

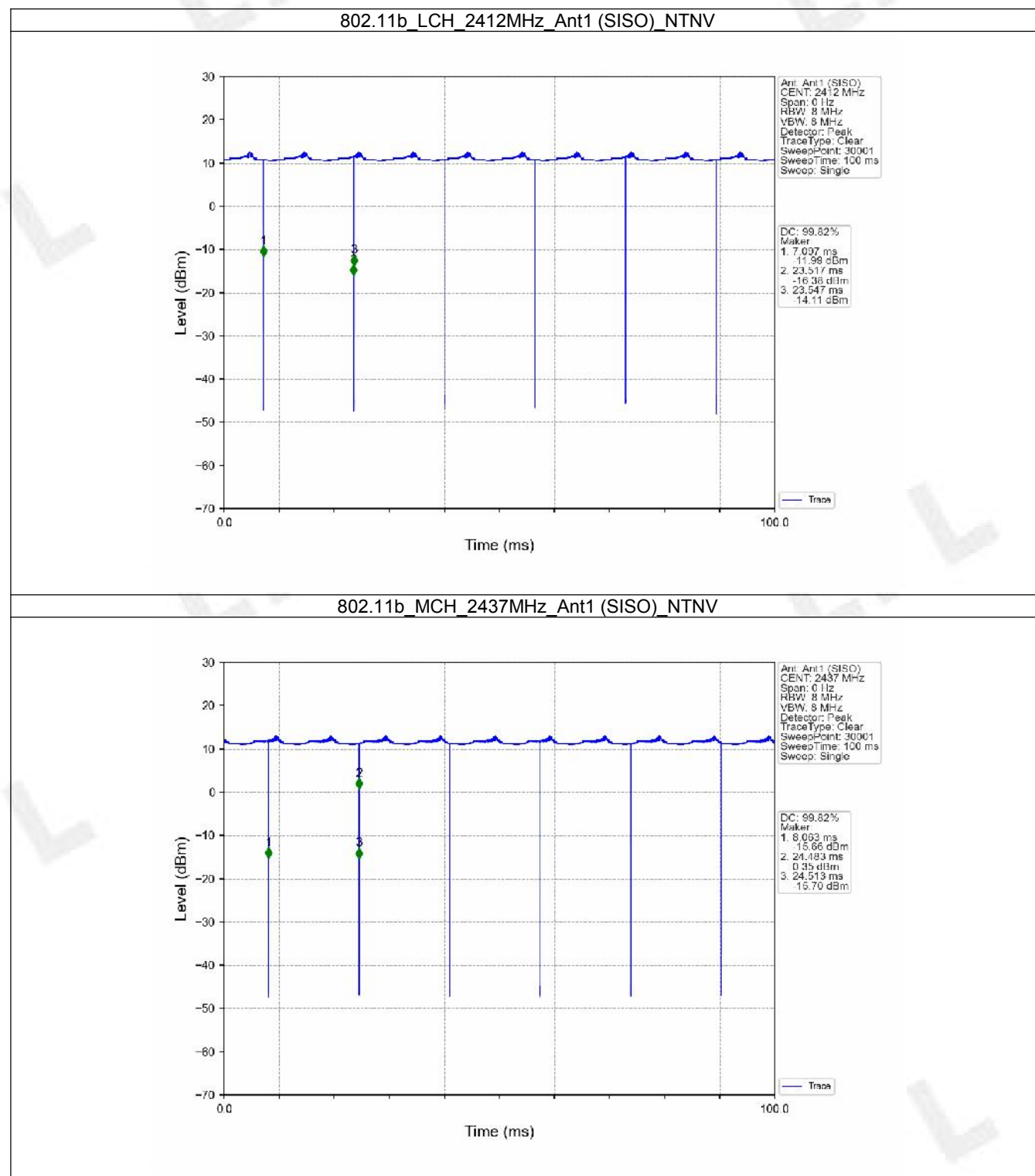
1. Duty Cycle

1.1 Ant1

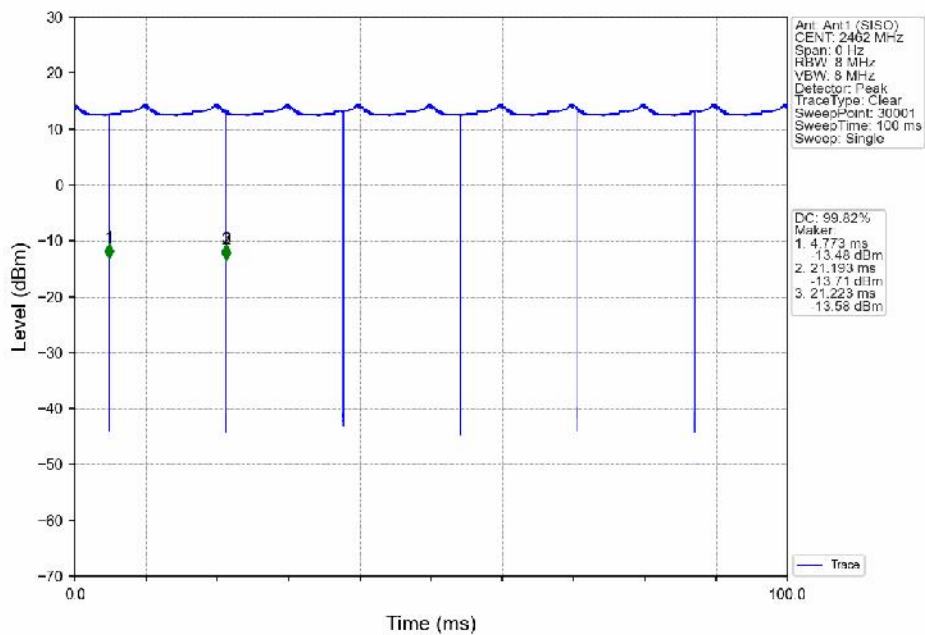
1.1.1 Test Result

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	16.420	16.450	99.82	0.01	0.00
		2437	16.420	16.450	99.82	0.01	0.00
		2462	16.420	16.450	99.82	0.01	0.00
802.11g	SISO	2412	2.731	2.766	98.73	0.06	0.00
		2437	2.730	2.766	98.70	0.06	0.04
		2462	2.731	2.766	98.73	0.06	0.00
802.11n (HT20)	SISO	2412	2.538	2.574	98.60	0.06	0.00
		2437	2.538	2.574	98.60	0.06	0.00
		2462	2.538	2.574	98.60	0.06	0.03

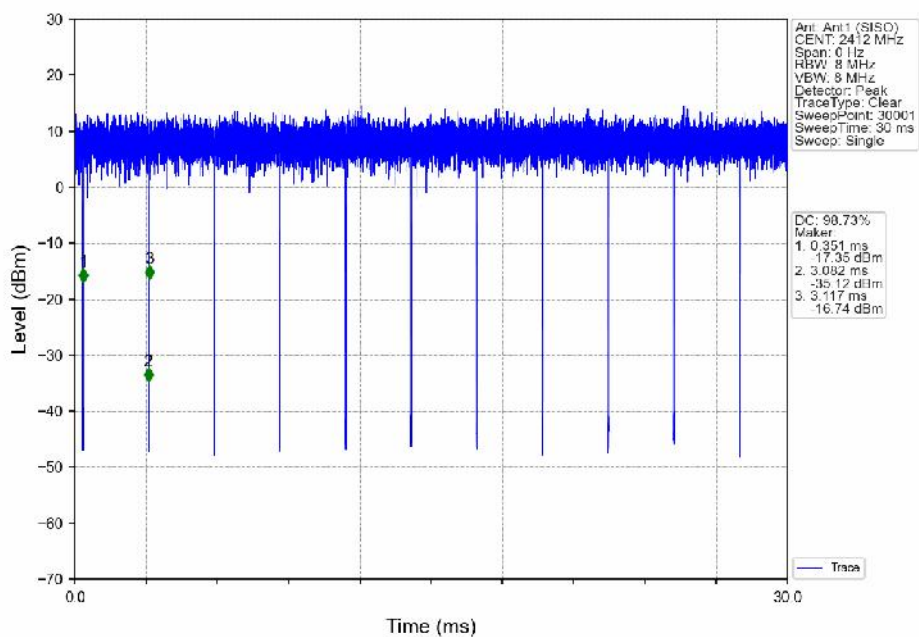
1.1.2 Test Graph



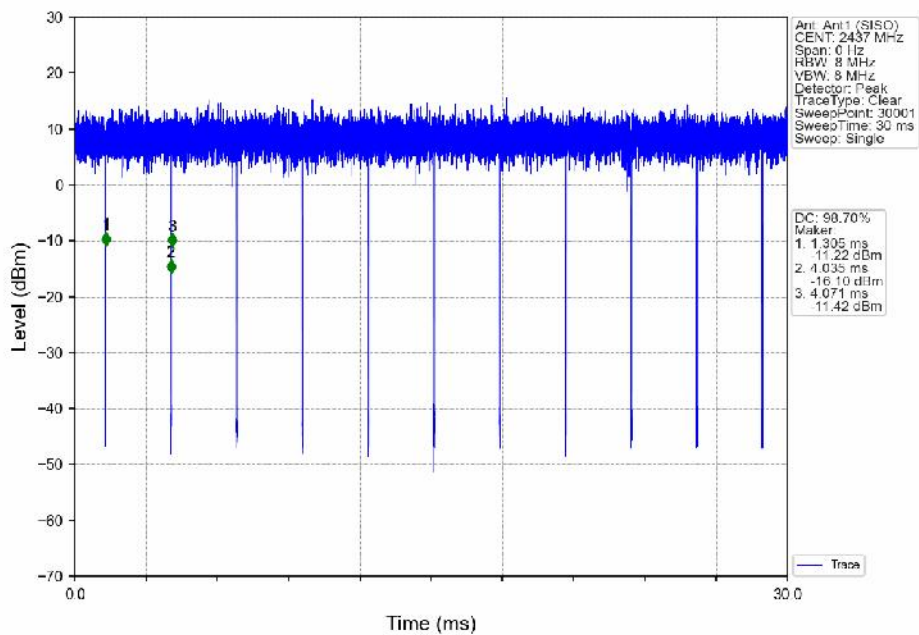
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



