

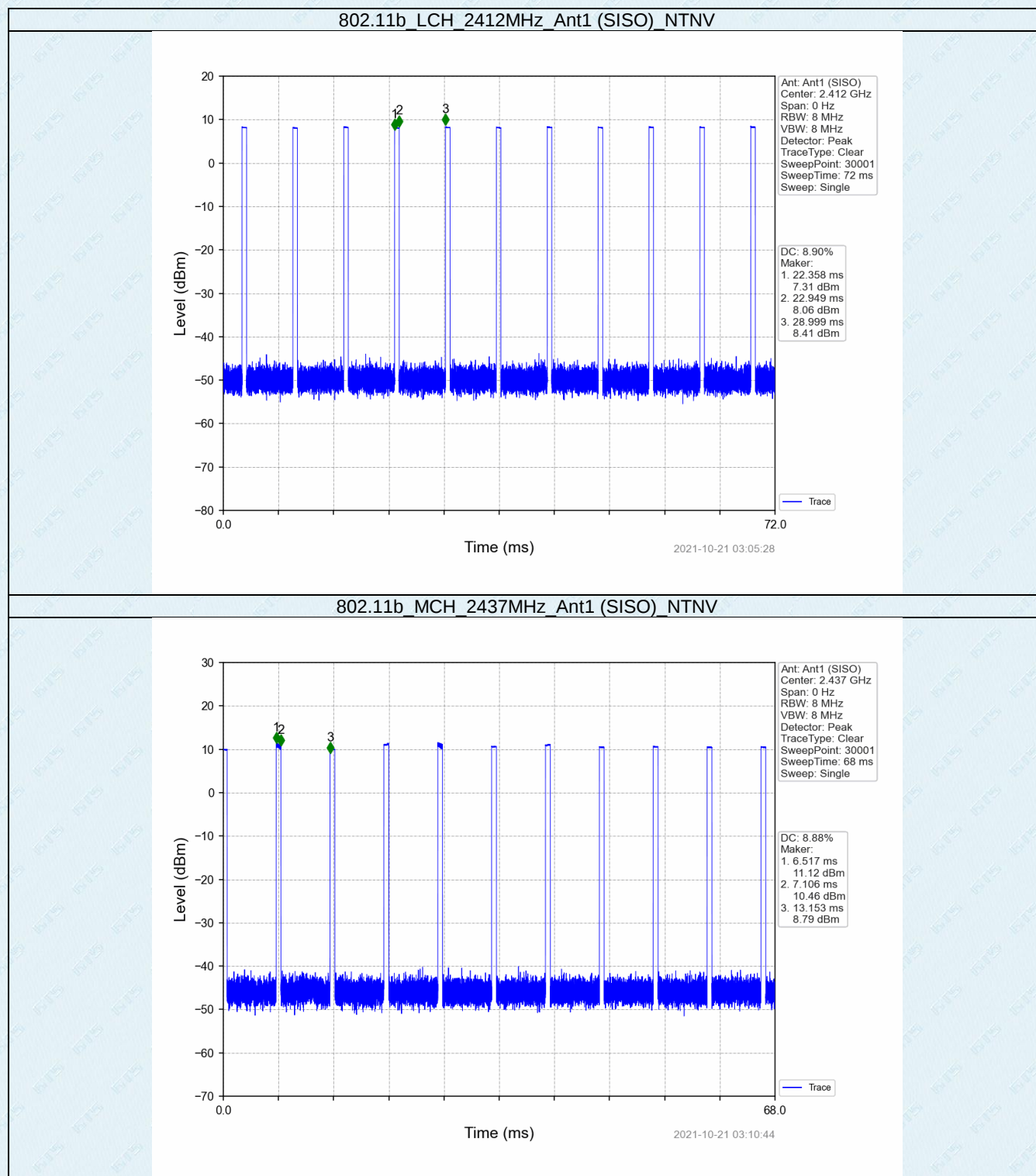
1. Duty Cycle

1.1 Ant1

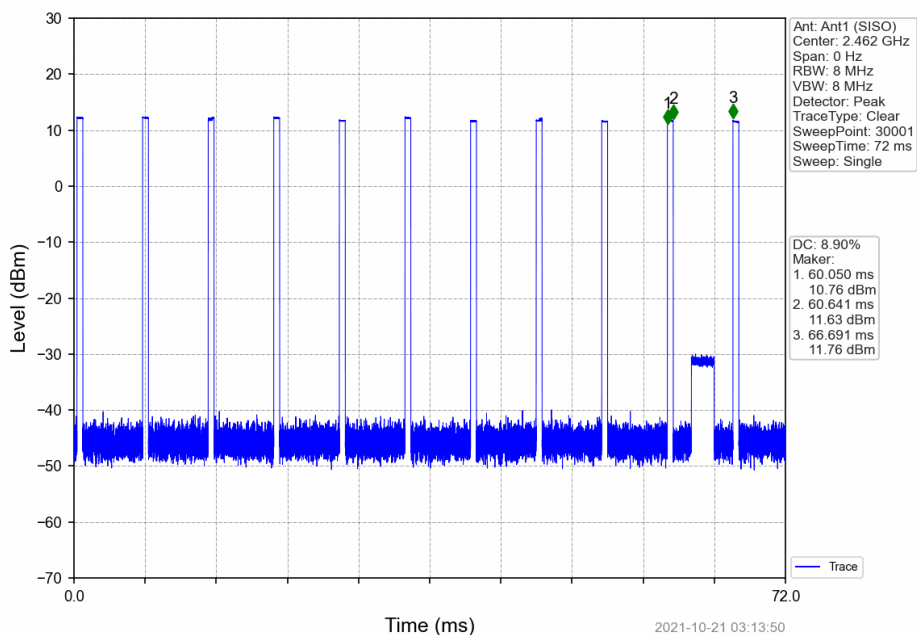
1.1.1 Test Result

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	0.591	6.641	8.90	10.51	0.04
		2437	0.589	6.636	8.88	10.52	0.03
		2462	0.591	6.641	8.90	10.51	0.04
802.11g	SISO	2412	0.584	6.632	8.81	10.55	0.04
		2437	0.584	6.634	8.80	10.55	0.04
		2462	0.583	6.633	8.79	10.56	0.04
802.11n (HT20)	SISO	2412	0.560	6.610	8.47	10.72	0.00
		2437	0.559	6.610	8.46	10.73	0.04
		2462	0.559	6.609	8.46	10.73	0.04
802.11n (HT40)	SISO	2422	0.579	6.627	8.74	10.59	0.04
		2437	0.578	6.629	8.72	10.60	0.04
		2452	0.579	12.701	4.56	13.41	4.23

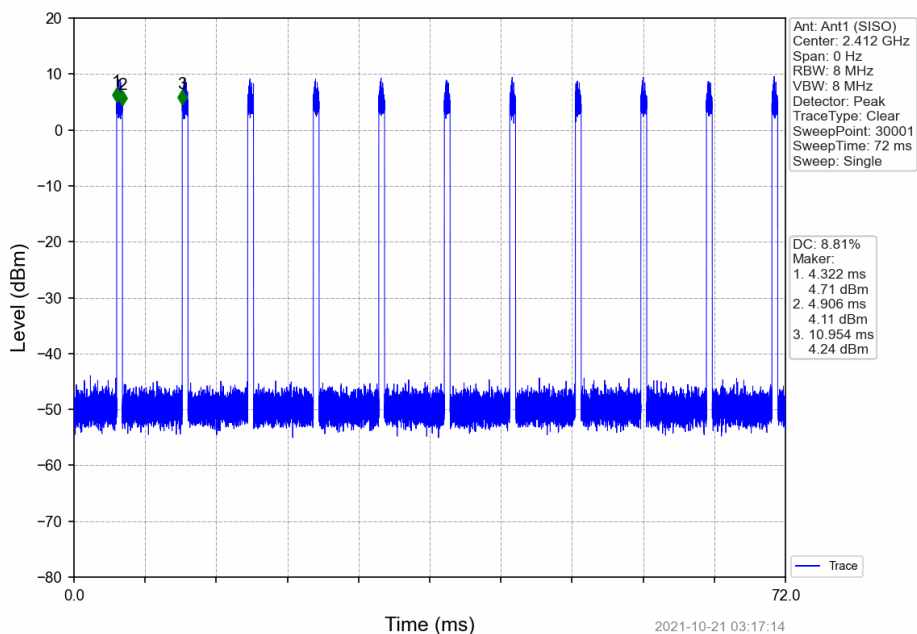
1.1.2 Test Graph



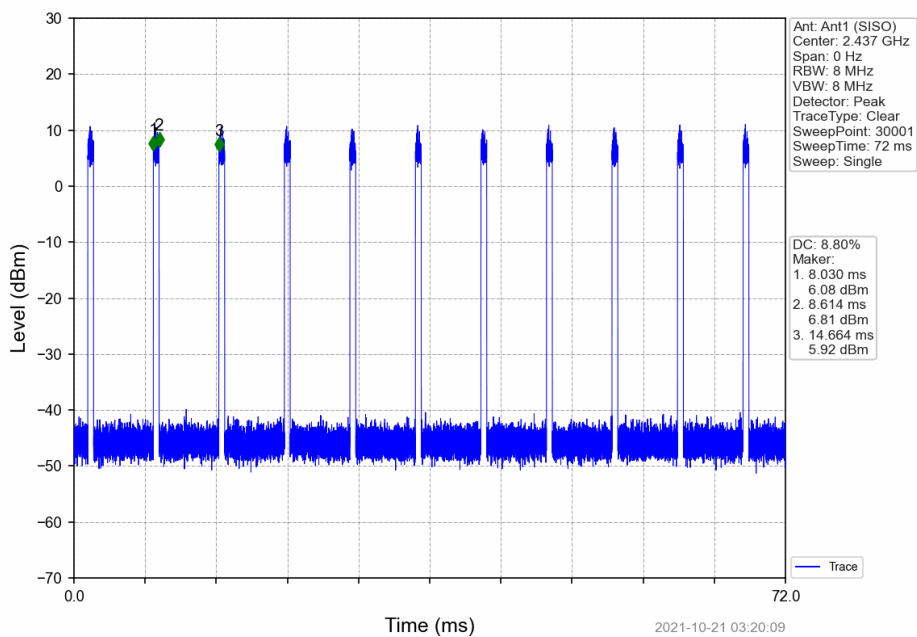
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



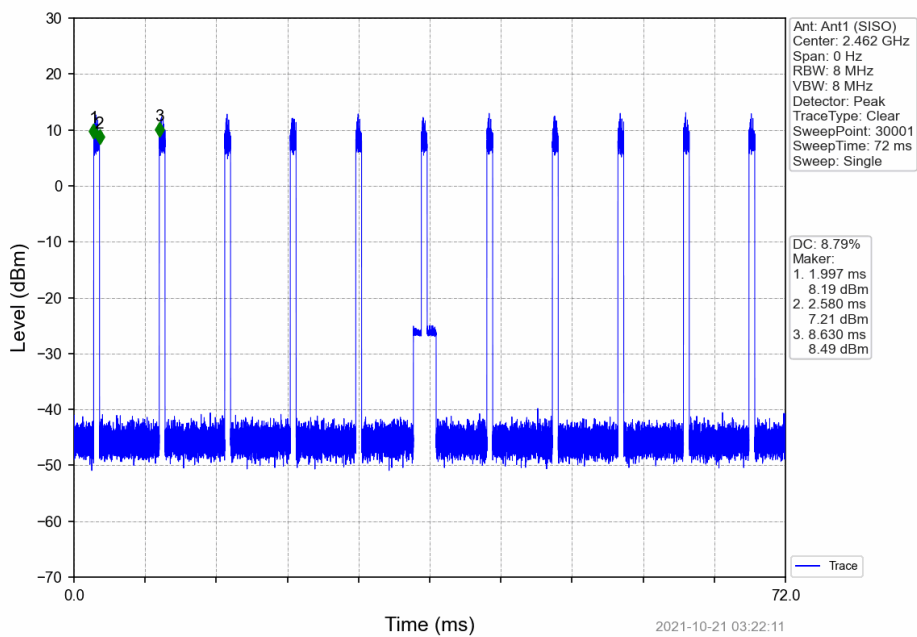
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



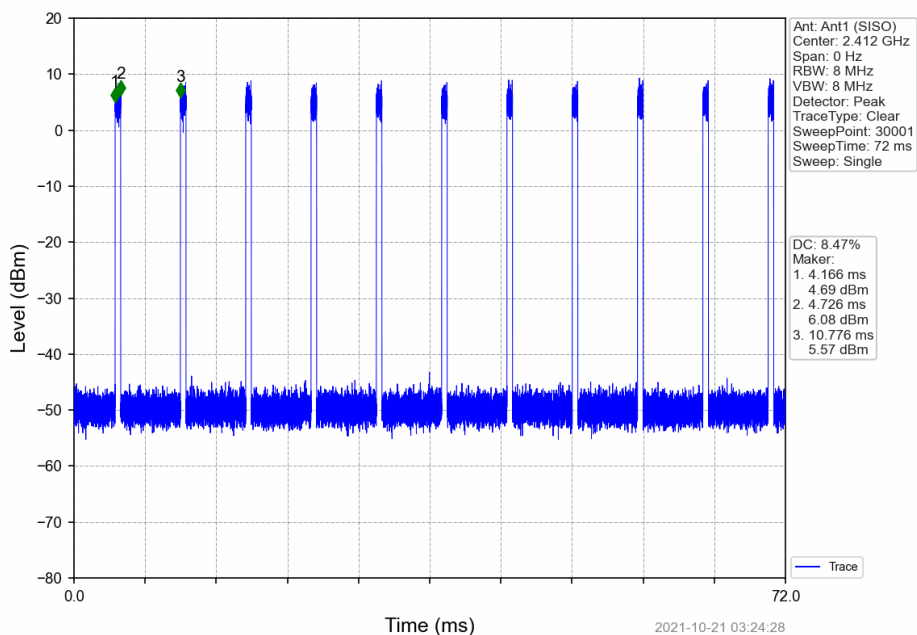
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



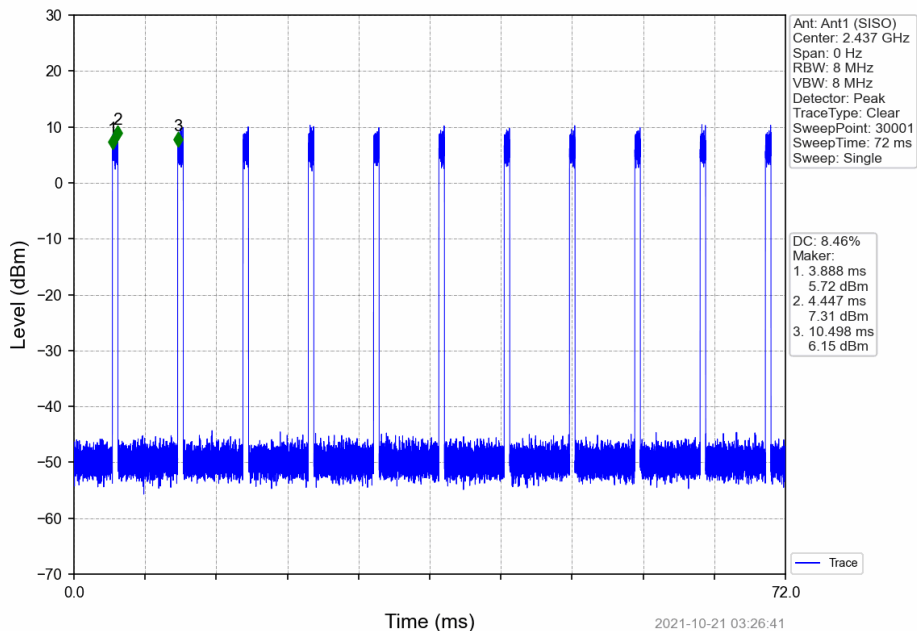
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



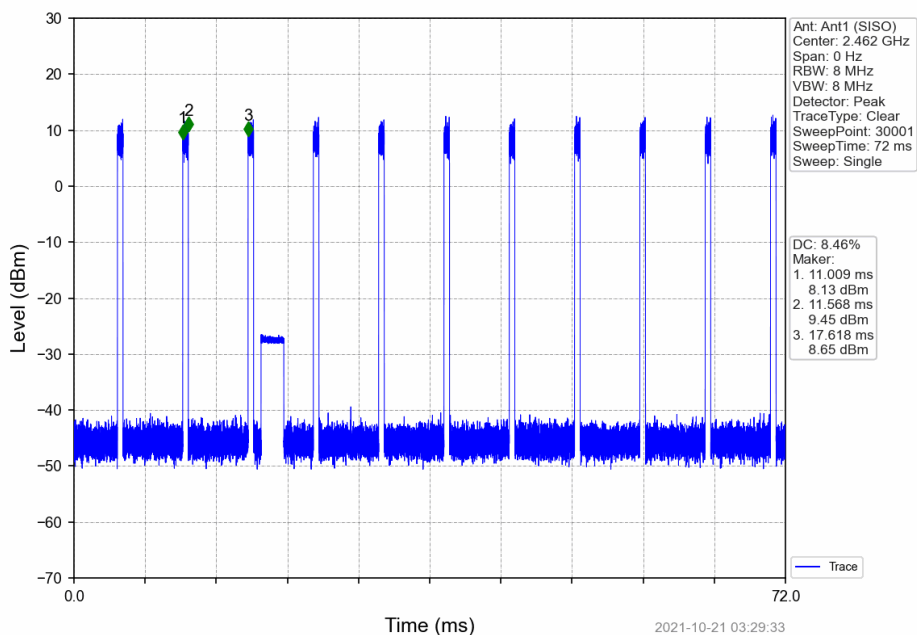
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



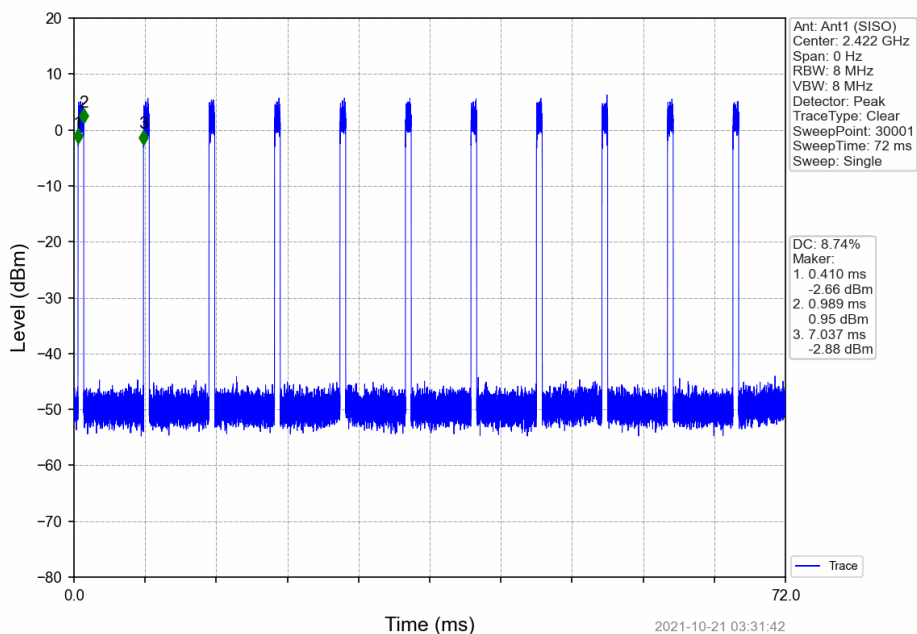
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



