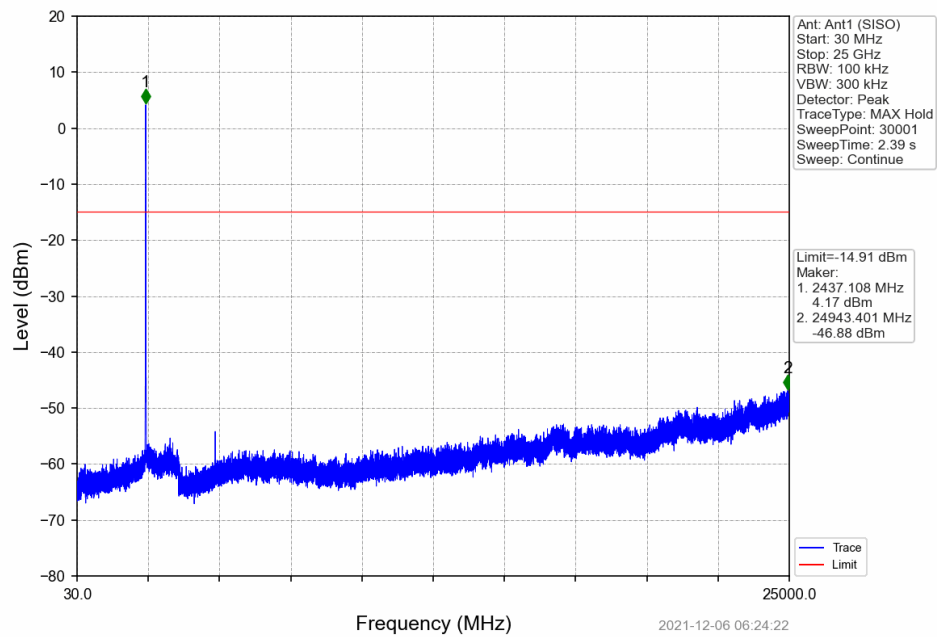
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.09	-14.91	Pass
		2437	1	5.09	-14.91	Pass
		2462	1	5.09	-14.91	Pass
802.11g	SISO	2412	1	2.42	-17.58	Pass
		2437	1	2.42	-17.58	Pass
		2462	1	2.42	-17.58	Pass
802.11n (HT20)	SISO	2412	1	0.98	-19.02	Pass
		2437	1	0.98	-19.02	Pass
		2462	1	0.98	-19.02	Pass
802.11n (HT40)	SISO	2422	1	-1.88	-21.88	Pass
		2437	1	-1.88	-21.88	Pass
		2452	1	-1.88	-21.88	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.
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