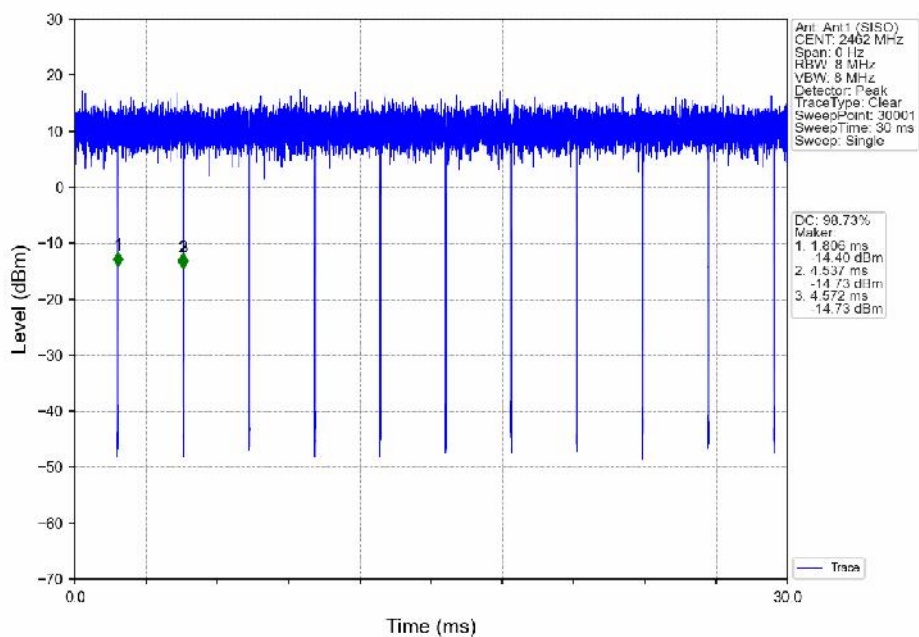
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



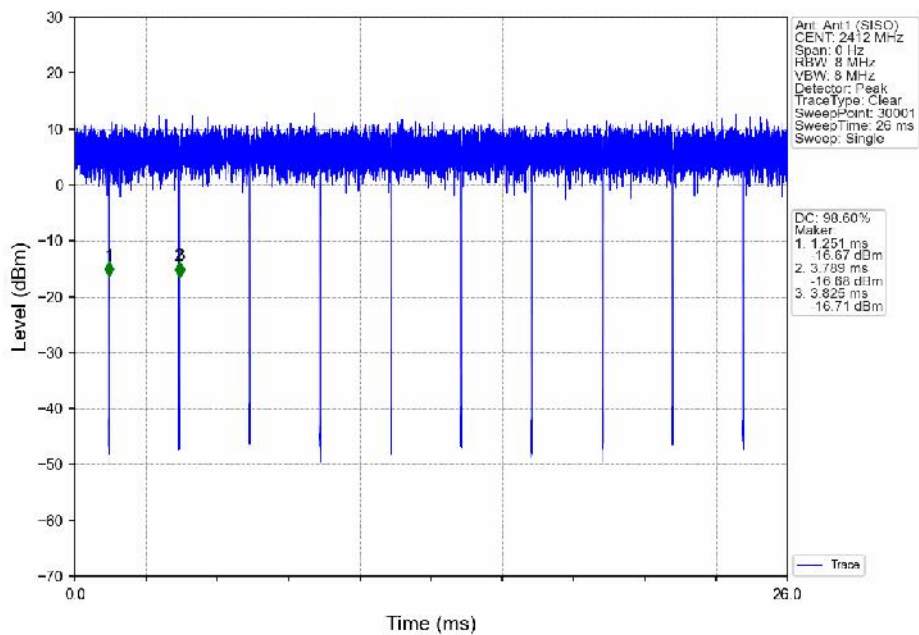
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



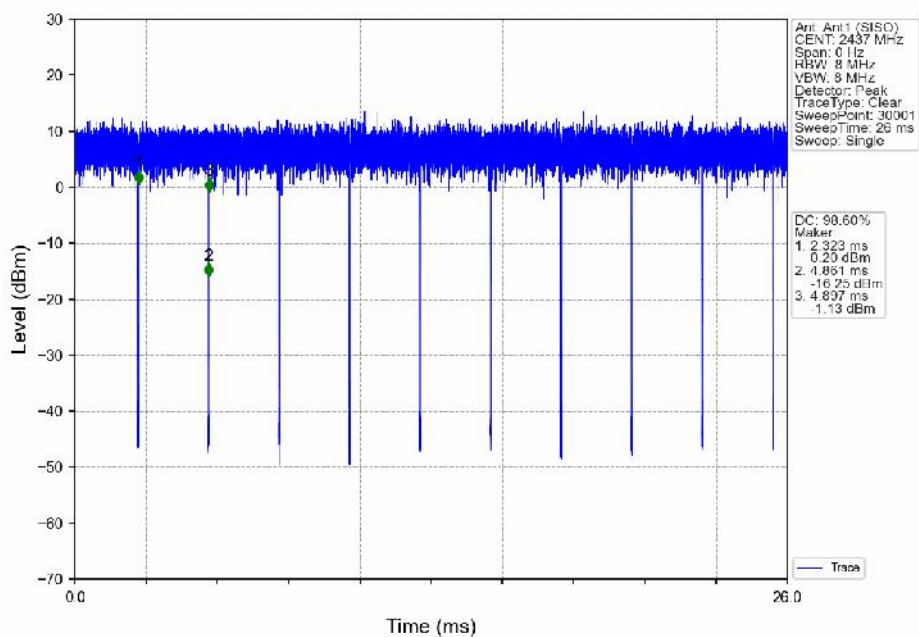
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



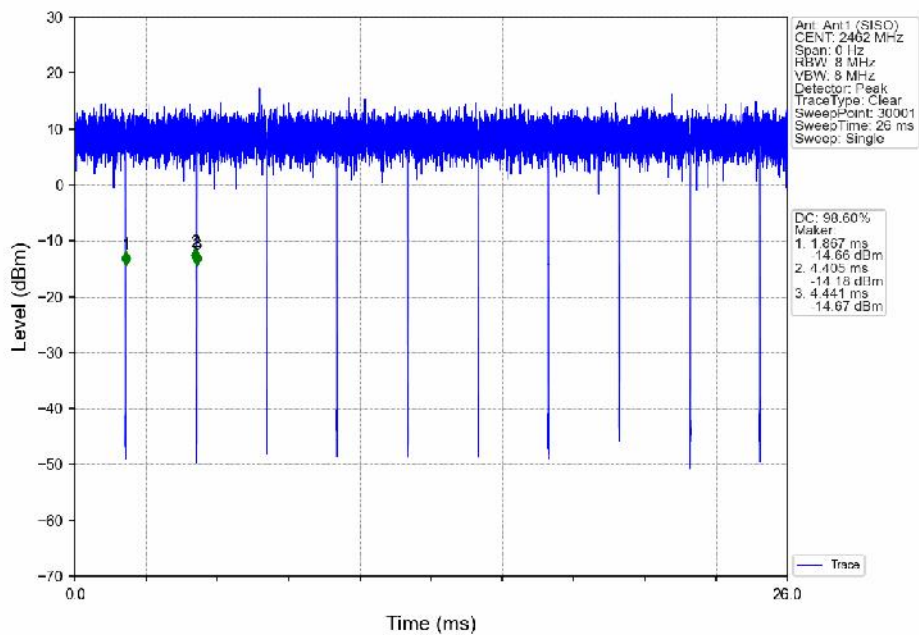
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