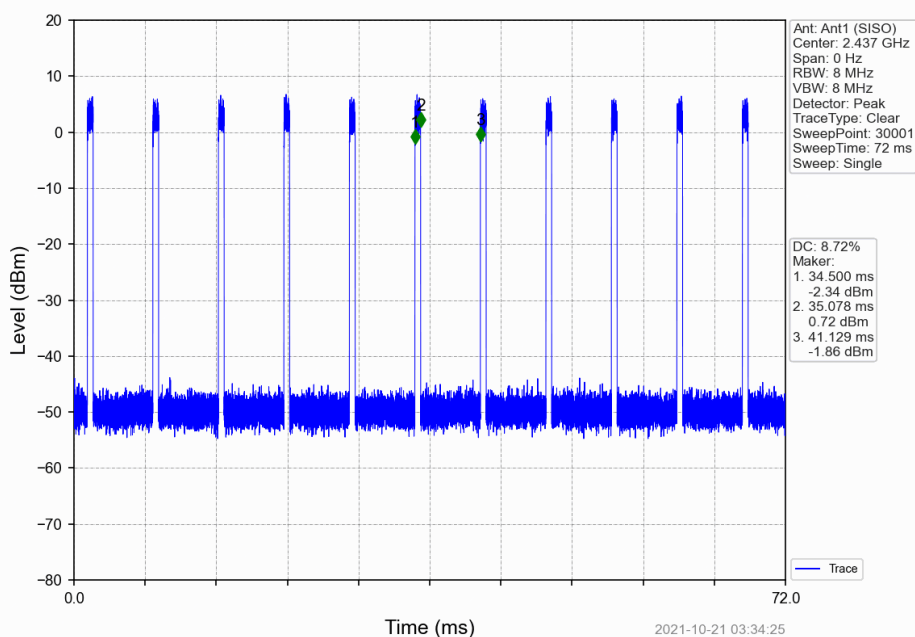
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



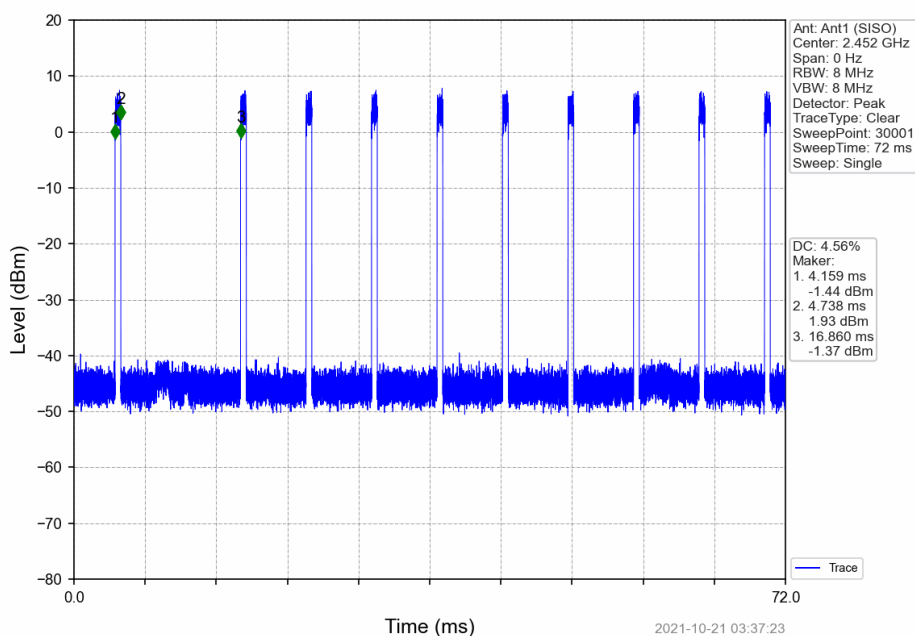
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



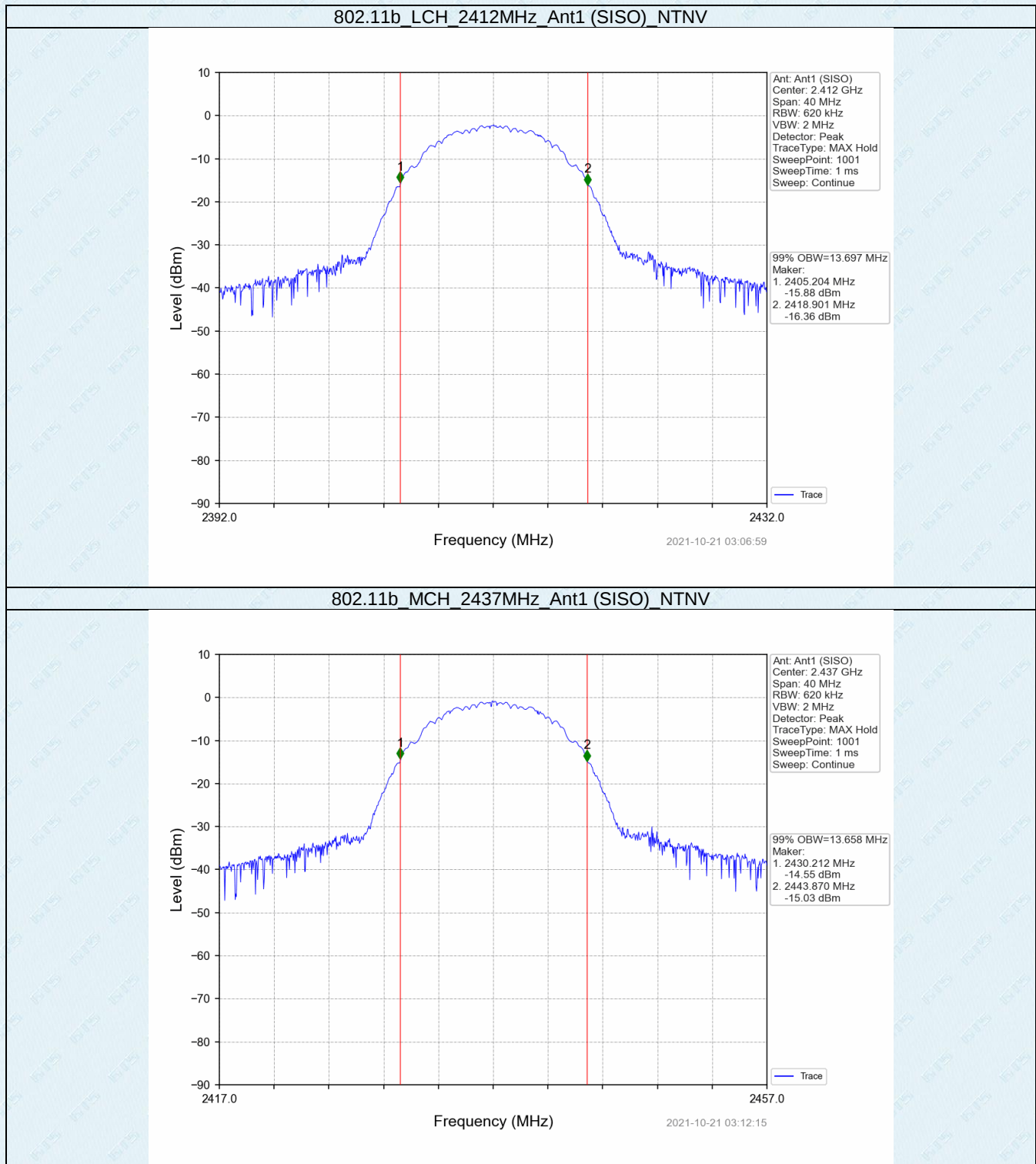
2. Bandwidth

2.1 OBW

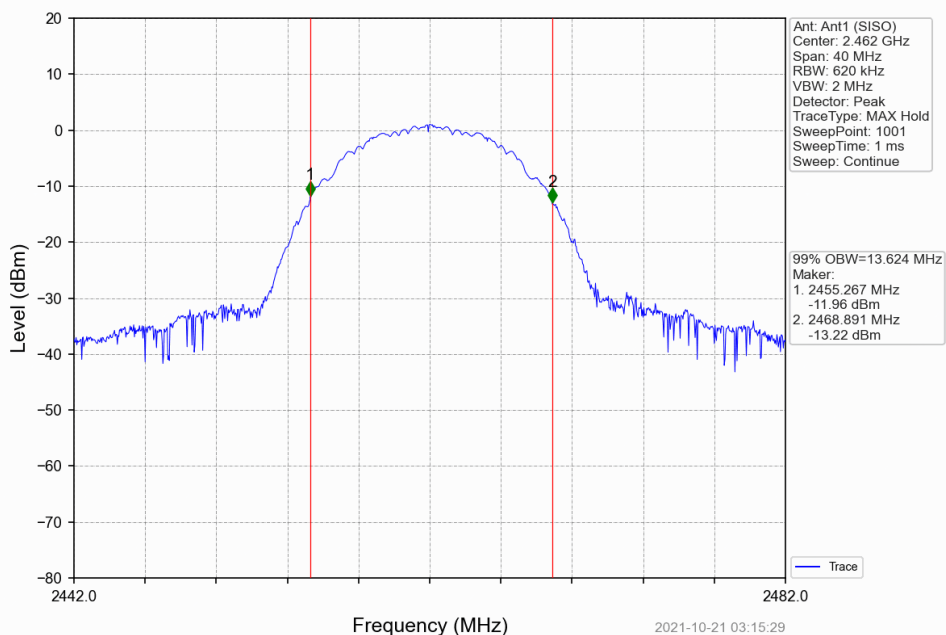
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.697	Pass
		2437	1	13.658	Pass
		2462	1	13.624	Pass
802.11g	SISO	2412	1	18.840	Pass
		2437	1	18.823	Pass
		2462	1	18.721	Pass
802.11n (HT20)	SISO	2412	1	19.436	Pass
		2437	1	19.410	Pass
		2462	1	19.384	Pass
802.11n (HT40)	SISO	2422	1	39.304	Pass
		2437	1	39.368	Pass
		2452	1	39.289	Pass

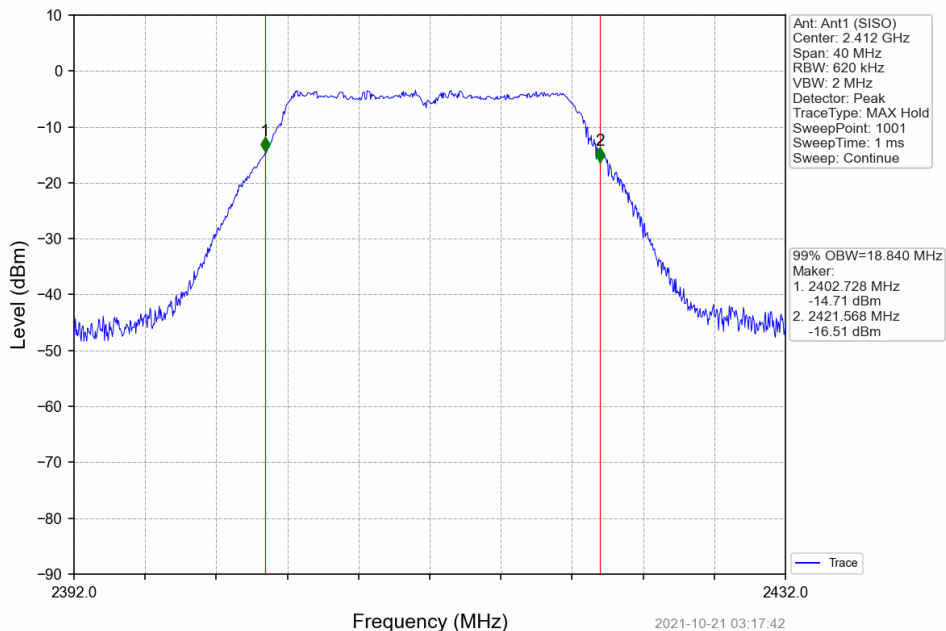
2.1.2 Test Graph



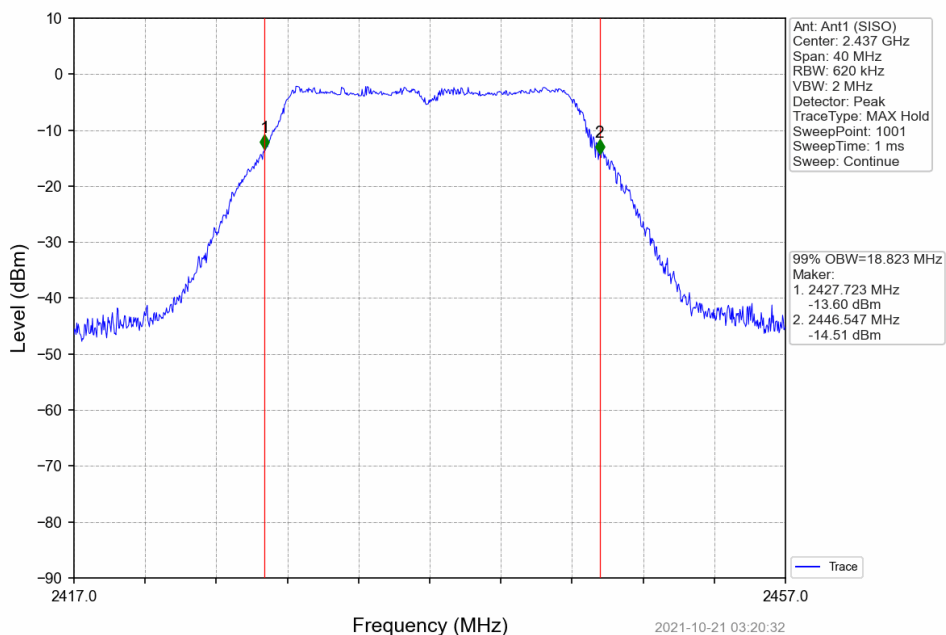
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



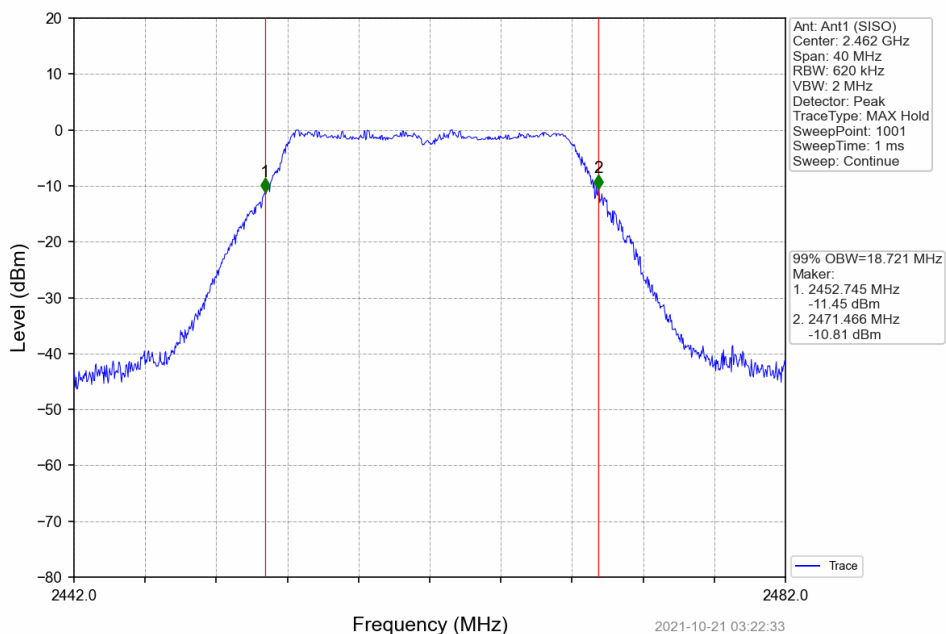
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



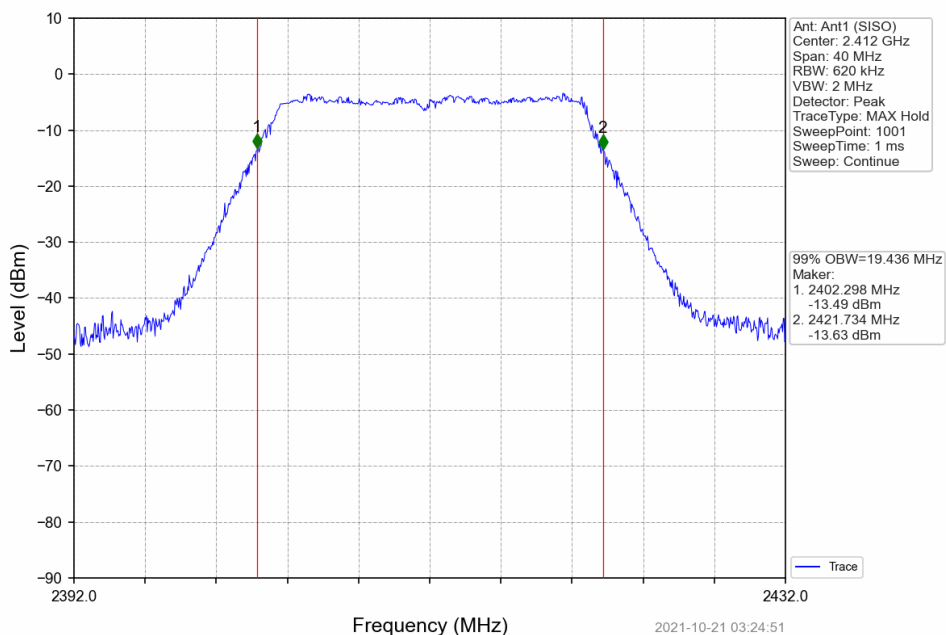
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



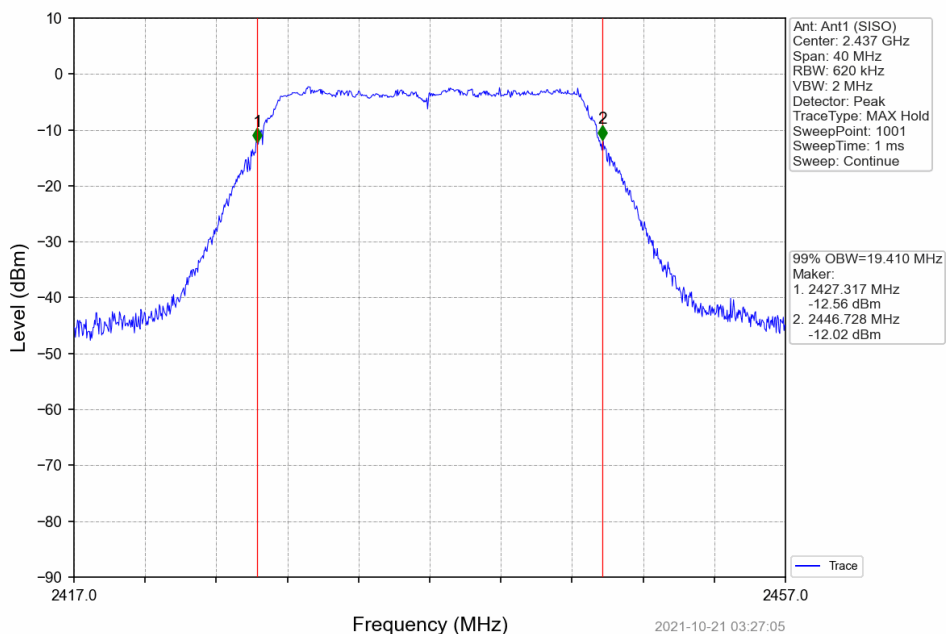
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