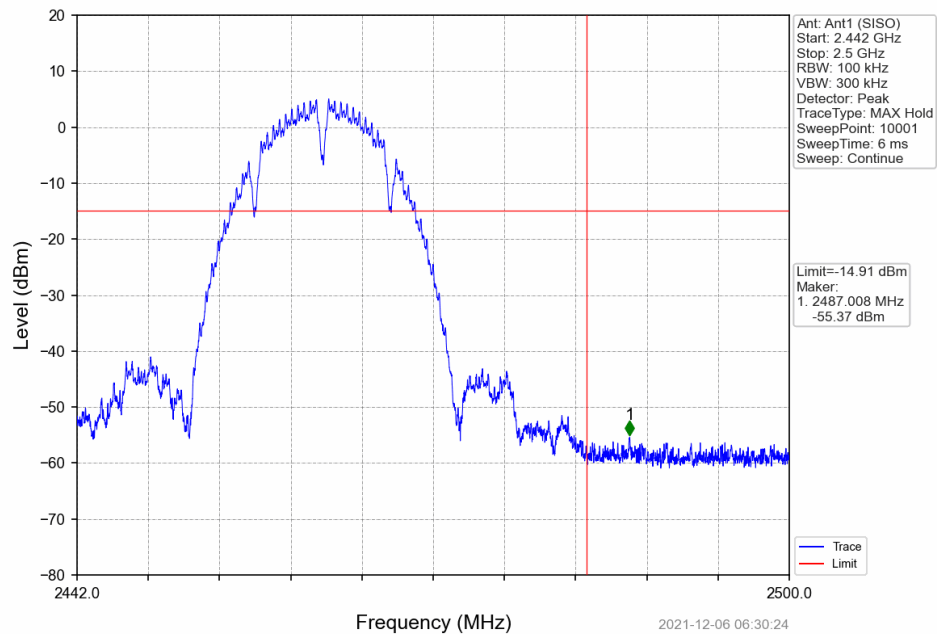
5.2.2 Test Graph



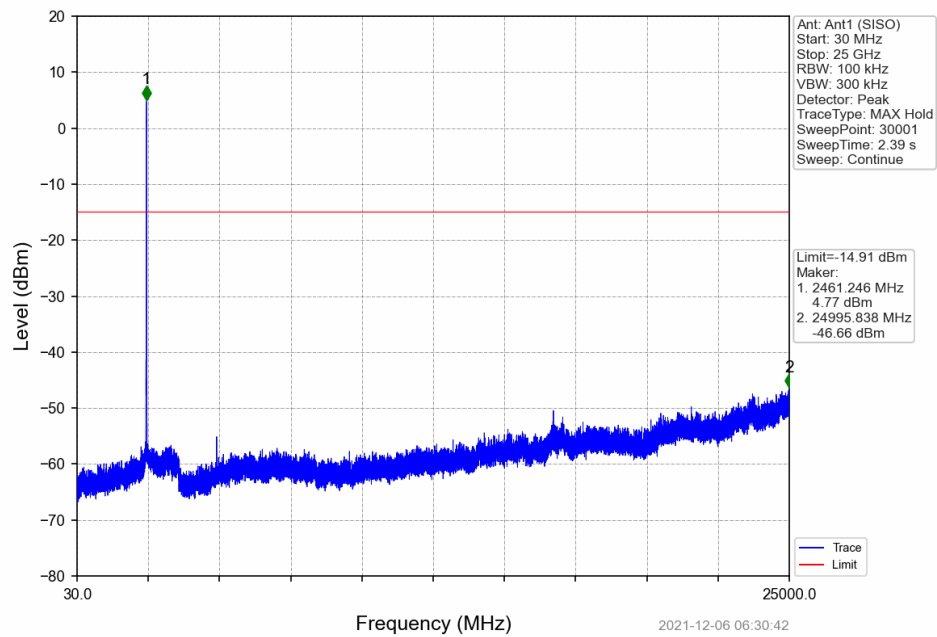
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



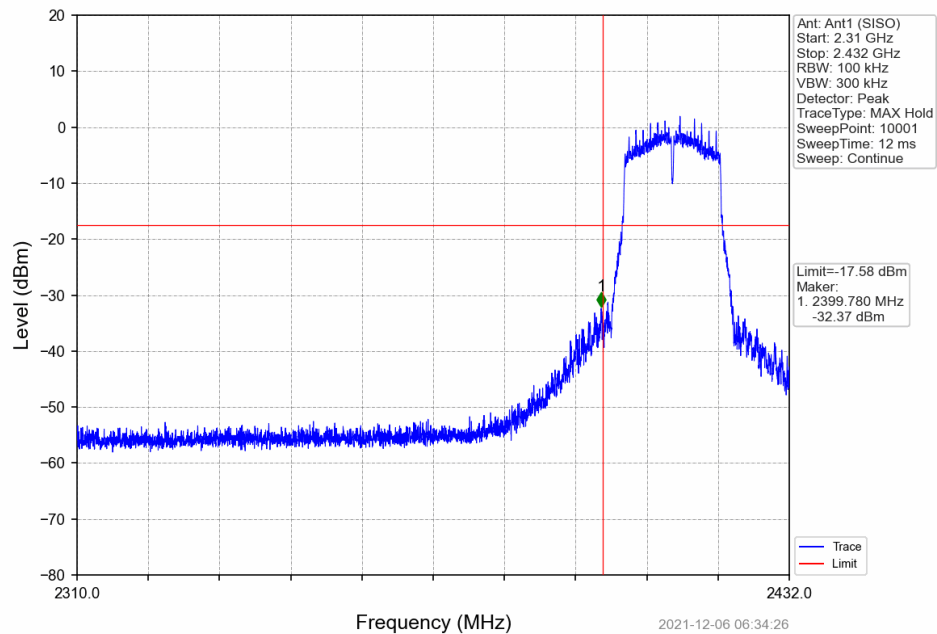
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