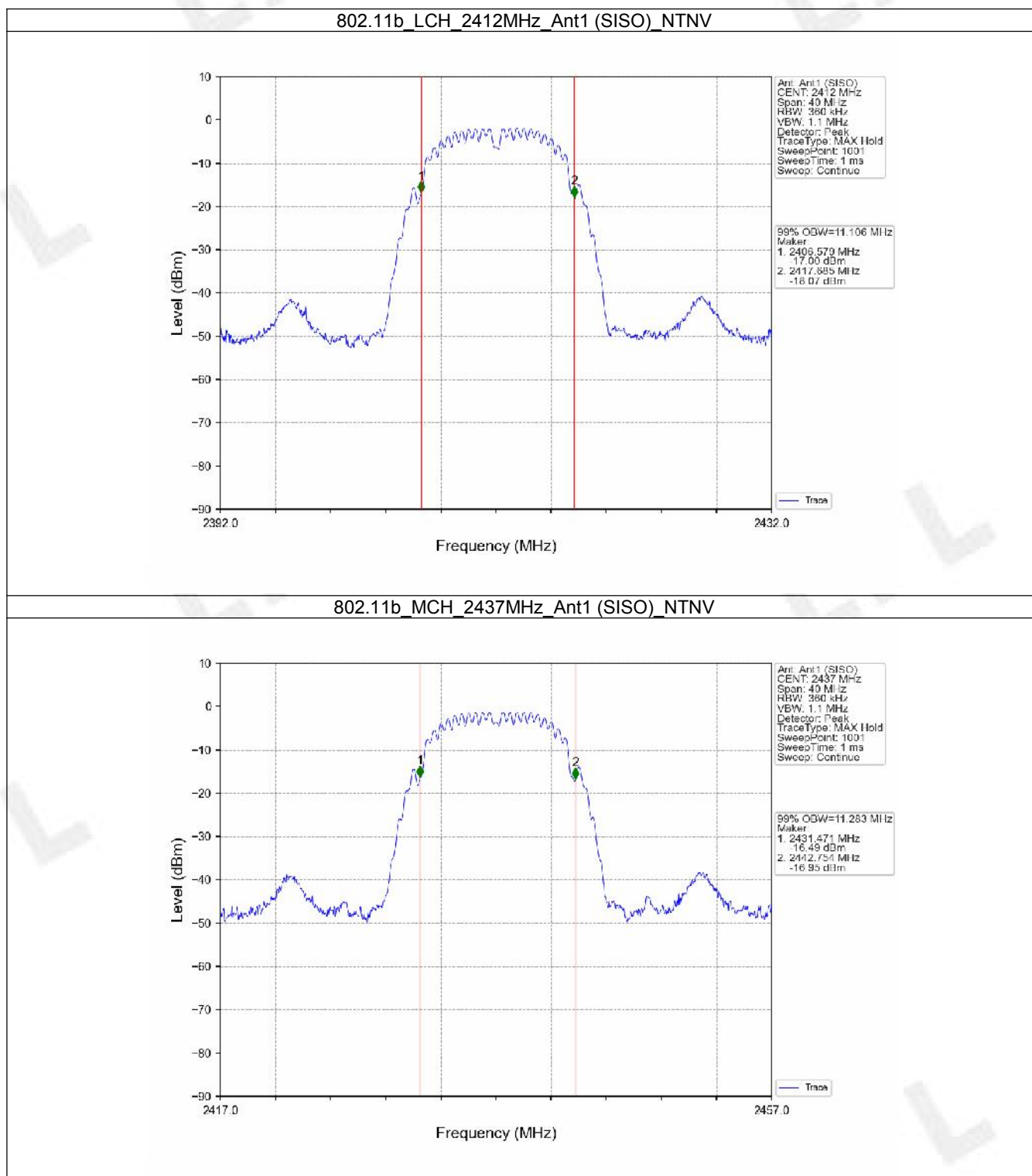
2. Bandwidth

2.1 OBW

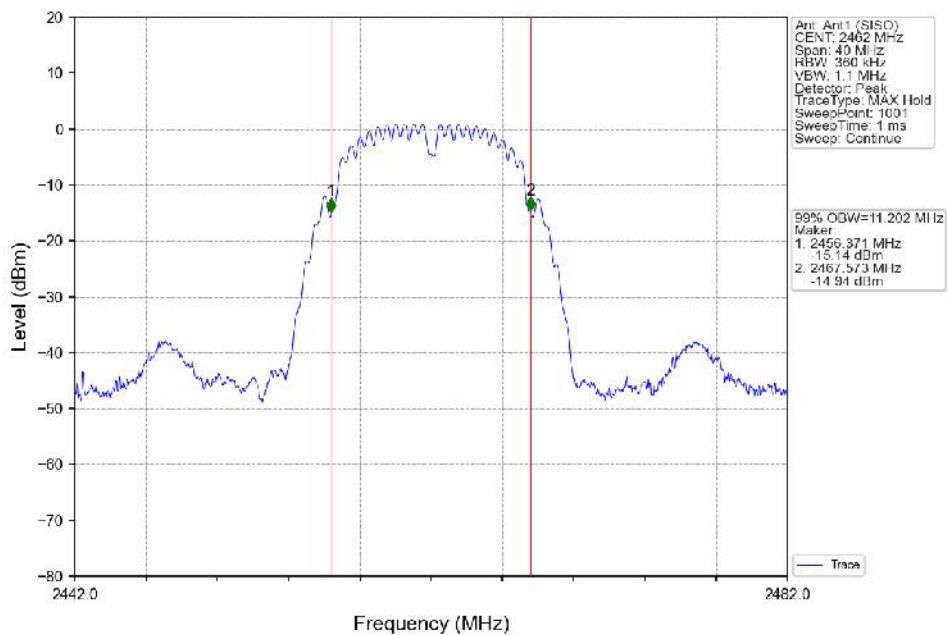
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	11.106	Pass
		2437	1	11.283	Pass
		2462	1	11.202	Pass
802.11g	SISO	2412	1	17.088	Pass
		2437	1	17.253	Pass
		2462	1	17.209	Pass
802.11n (HT20)	SISO	2412	1	17.978	Pass
		2437	1	18.074	Pass
		2462	1	18.018	Pass

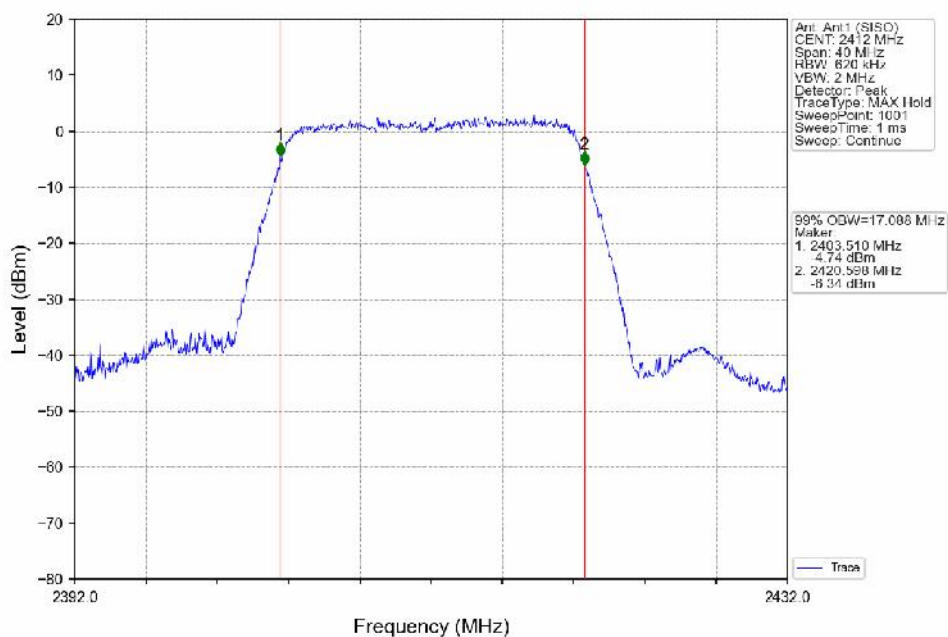
2.1.2 Test Graph



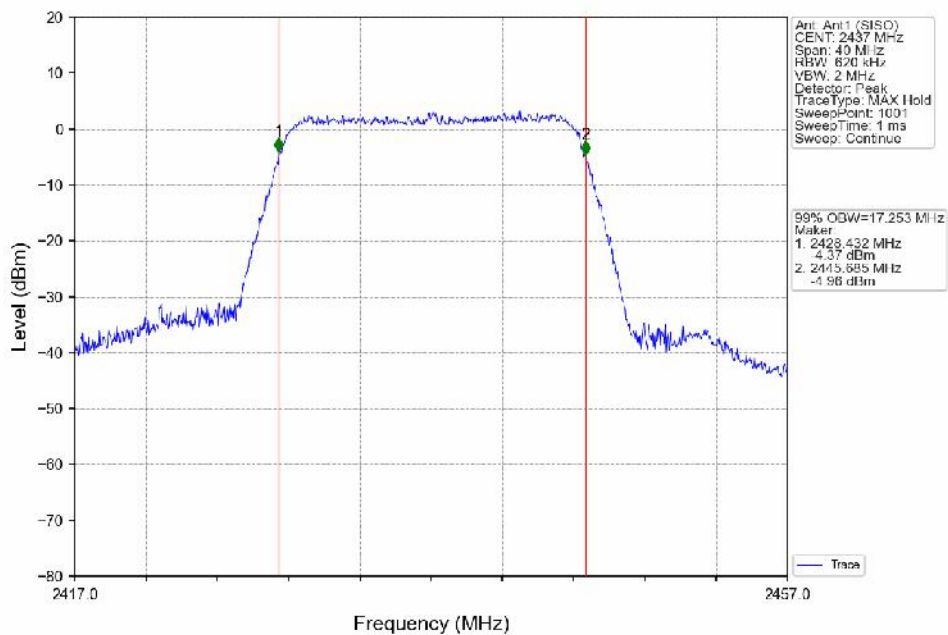
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