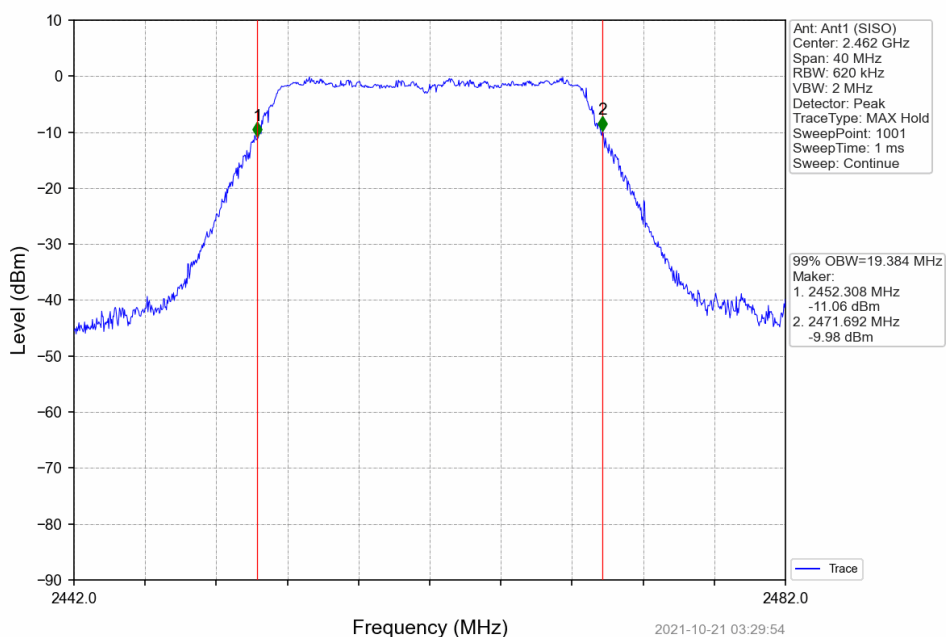
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



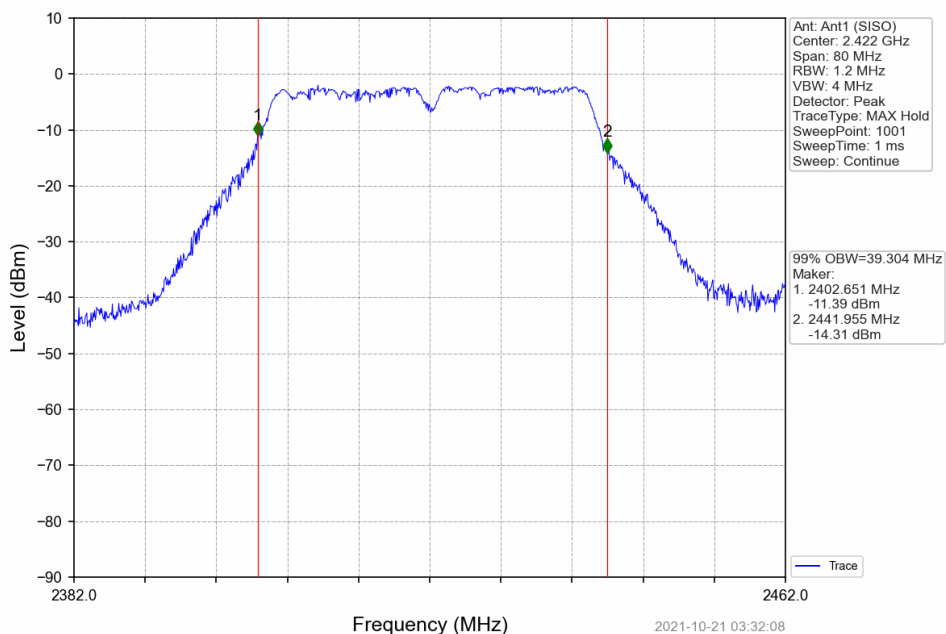
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



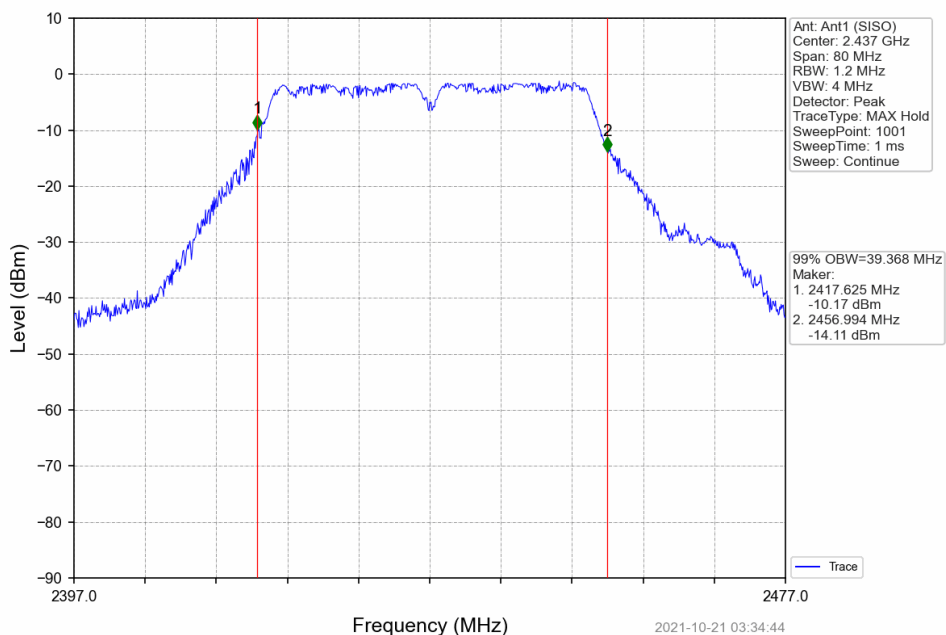
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



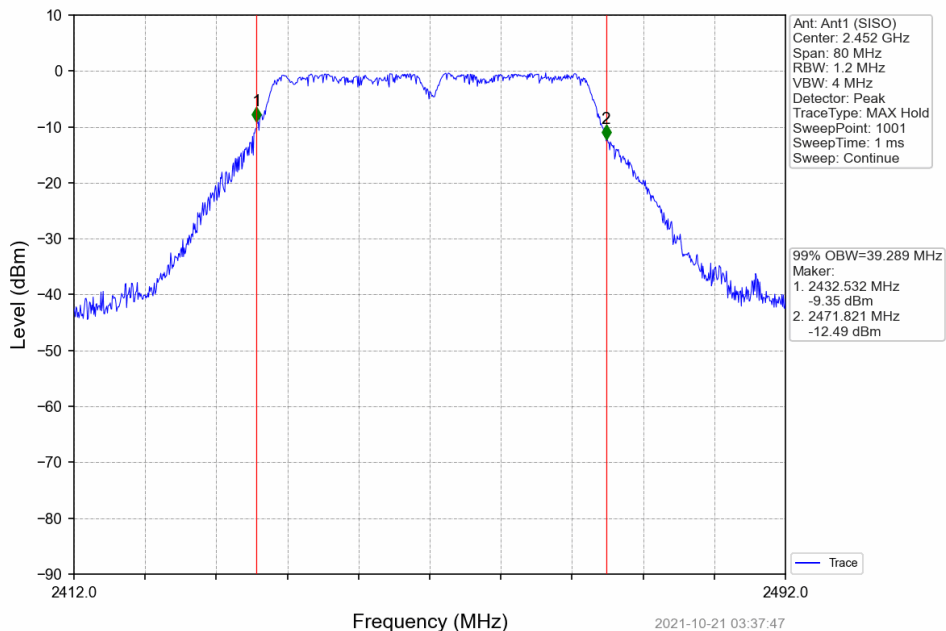
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

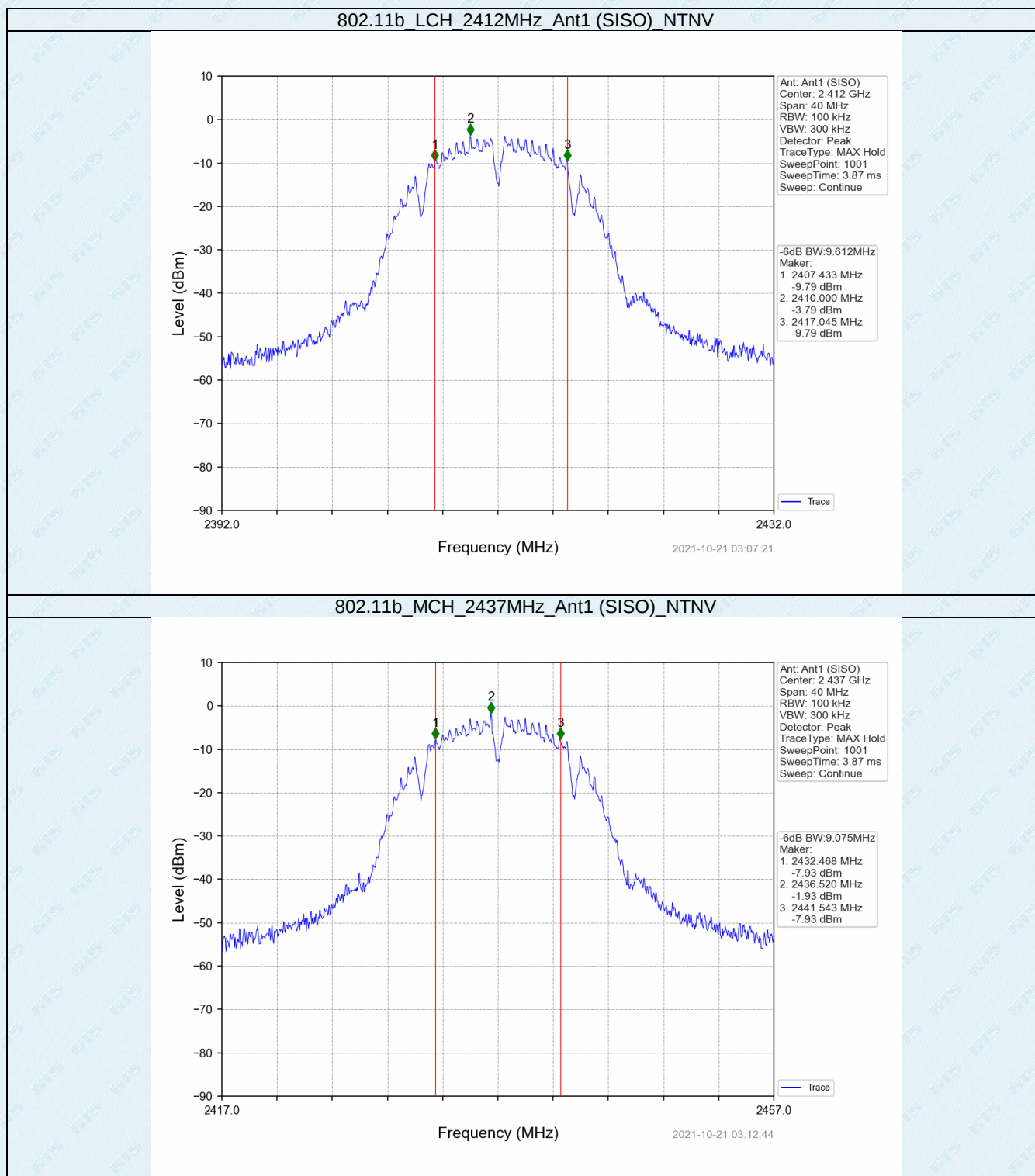


2.2 6dB BW

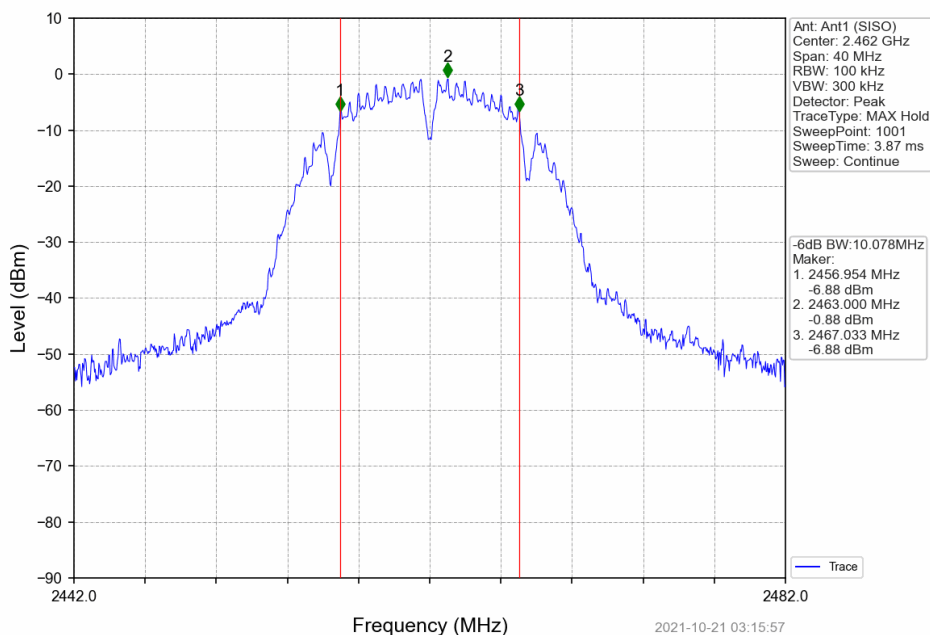
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.612	≥ 0.5	Pass
		2437	1	9.075	≥ 0.5	Pass
		2462	1	10.078	≥ 0.5	Pass
802.11g	SISO	2412	1	16.391	≥ 0.5	Pass
		2437	1	16.411	≥ 0.5	Pass
		2462	1	16.407	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.621	≥ 0.5	Pass
		2437	1	17.622	≥ 0.5	Pass
		2462	1	17.641	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.375	≥ 0.5	Pass
		2437	1	36.356	≥ 0.5	Pass
		2452	1	36.385	≥ 0.5	Pass

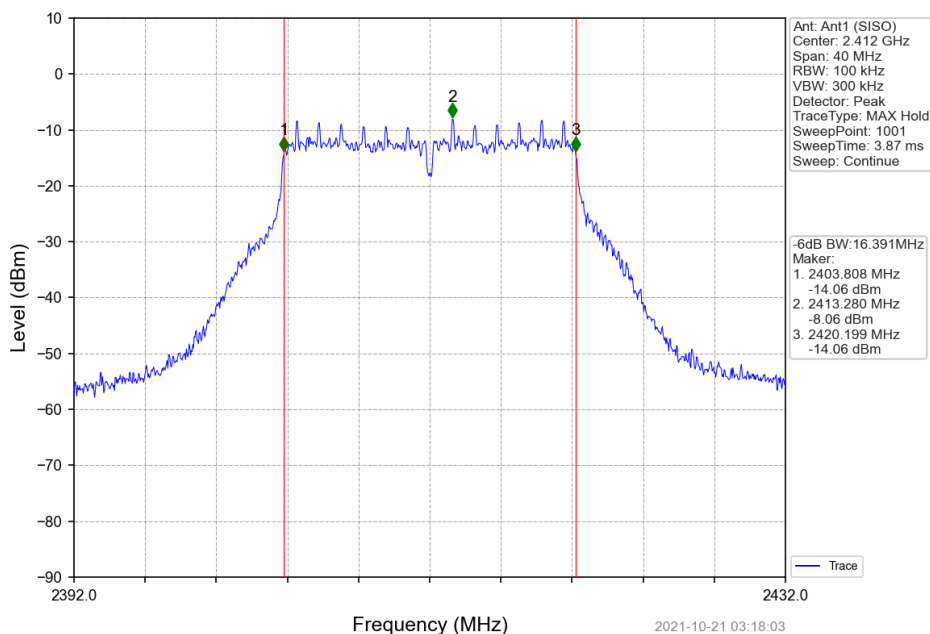
2.2.2 Test Graph



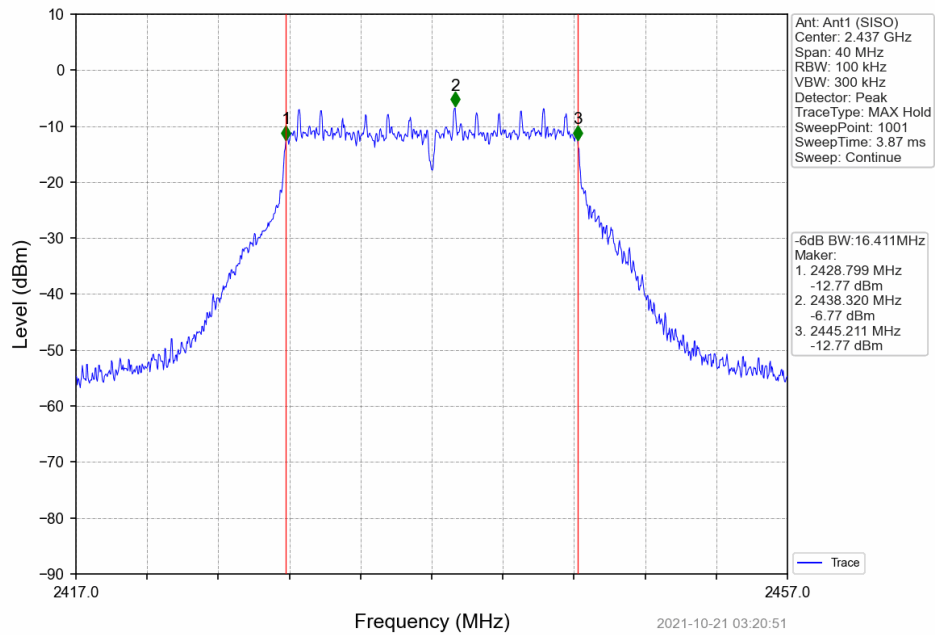
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



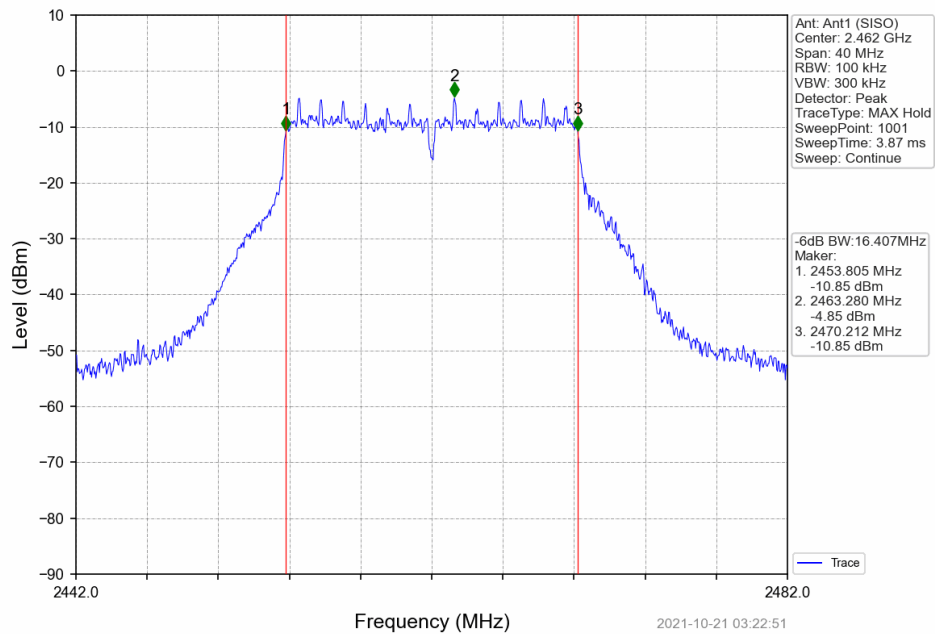
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