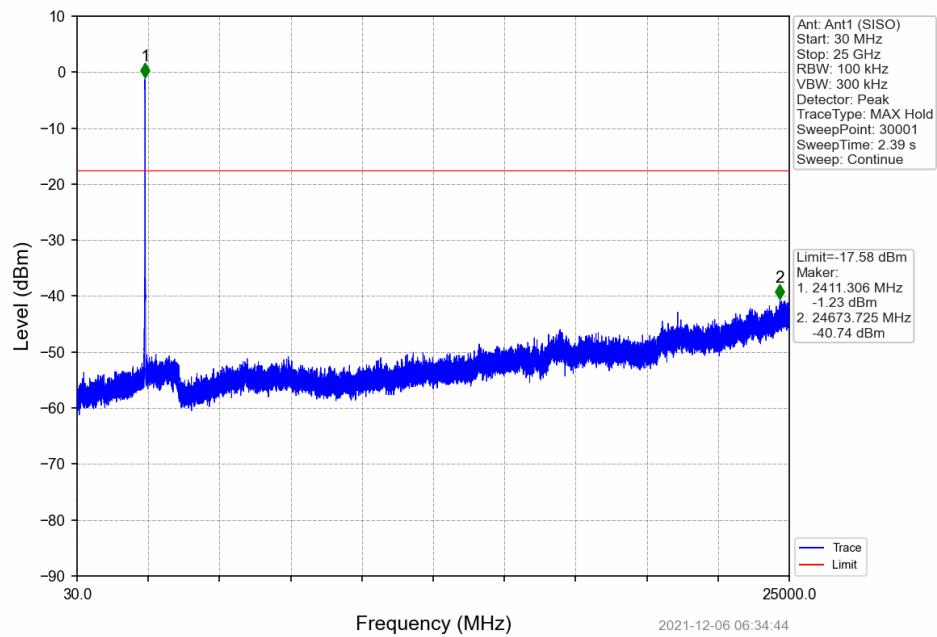
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



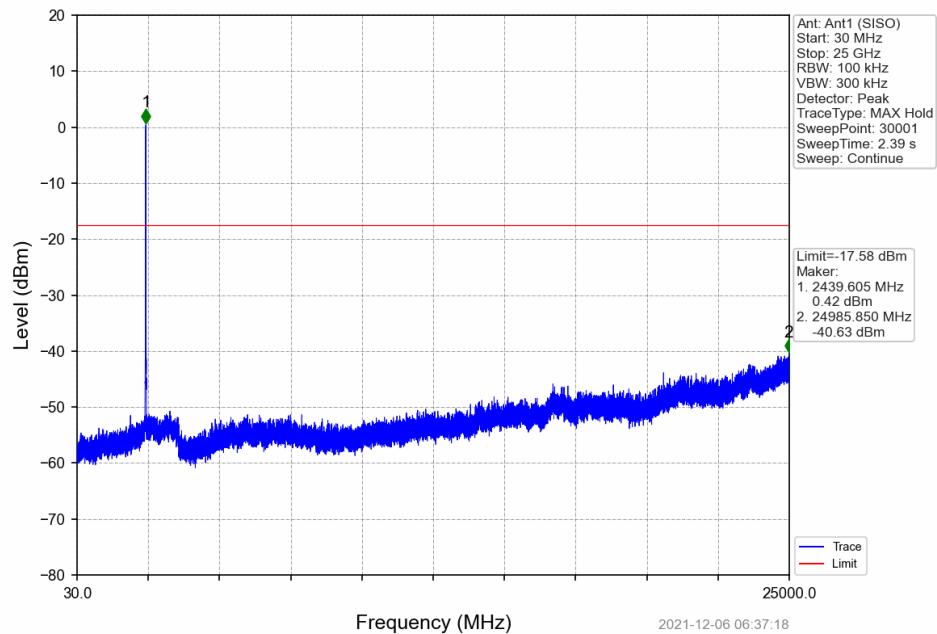
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



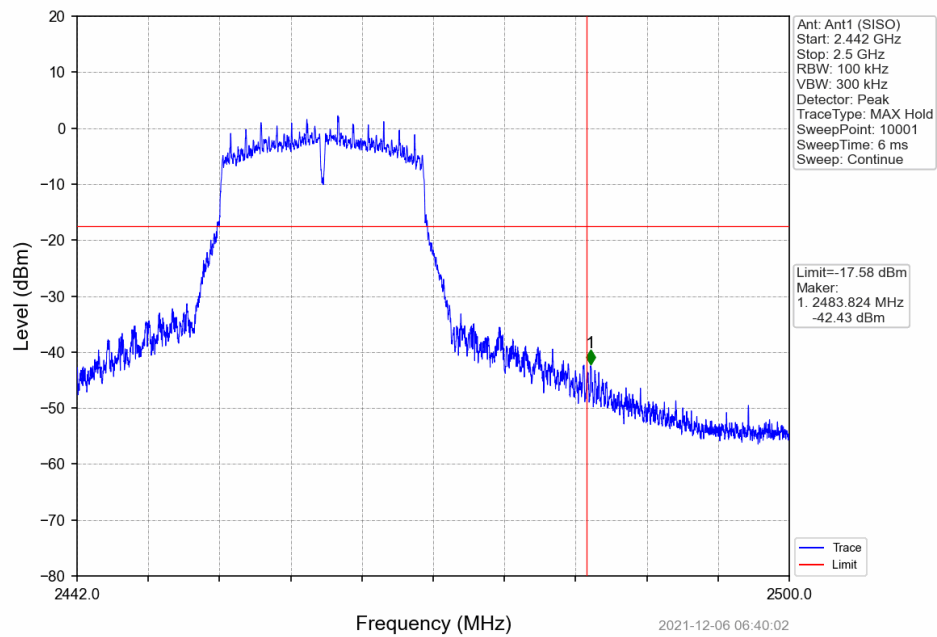
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



