

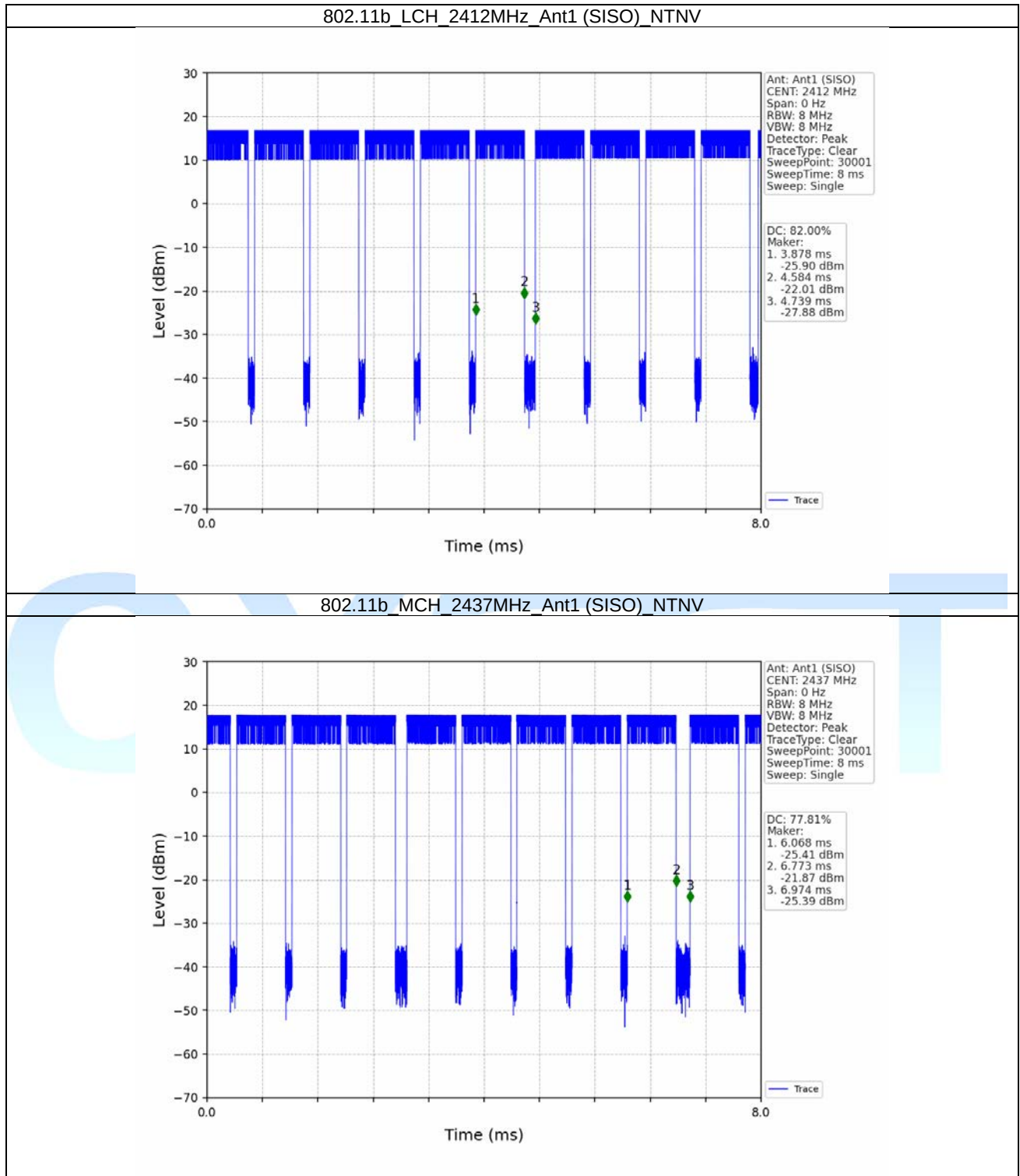
1. Duty Cycle

1.1 Ant1

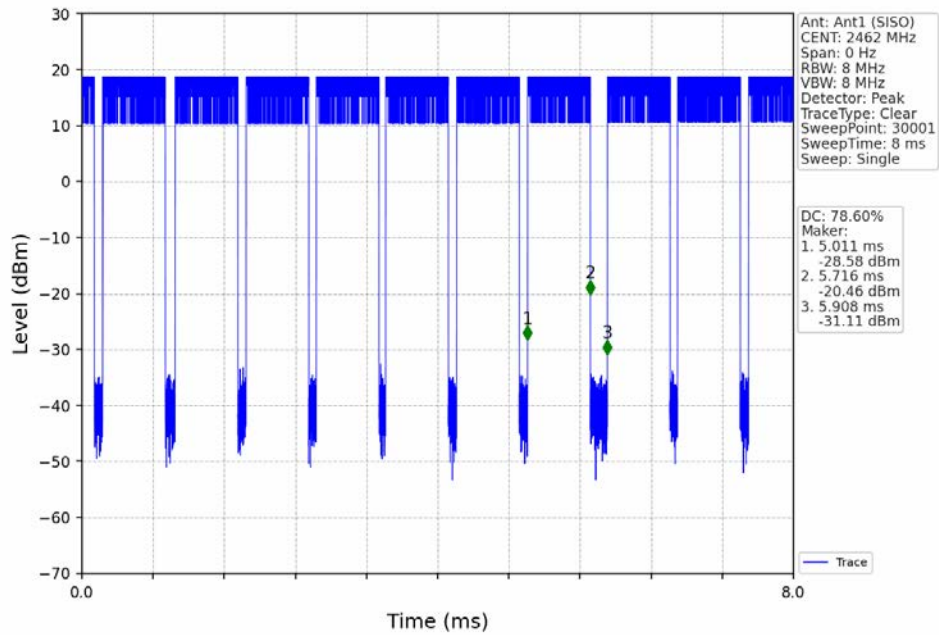
1.1.1 Test Result

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	0.706	0.861	82.00	0.86	6.49
		2437	0.705	0.906	77.81	1.09	11.59
		2462	0.705	0.897	78.60	1.05	11.83
802.11g	SISO	2412	0.113	0.301	37.54	4.25	18.46
		2437	0.113	0.265	42.64	3.70	15.83
		2462	0.113	0.265	42.64	3.70	15.95
802.11n (HT20)	SISO	2412	0.112	0.292	38.36	4.16	19.88
		2437	0.112	0.265	42.26	3.74	15.86
		2462	0.112	0.274	40.88	3.89	17.21
802.11n (HT40)	SISO	2422	0.072	0.243	29.63	5.28	17.61
		2437	0.073	0.225	32.44	4.89	15.21
		2452	0.072	0.225	32.00	4.95	15.23

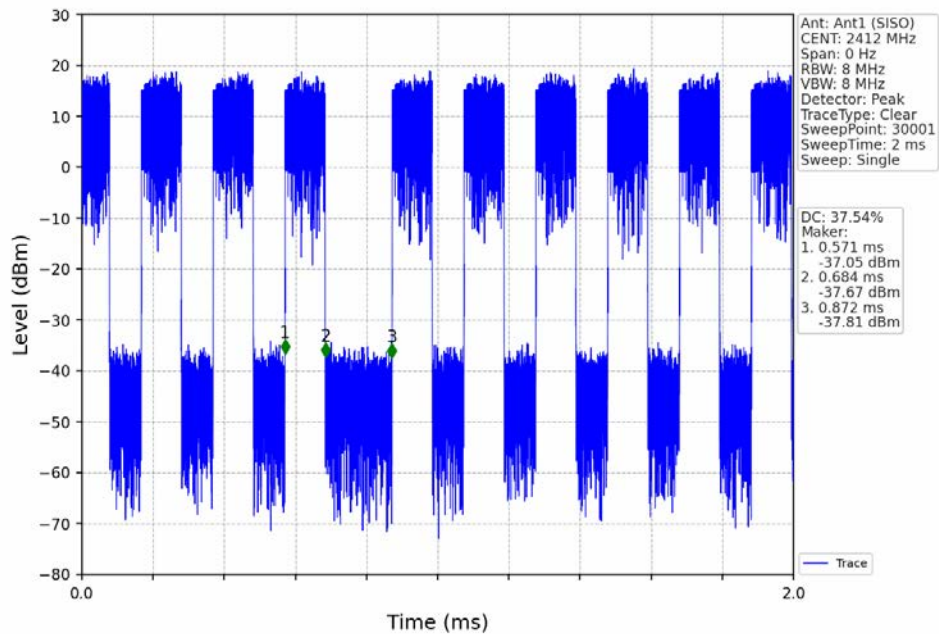
1.1.2 Test Graph



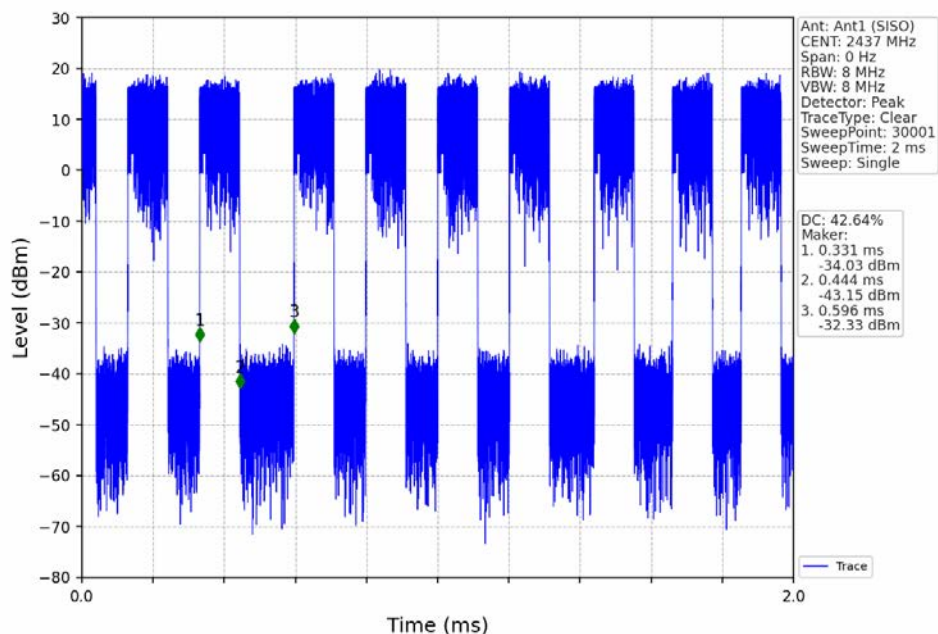
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



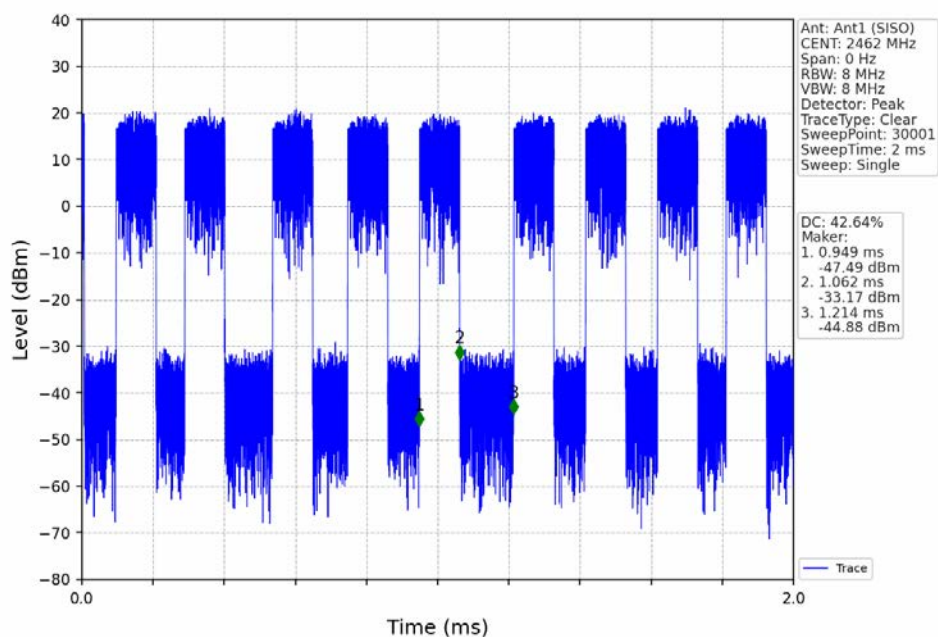
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



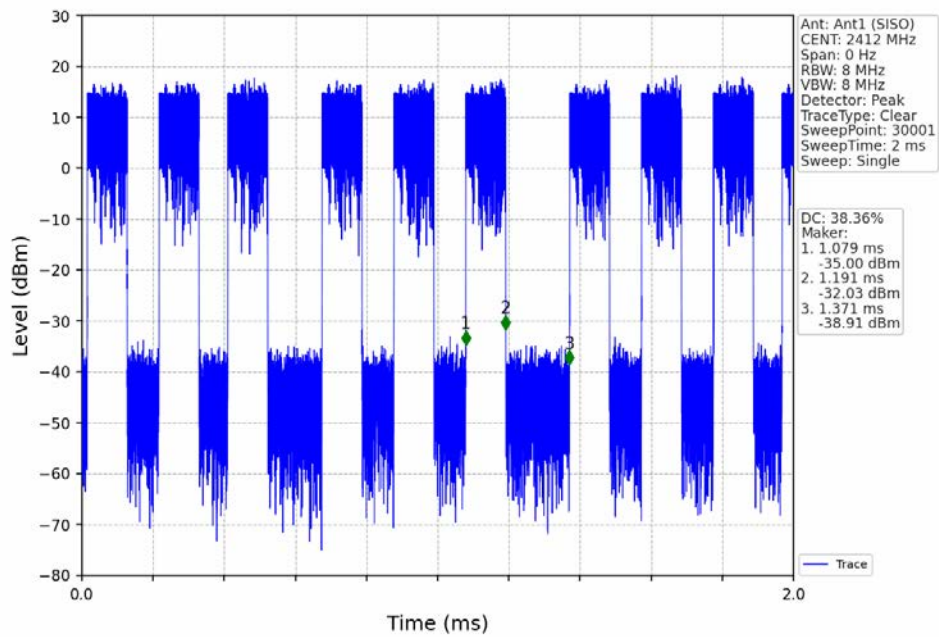
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



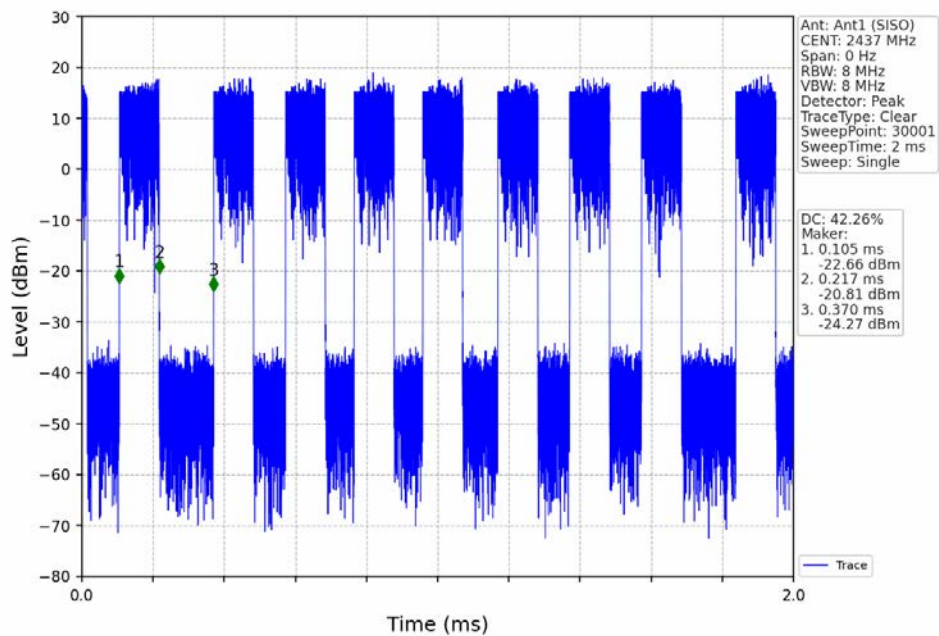
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



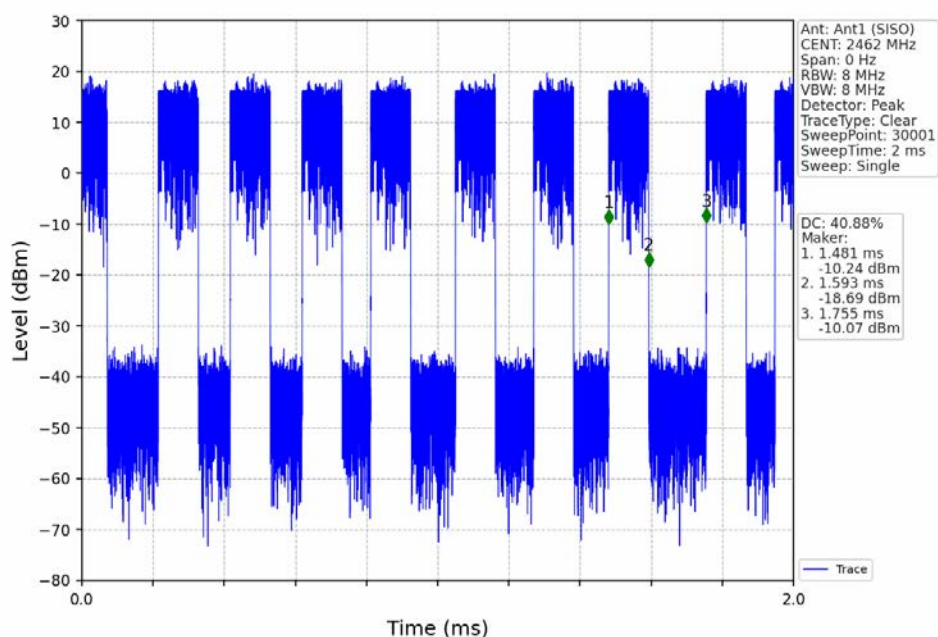
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



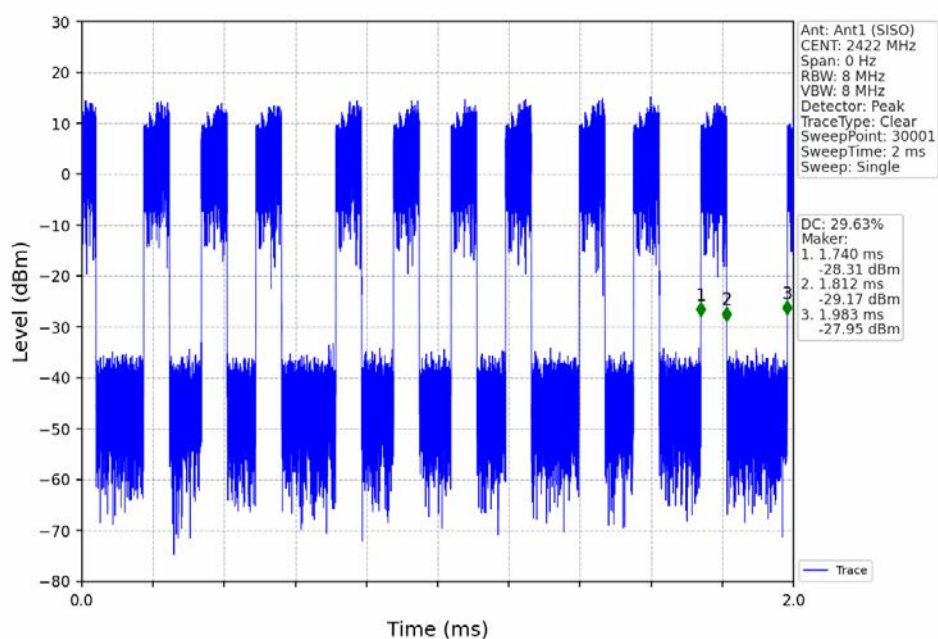
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