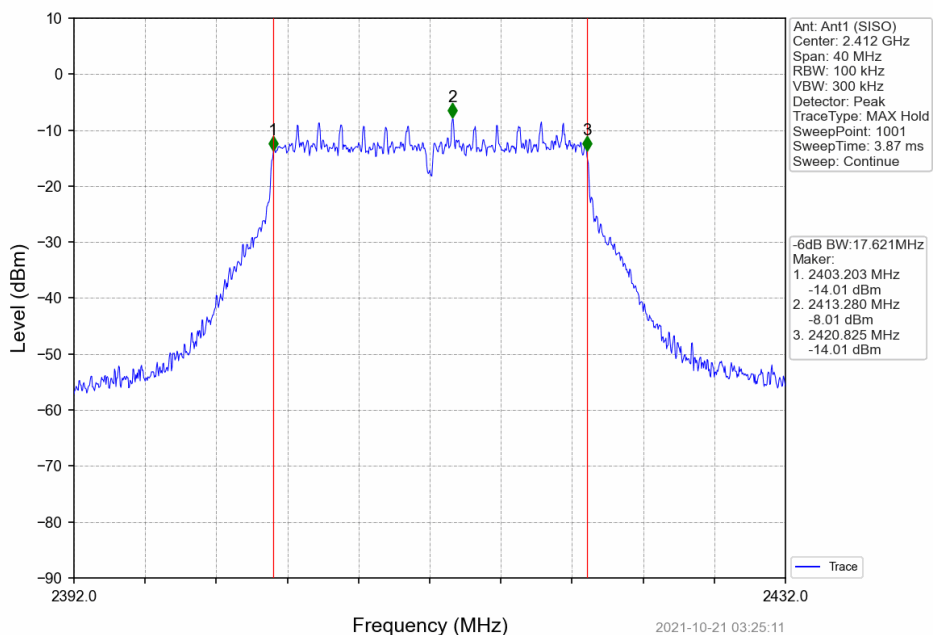
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



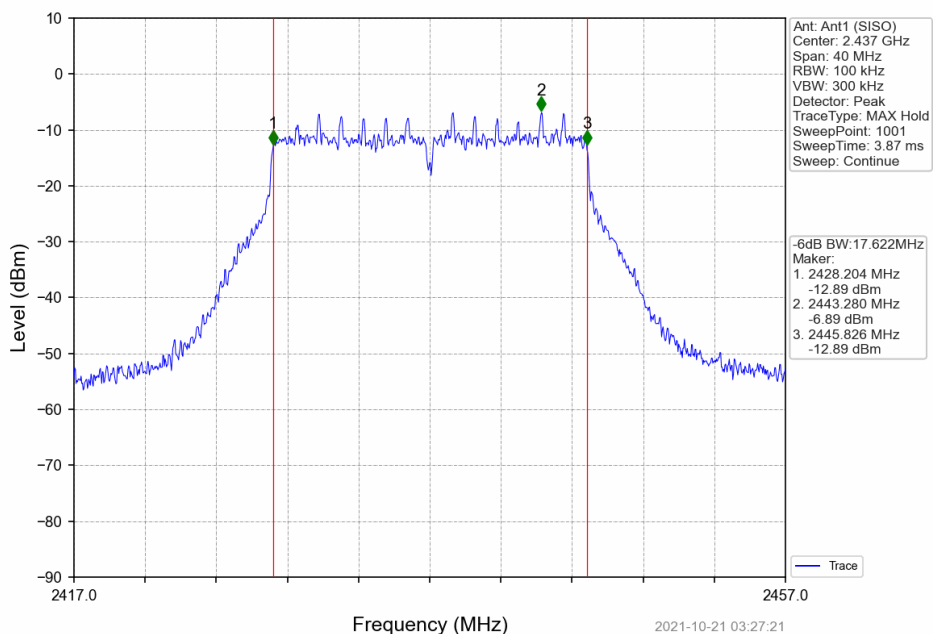
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



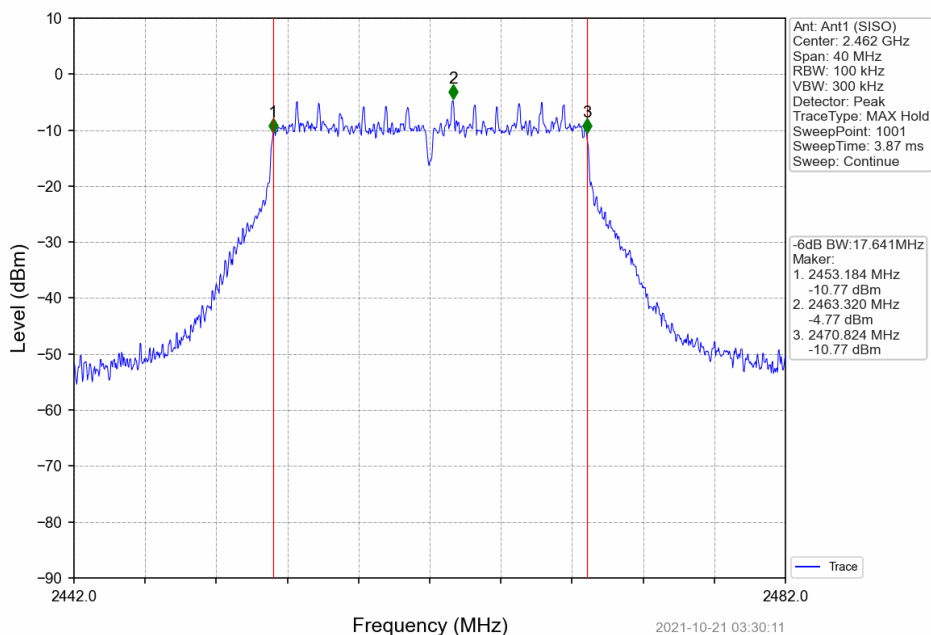
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



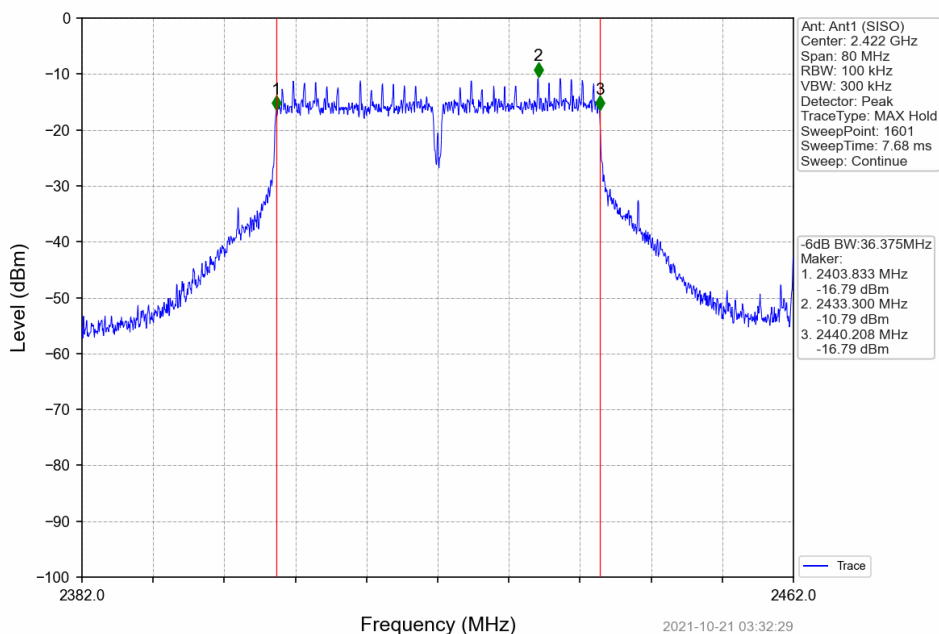
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



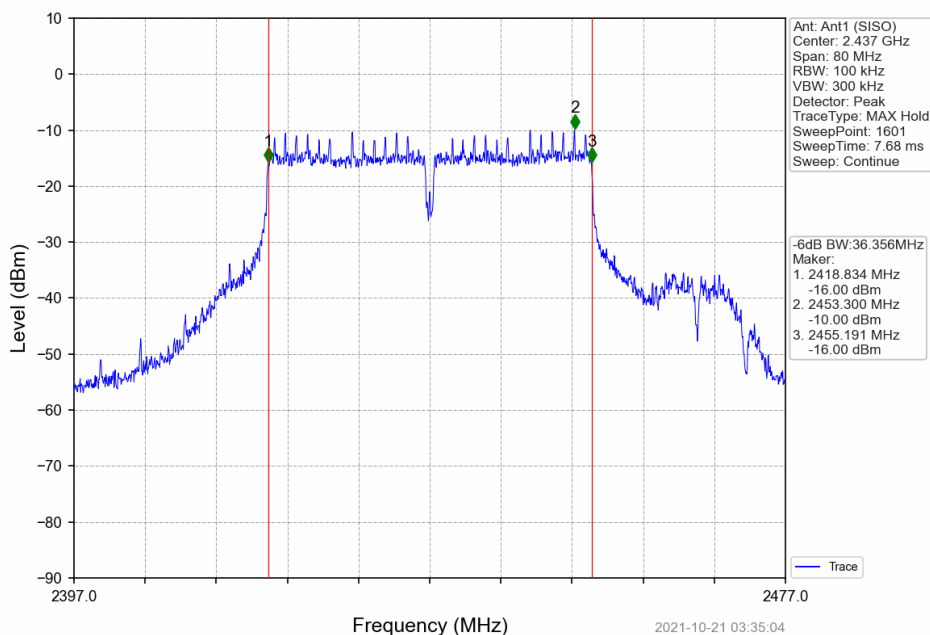
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



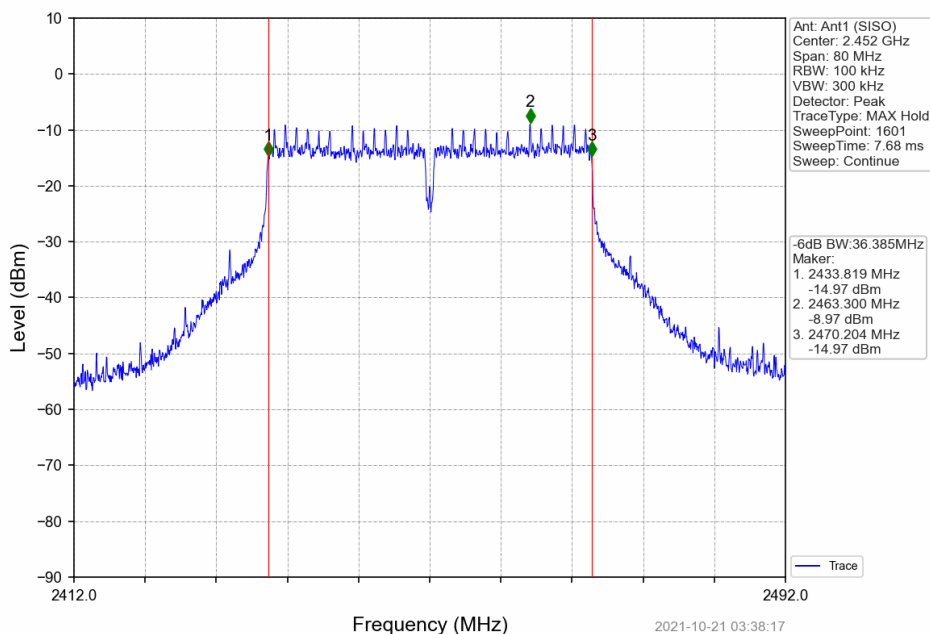
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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	8.25	<=30	Pass
		2437	9.25	<=30	Pass
		2462	11.23	<=30	Pass
802.11g	SISO	2412	10.20	<=30	Pass
		2437	11.52	<=30	Pass
		2462	13.71	<=30	Pass
802.11n (HT20)	SISO	2412	10.37	<=30	Pass
		2437	11.62	<=30	Pass
		2462	13.77	<=30	Pass
802.11n (HT40)	SISO	2422	10.67	<=30	Pass
		2437	11.29	<=30	Pass
		2452	12.52	<=30	Pass

Note1: Antenna Gain: Ant1: 3.40dBi;

4. Maximum Power Spectral Density

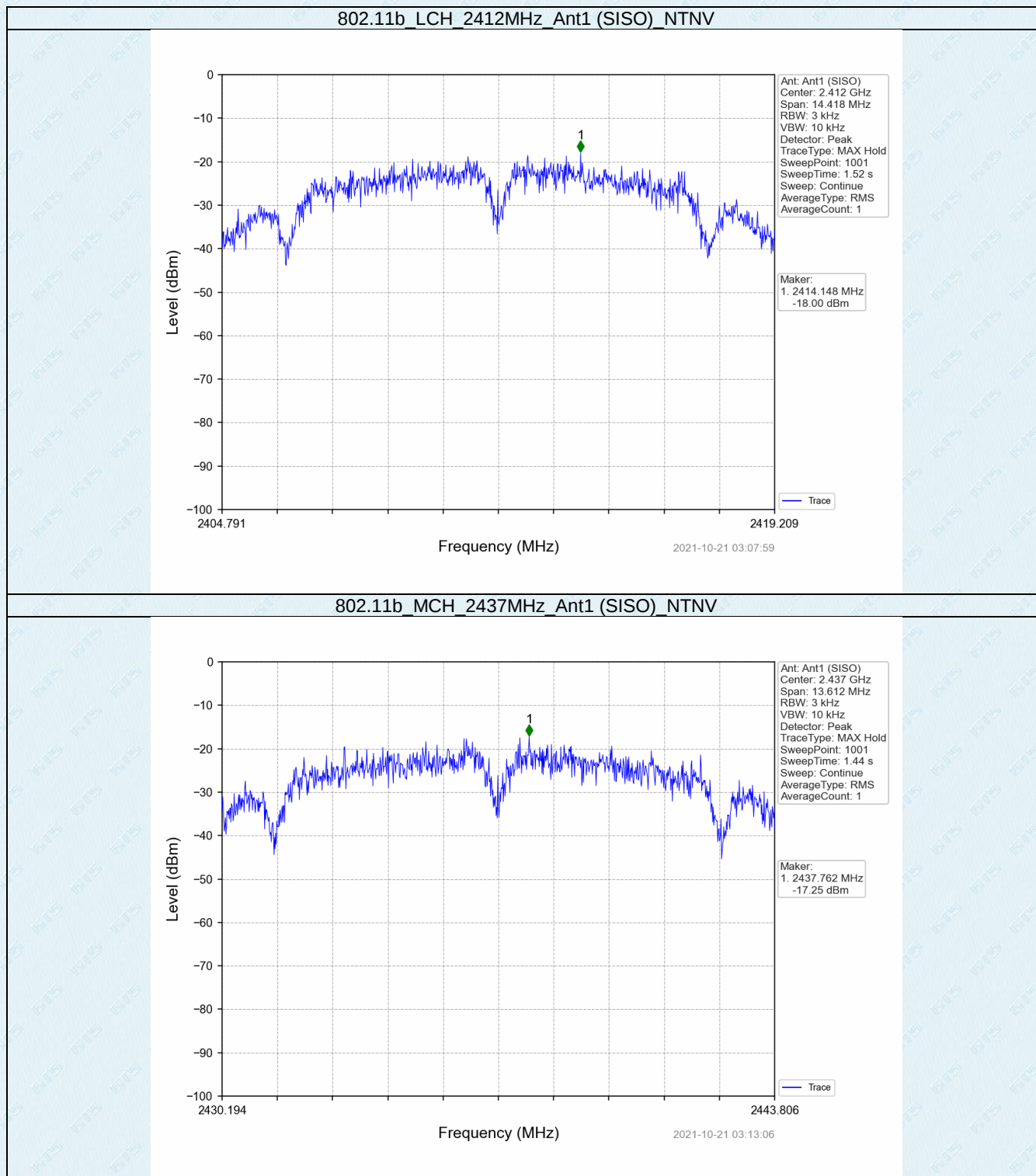
4.1 PSD

4.1.1 Test Result

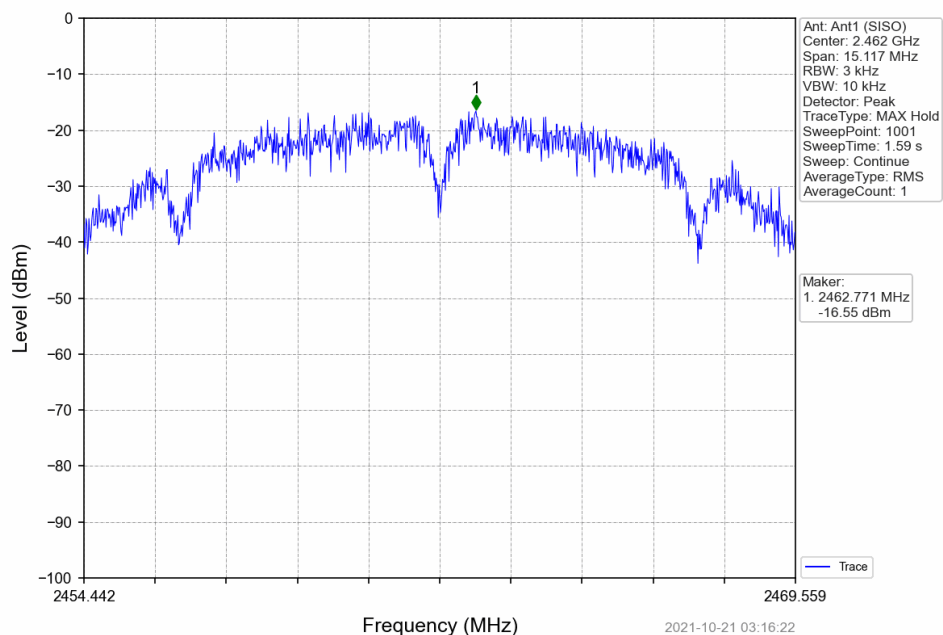
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-18.00	<=8	Pass
		2437	-17.25	<=8	Pass
		2462	-16.55	<=8	Pass
802.11g	SISO	2412	-19.47	<=8	Pass
		2437	-20.86	<=8	Pass
		2462	-19.97	<=8	Pass
802.11n (HT20)	SISO	2412	-22.88	<=8	Pass
		2437	-22.31	<=8	Pass
		2462	-19.99	<=8	Pass
802.11n (HT40)	SISO	2422	-25.85	<=8	Pass
		2437	-24.30	<=8	Pass
		2452	-23.66	<=8	Pass

Note1: Antenna Gain: Ant1: 3.40dBi;