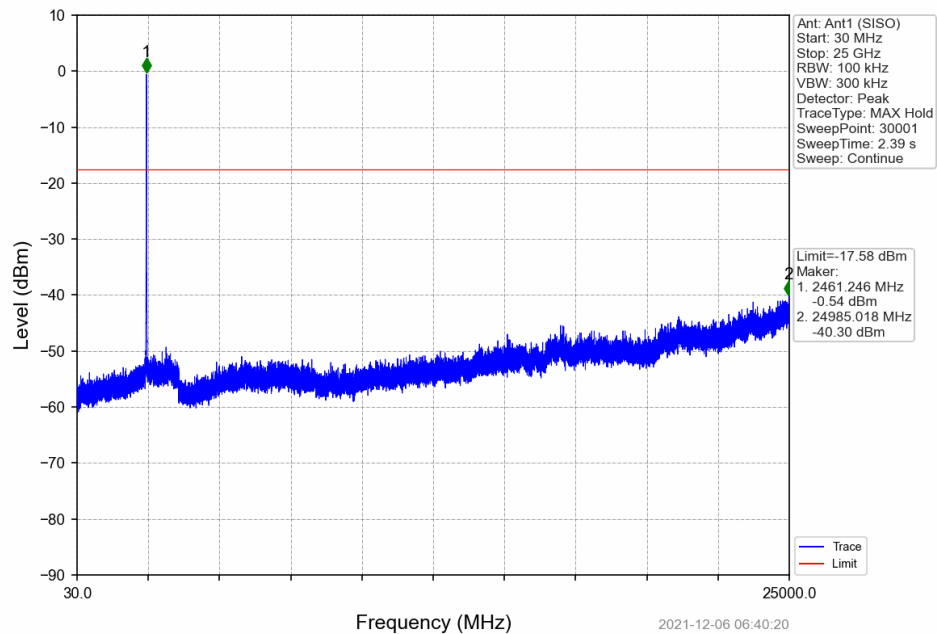
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



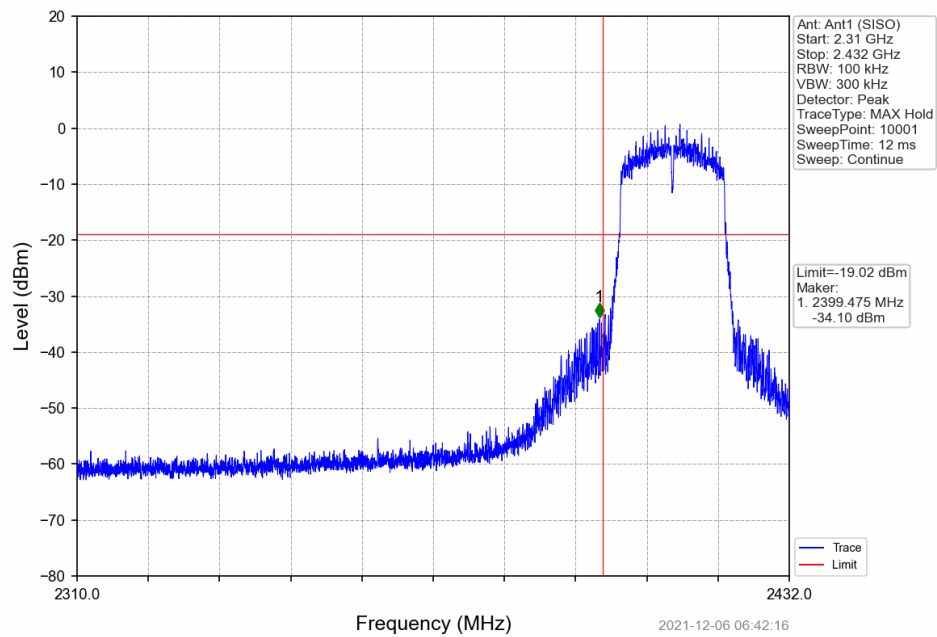
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