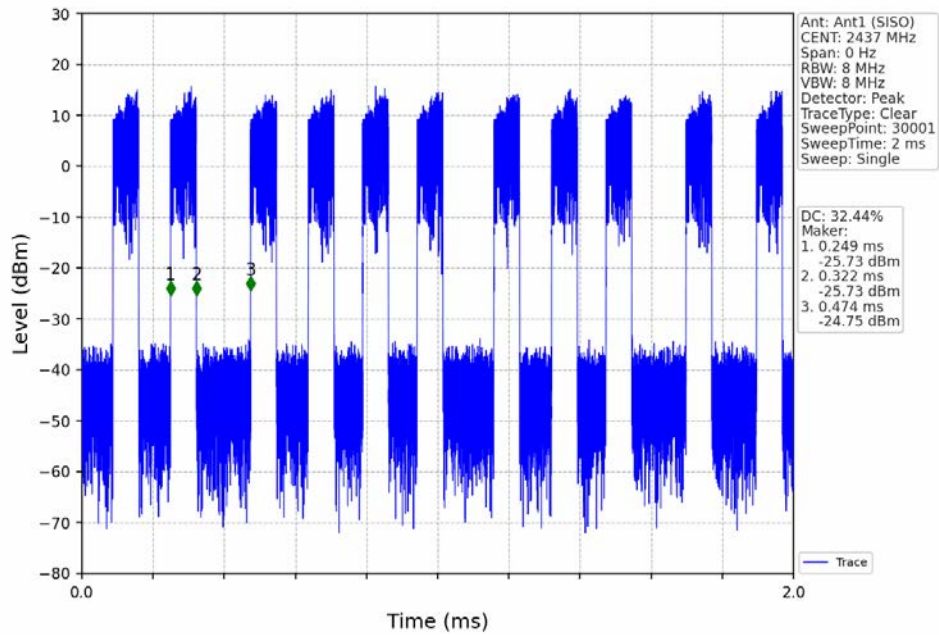
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



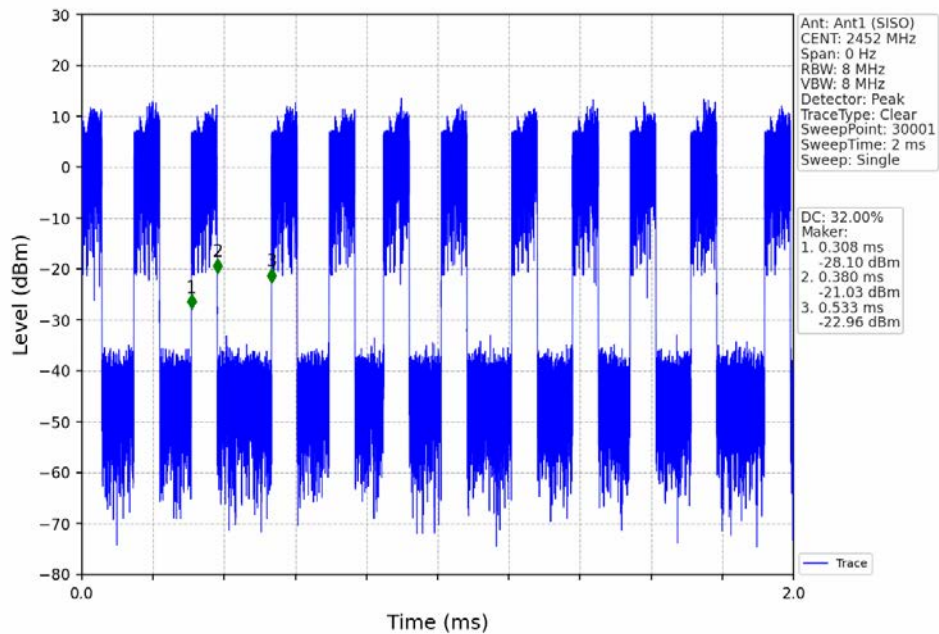
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



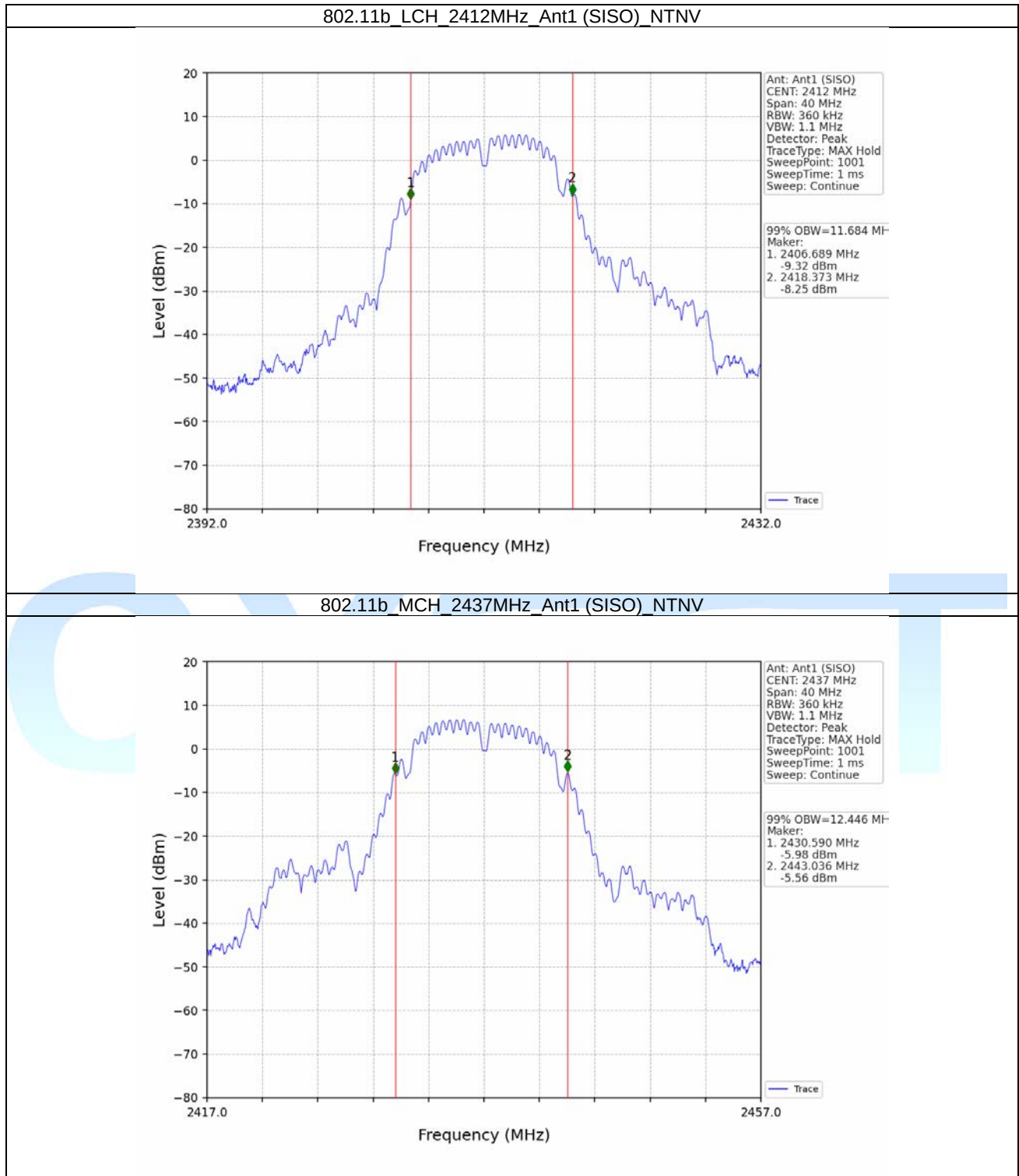
2. Bandwidth

2.1 OBW

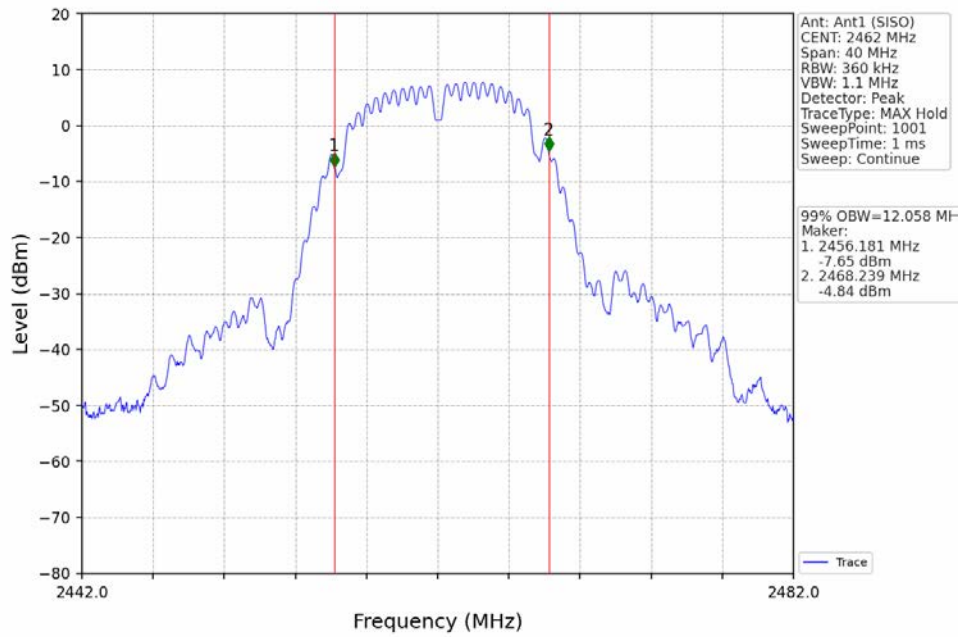
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.684	/	Pass
		2437	1	12.446	/	Pass
		2462	1	12.058	/	Pass
802.11g	SISO	2412	1	17.833	/	Pass
		2437	1	21.055	/	Pass
		2462	1	17.674	/	Pass
802.11n (HT20)	SISO	2412	1	18.185	/	Pass
		2437	1	18.737	/	Pass
		2462	1	17.955	/	Pass
802.11n (HT40)	SISO	2422	1	36.455	/	Pass
		2437	1	38.118	/	Pass
		2452	1	37.064	/	Pass

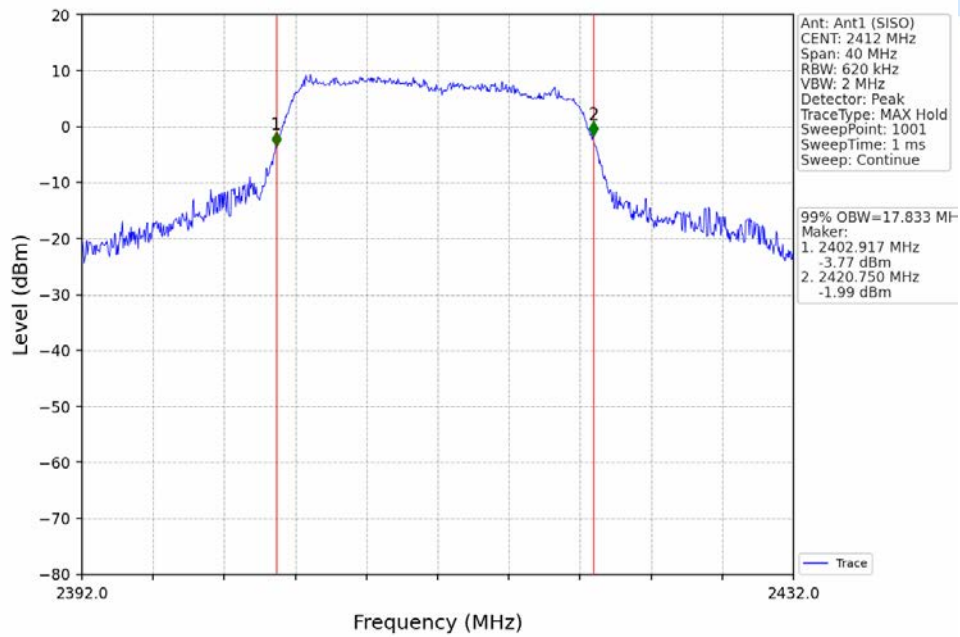
2.1.2 Test Graph



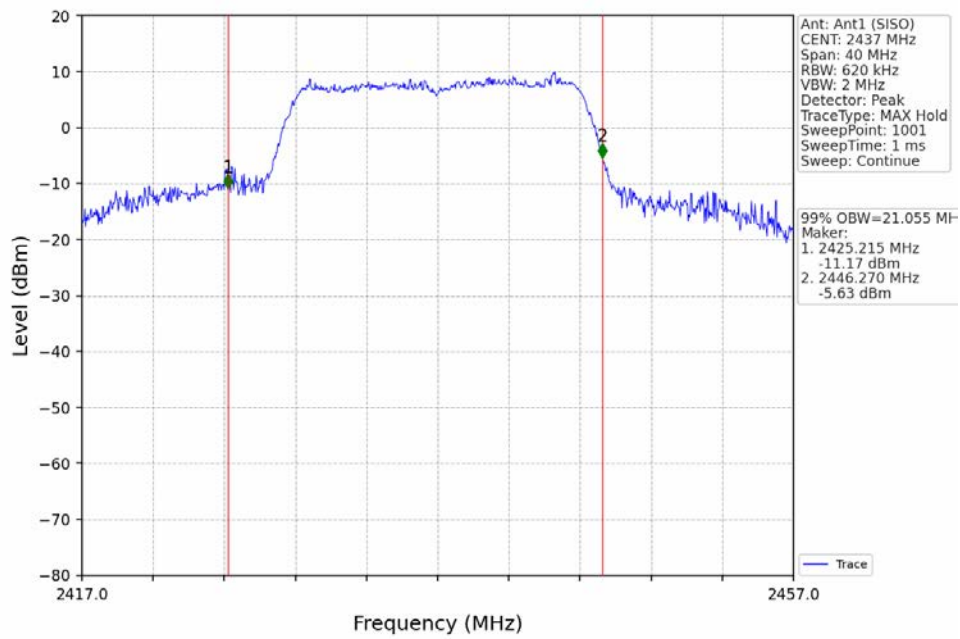
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



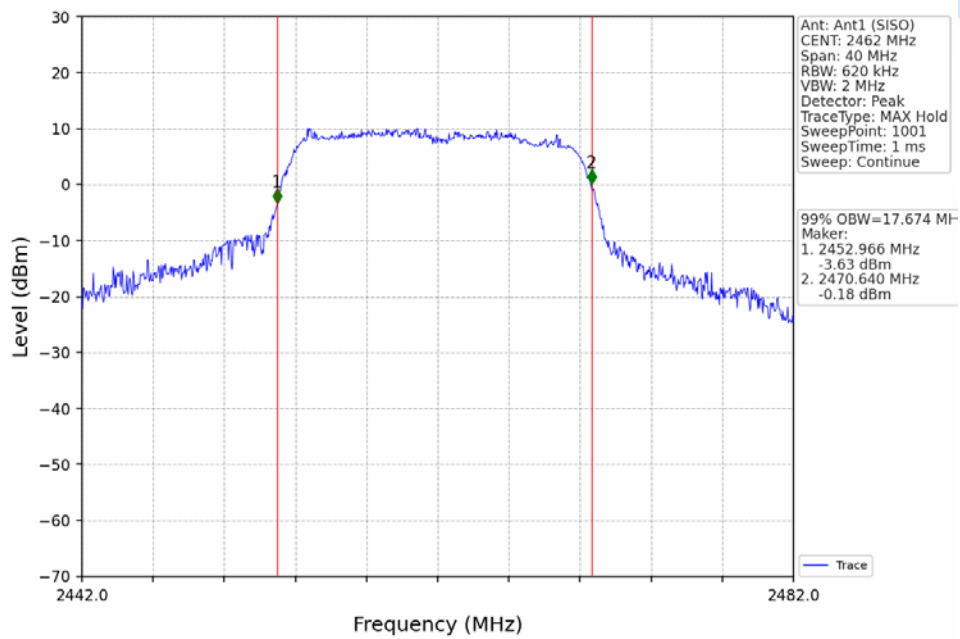
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



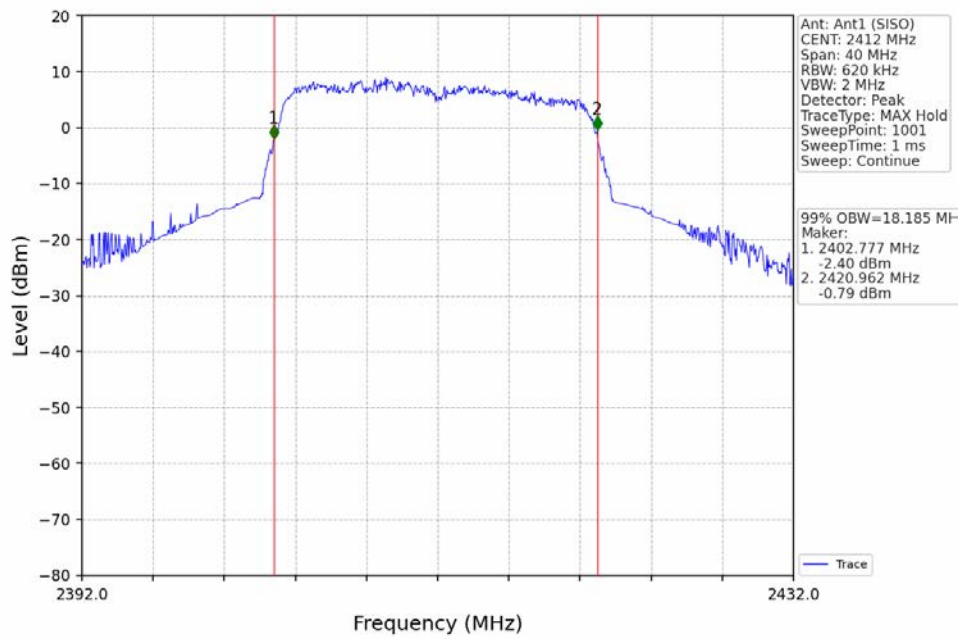
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



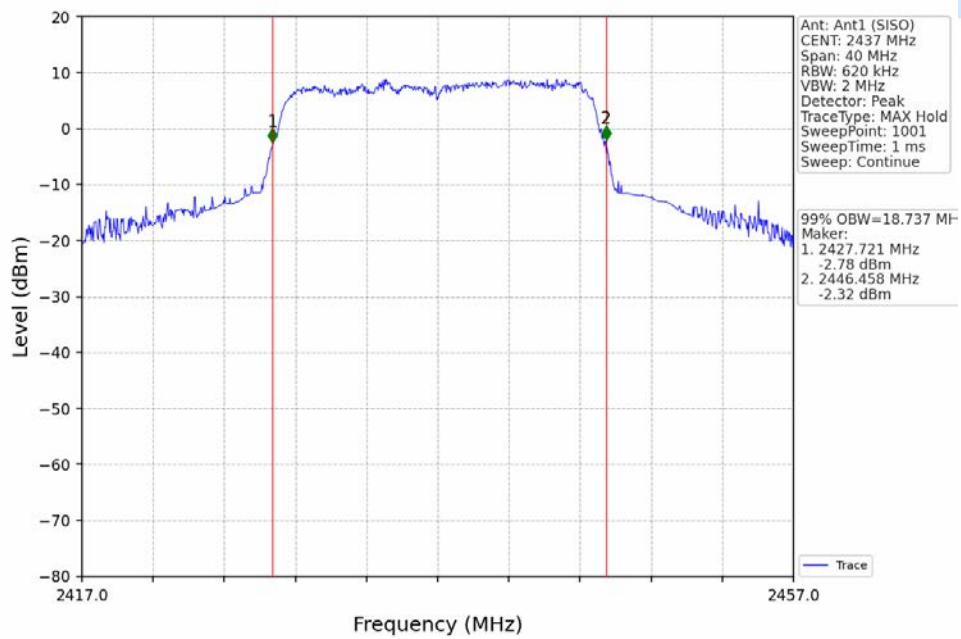
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