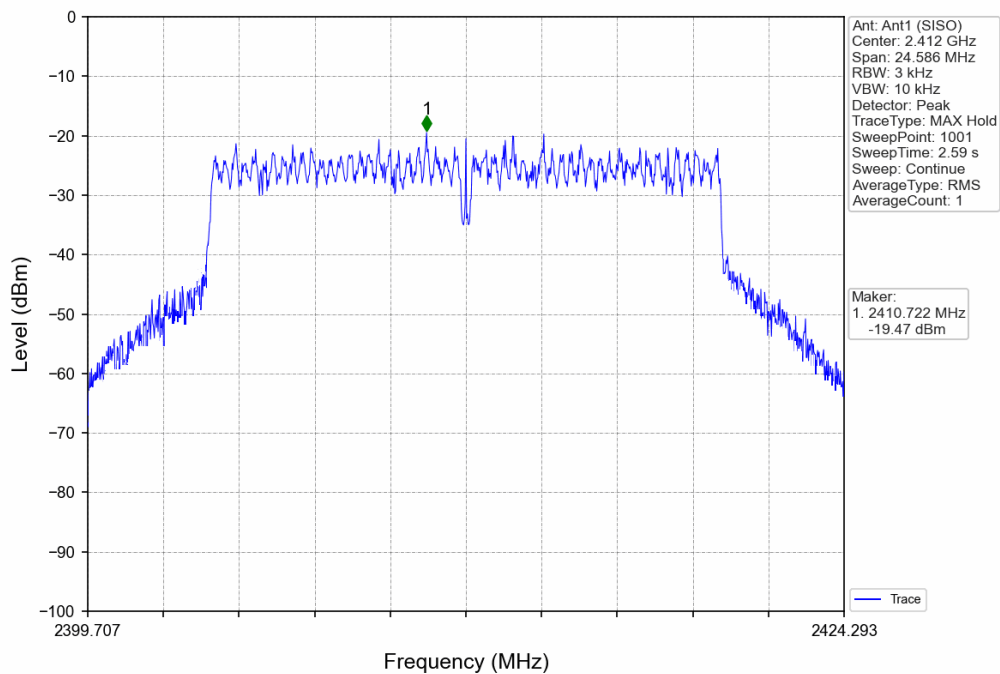
4.1.2 Test Graph



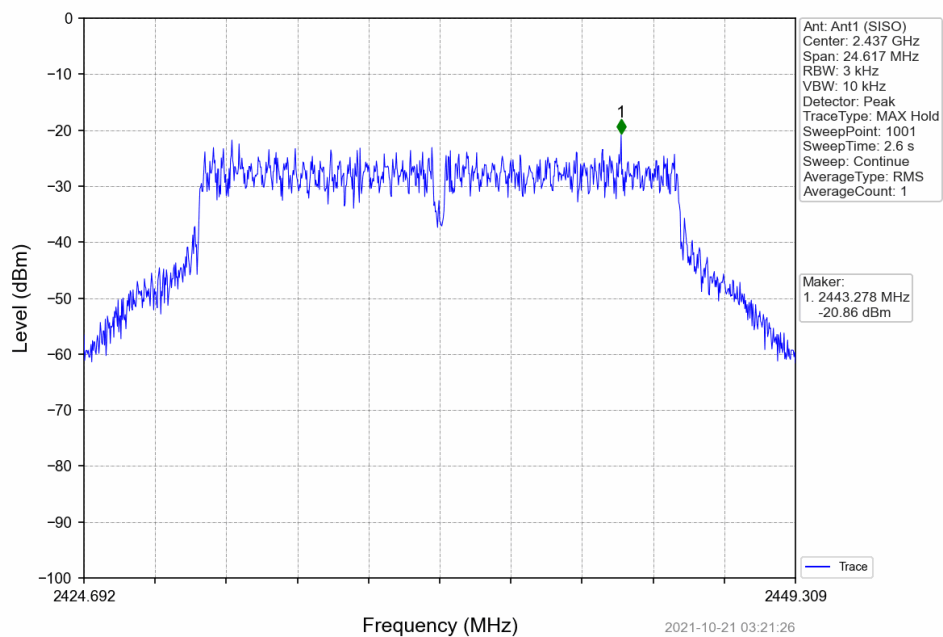
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



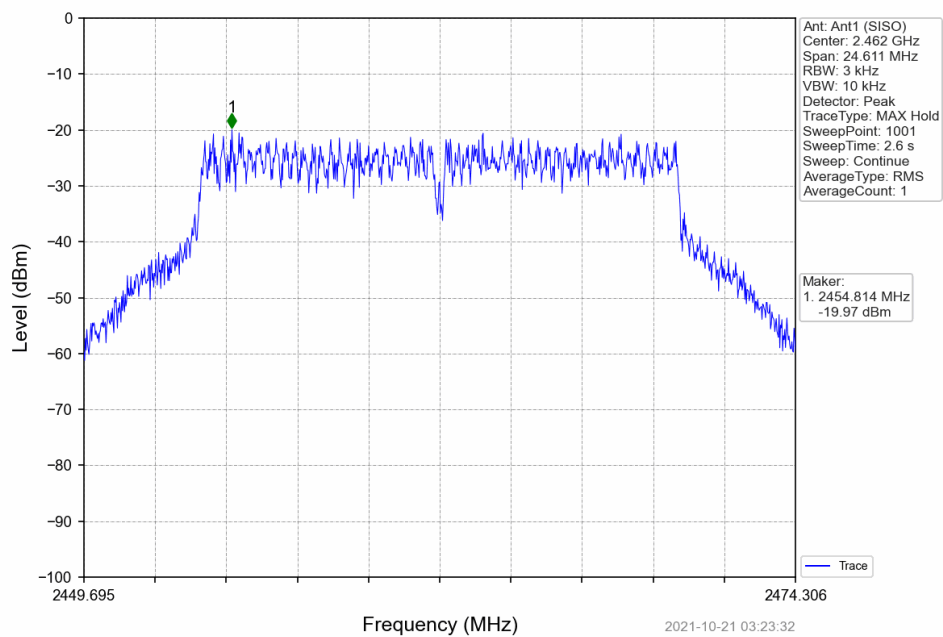
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



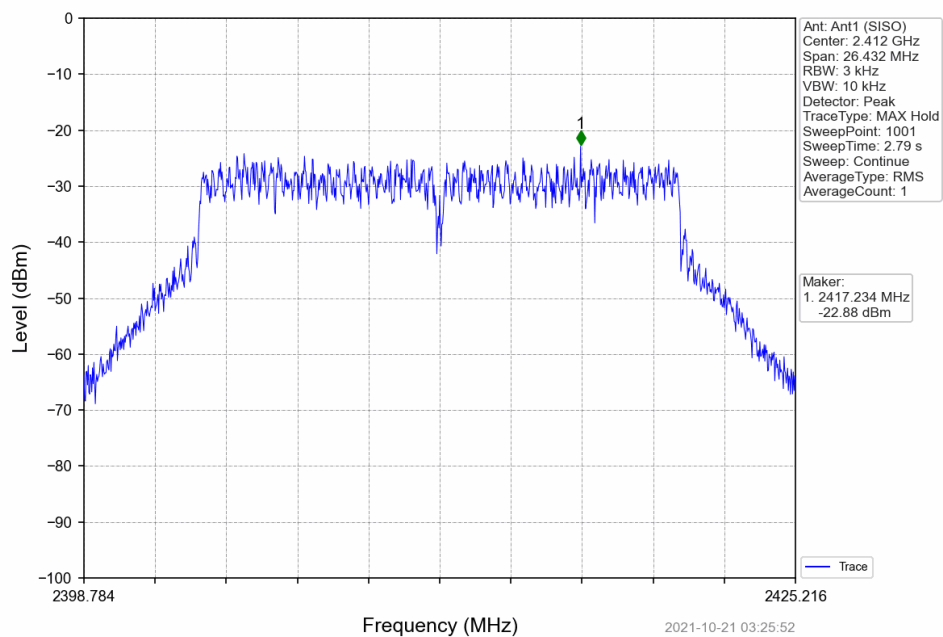
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



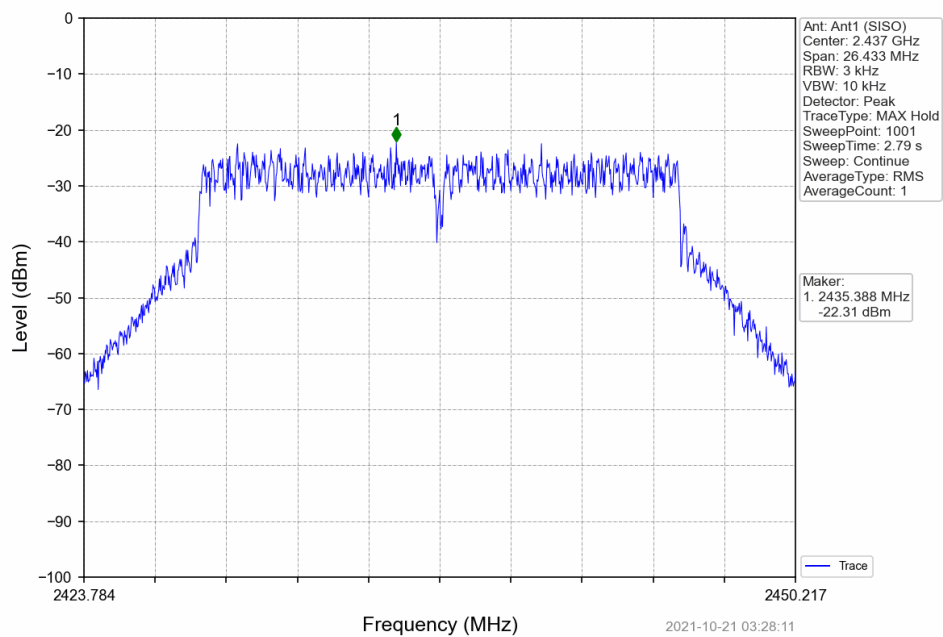
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



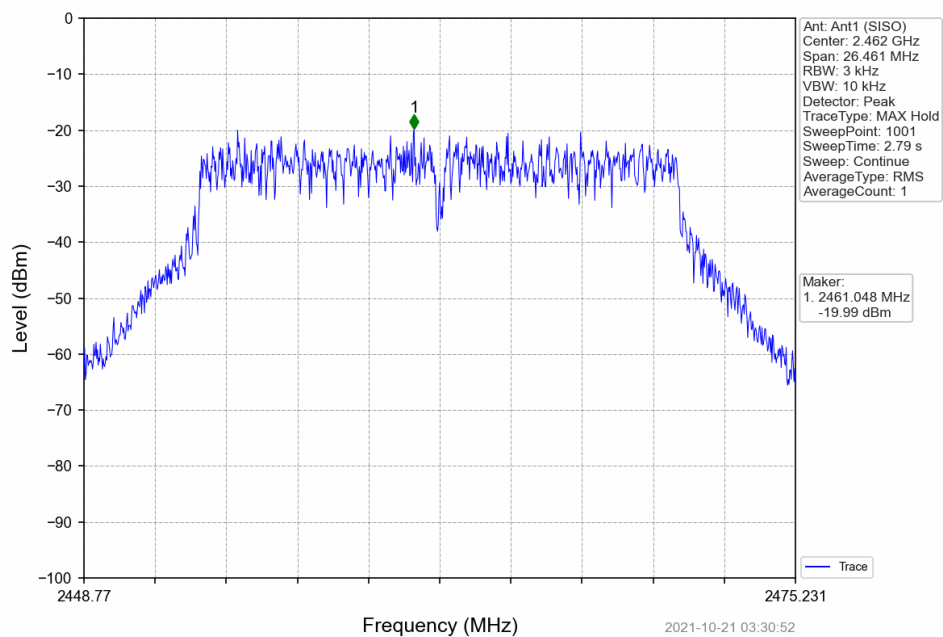
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



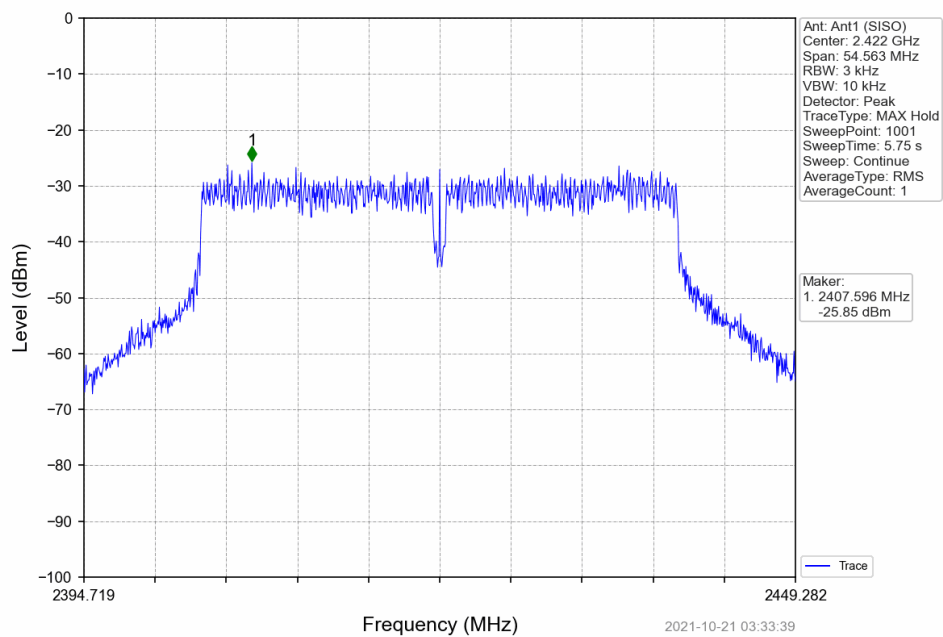
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



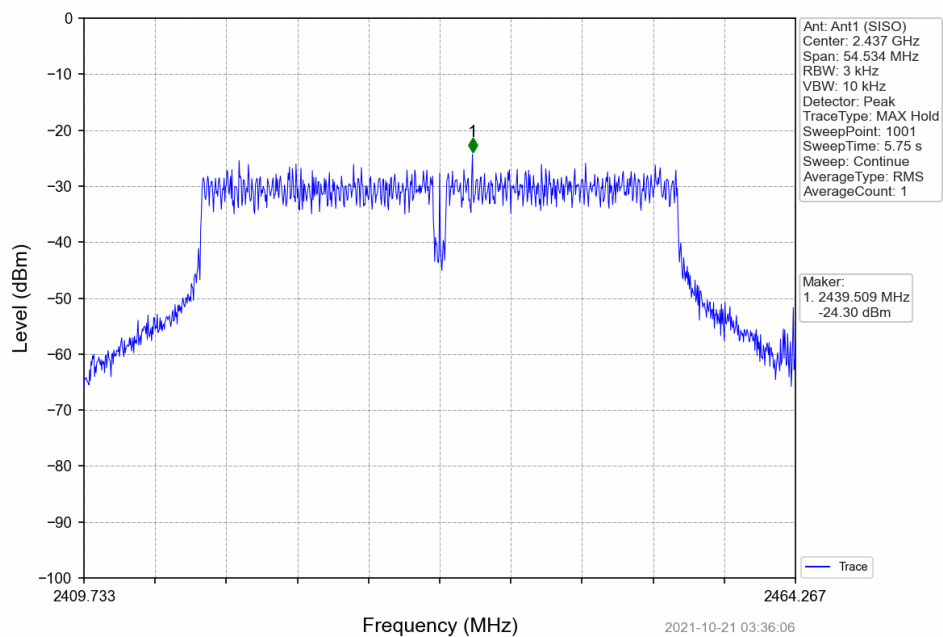
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



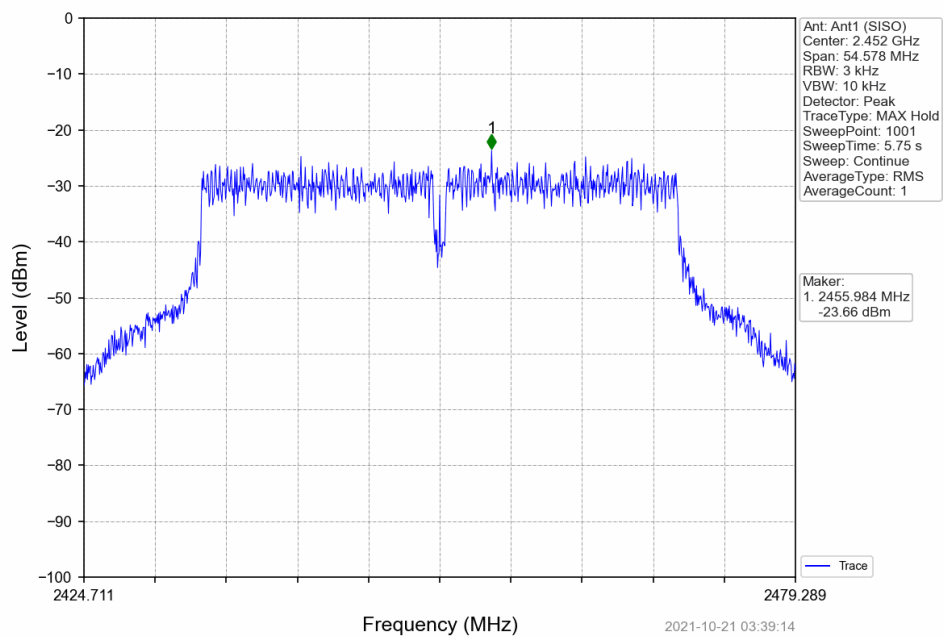
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



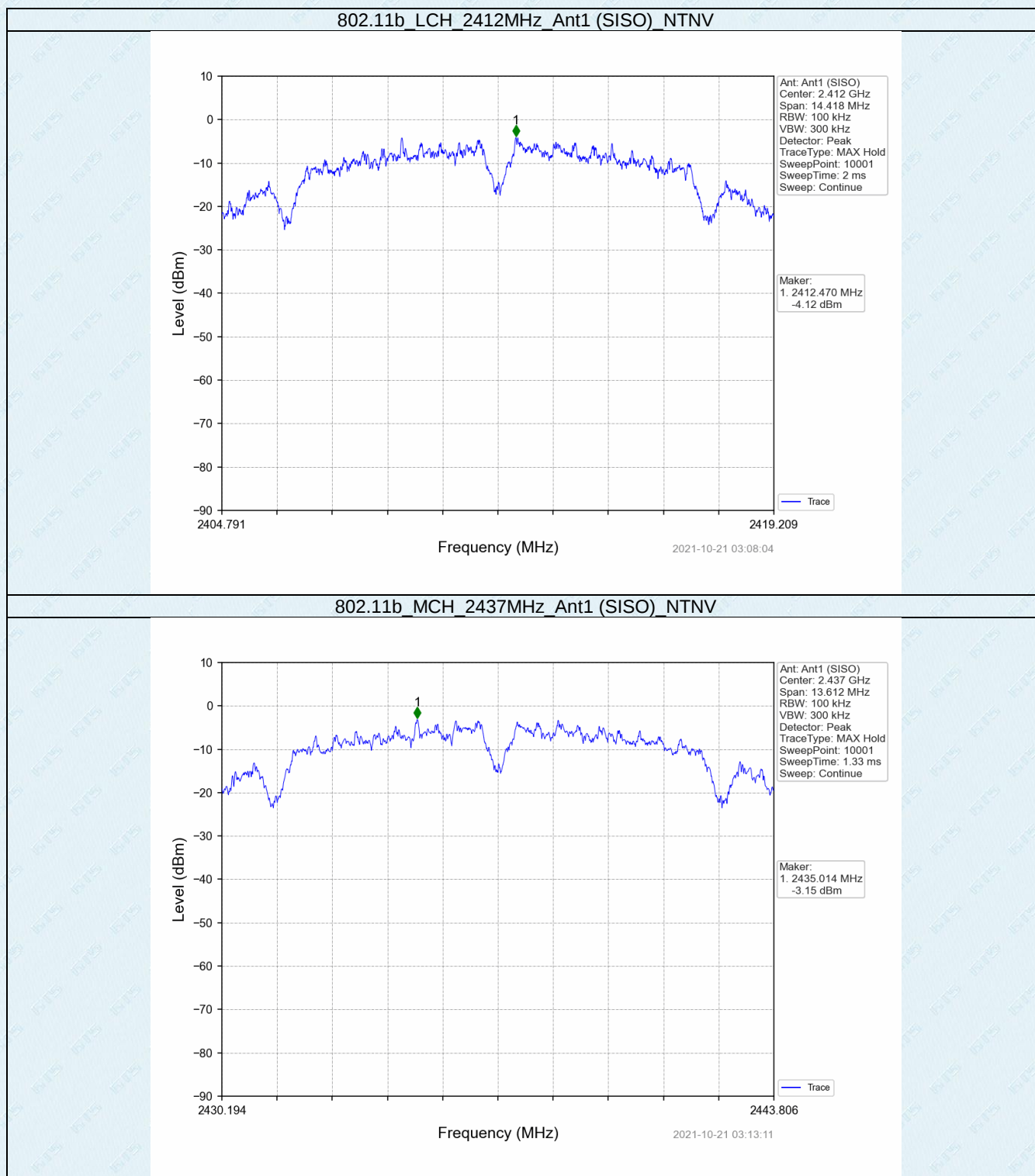
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

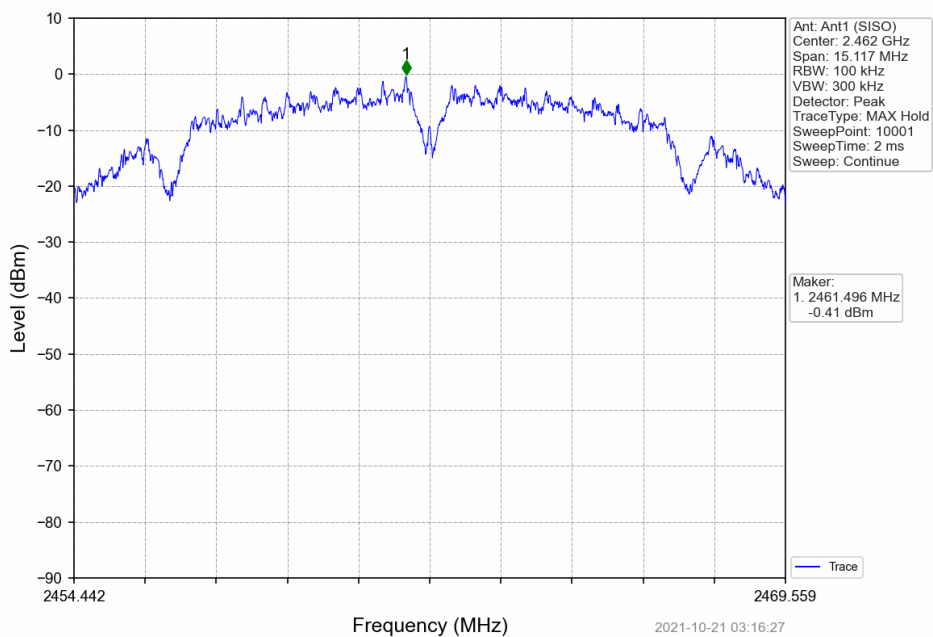
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	-4.12
		2437	1	-3.15
		2462	1	-0.41
802.11g	SISO	2412	1	-8.48
		2437	1	-7.01
		2462	1	-5.04
802.11n (HT20)	SISO	2412	1	-8.19
		2437	1	-7.23
		2462	1	-4.81
802.11n (HT40)	SISO	2422	1	-11.65
		2437	1	-10.34
		2452	1	-9.14
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.				