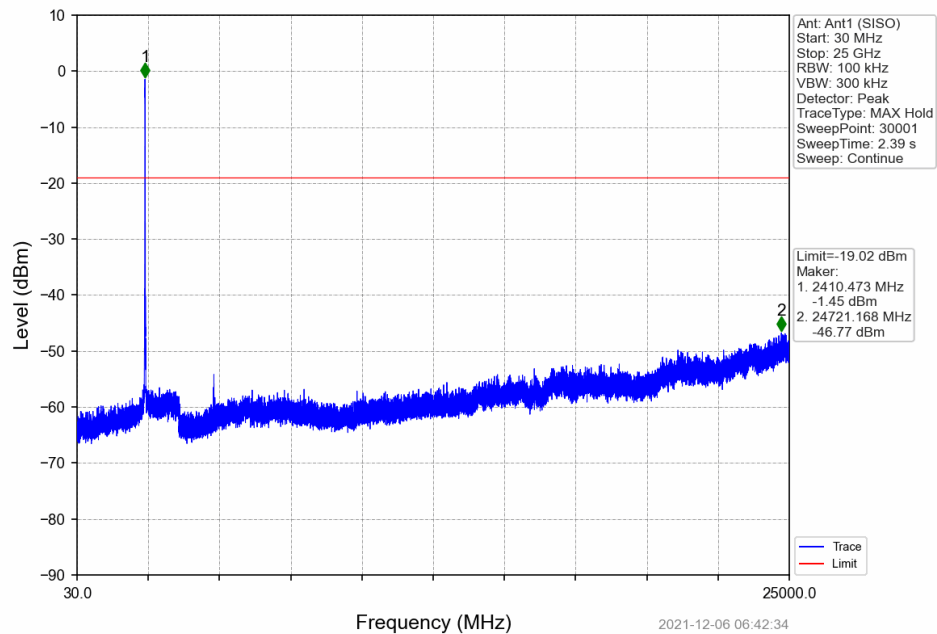
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



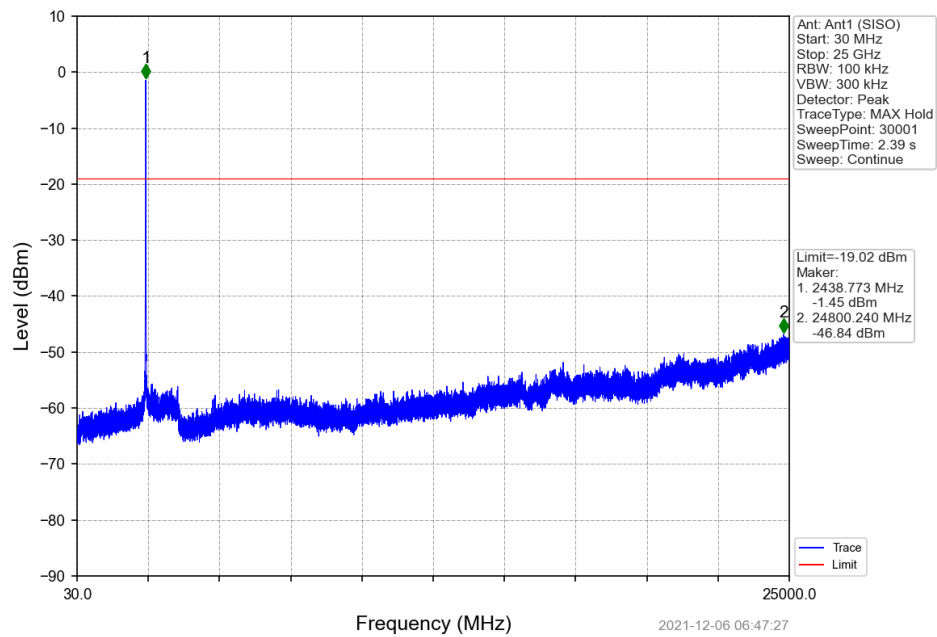
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