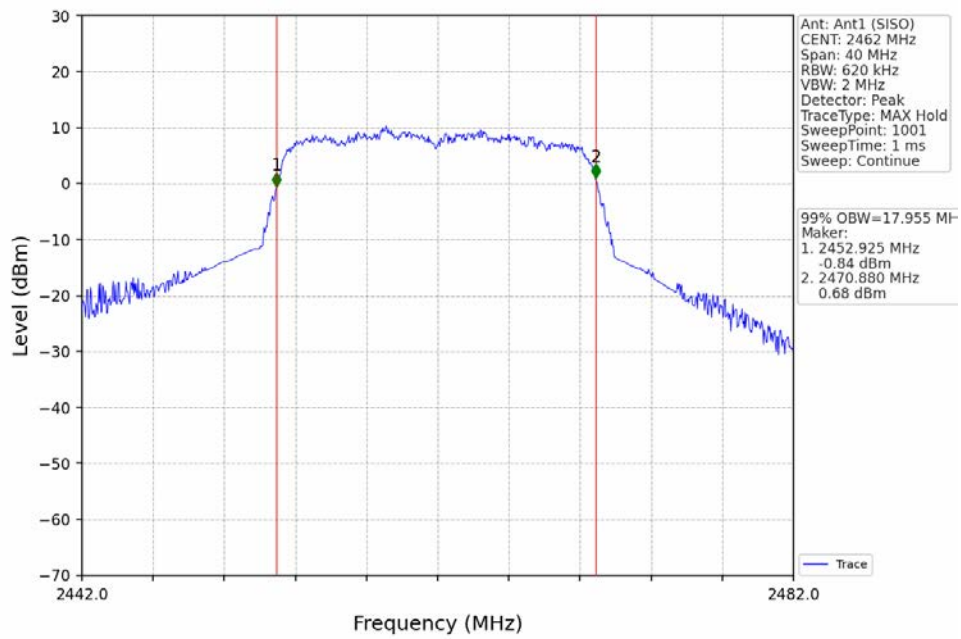
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



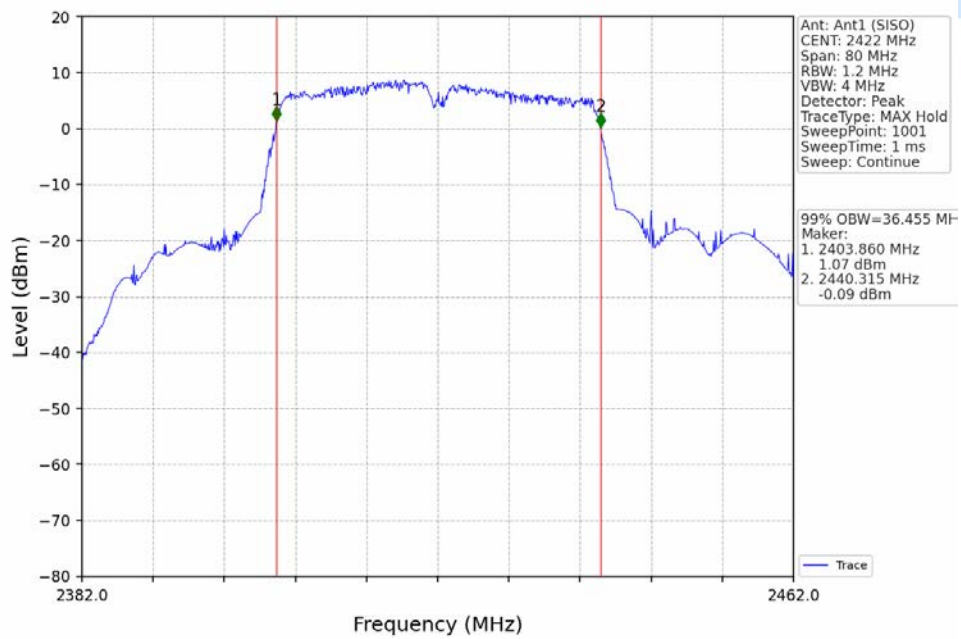
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



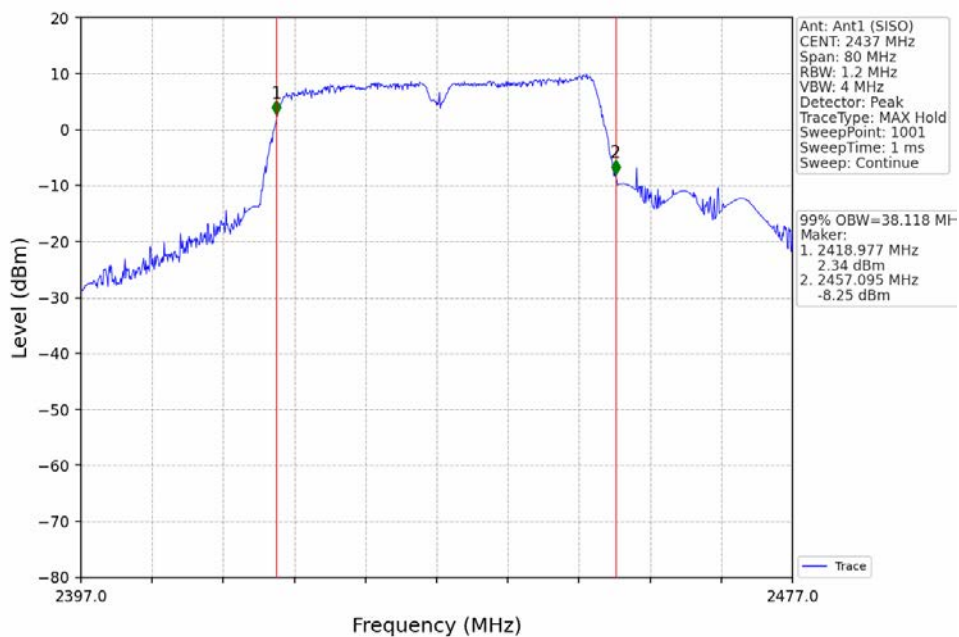
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



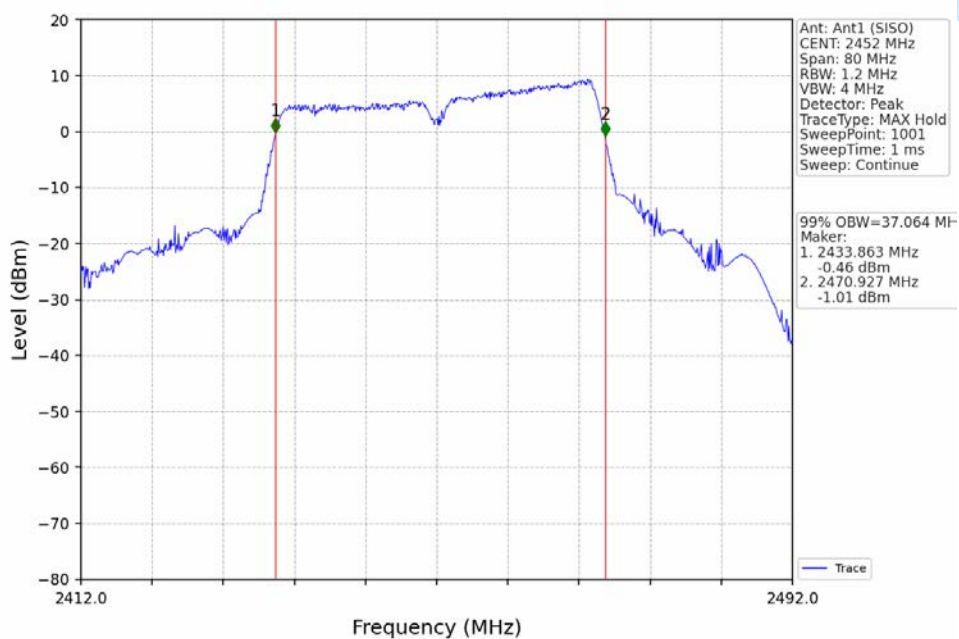
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

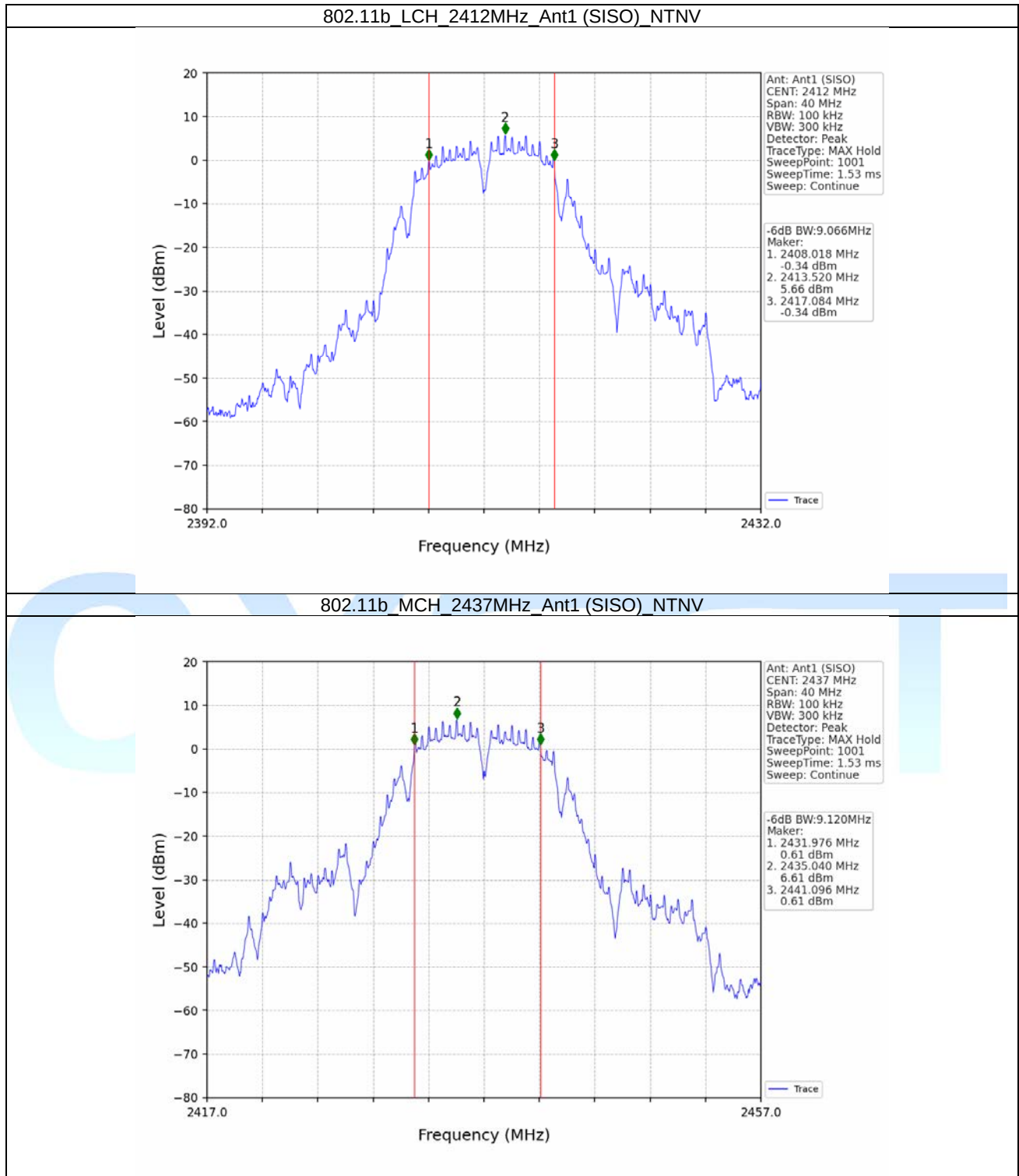


2.2 6dB BW

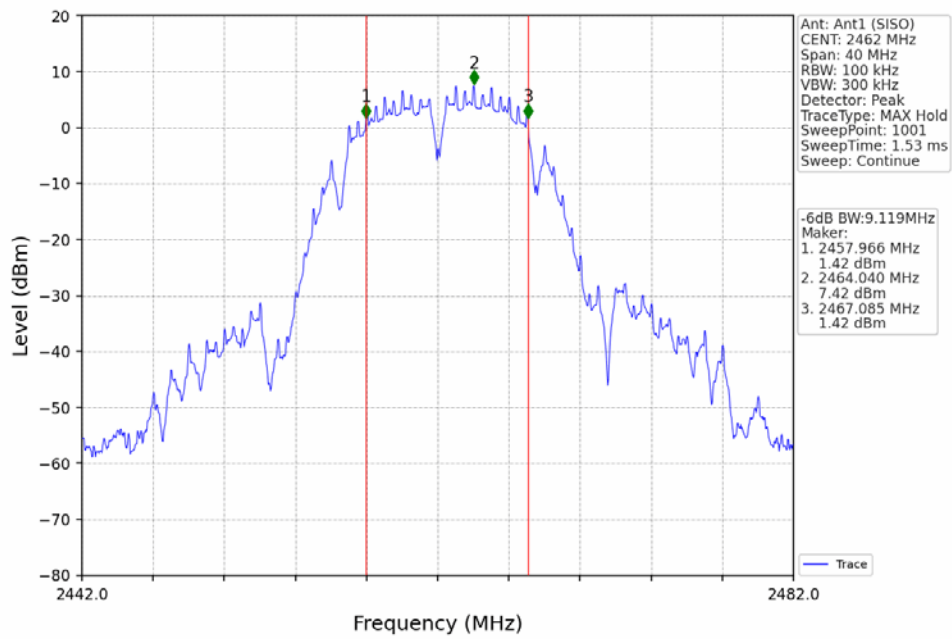
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.066	≥ 0.5	Pass
		2437	1	9.120	≥ 0.5	Pass
		2462	1	9.119	≥ 0.5	Pass
802.11g	SISO	2412	1	15.794	≥ 0.5	Pass
		2437	1	16.352	≥ 0.5	Pass
		2462	1	16.091	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.269	≥ 0.5	Pass
		2437	1	17.299	≥ 0.5	Pass
		2462	1	16.902	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.202	≥ 0.5	Pass
		2437	1	35.791	≥ 0.5	Pass
		2452	1	35.782	≥ 0.5	Pass

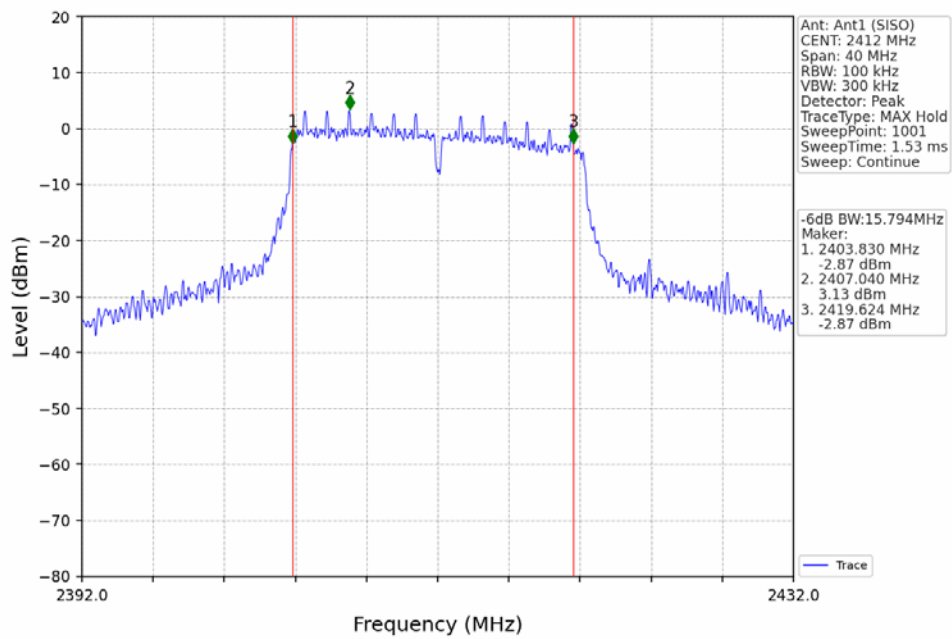
2.2.2 Test Graph



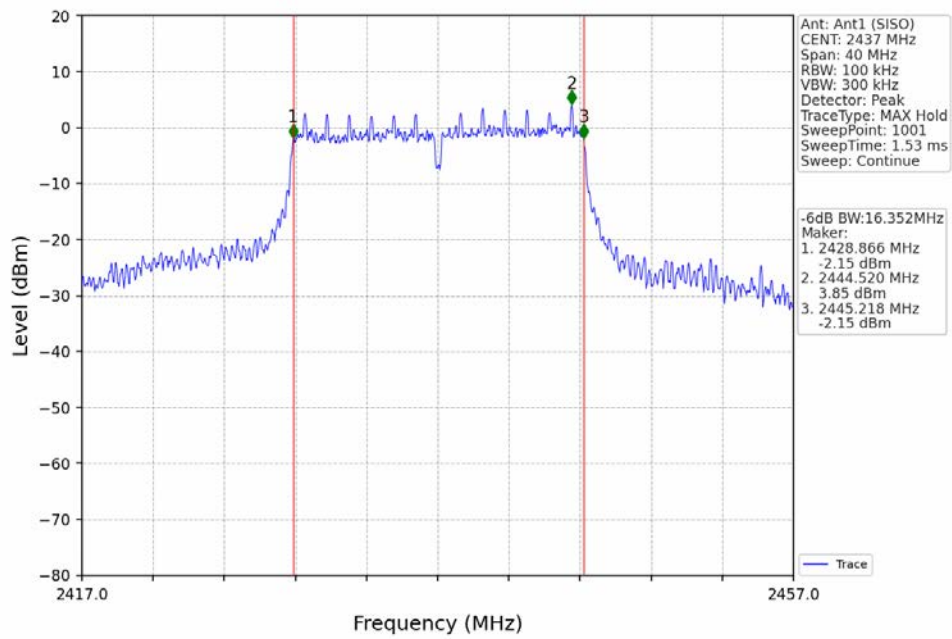
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



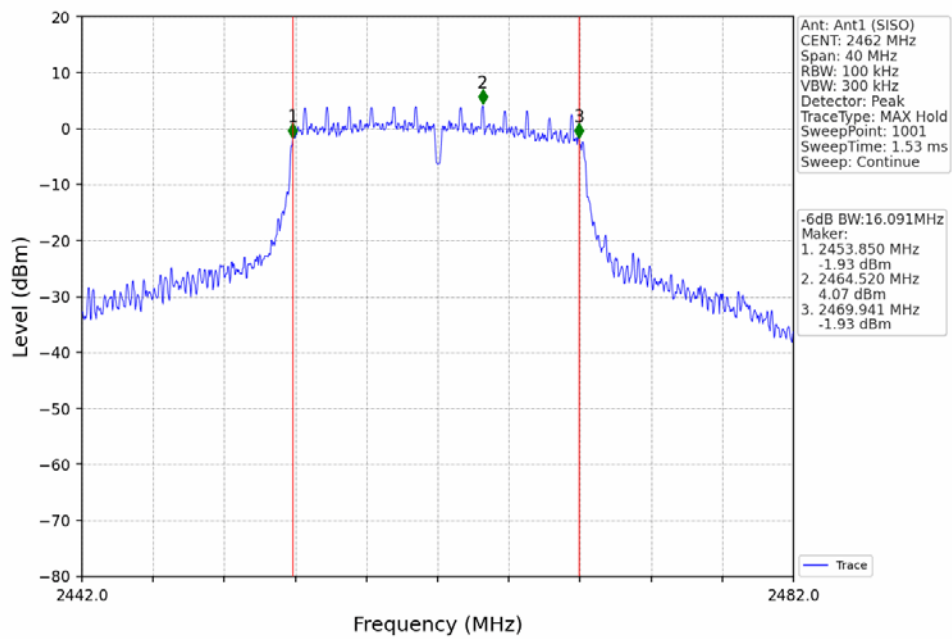
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