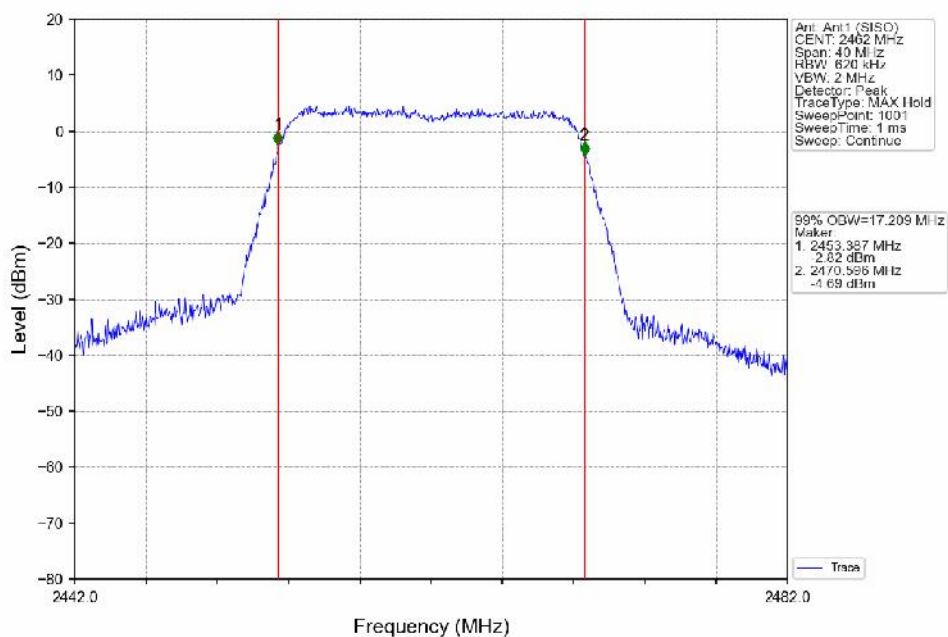
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



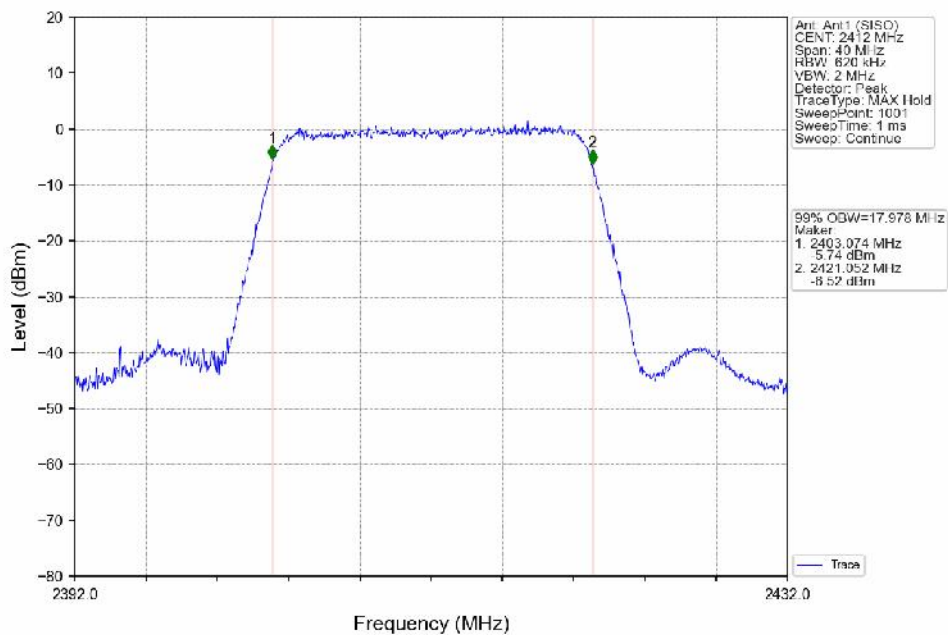
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



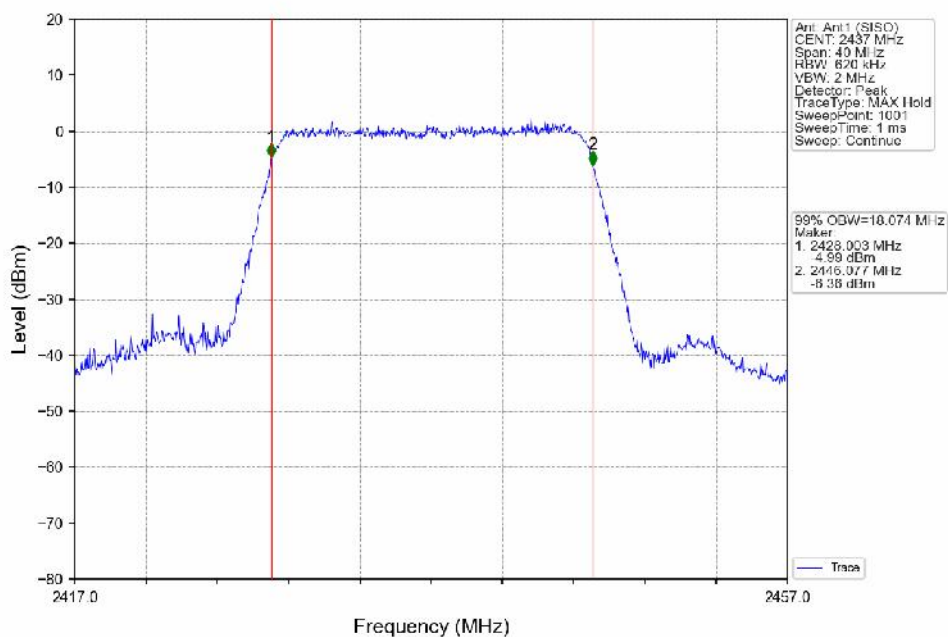
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