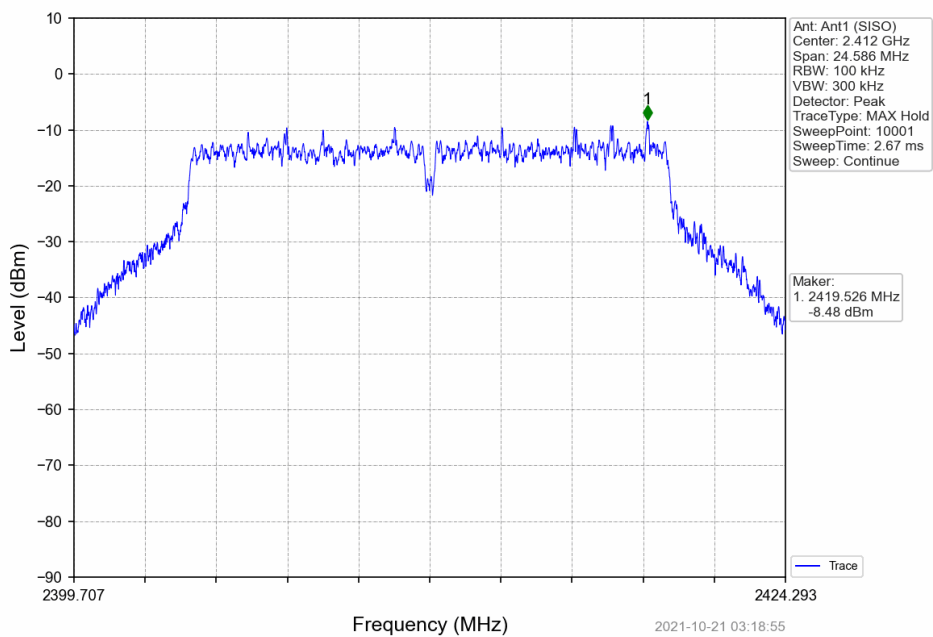
5.1.2 Test Graph



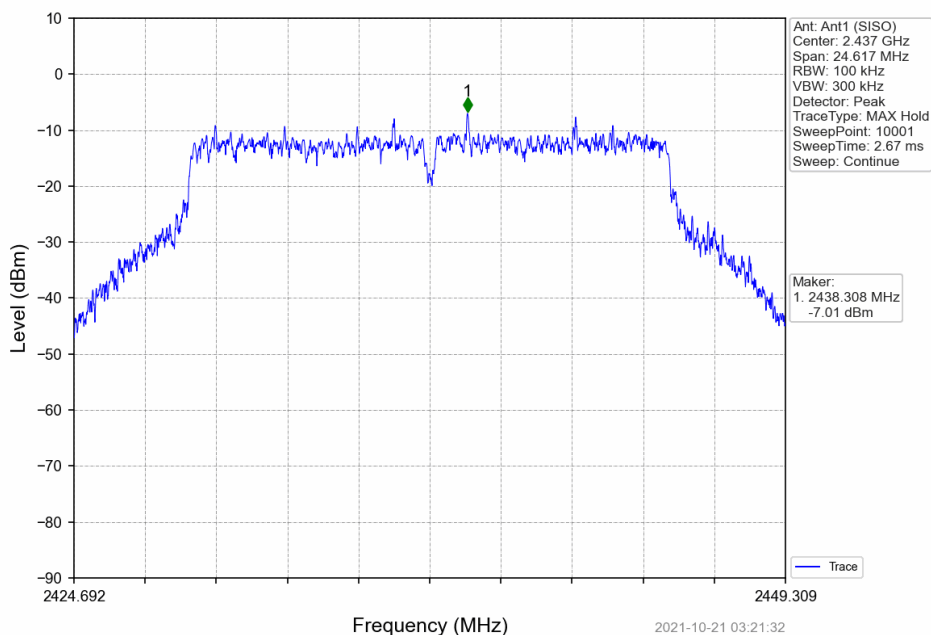
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



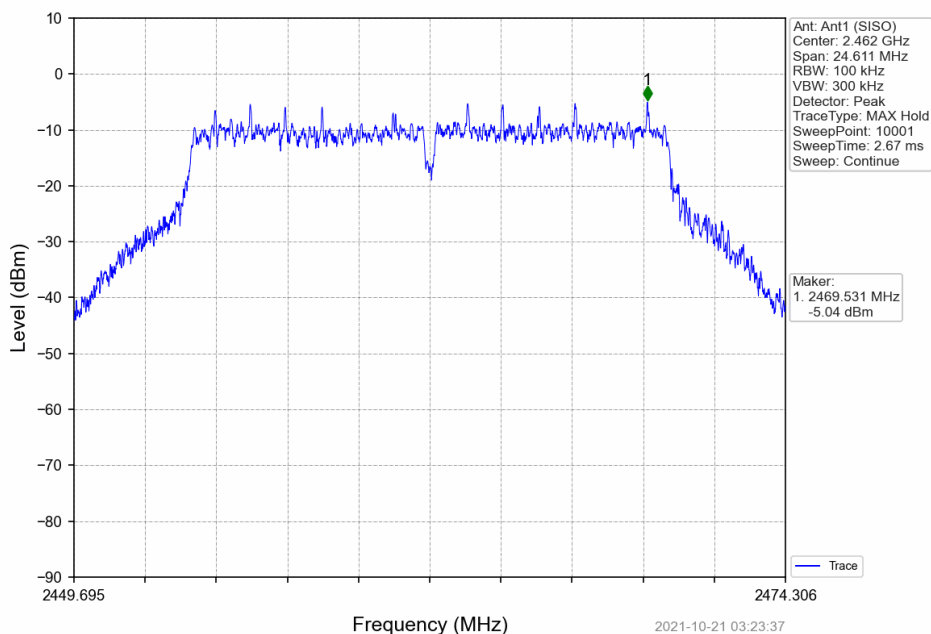
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



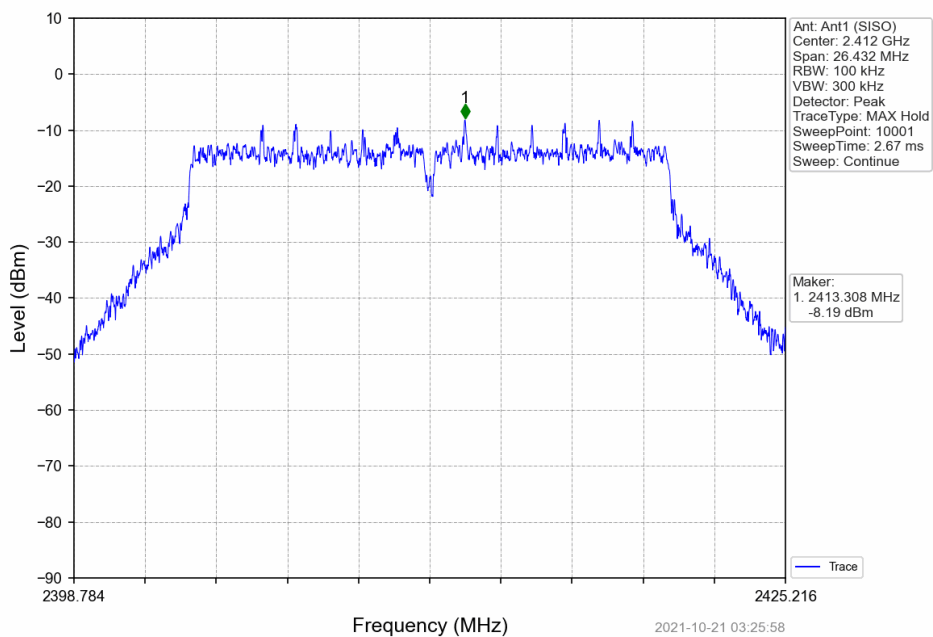
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



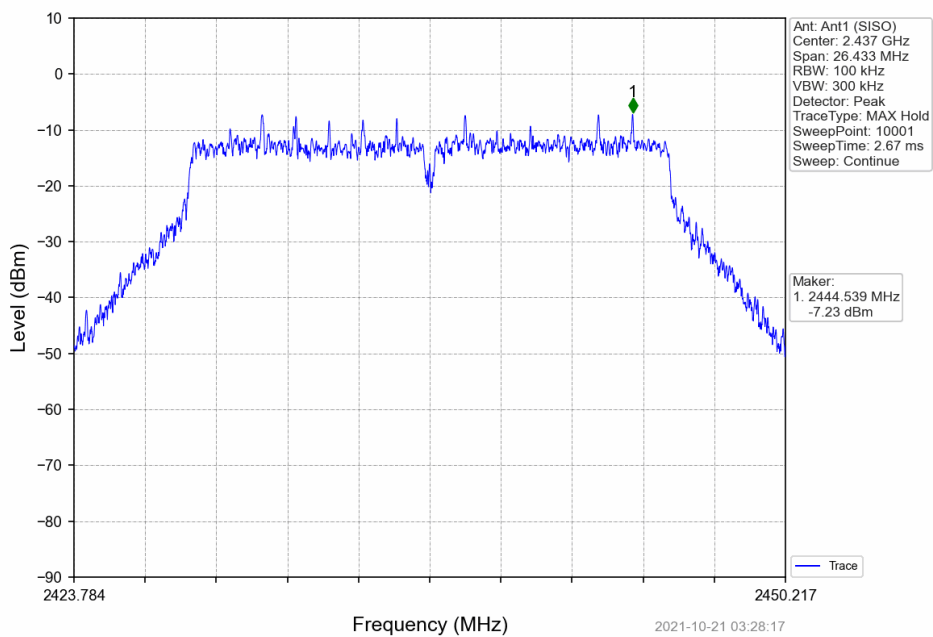
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



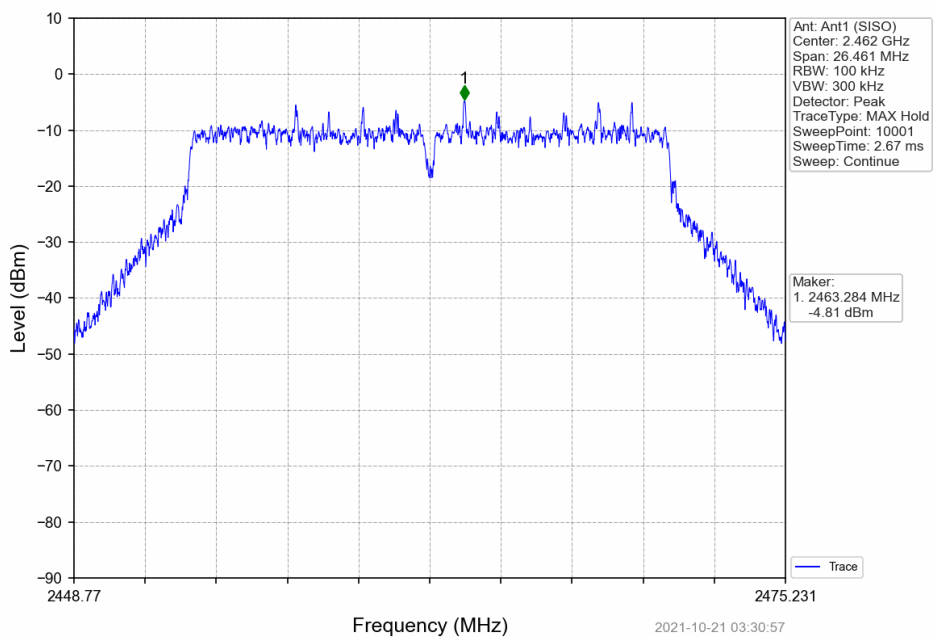
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



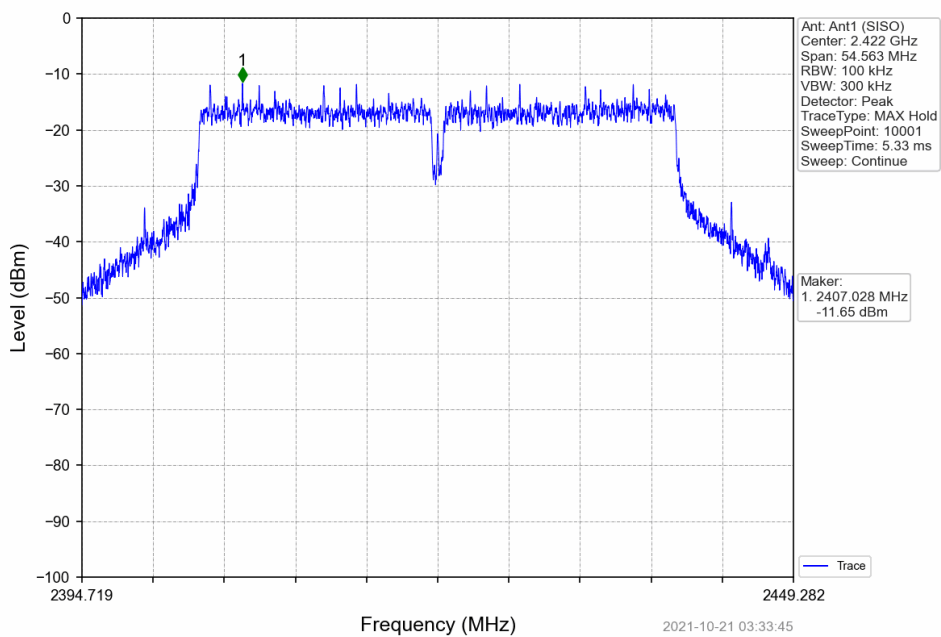
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



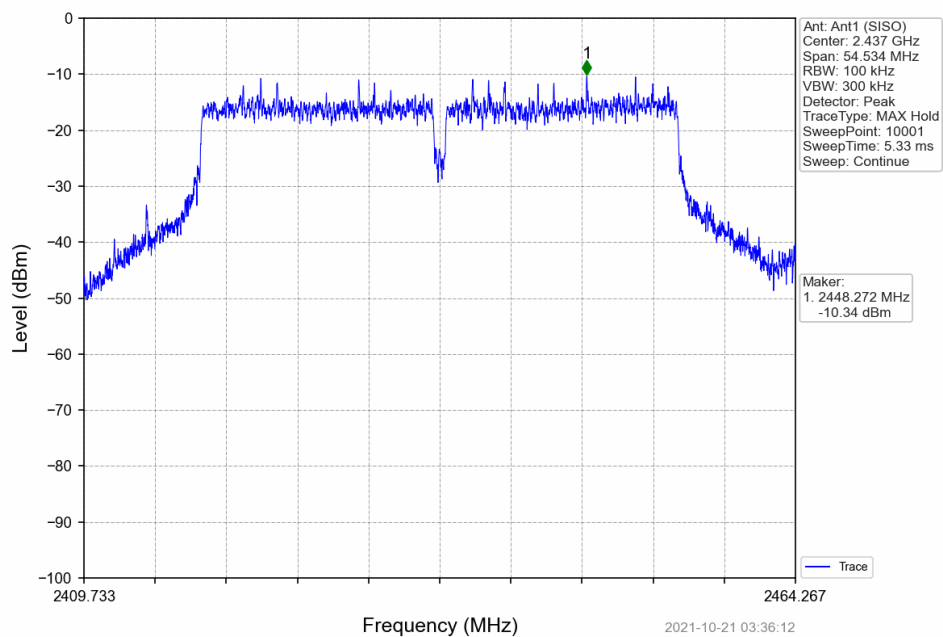
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



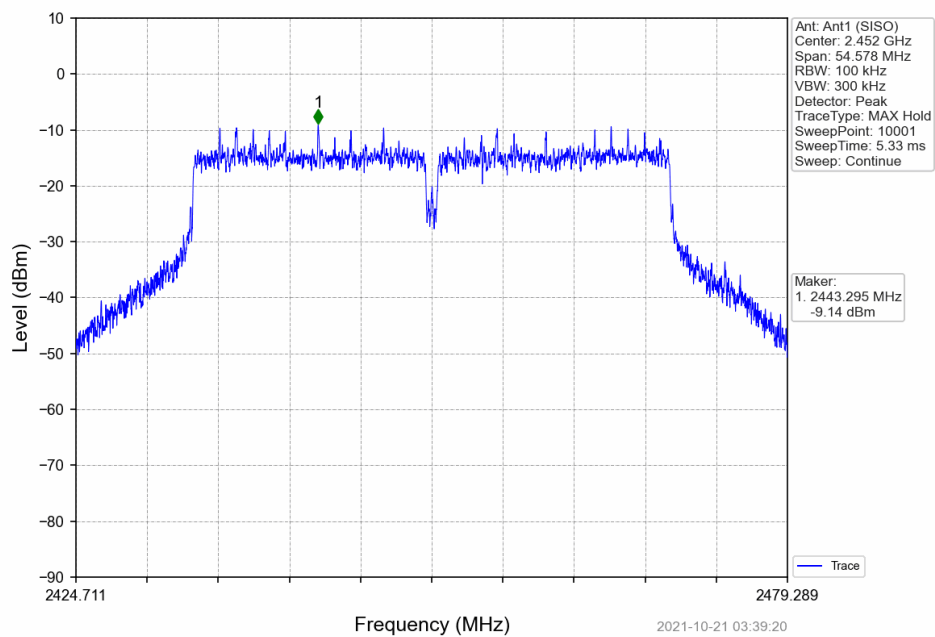
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