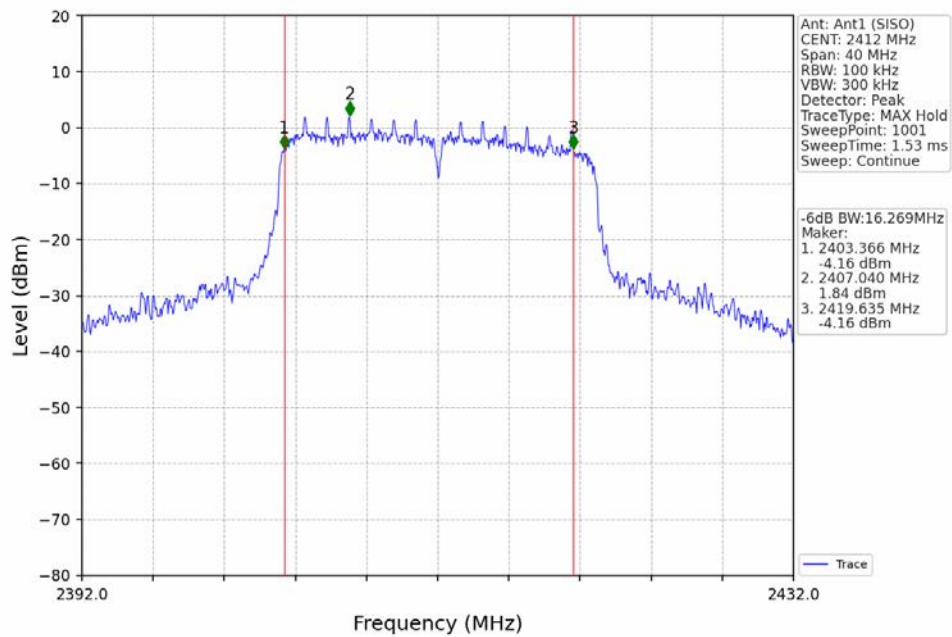
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



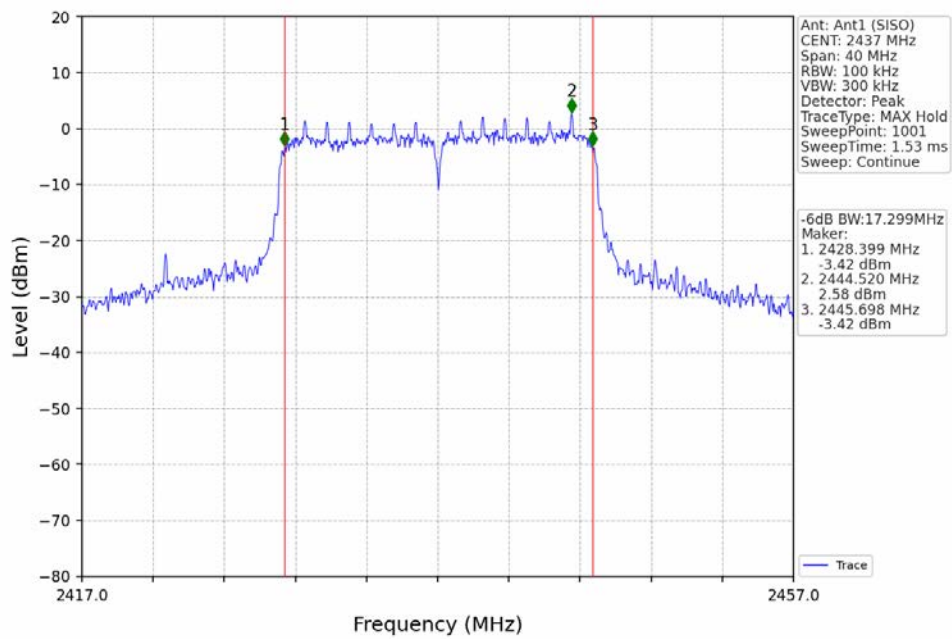
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



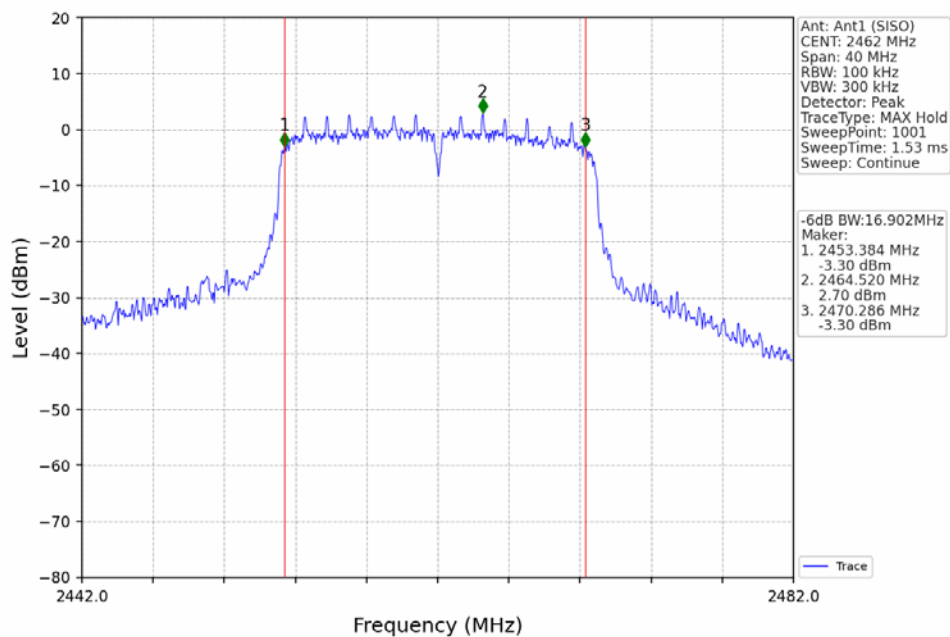
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



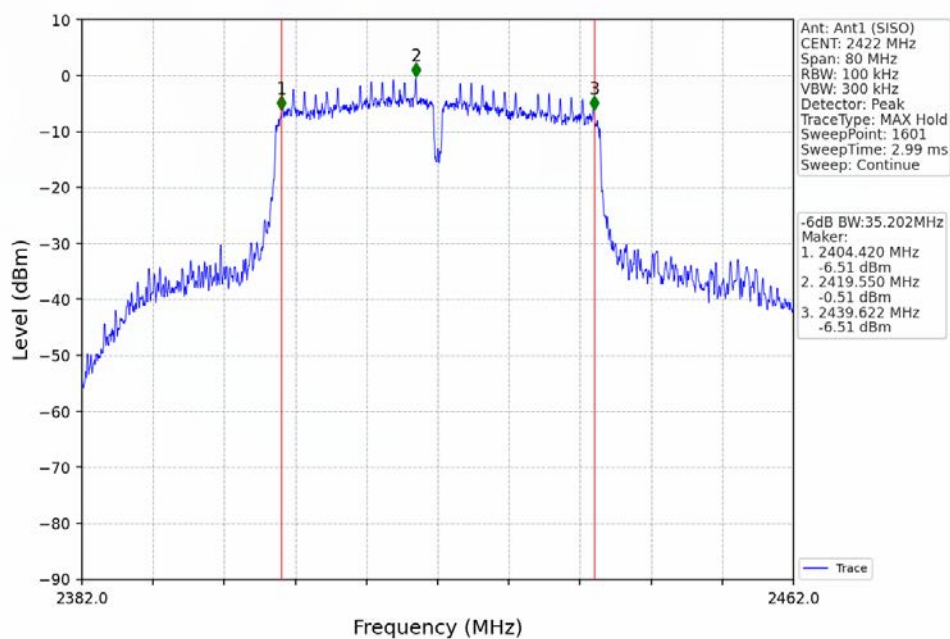
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



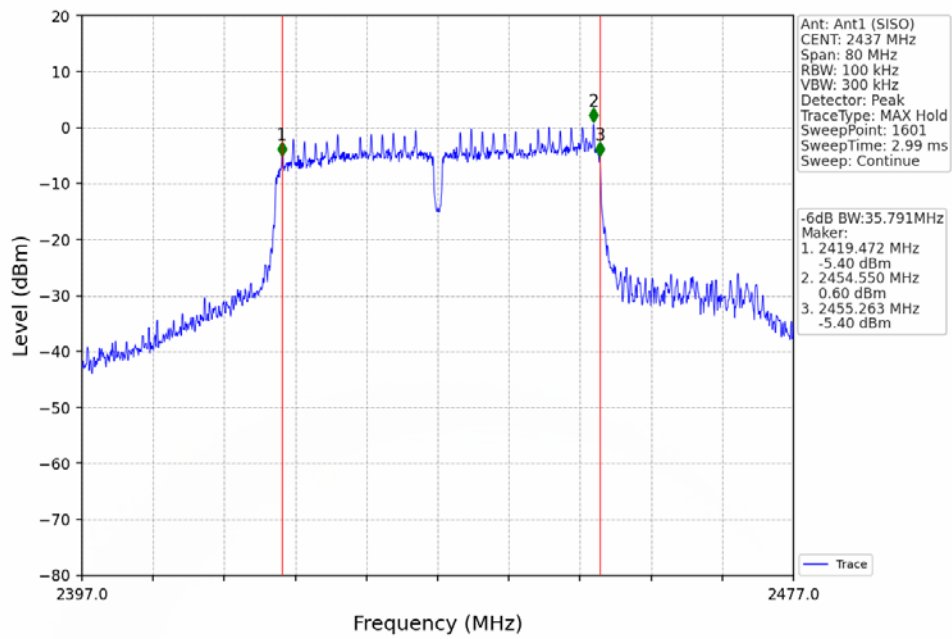
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



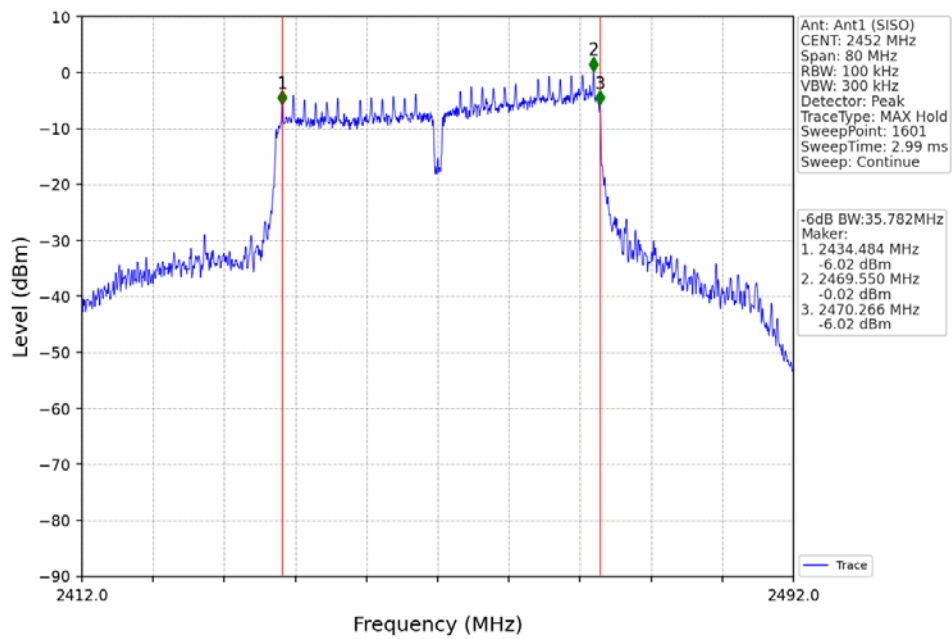
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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	16.50	<=30	Pass
		2437	17.60	<=30	Pass
		2462	18.70	<=30	Pass
802.11g	SISO	2412	21.53	<=30	Pass
		2437	22.17	<=30	Pass
		2462	22.97	<=30	Pass
802.11n (HT20)	SISO	2412	20.51	<=30	Pass
		2437	21.24	<=30	Pass
		2462	21.76	<=30	Pass
802.11n (HT40)	SISO	2422	20.28	<=30	Pass
		2437	21.58	<=30	Pass
		2452	19.67	<=30	Pass

Note1: Antenna Gain: Ant1: 1.36dBi;

4. Maximum Power Spectral Density

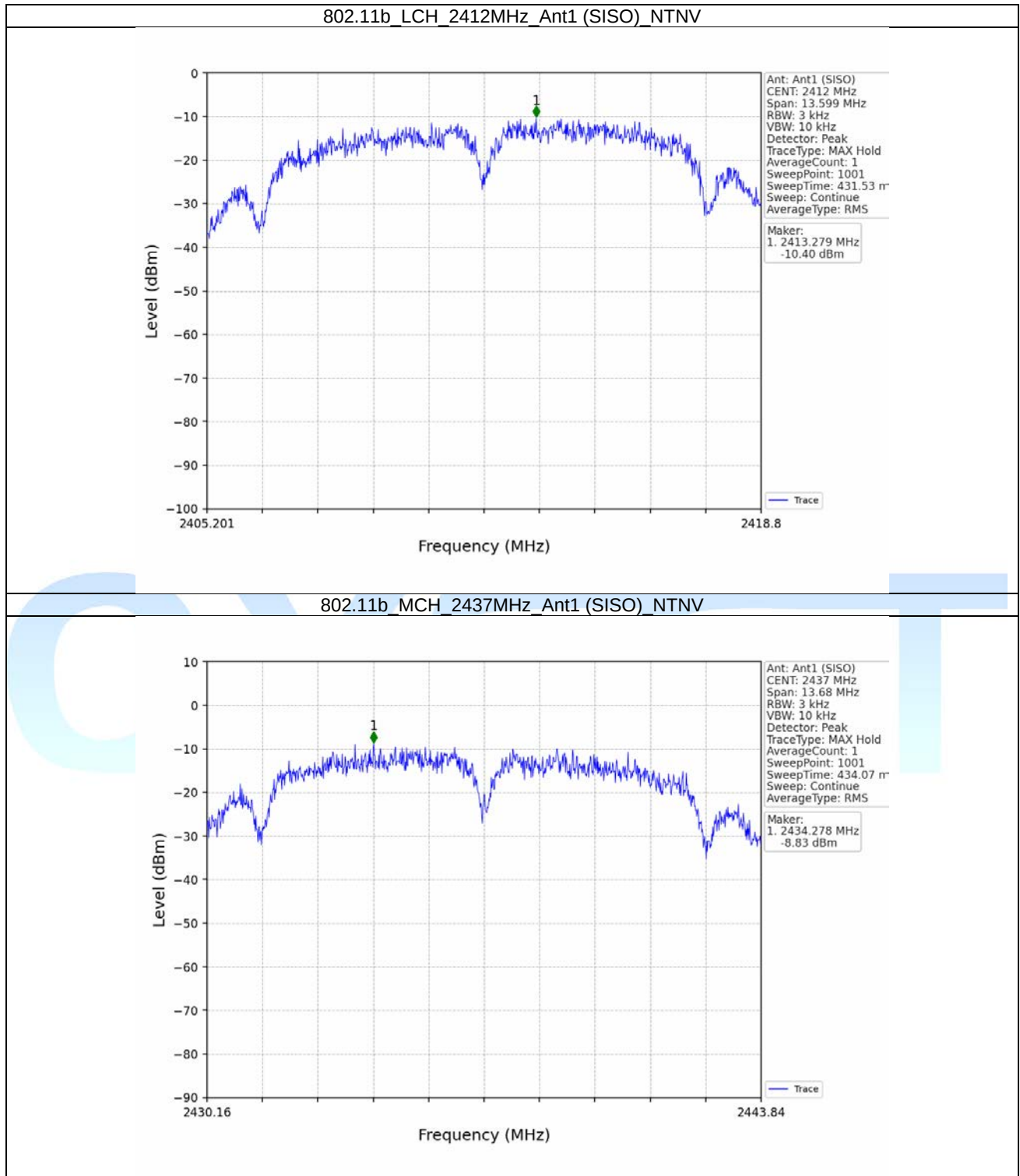
4.1 PSD

4.1.1 Test Result

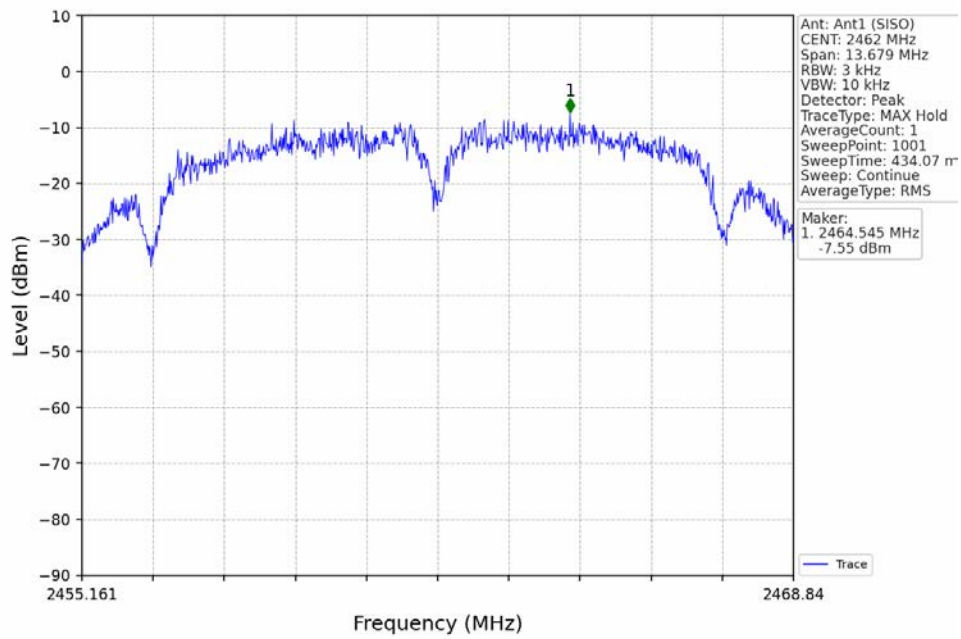
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.40	<=8	Pass
		2437	-8.83	<=8	Pass
		2462	-7.55	<=8	Pass
802.11g	SISO	2412	-14.12	<=8	Pass
		2437	-12.41	<=8	Pass
		2462	-12.96	<=8	Pass
802.11n (HT20)	SISO	2412	-14.70	<=8	Pass
		2437	-14.41	<=8	Pass
		2462	-14.17	<=8	Pass
802.11n (HT40)	SISO	2422	-18.24	<=8	Pass
		2437	-16.40	<=8	Pass
		2452	-17.73	<=8	Pass

Note1: Antenna Gain: Ant1: 1.36dBi;