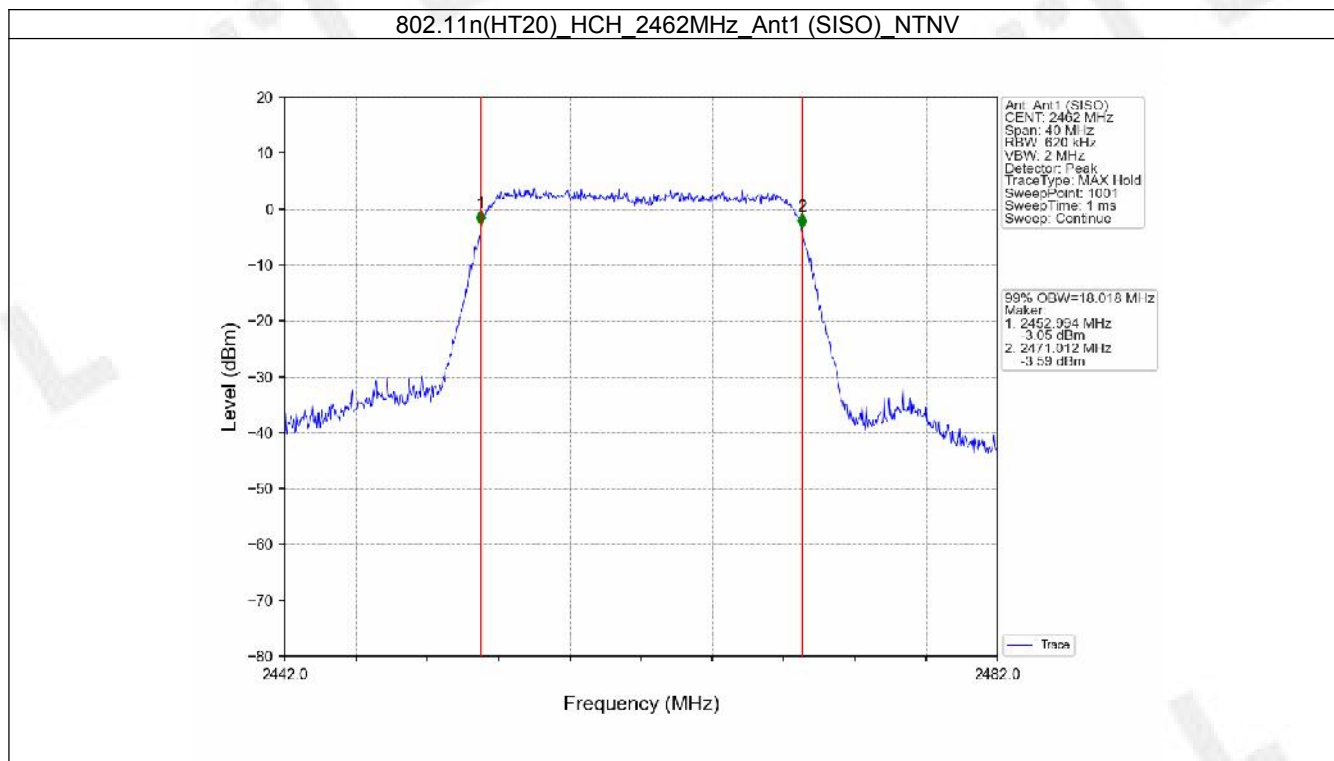


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



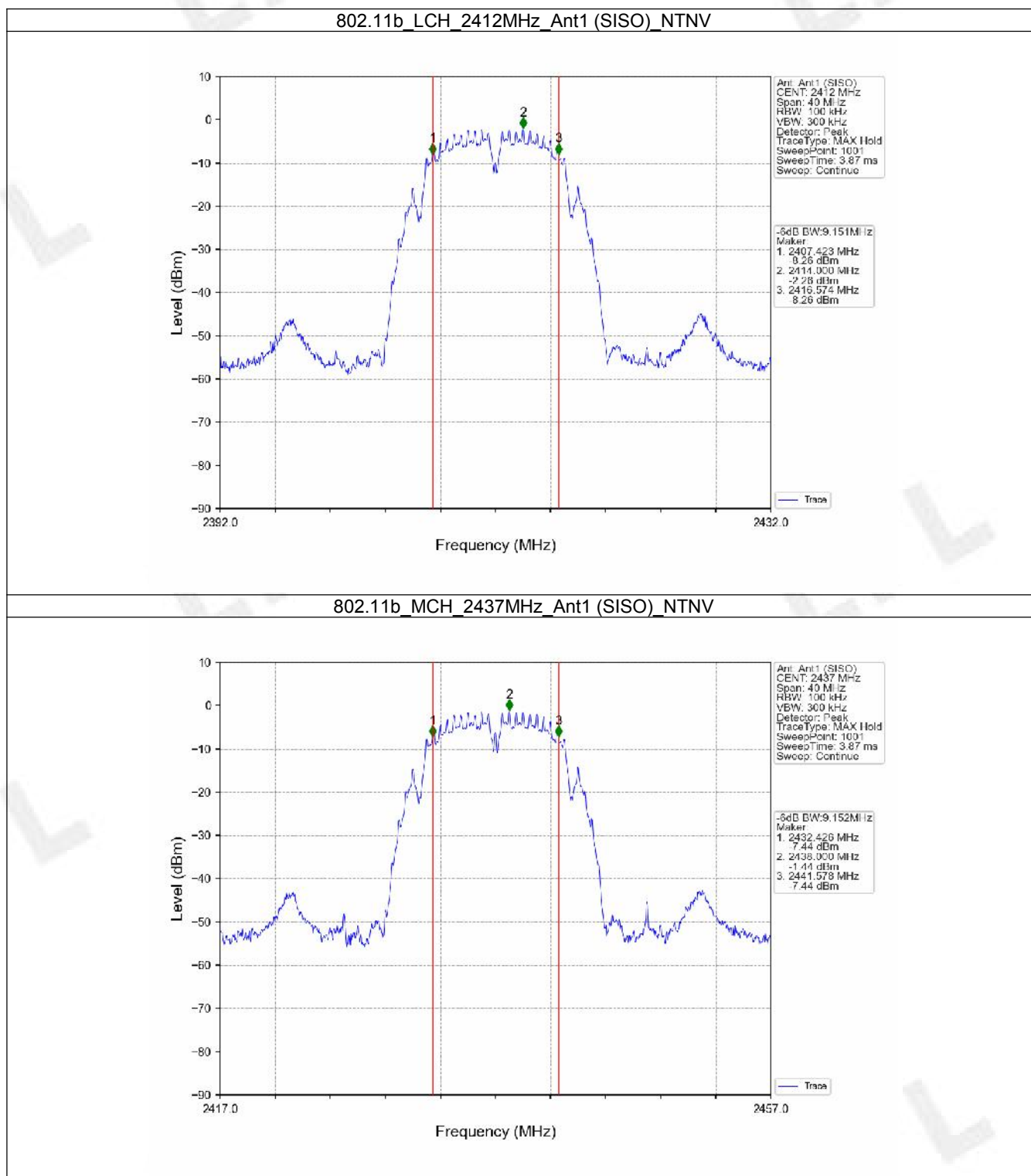


2.2 6dB BW

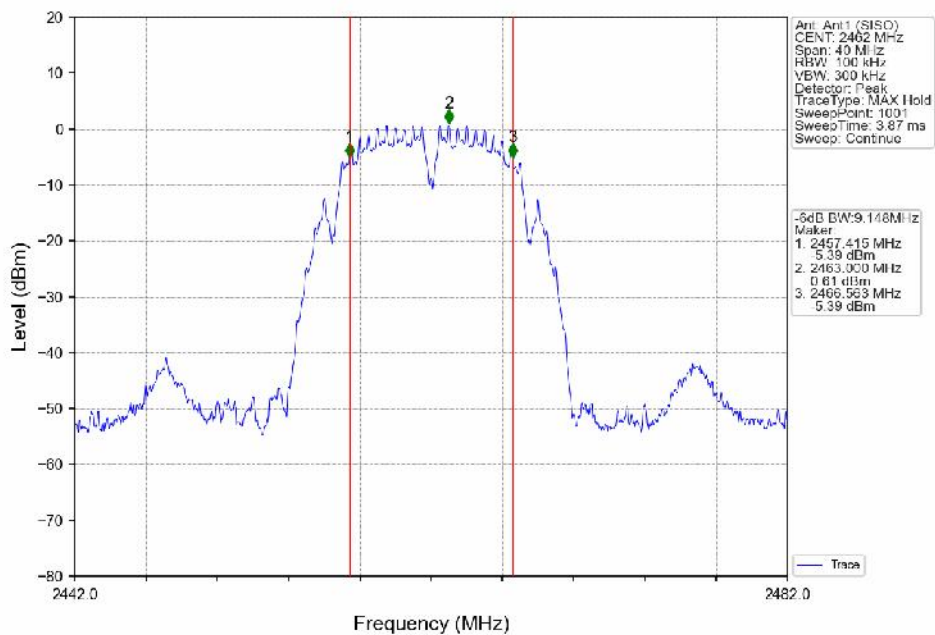
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.151	≥ 0.5	Pass
		2437	1	9.152	≥ 0.5	Pass
		2462	1	9.148	≥ 0.5	Pass
802.11g	SISO	2412	1	16.417	≥ 0.5	Pass
		2437	1	16.447	≥ 0.5	Pass
		2462	1	16.419	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.620	≥ 0.5	Pass
		2437	1	17.649	≥ 0.5	Pass
		2462	1	17.627	≥ 0.5	Pass

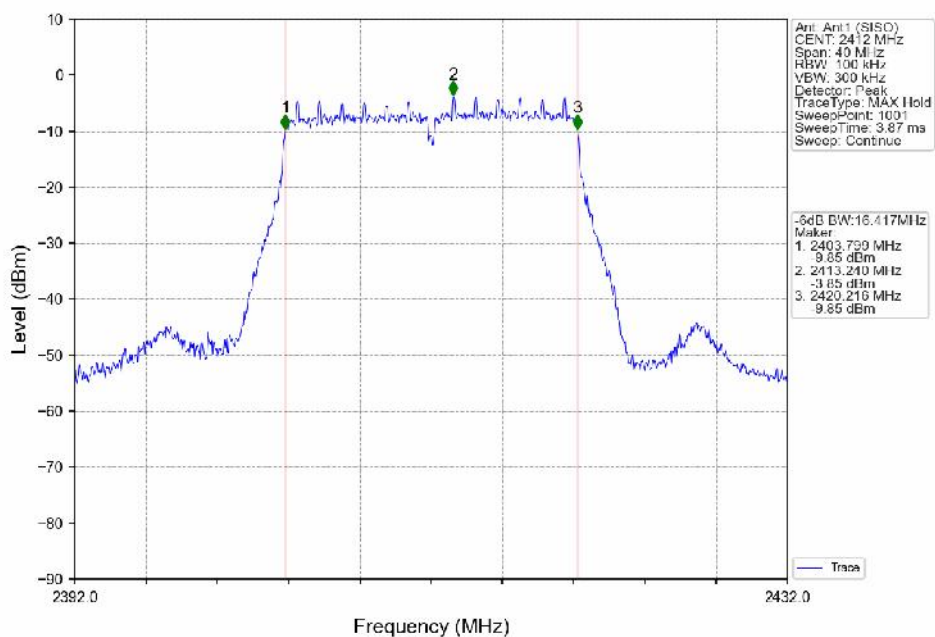
2.2.2 Test Graph



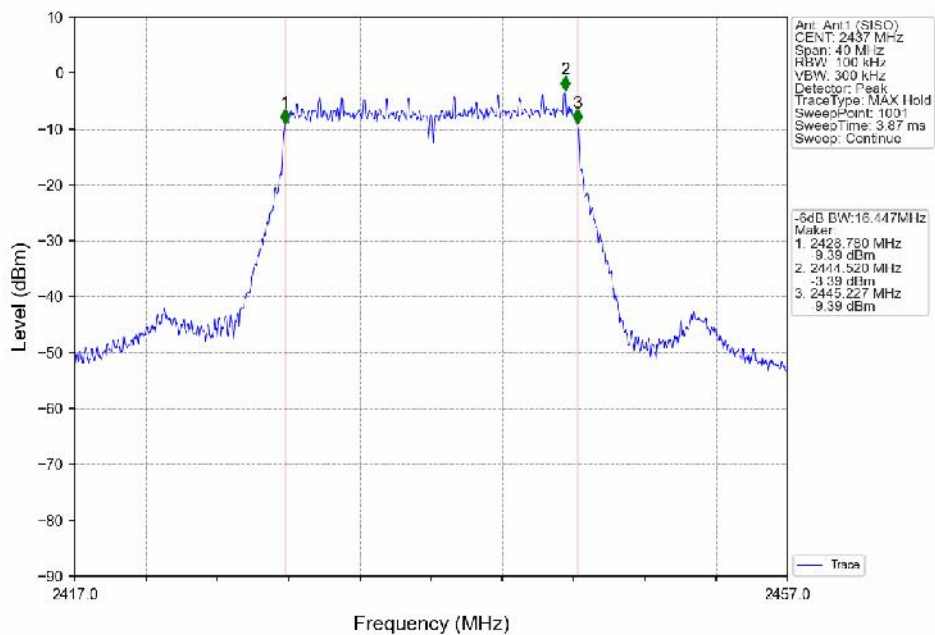
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