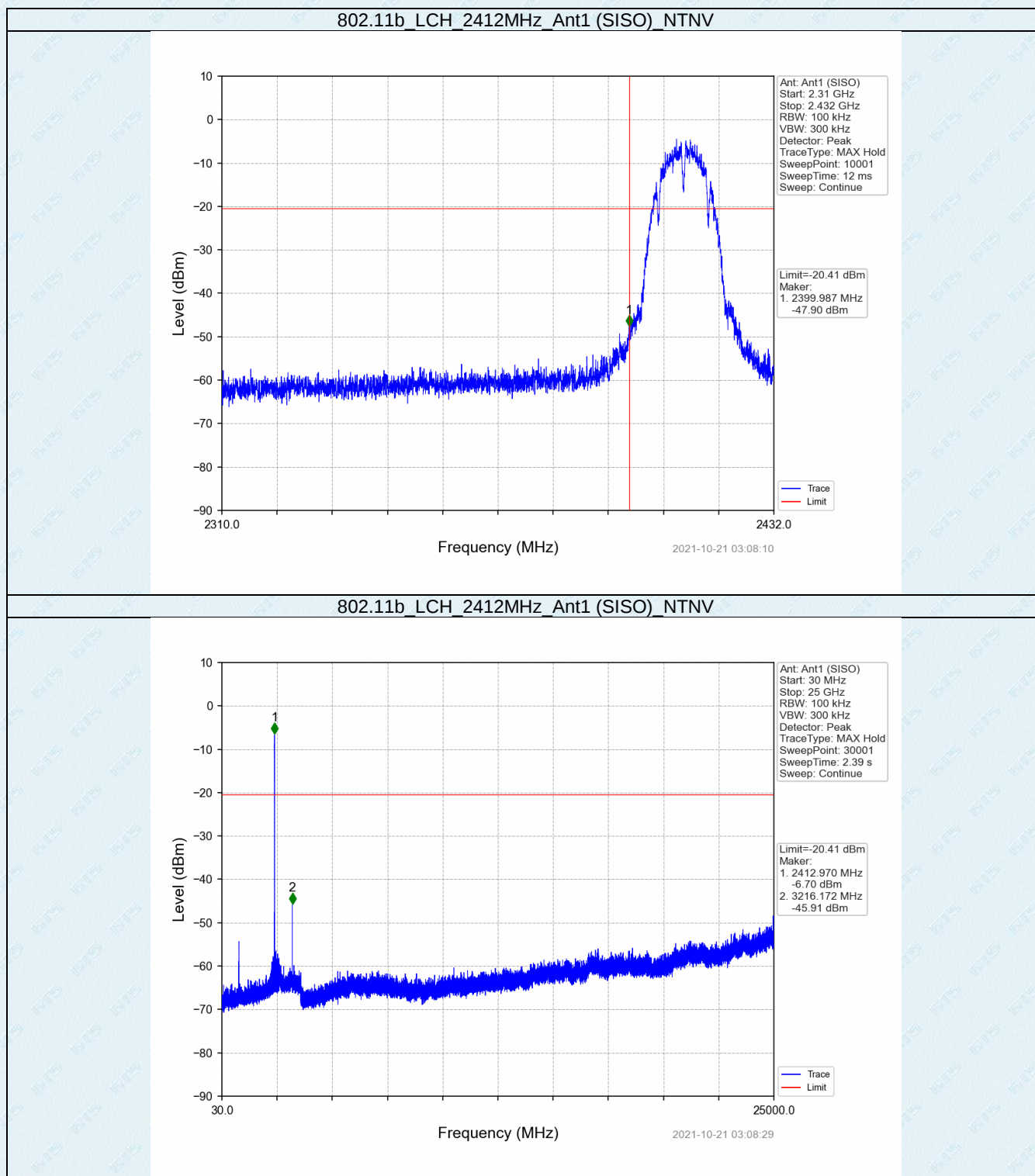
5.2 CSE

5.2.1 Test Result

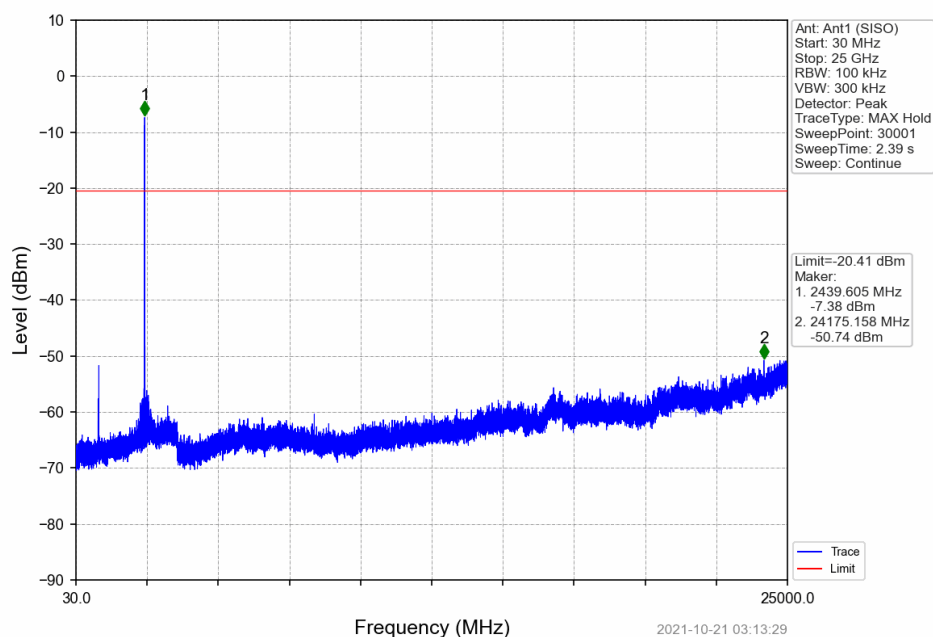
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-0.41	-20.41	Pass
		2437	1	-0.41	-20.41	Pass
		2462	1	-0.41	-20.41	Pass
802.11g	SISO	2412	1	-5.04	-25.04	Pass
		2437	1	-5.04	-25.04	Pass
		2462	1	-5.04	-25.04	Pass
802.11n (HT20)	SISO	2412	1	-4.81	-24.81	Pass
		2437	1	-4.81	-24.81	Pass
		2462	1	-4.81	-24.81	Pass
802.11n (HT40)	SISO	2422	1	-9.14	-29.14	Pass
		2437	1	-9.14	-29.14	Pass
		2452	1	-9.14	-29.14	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.

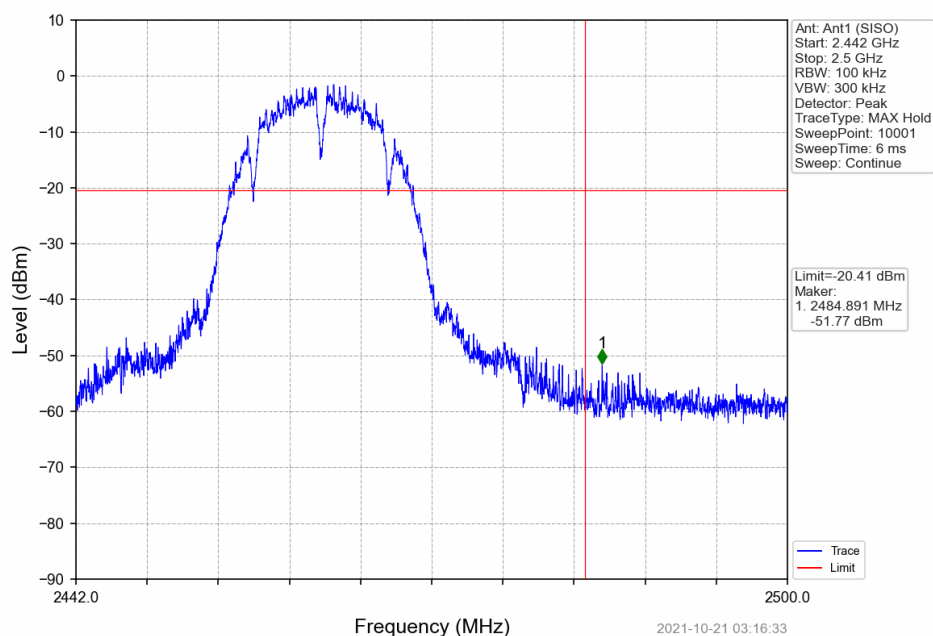
5.2.2 Test Graph



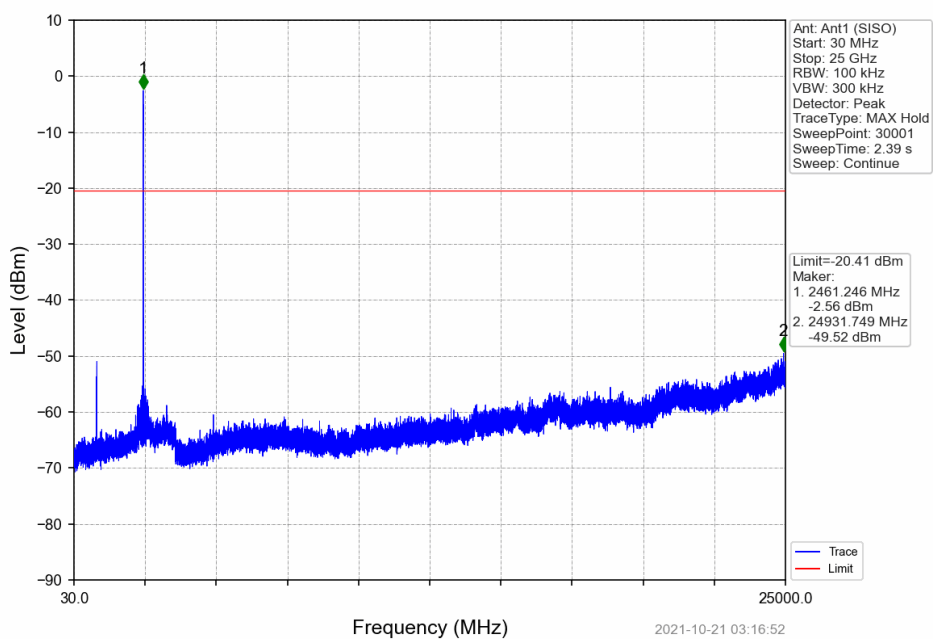
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



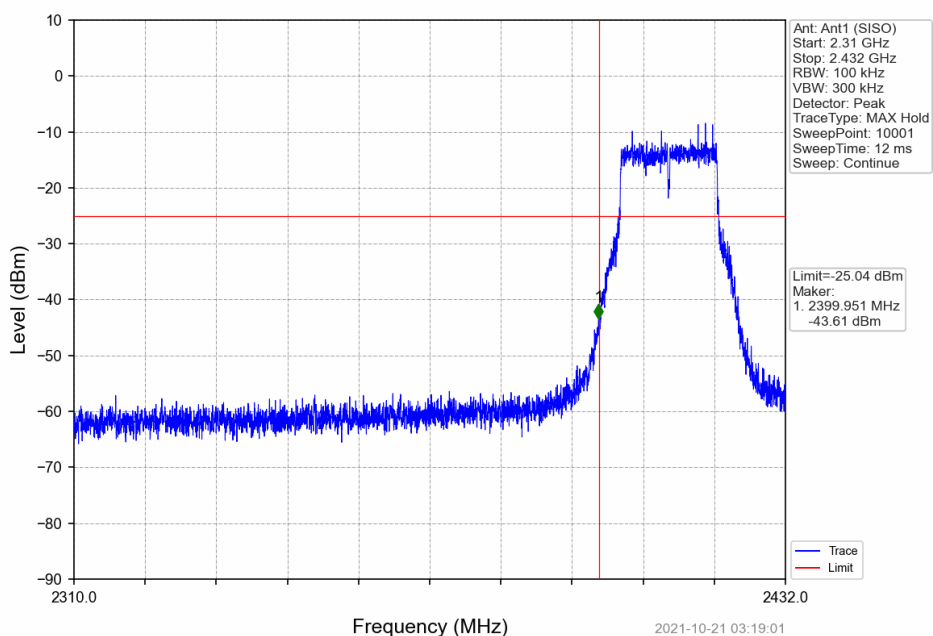
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



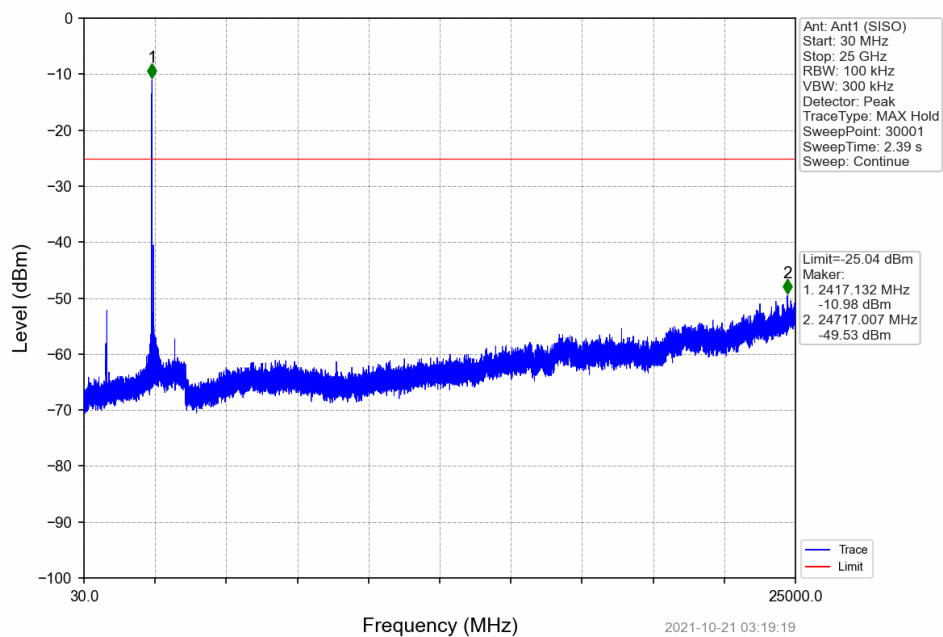
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



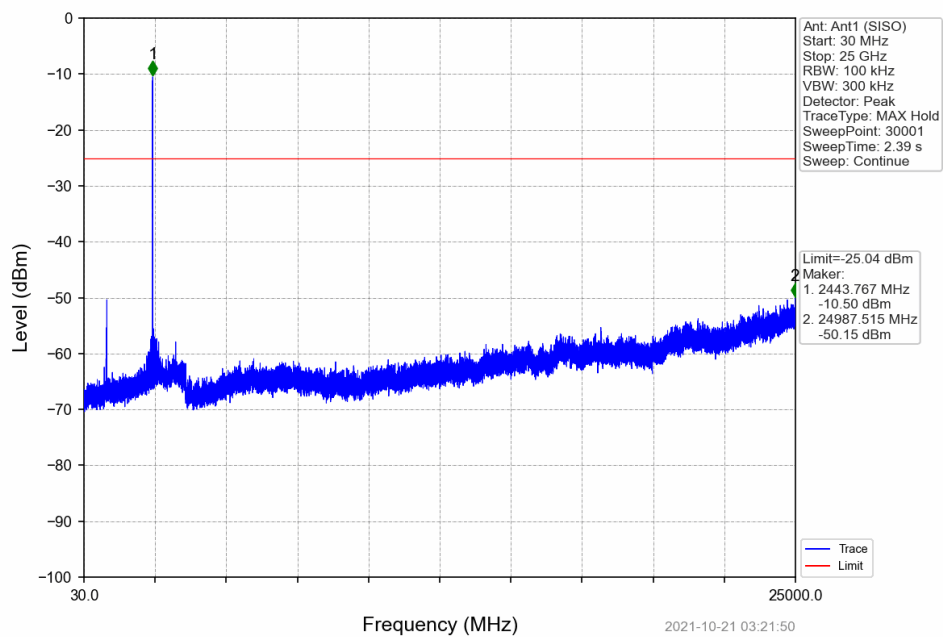
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



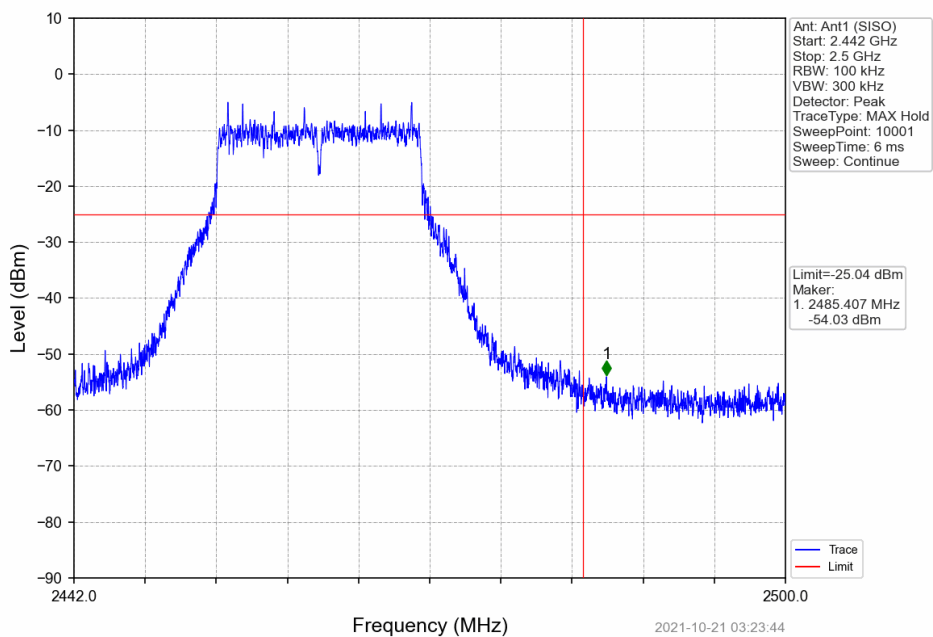
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



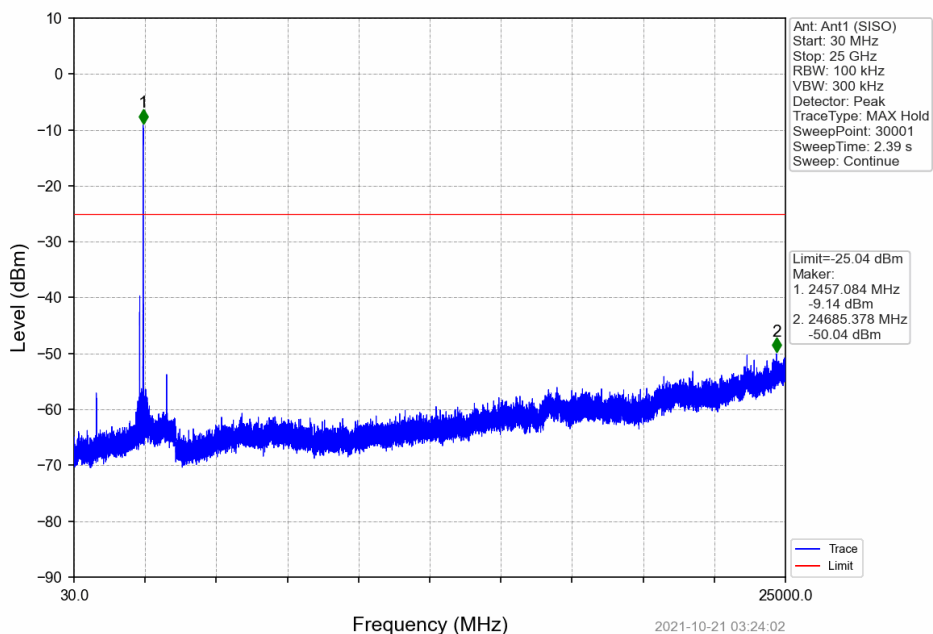
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