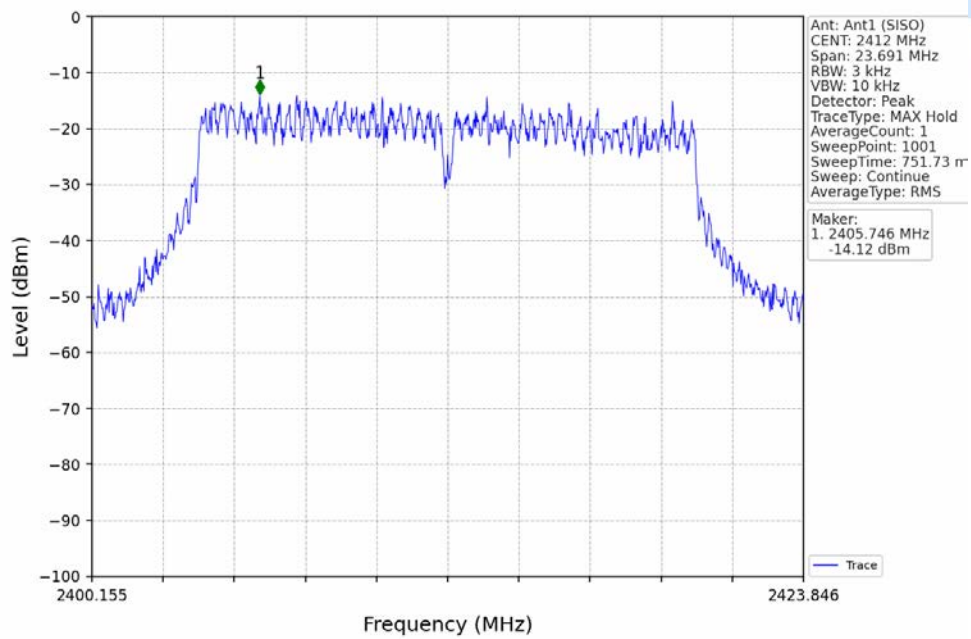
4.1.2 Test Graph



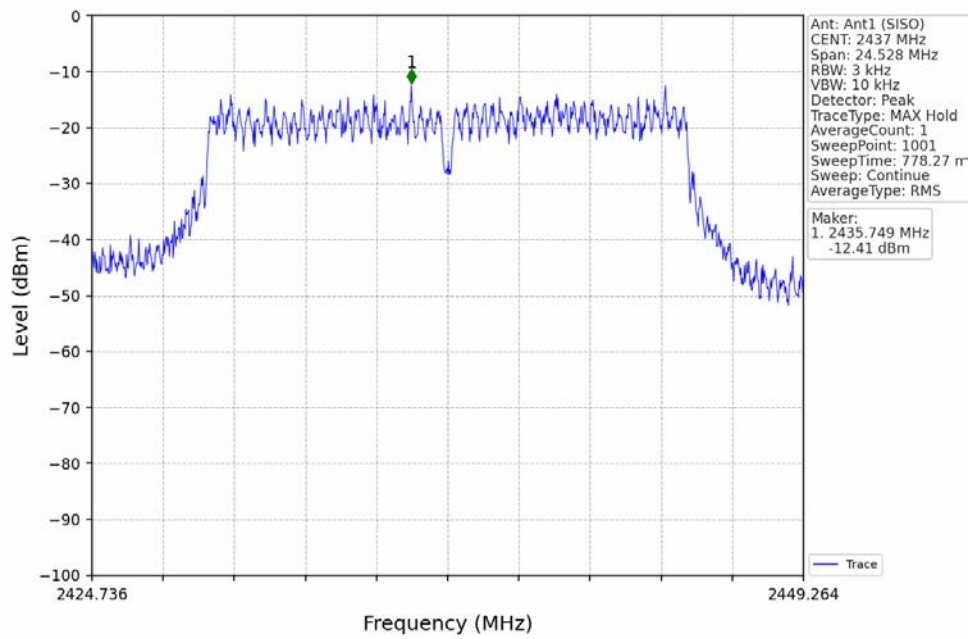
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



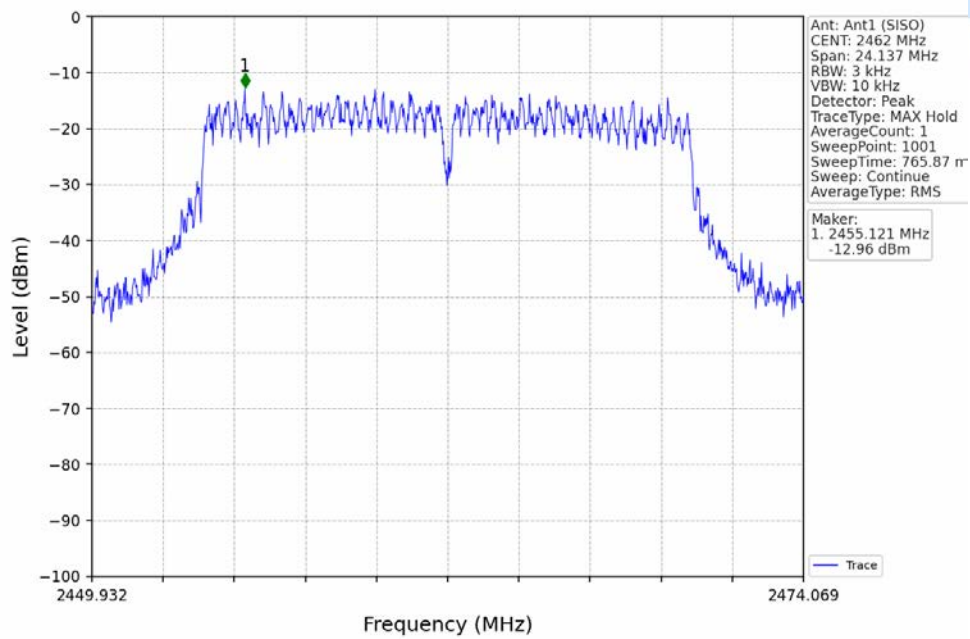
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



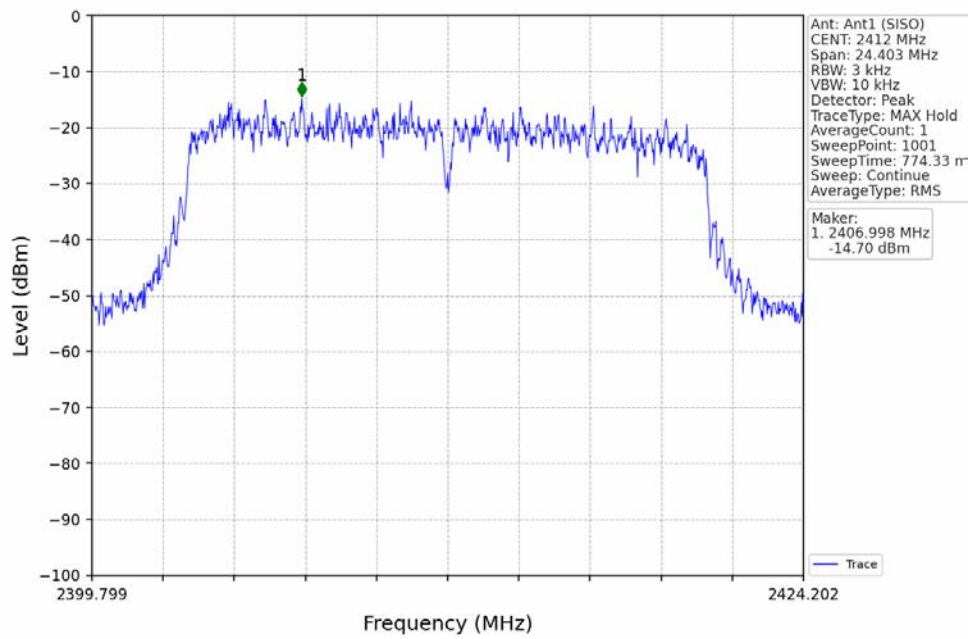
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



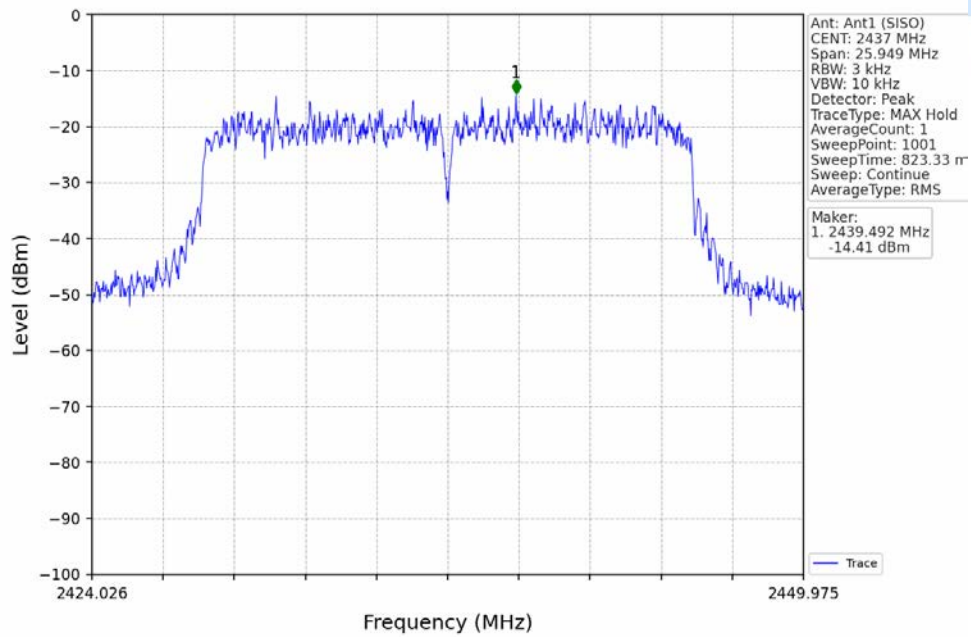
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



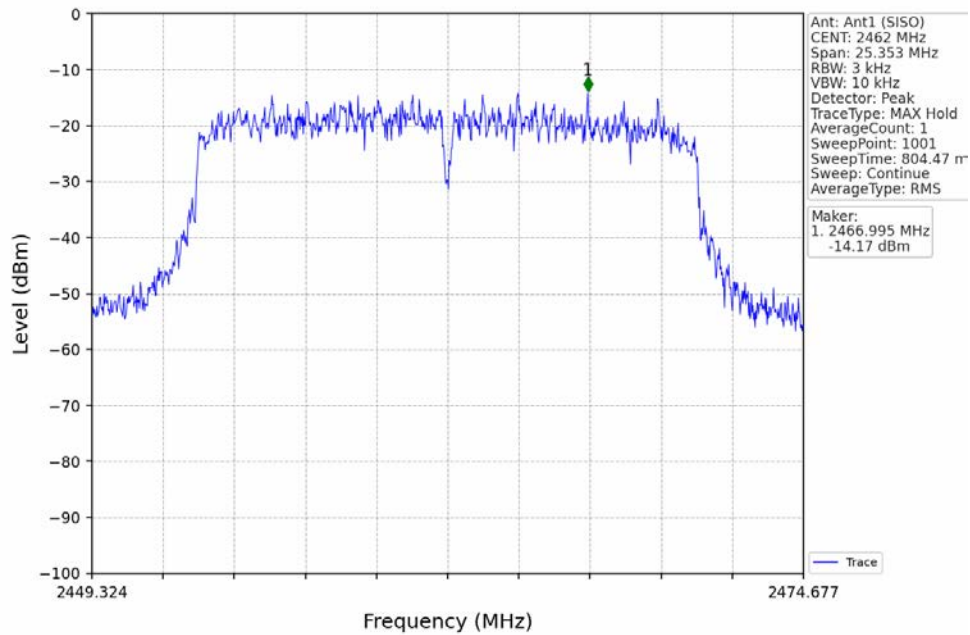
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



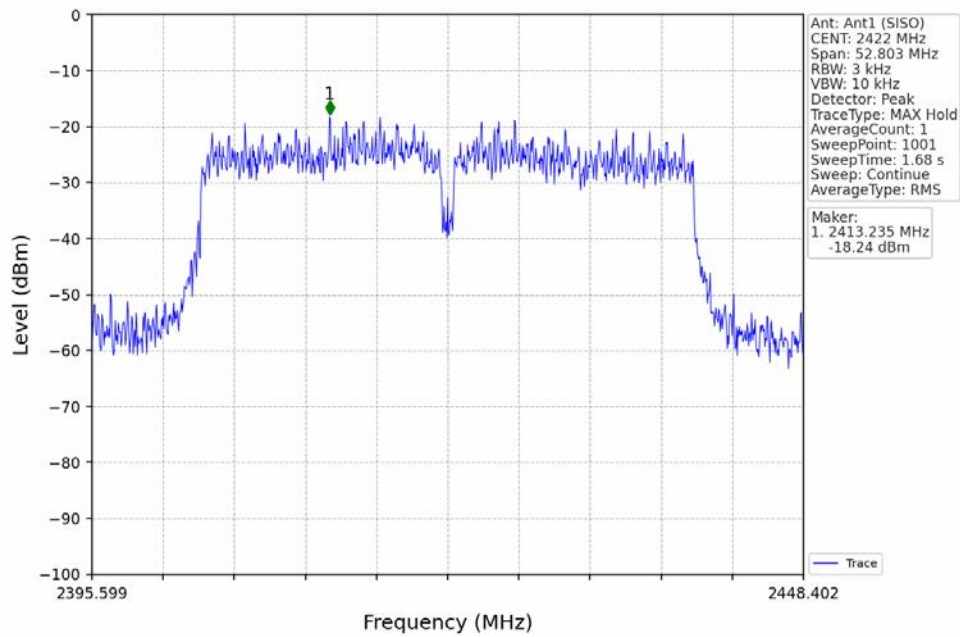
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



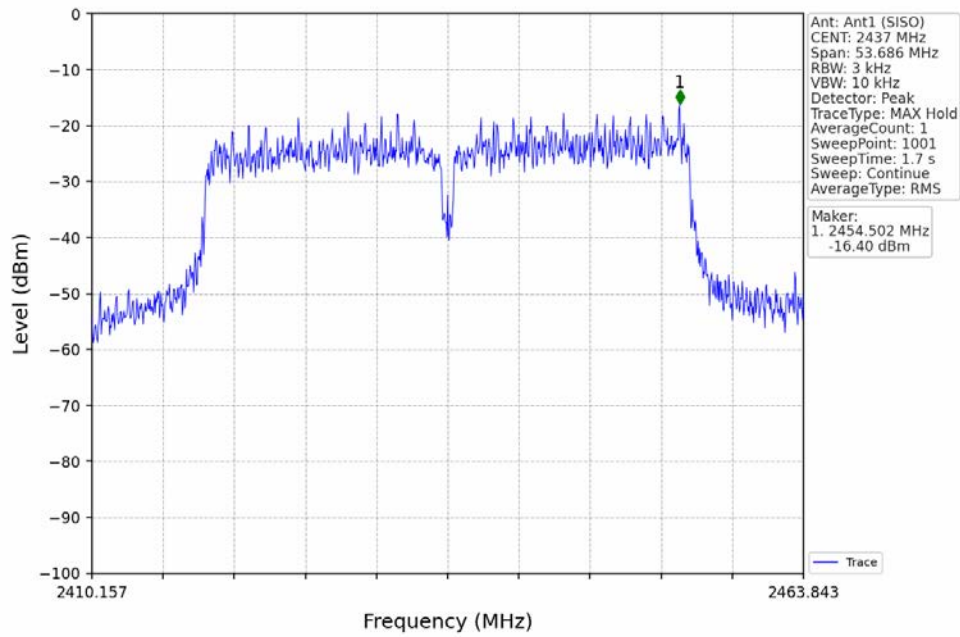
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



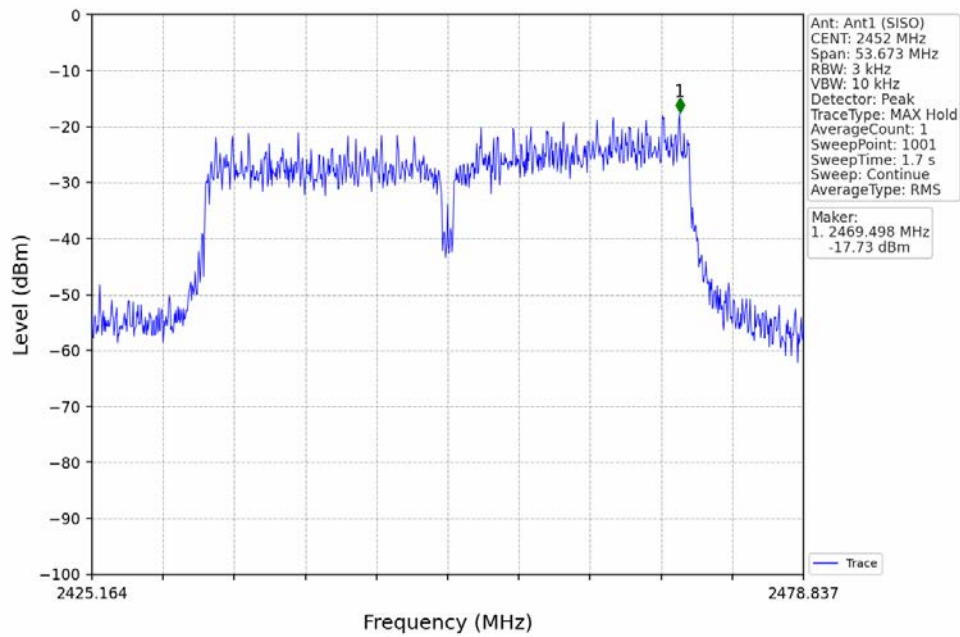
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