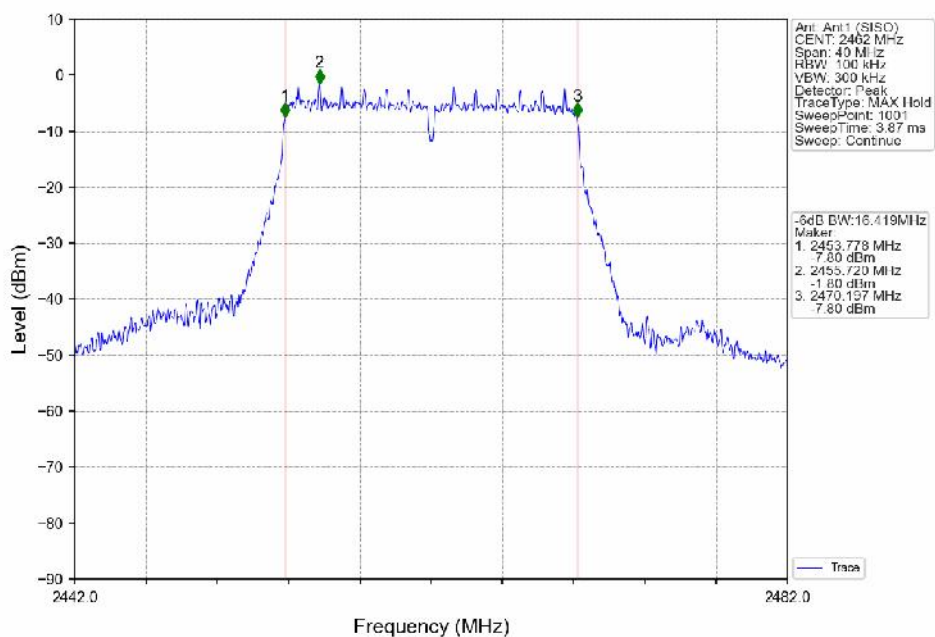
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



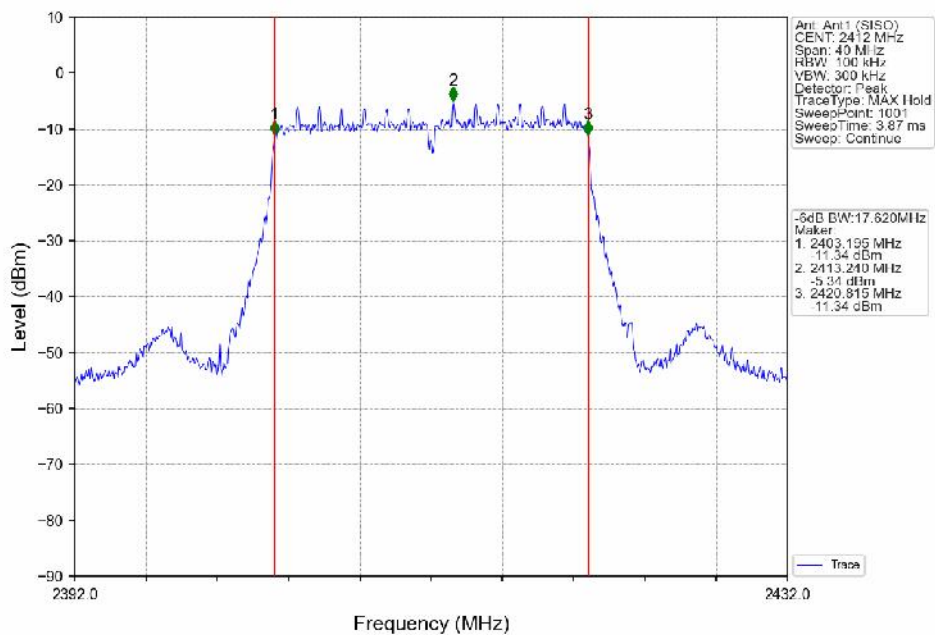
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



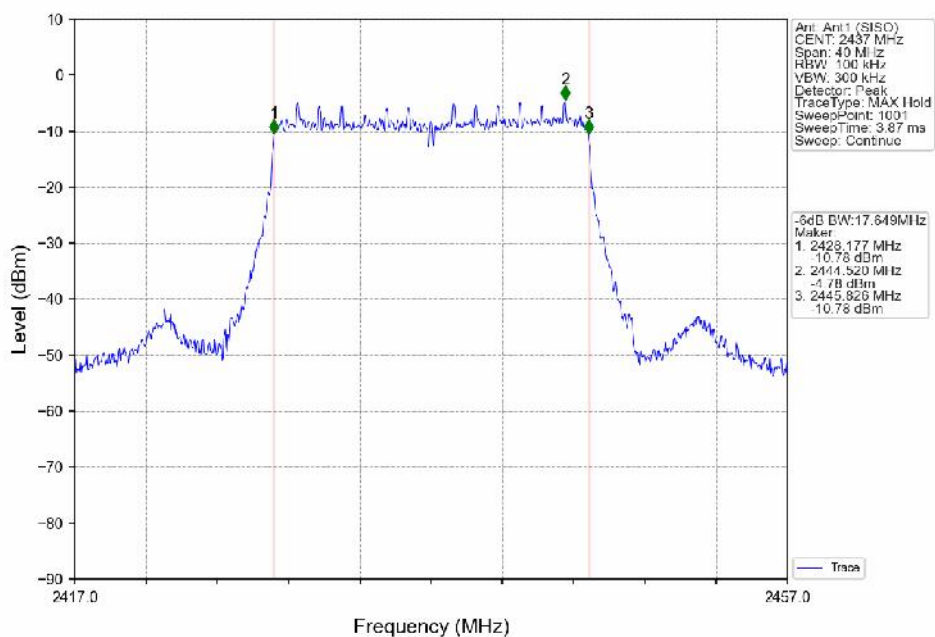
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