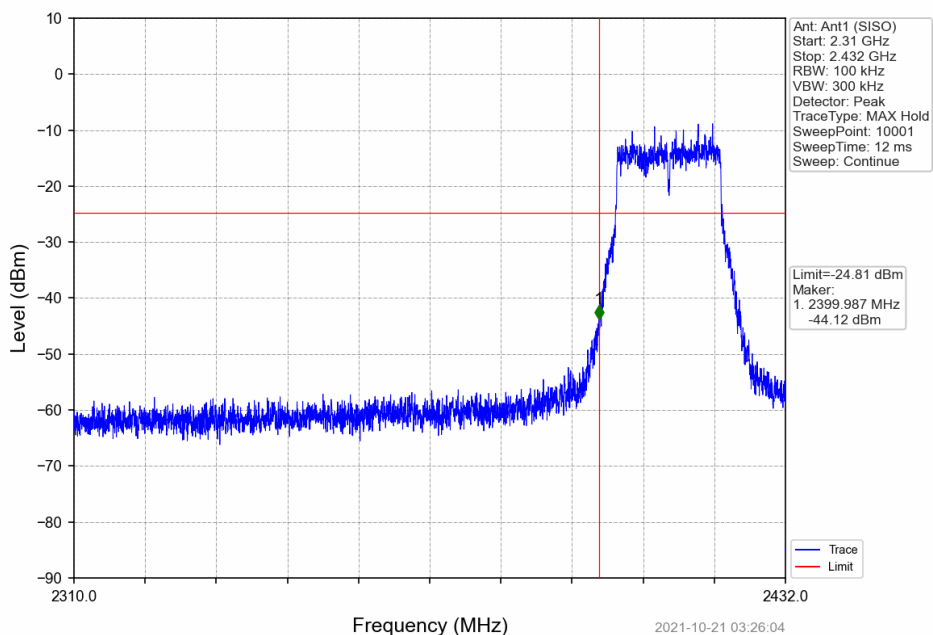
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



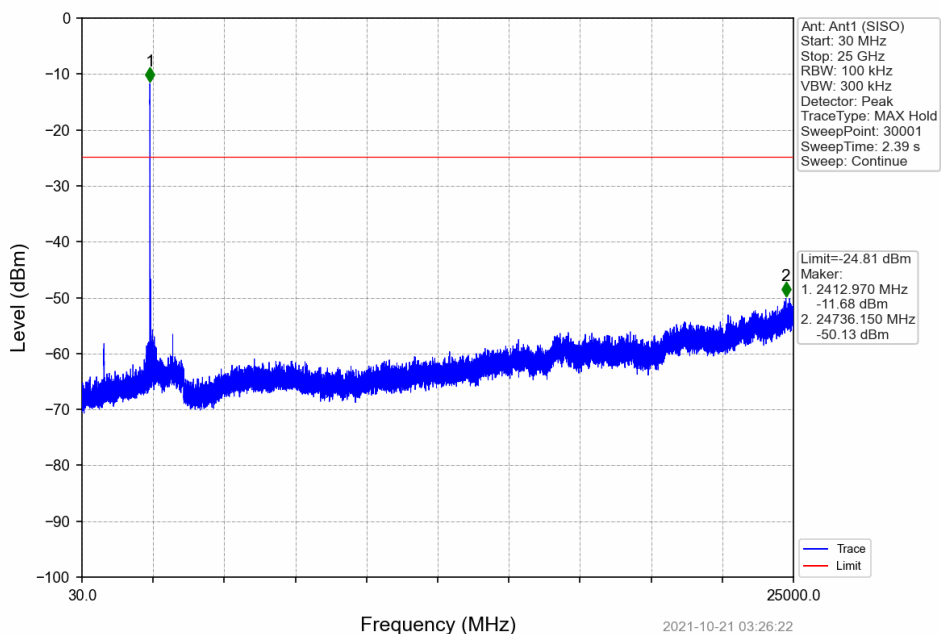
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



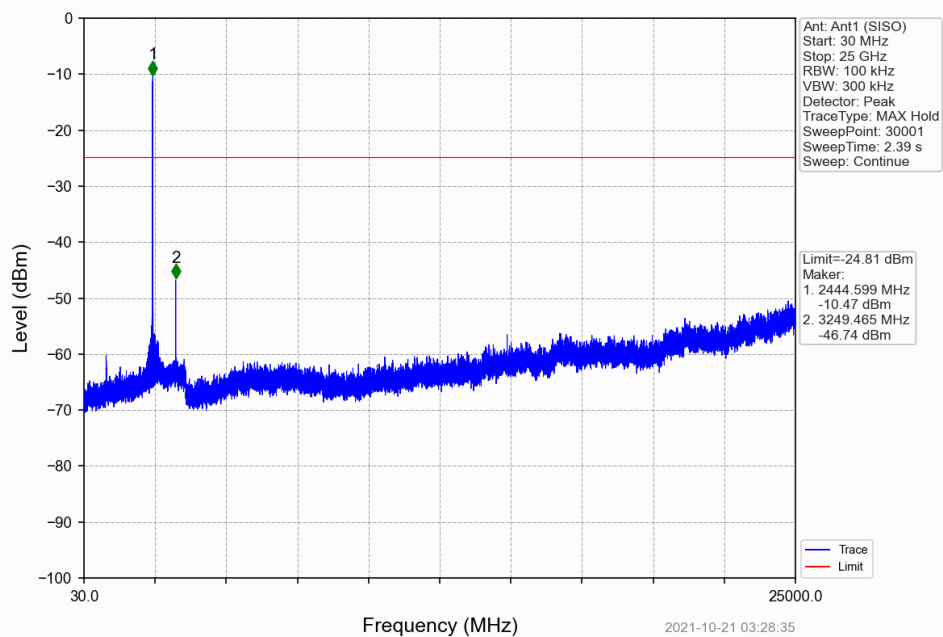
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



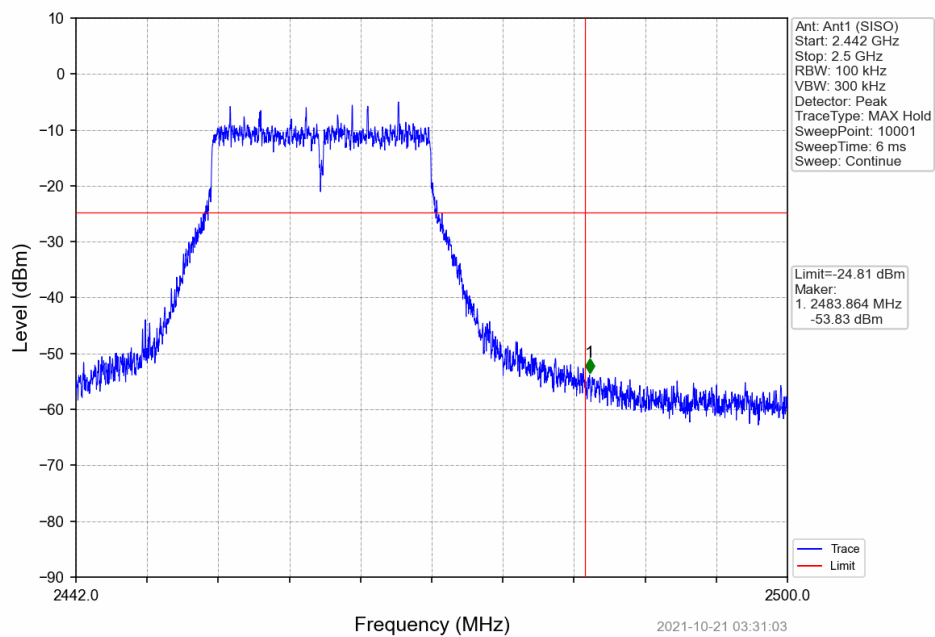
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



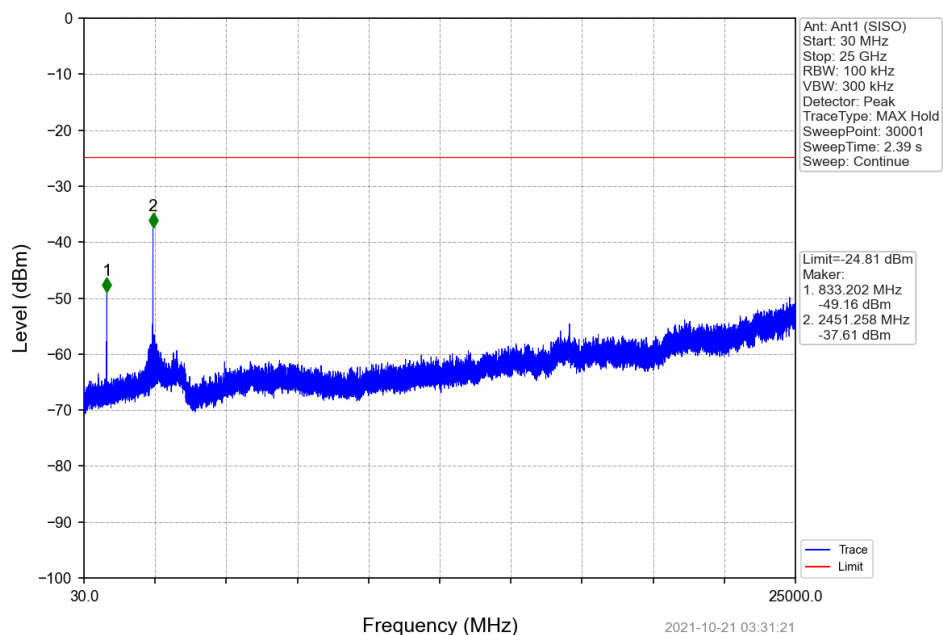
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



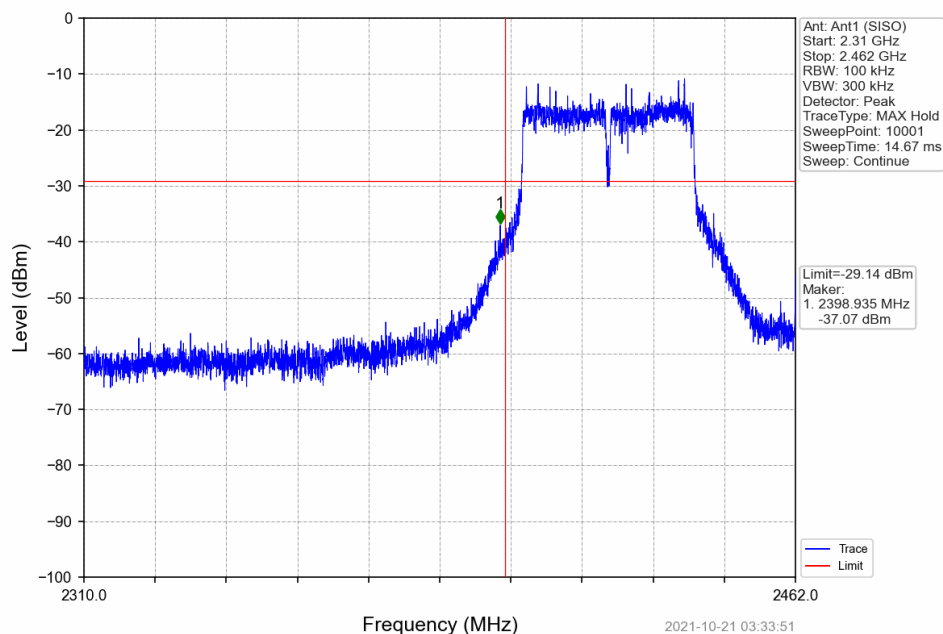
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



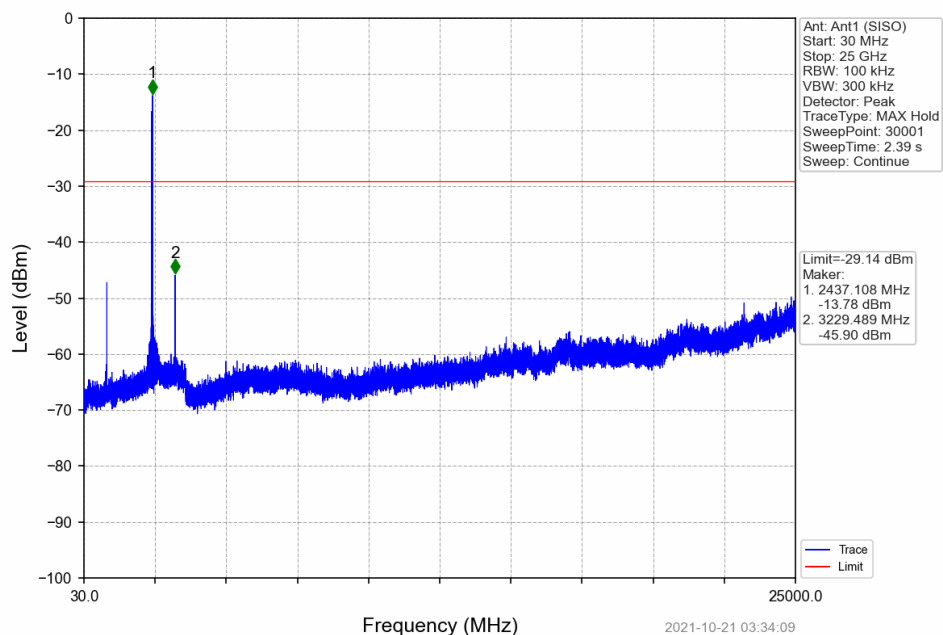
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



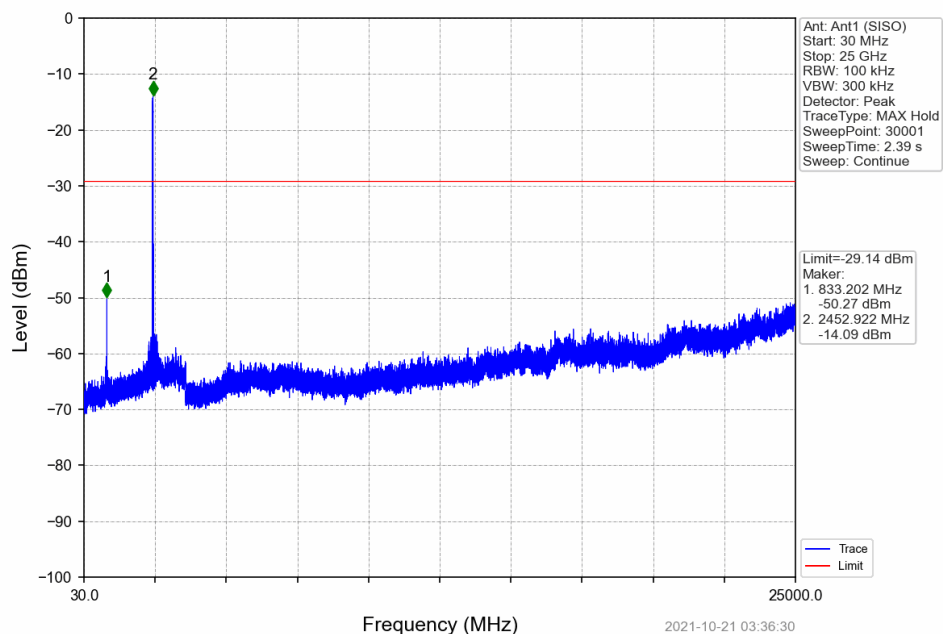
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



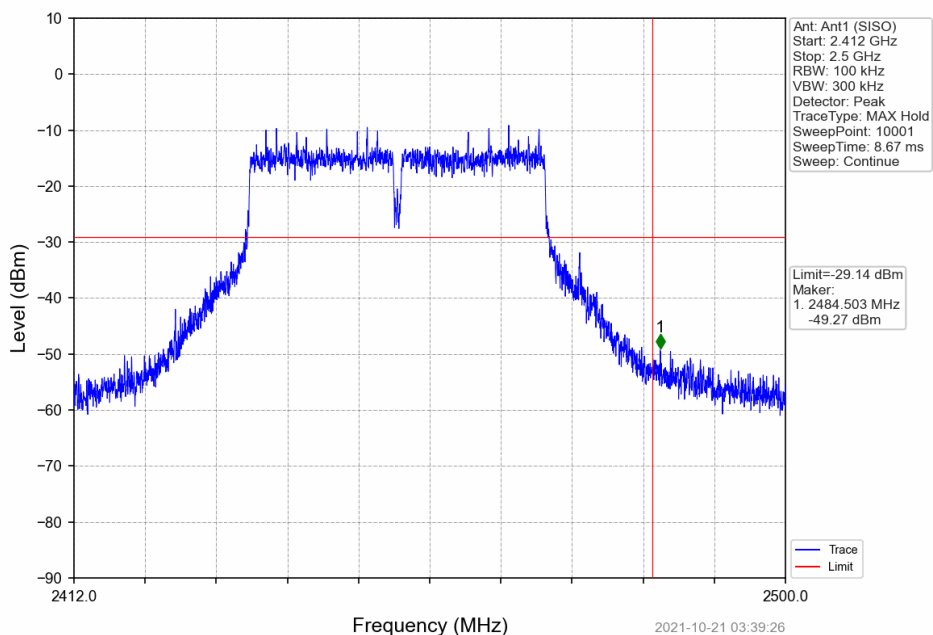
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



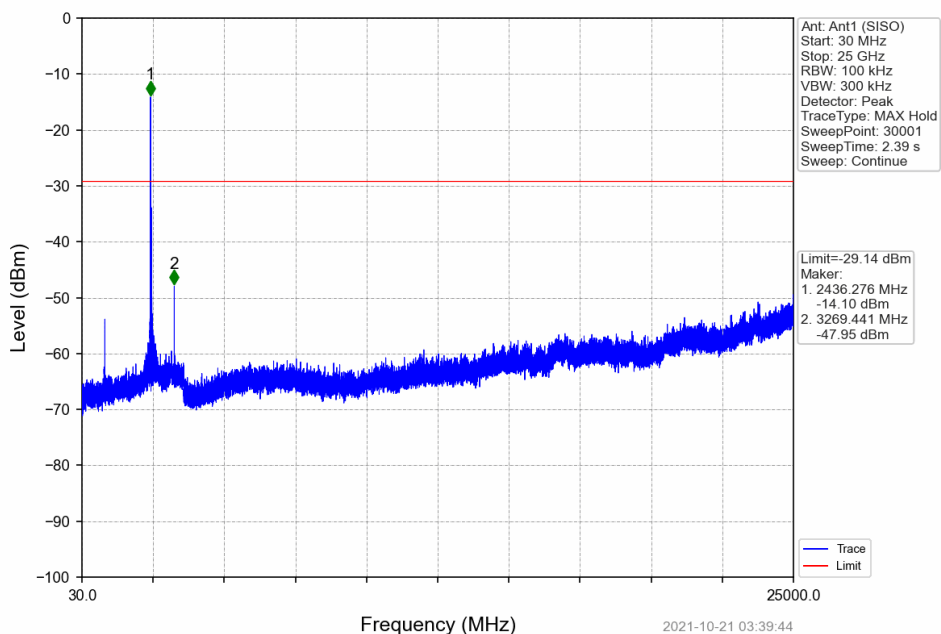
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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