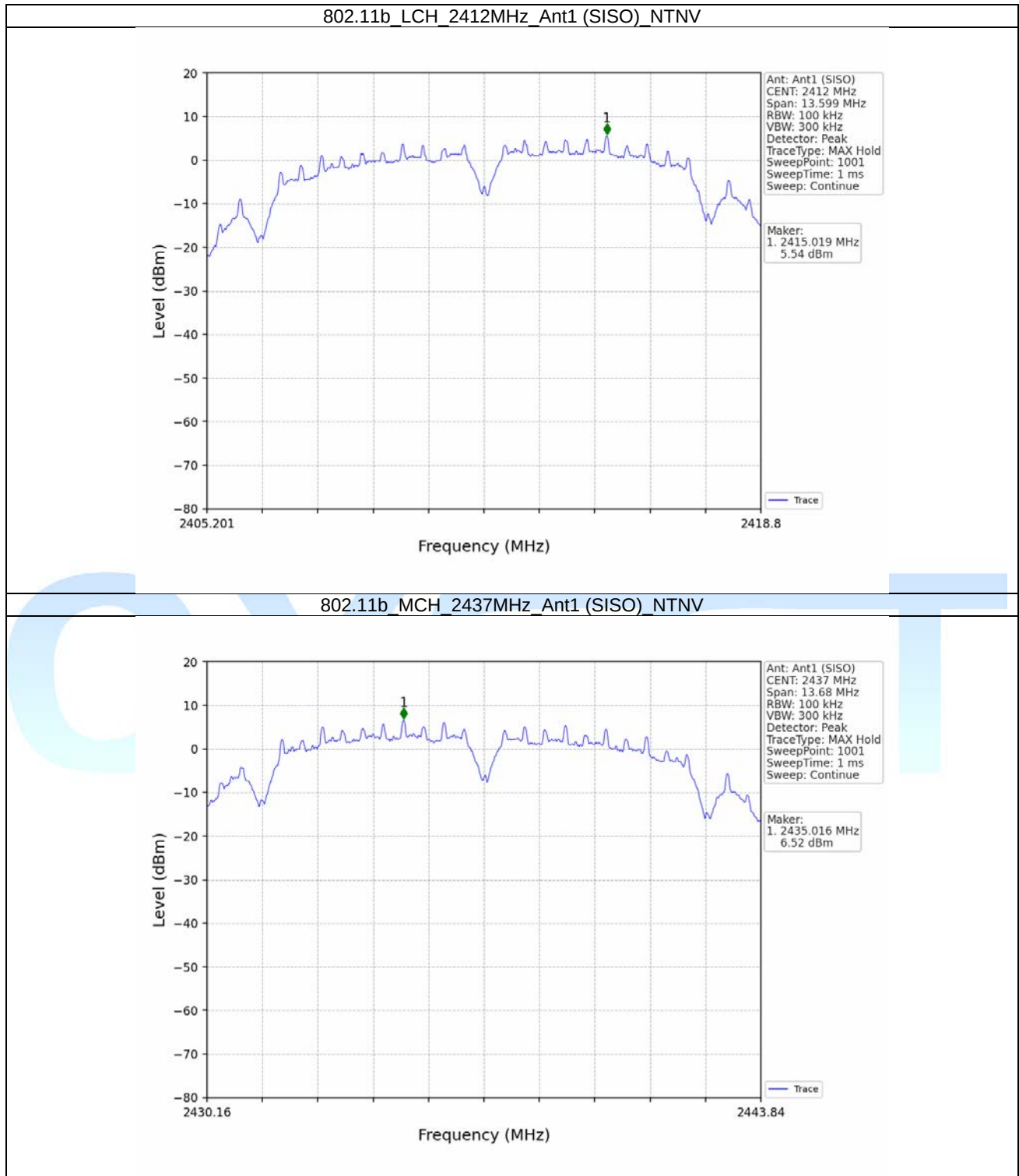
5.1 Ref

5.1.1 Test Result

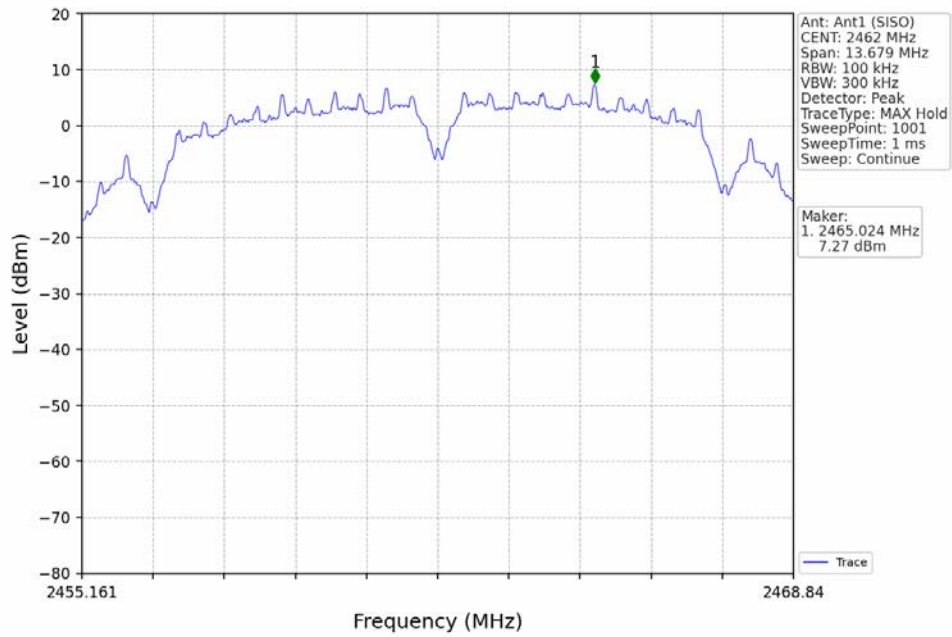
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.54
		2437	1	6.52
		2462	1	7.27
802.11g	SISO	2412	1	3.13
		2437	1	3.85
		2462	1	4.04
802.11n (HT20)	SISO	2412	1	1.84
		2437	1	2.57
		2462	1	2.69
802.11n (HT40)	SISO	2422	1	-0.52
		2437	1	0.60
		2452	1	0.00

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.

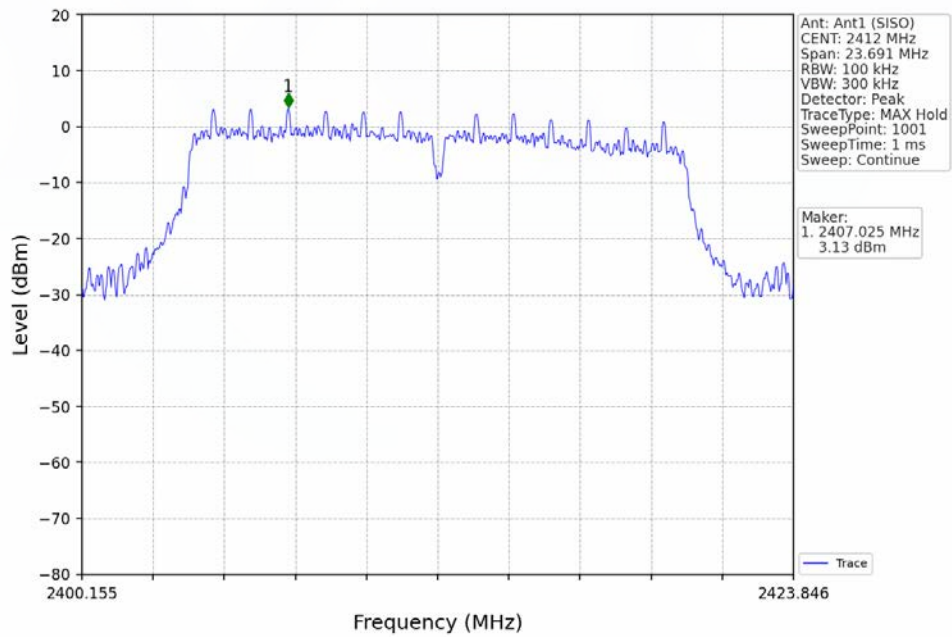
5.1.2 Test Graph



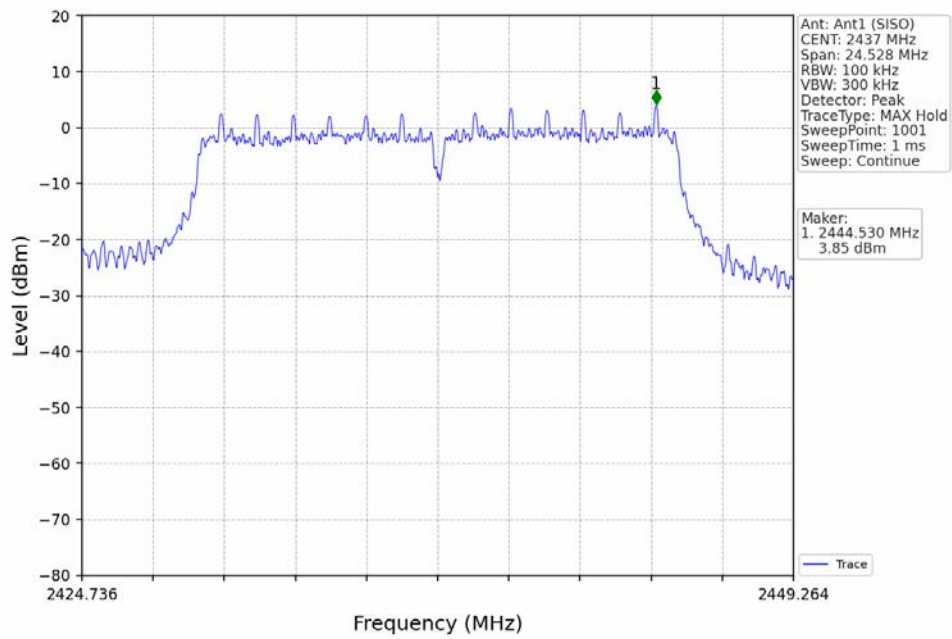
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



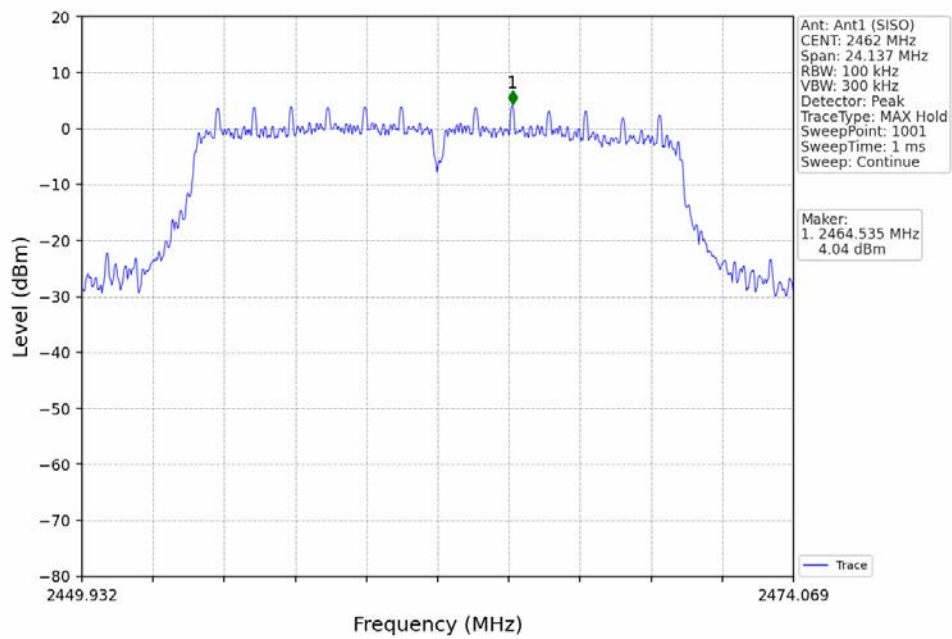
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



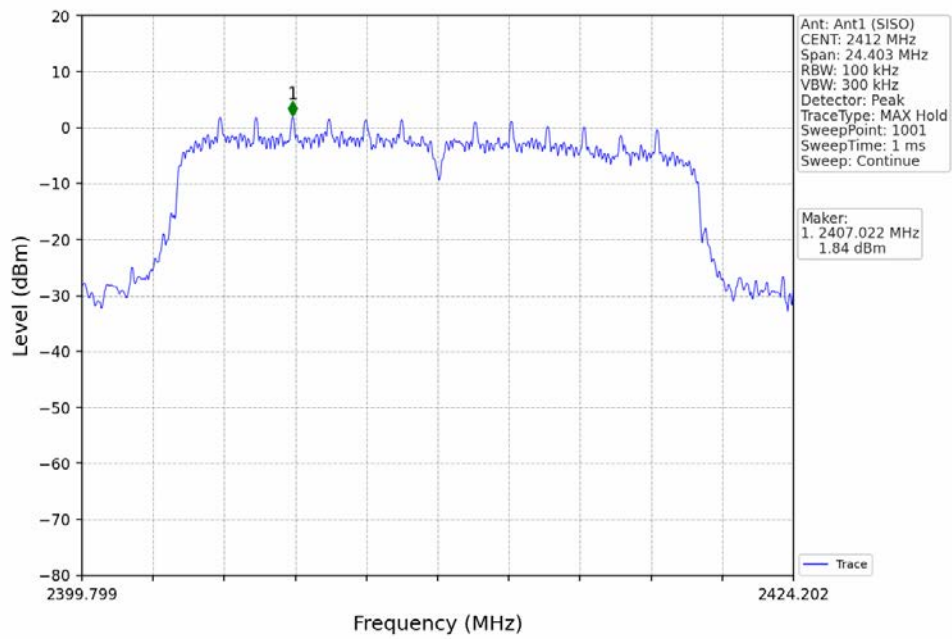
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



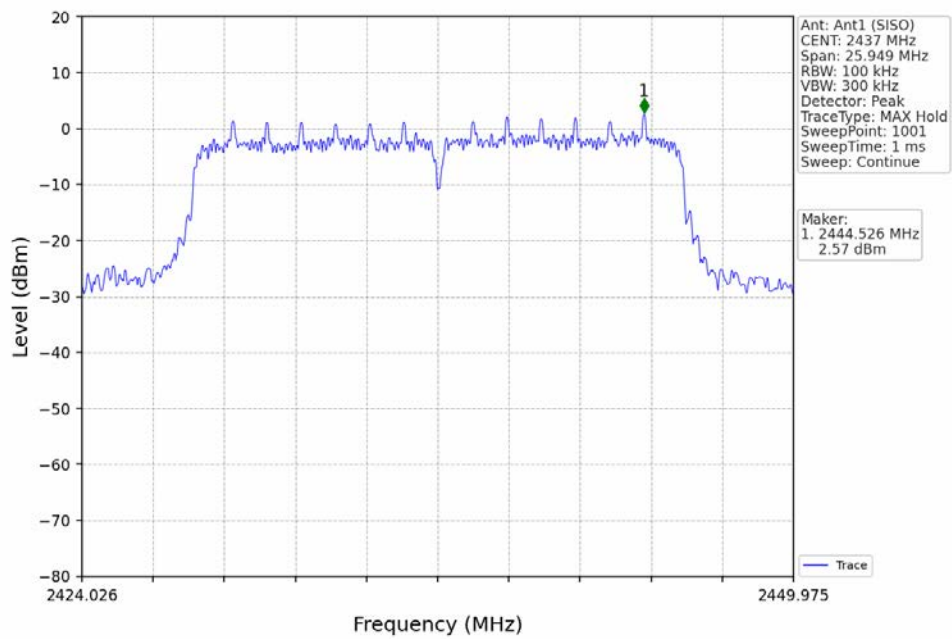
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



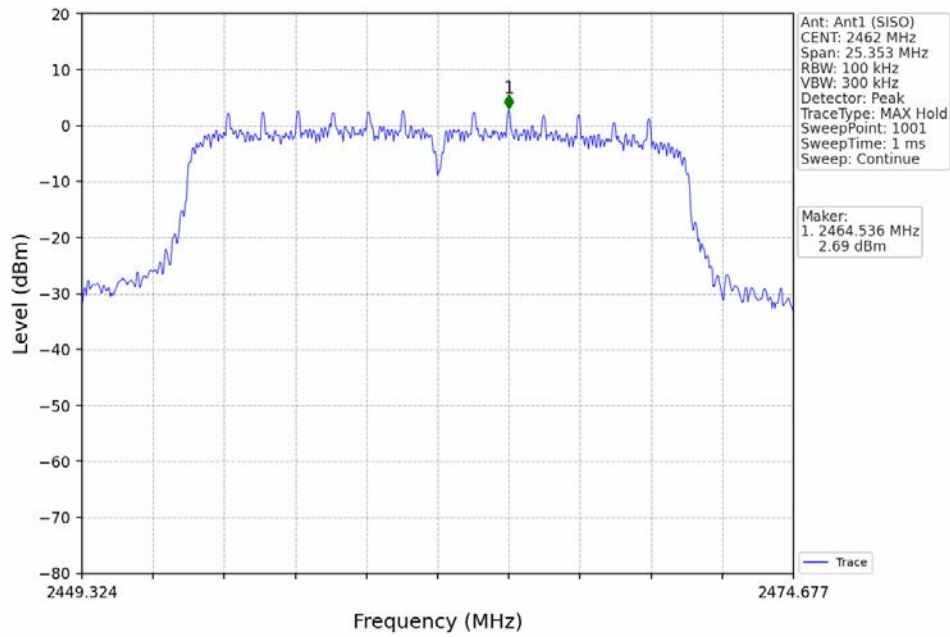
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



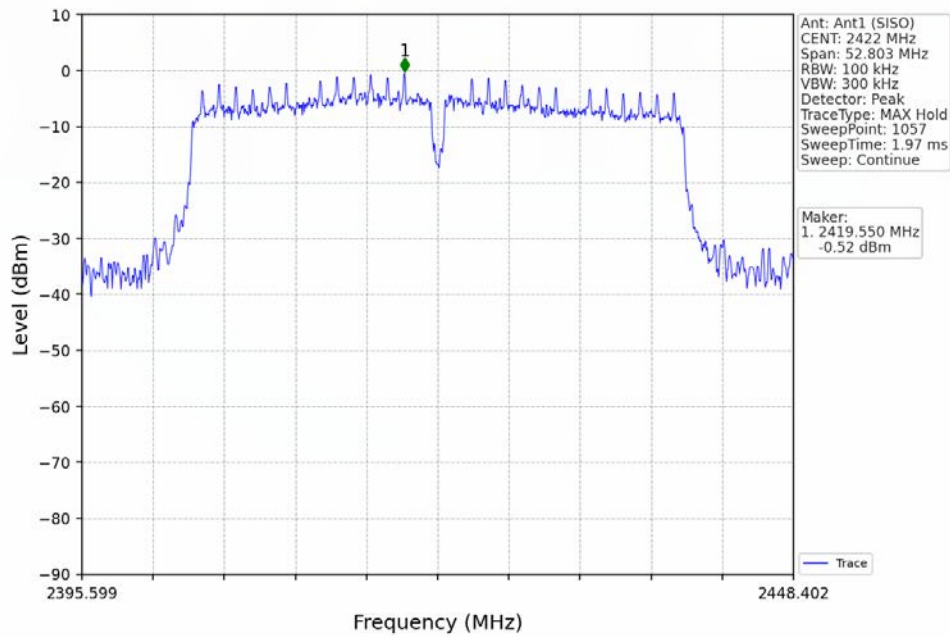
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



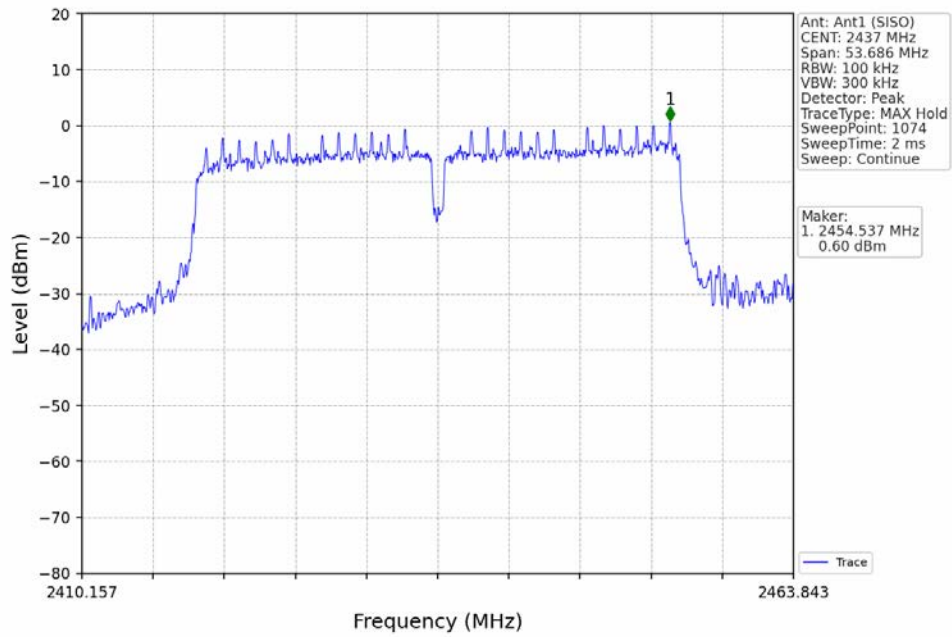
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



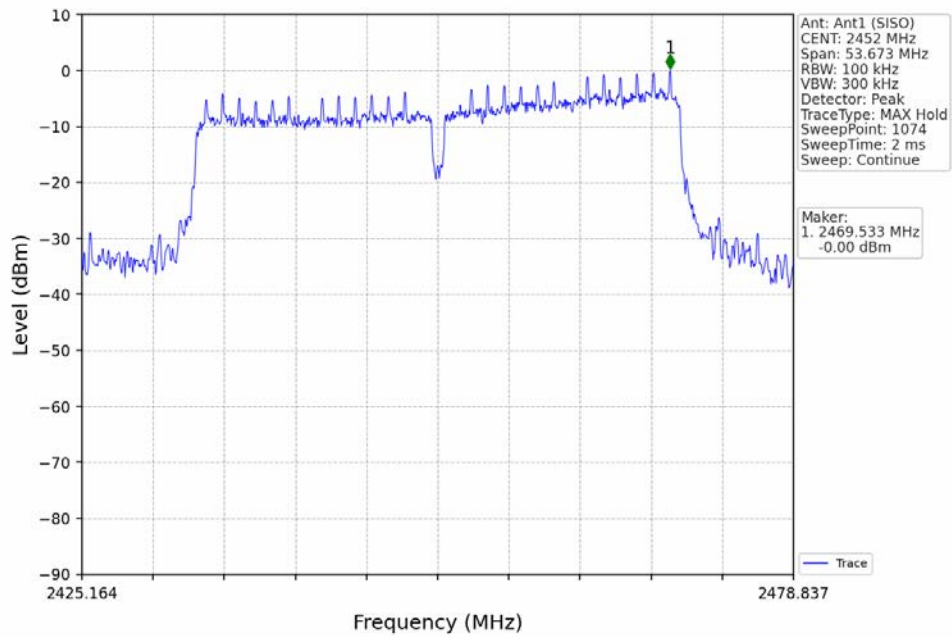
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