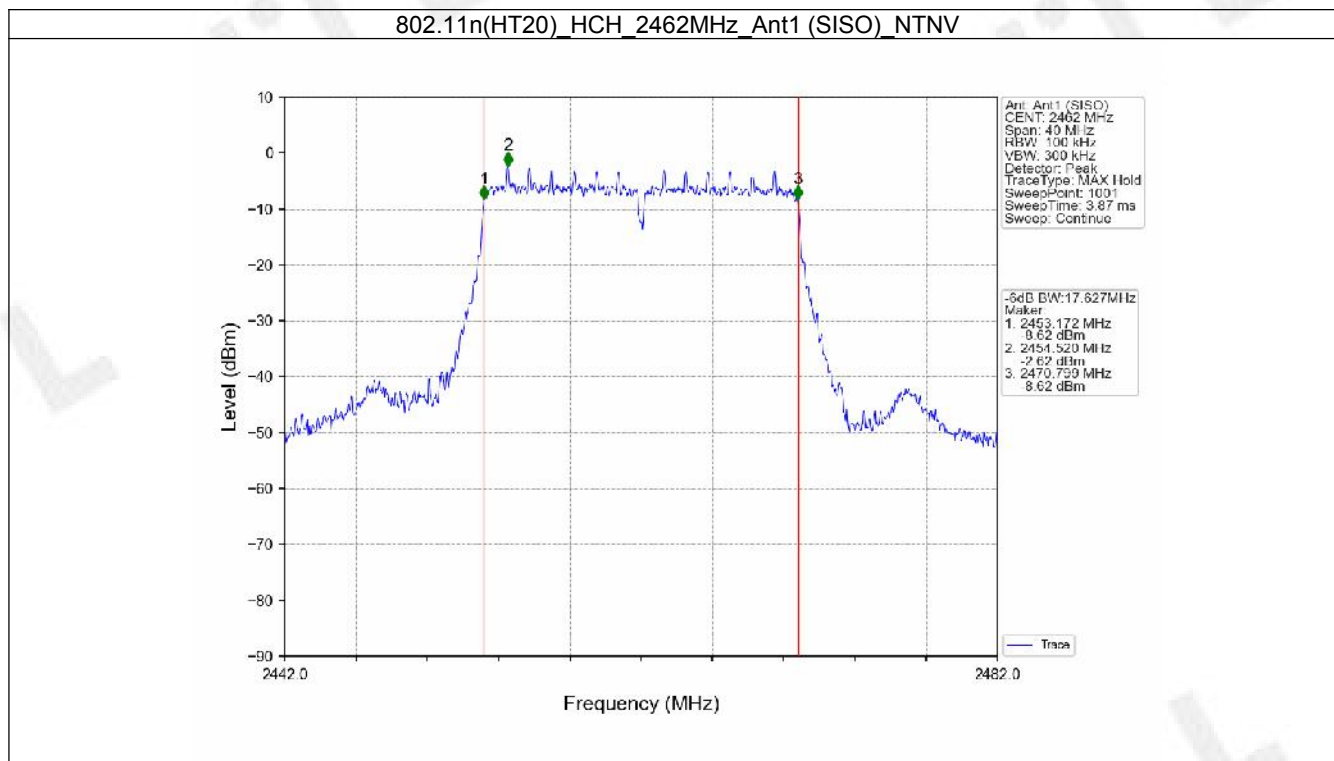


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





3. Maximum Conducted Output Power

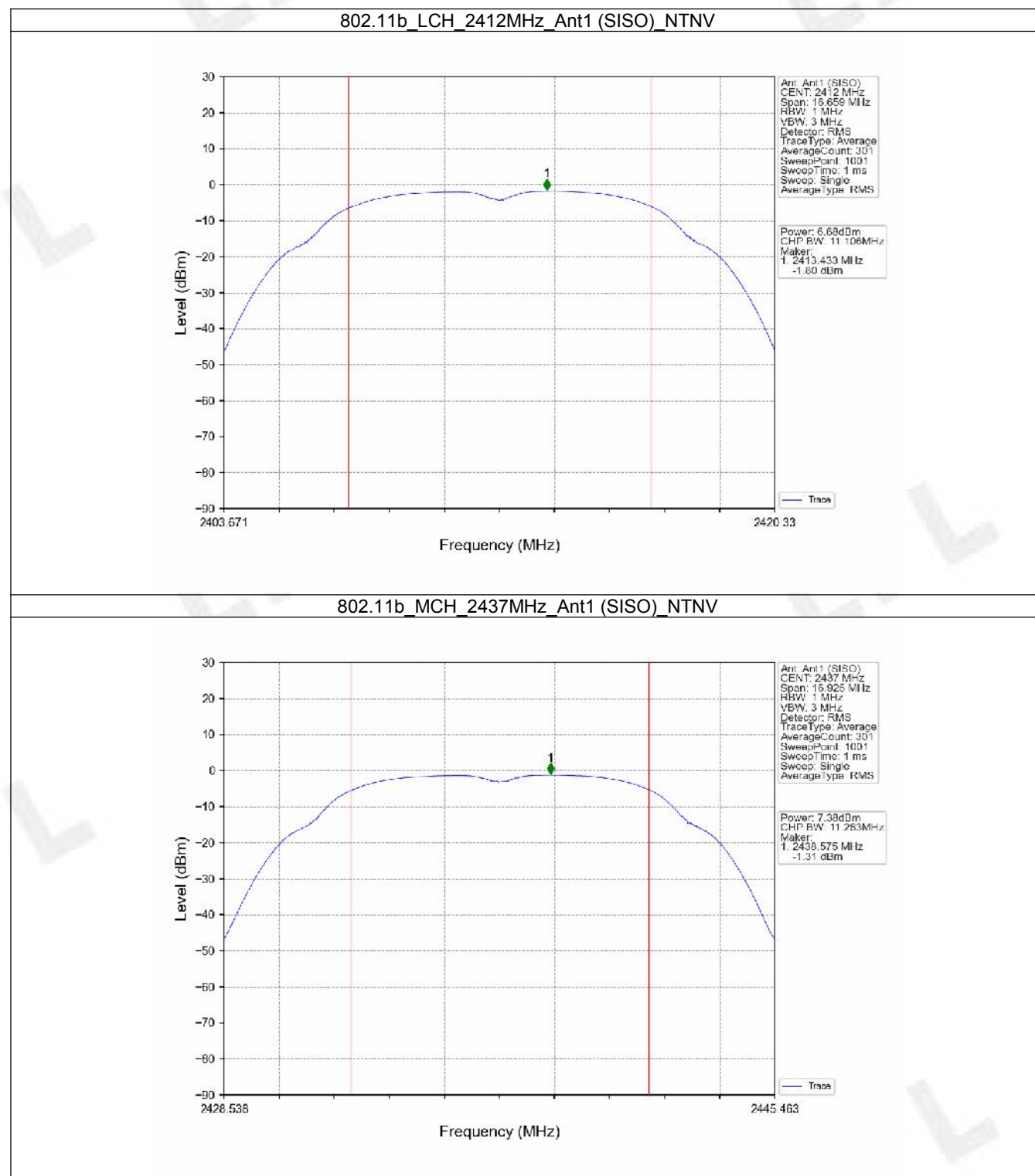
3.1 Power

3.1.1 Test Result

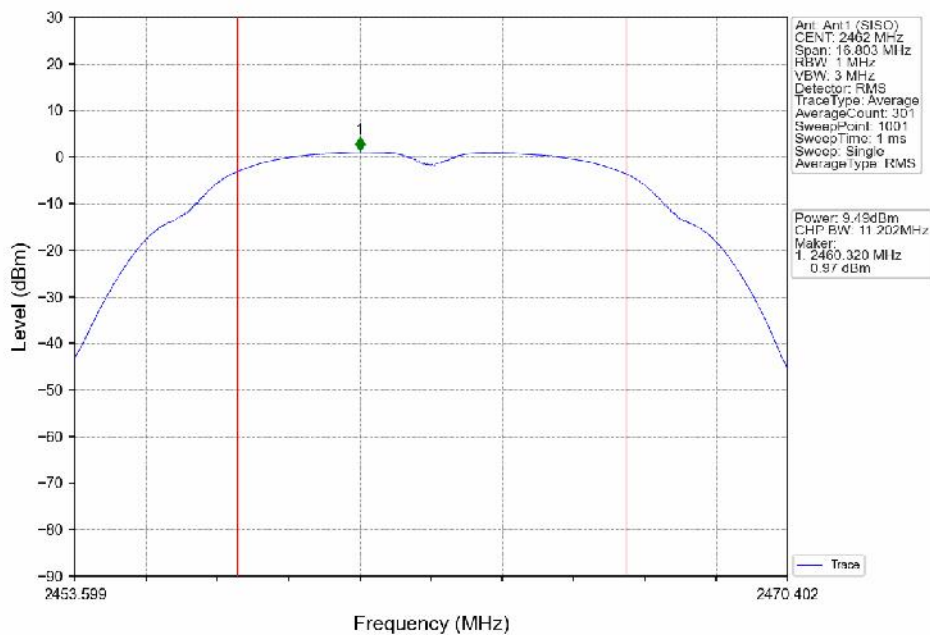
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	6.68	<=30	Pass
		2437	7.38	<=30	Pass
		2462	9.49	<=30	Pass
802.11g	SISO	2412	7.18	<=30	Pass
		2437	7.64	<=30	Pass
		2462	9.36	<=30	Pass
802.11n (HT20)	SISO	2412	5.70	<=30	Pass
		2437	6.49	<=30	Pass
		2462	8.52	<=30	Pass

Note1: Antenna Gain: Ant1: -3.60dBi;