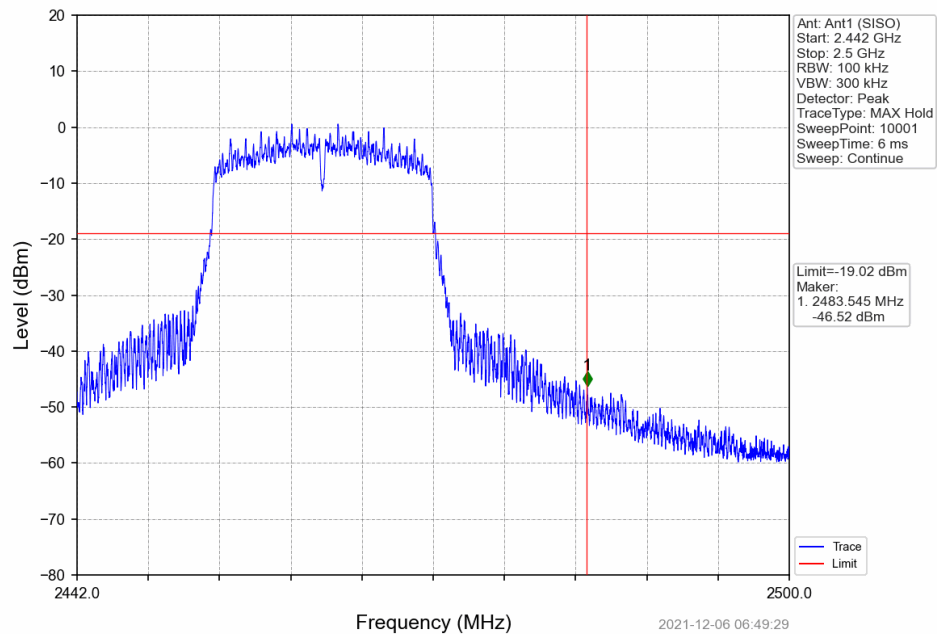
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



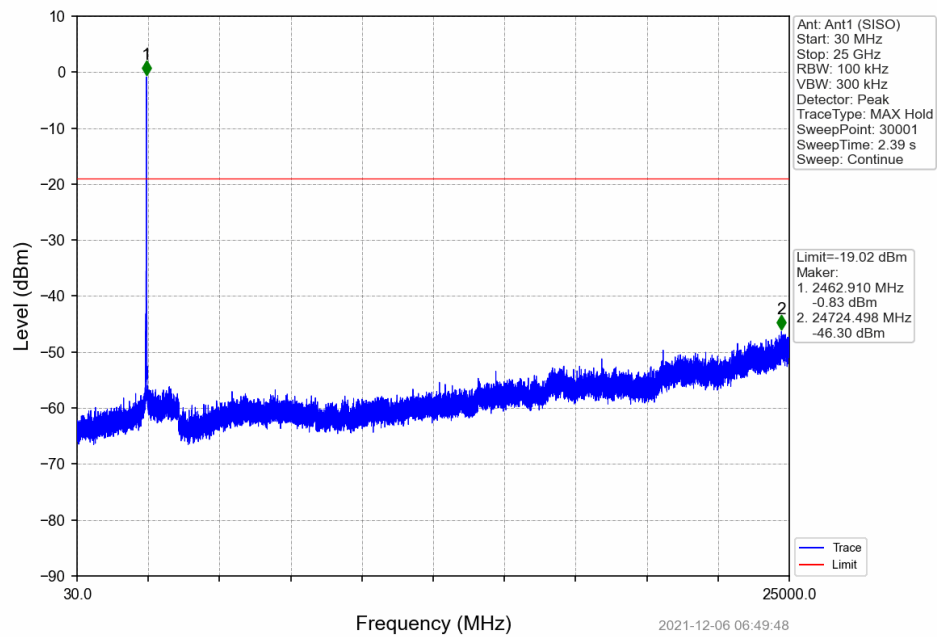
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