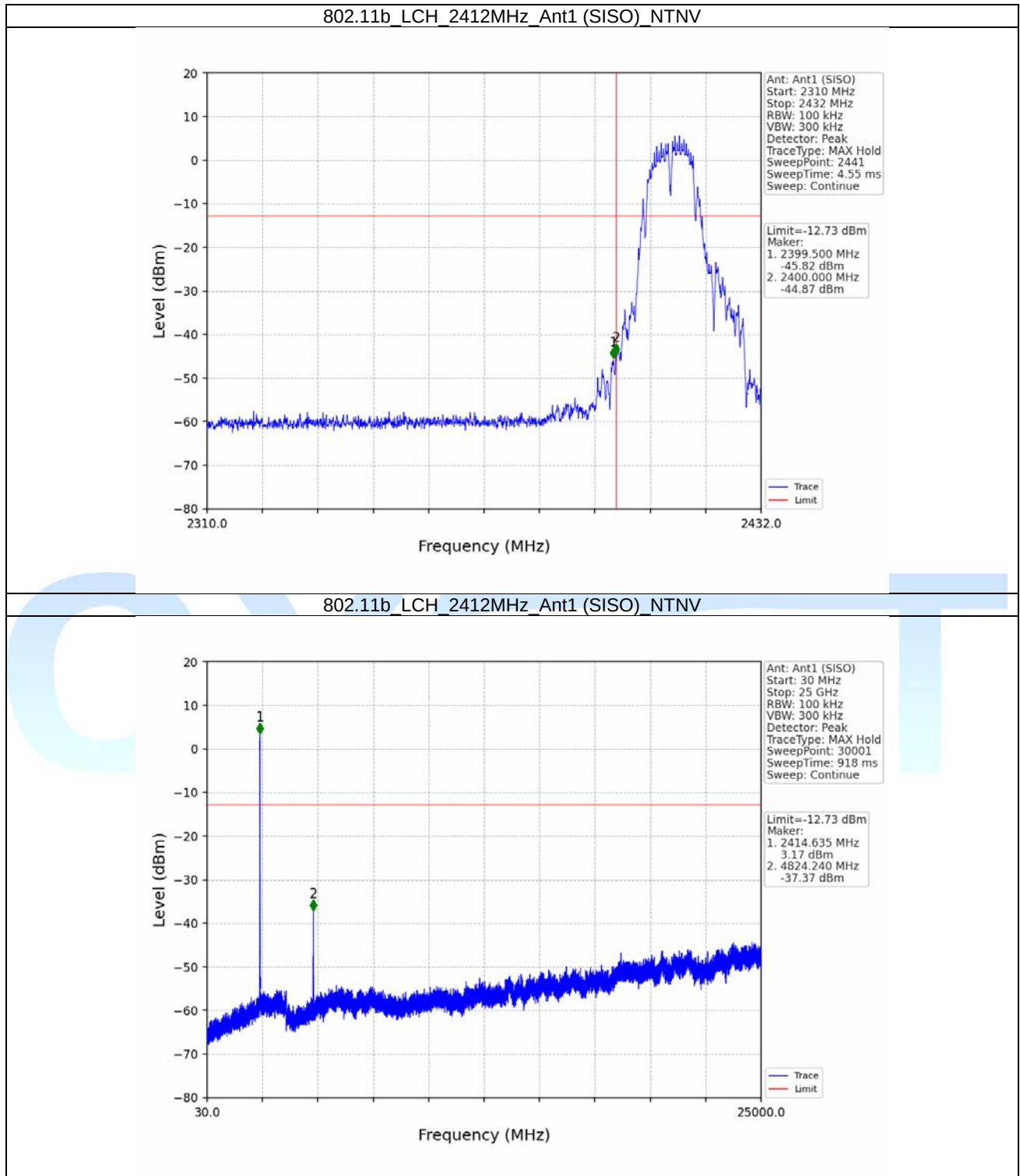
5.2 CSE

5.2.1 Test Result

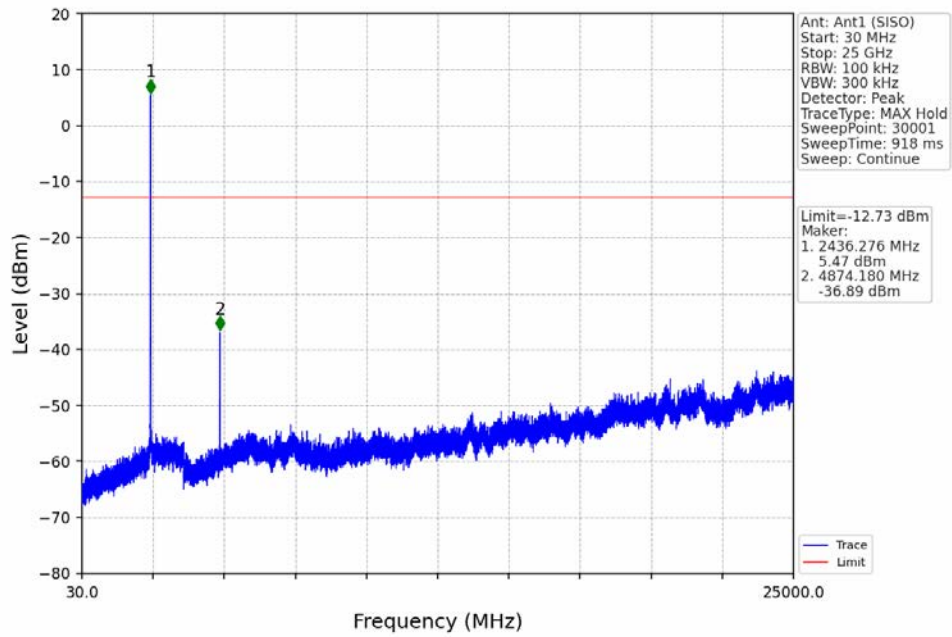
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	7.27	-12.73	Pass
		2437	1	7.27	-12.73	Pass
		2462	1	7.27	-12.73	Pass
802.11g	SISO	2412	1	4.04	-15.96	Pass
		2437	1	4.04	-15.96	Pass
		2462	1	4.04	-15.96	Pass
802.11n (HT20)	SISO	2412	1	2.69	-17.31	Pass
		2437	1	2.69	-17.31	Pass
		2462	1	2.69	-17.31	Pass
802.11n (HT40)	SISO	2422	1	0.60	-19.40	Pass
		2437	1	0.60	-19.40	Pass
		2452	1	0.60	-19.40	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.

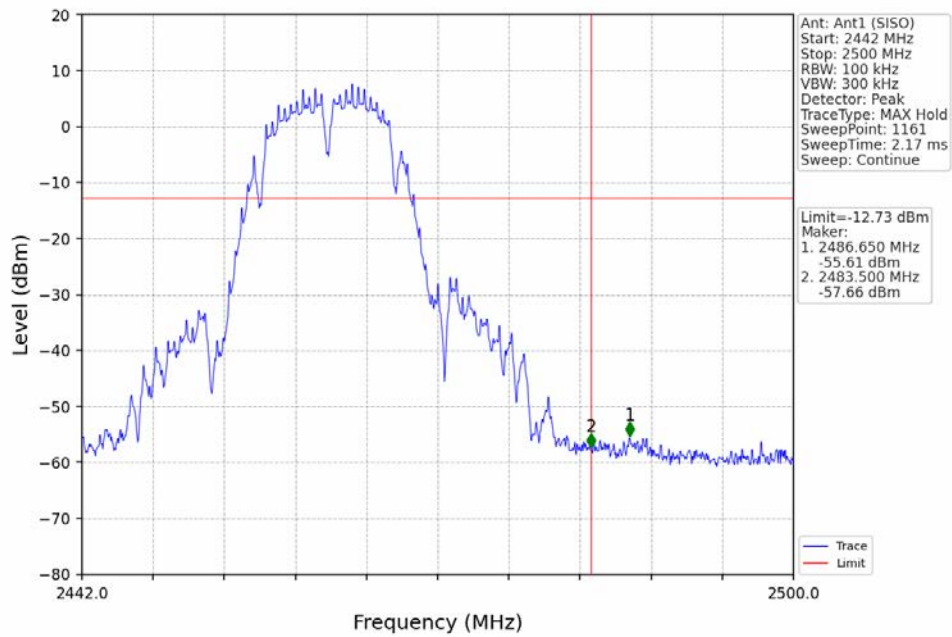
5.2.2 Test Graph



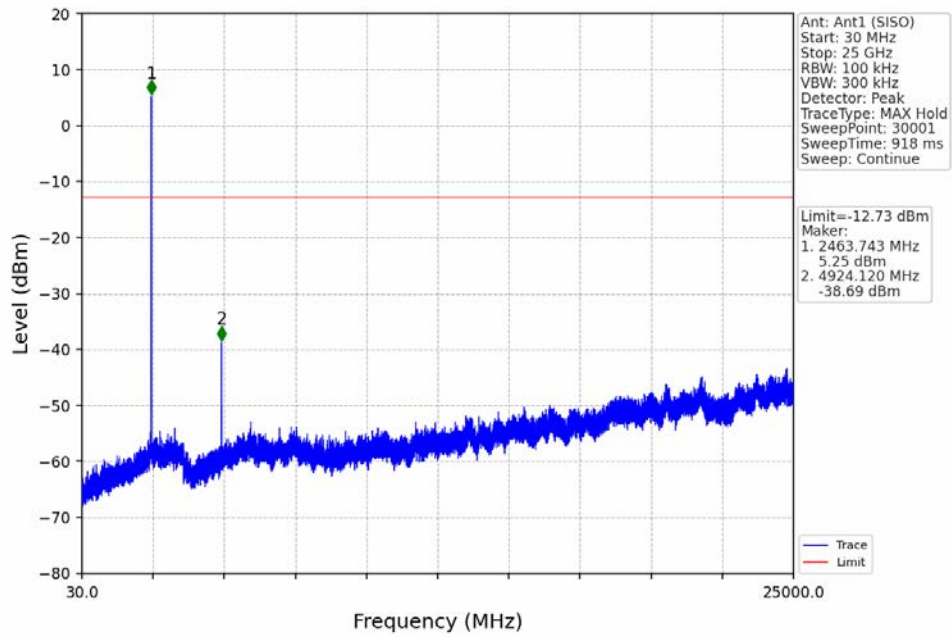
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



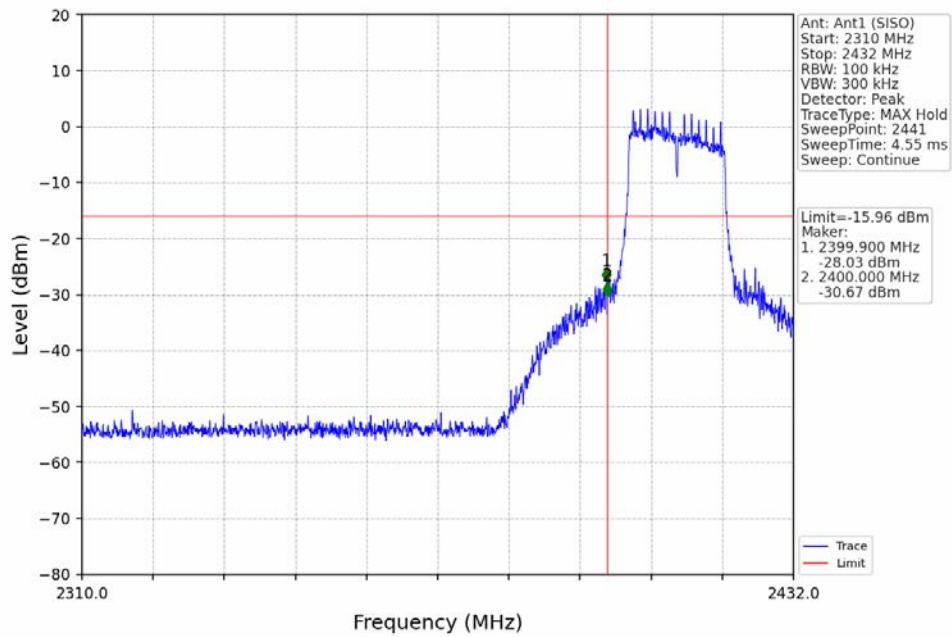
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



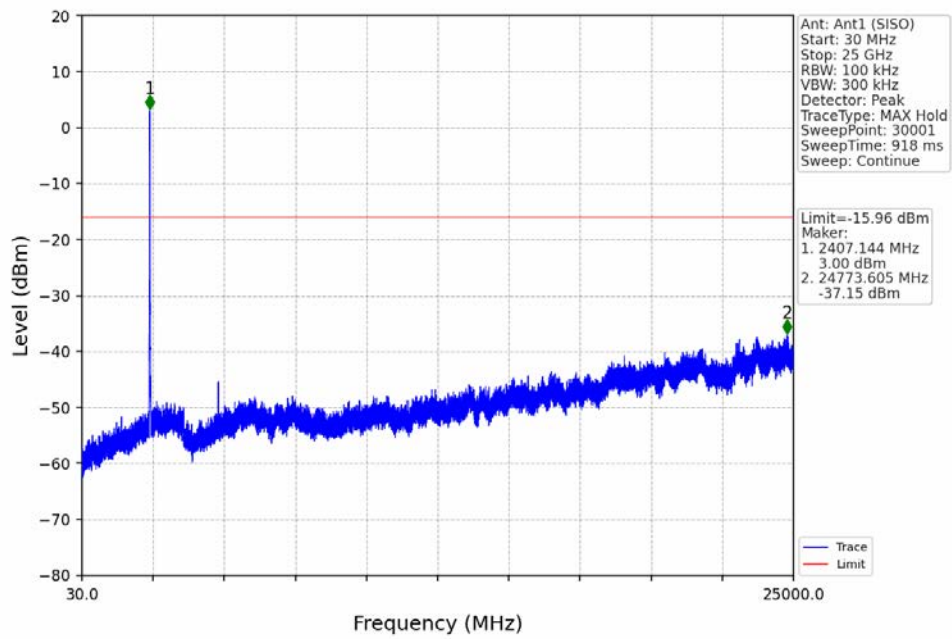
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



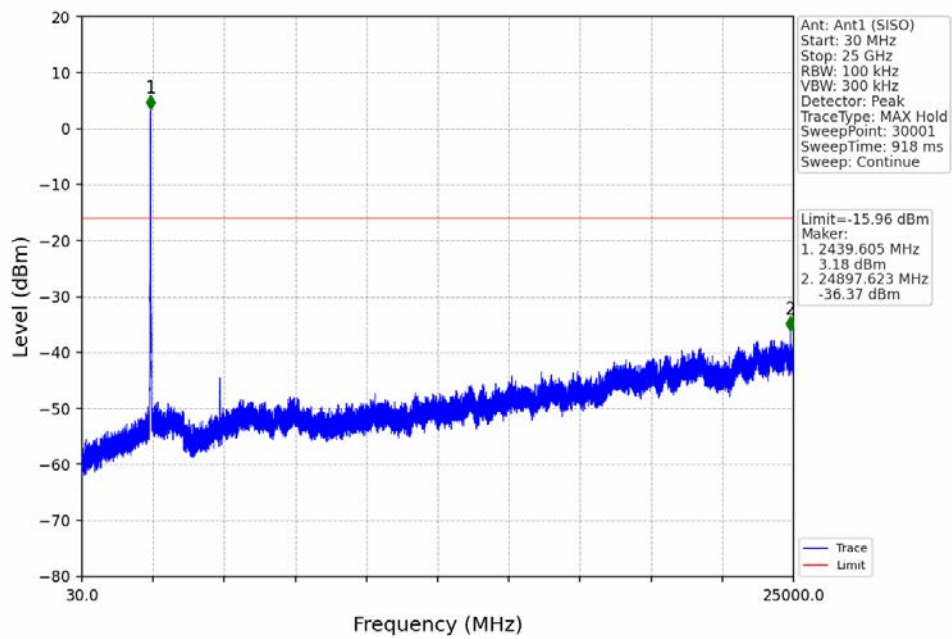
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



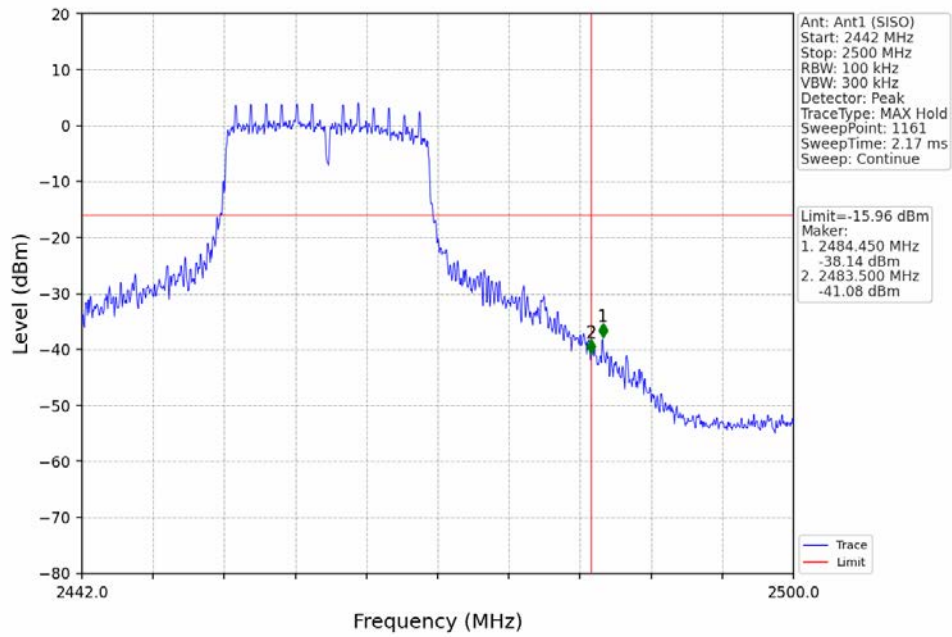
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



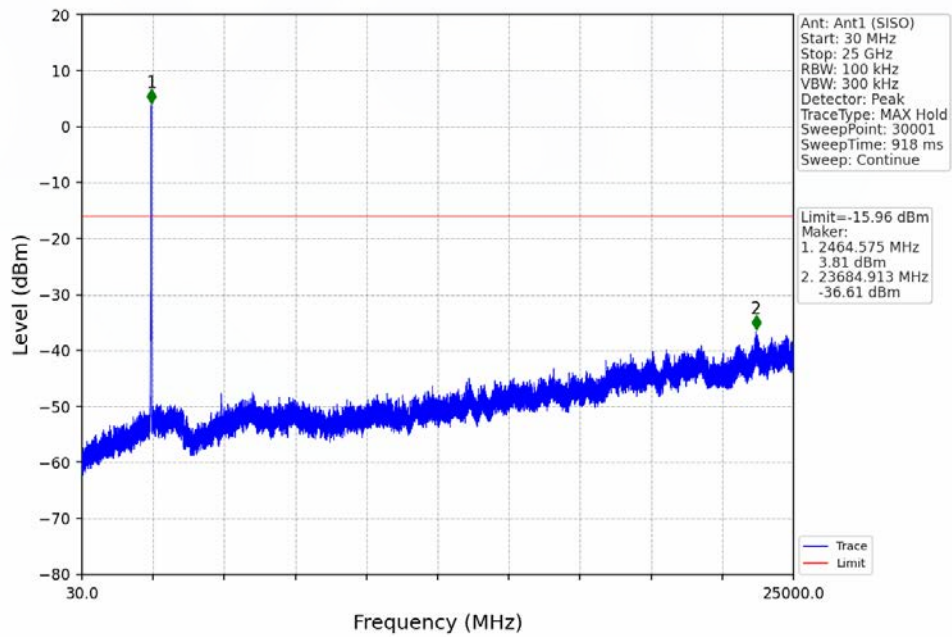
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