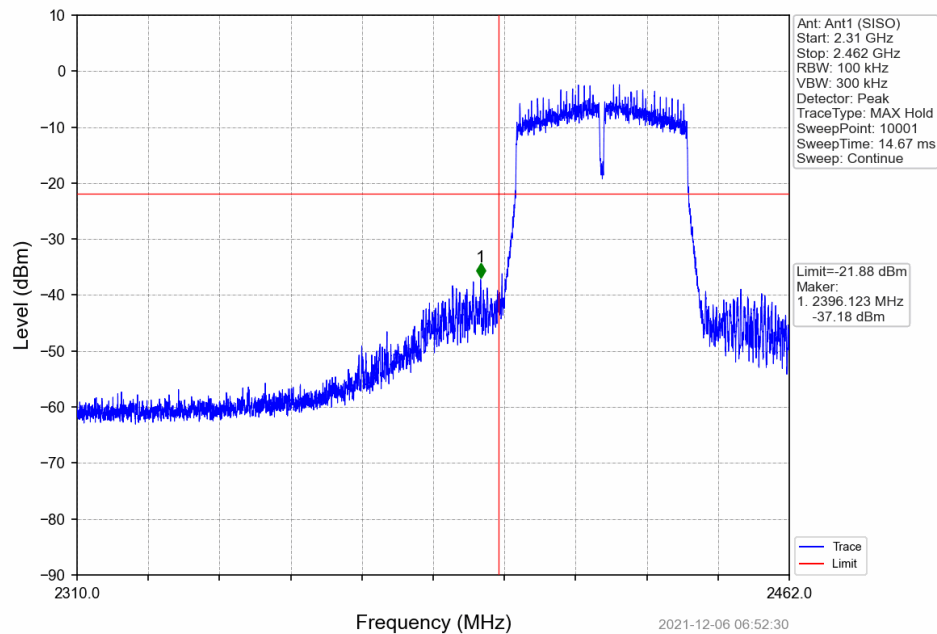
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



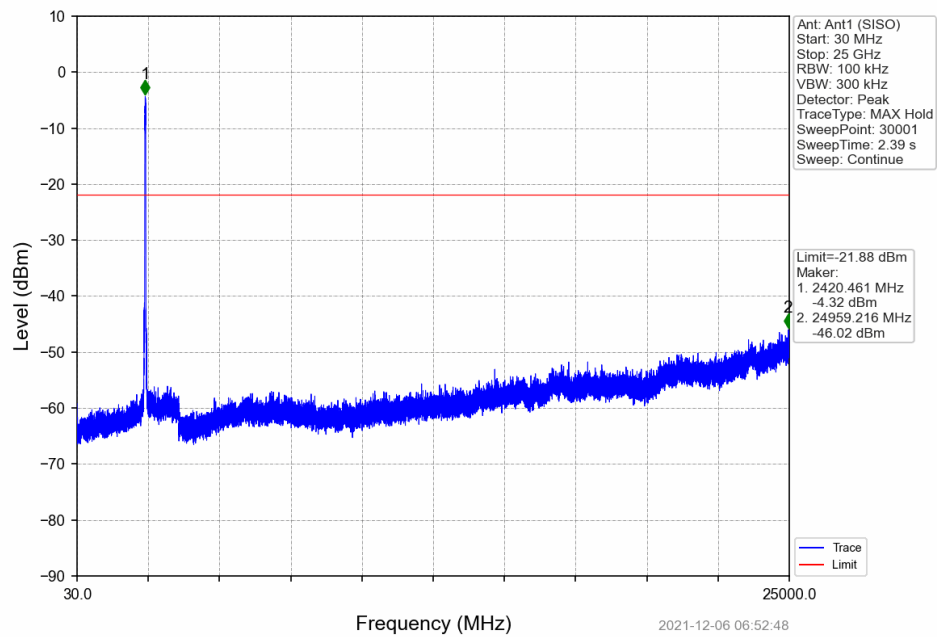
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



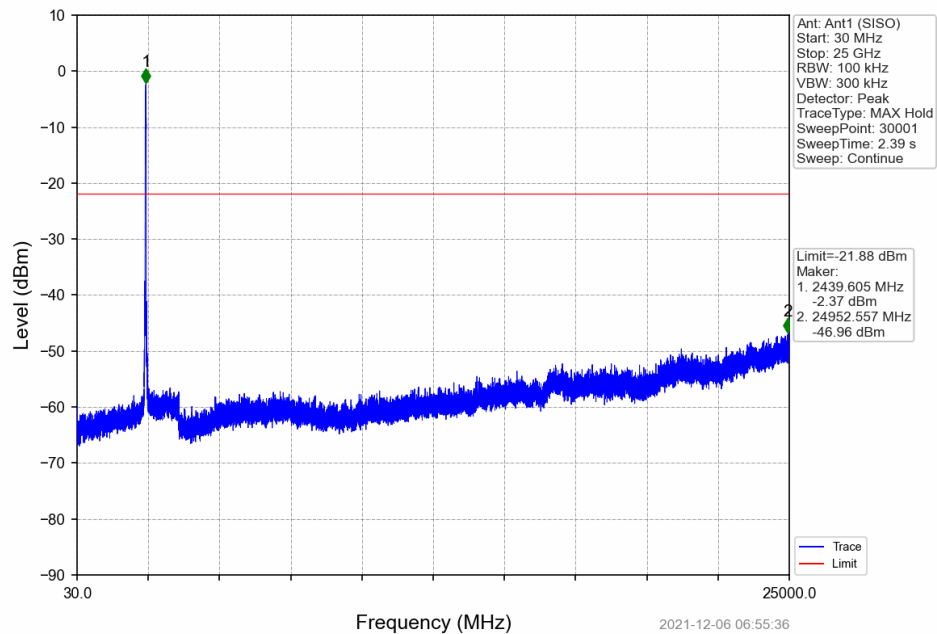
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



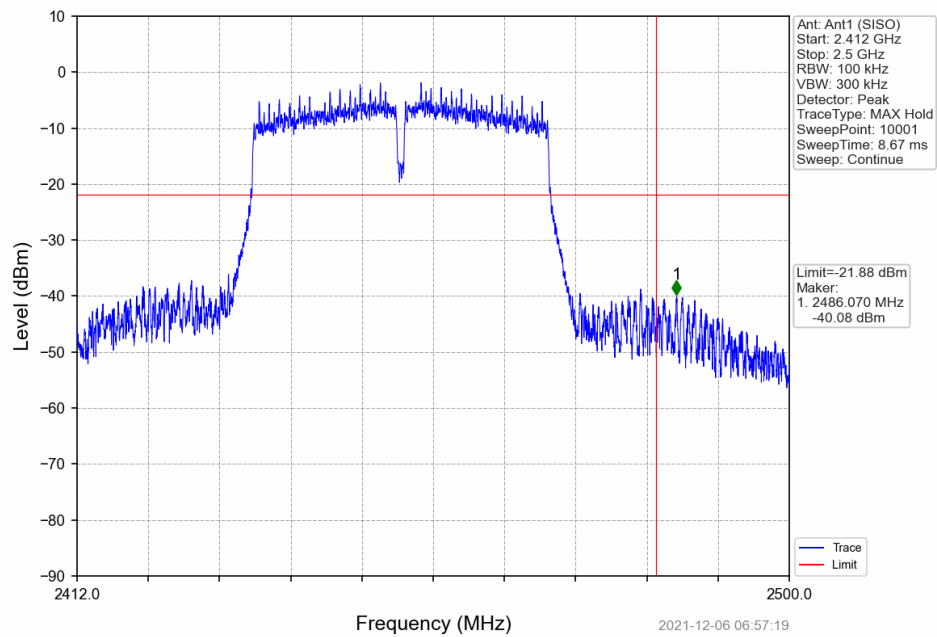
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



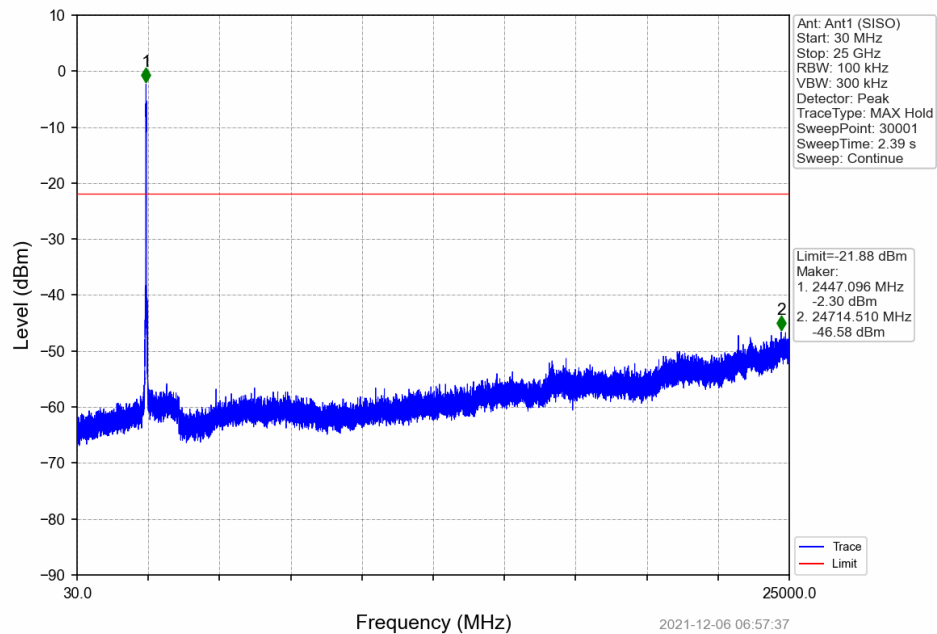
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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