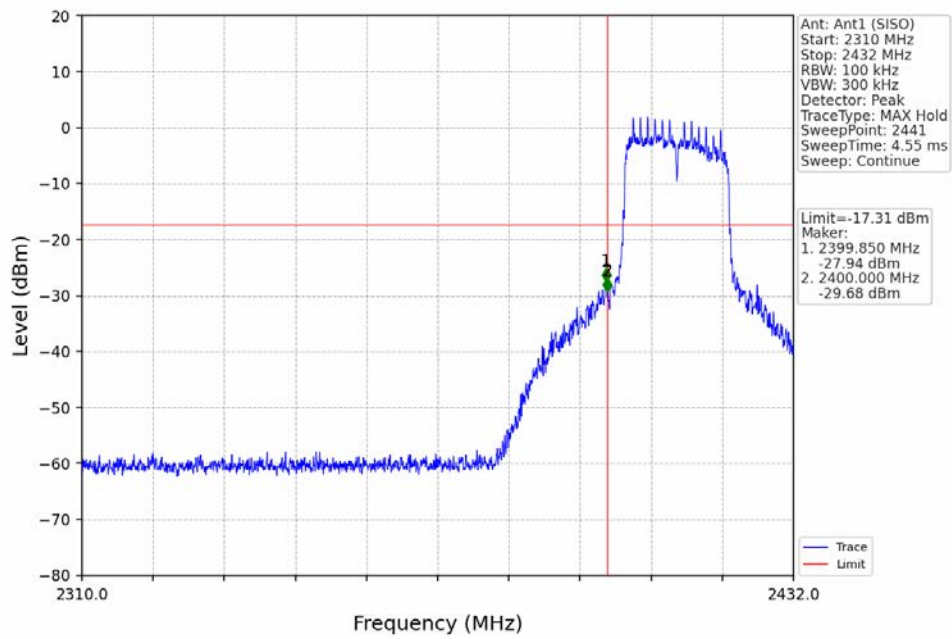
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



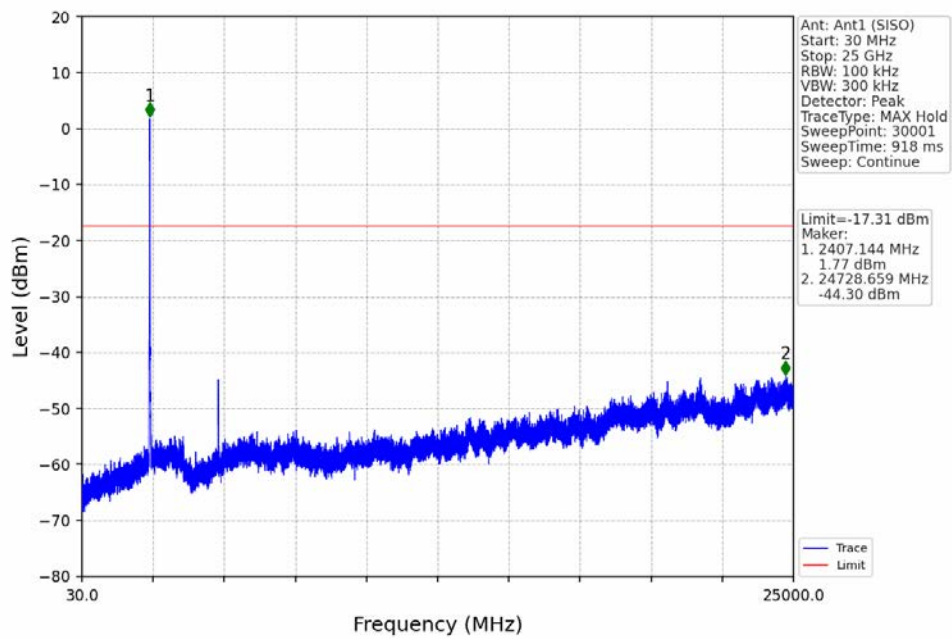
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



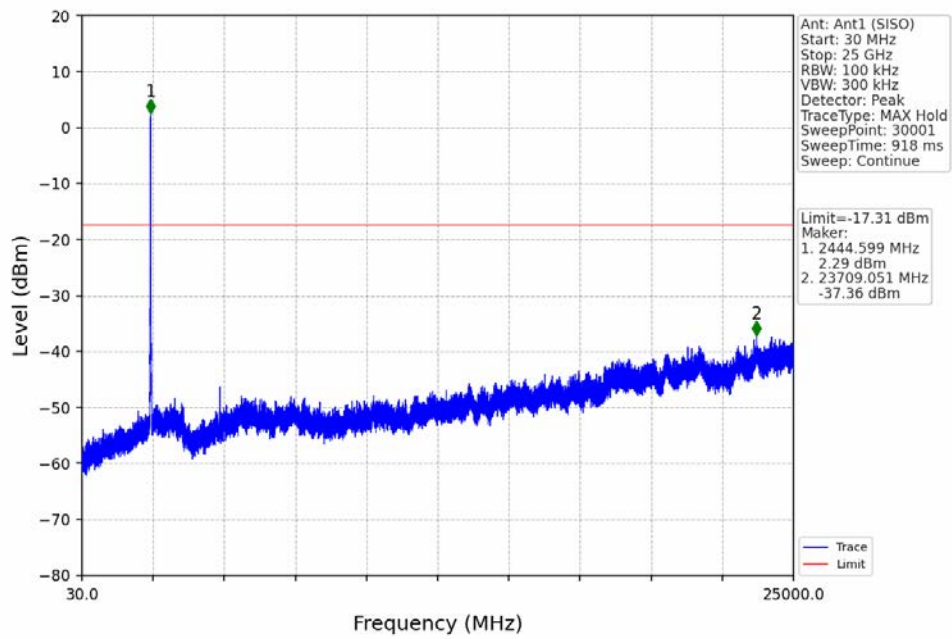
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



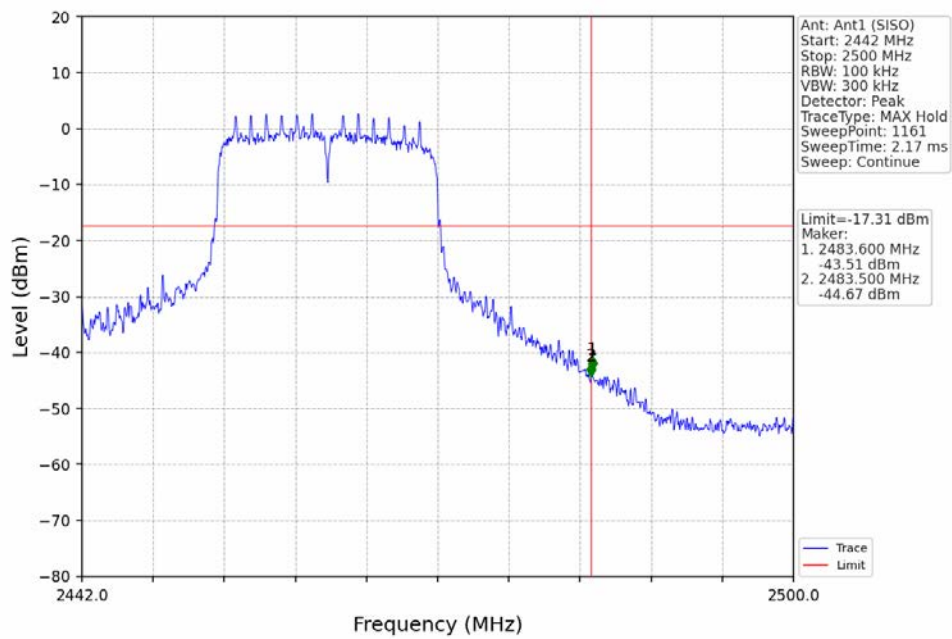
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



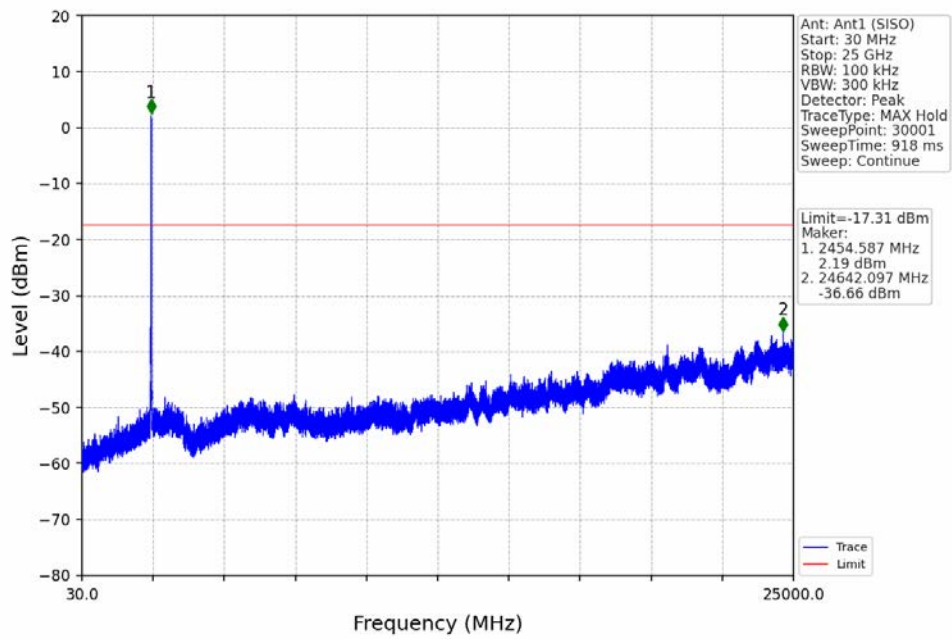
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



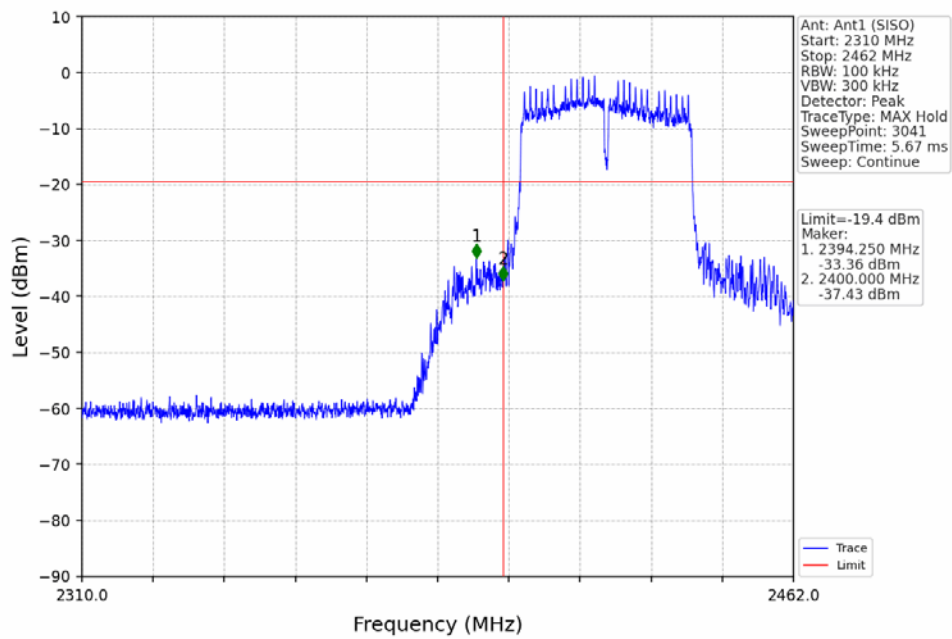
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



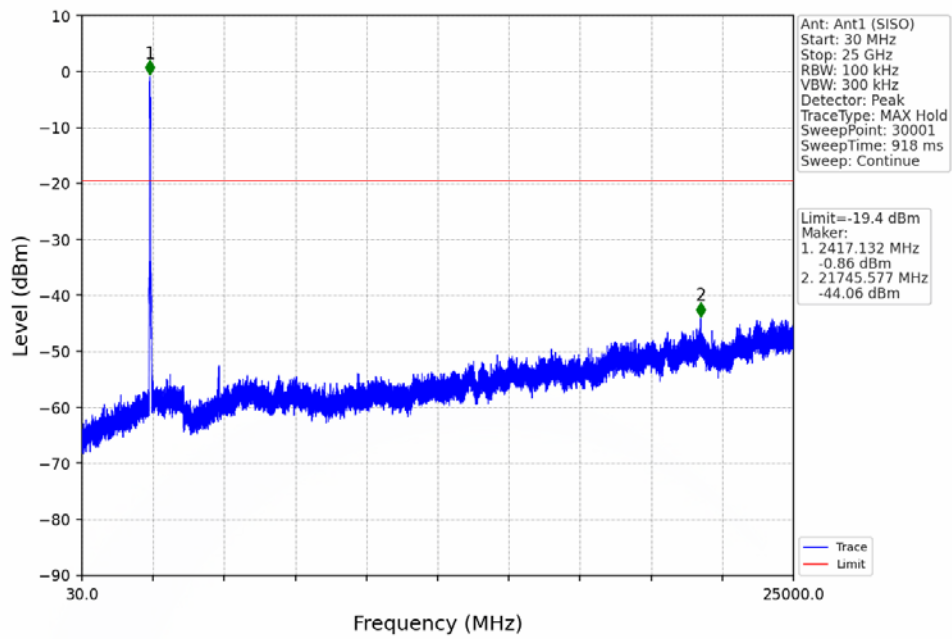
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



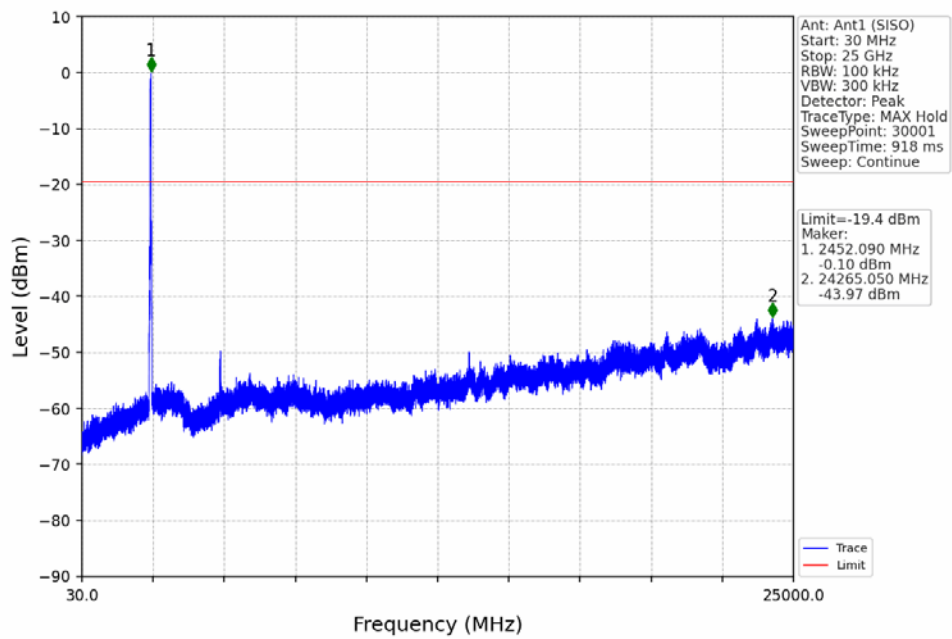
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



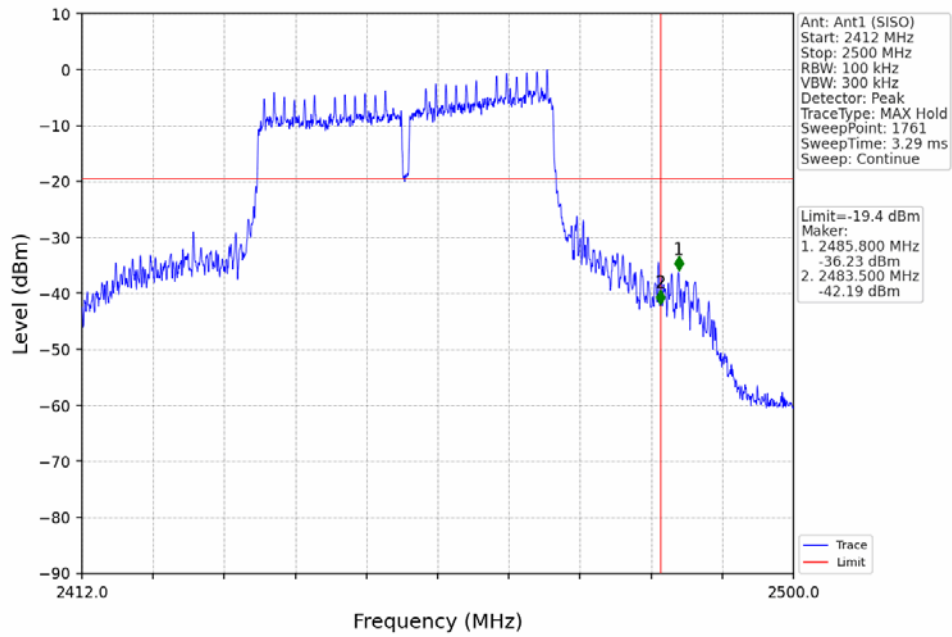
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



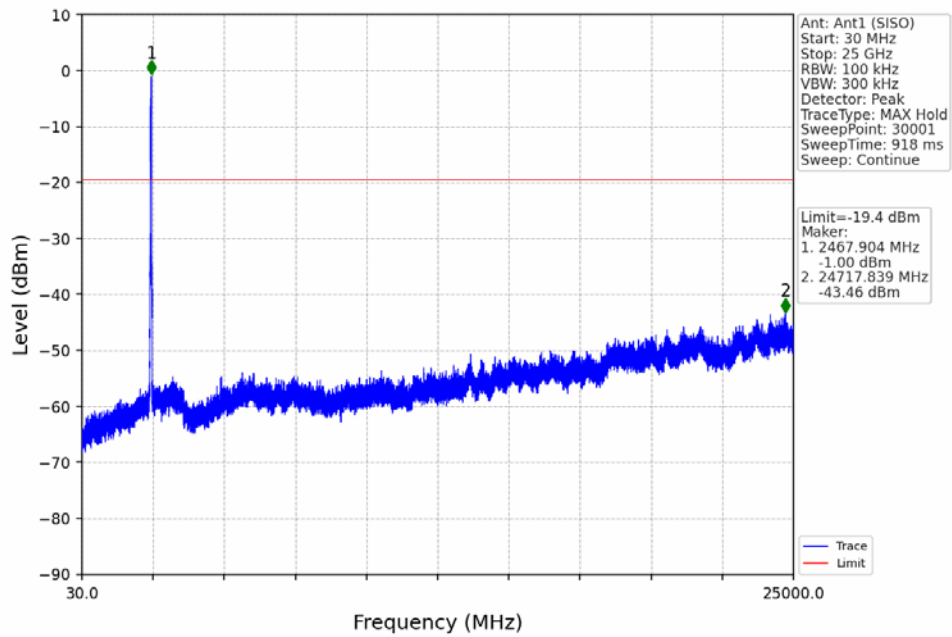
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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