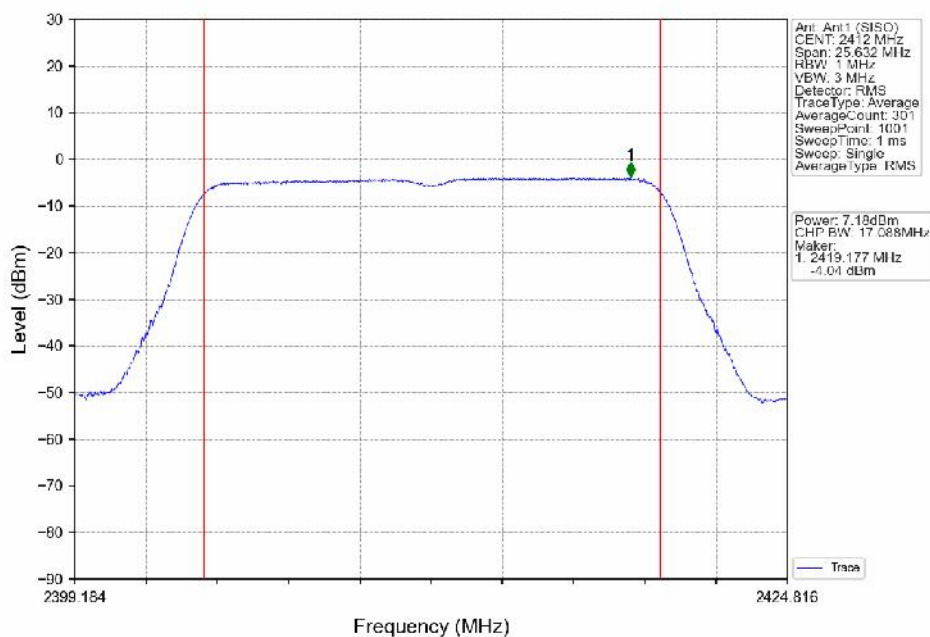
3.1.2 Test Graph



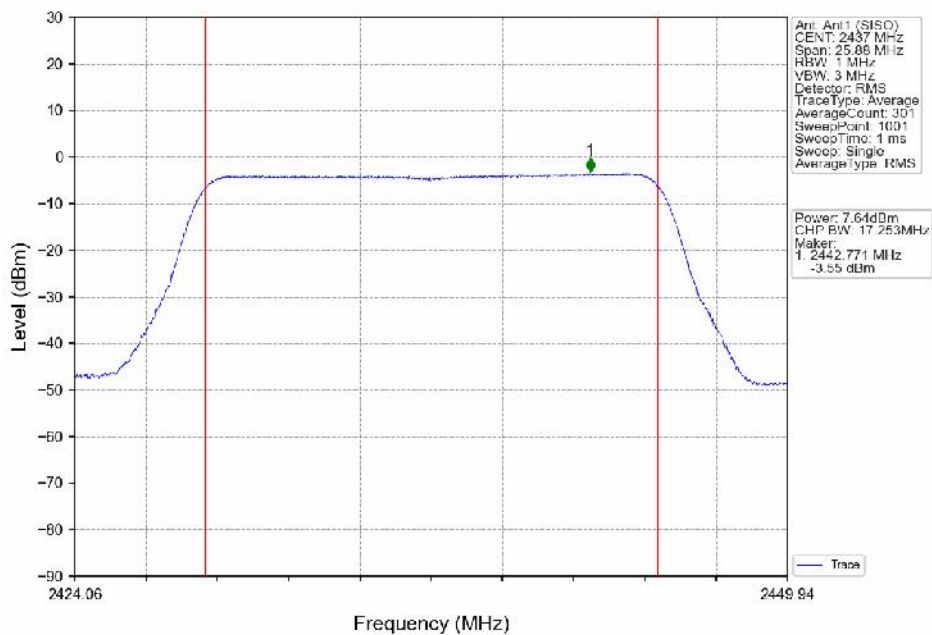
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



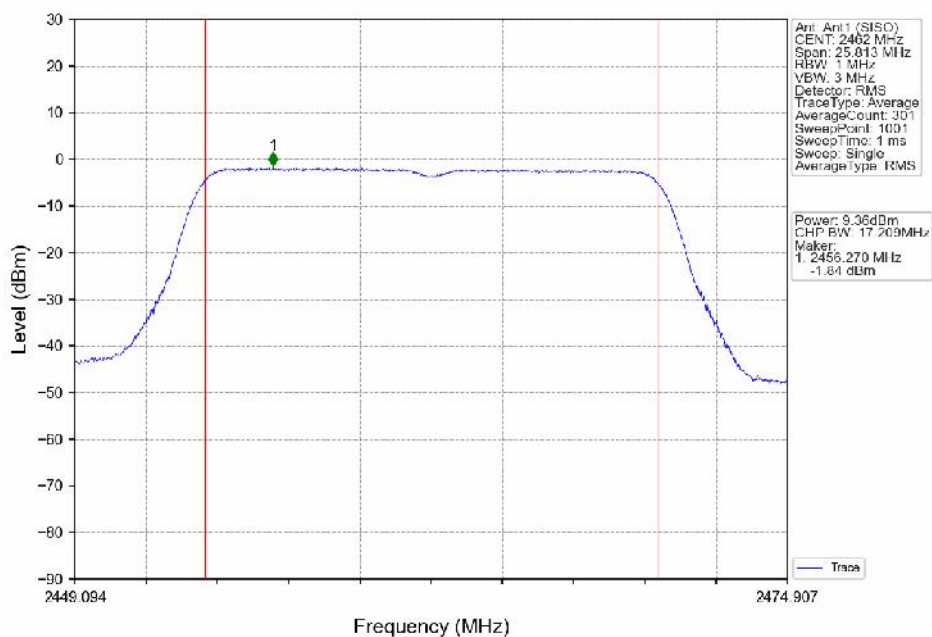
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



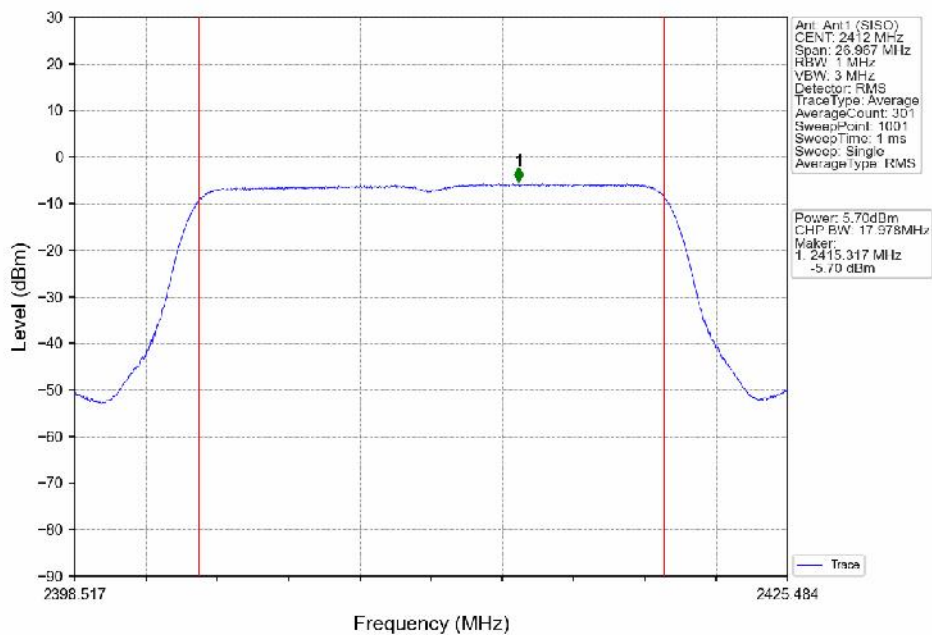
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



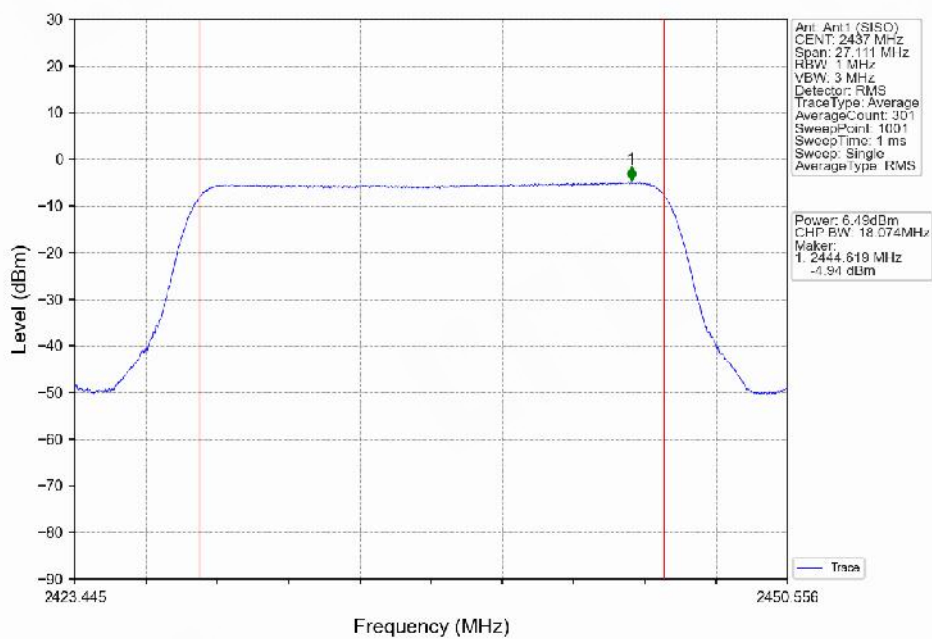
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



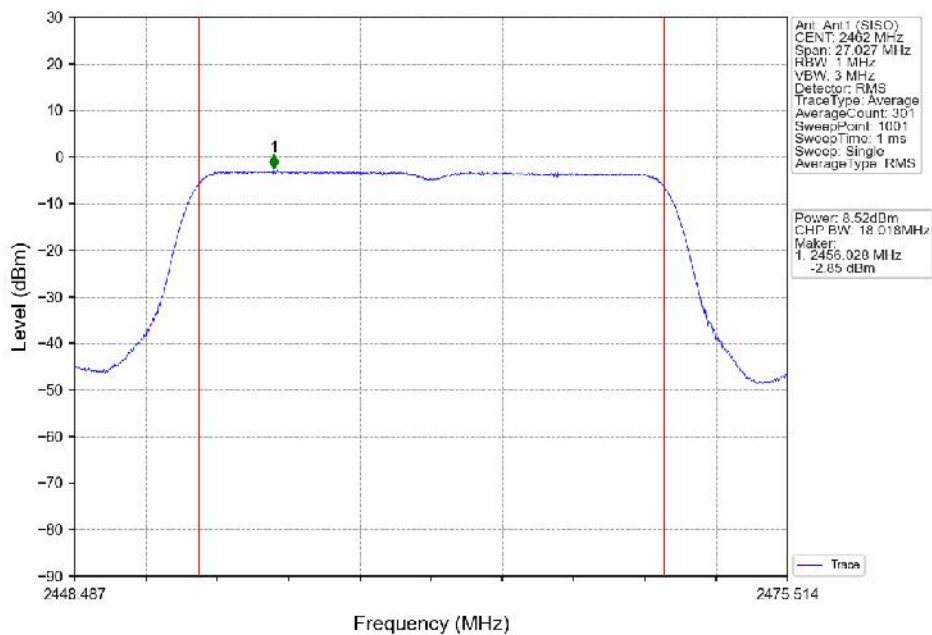
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



4. Maximum Power Spectral Density

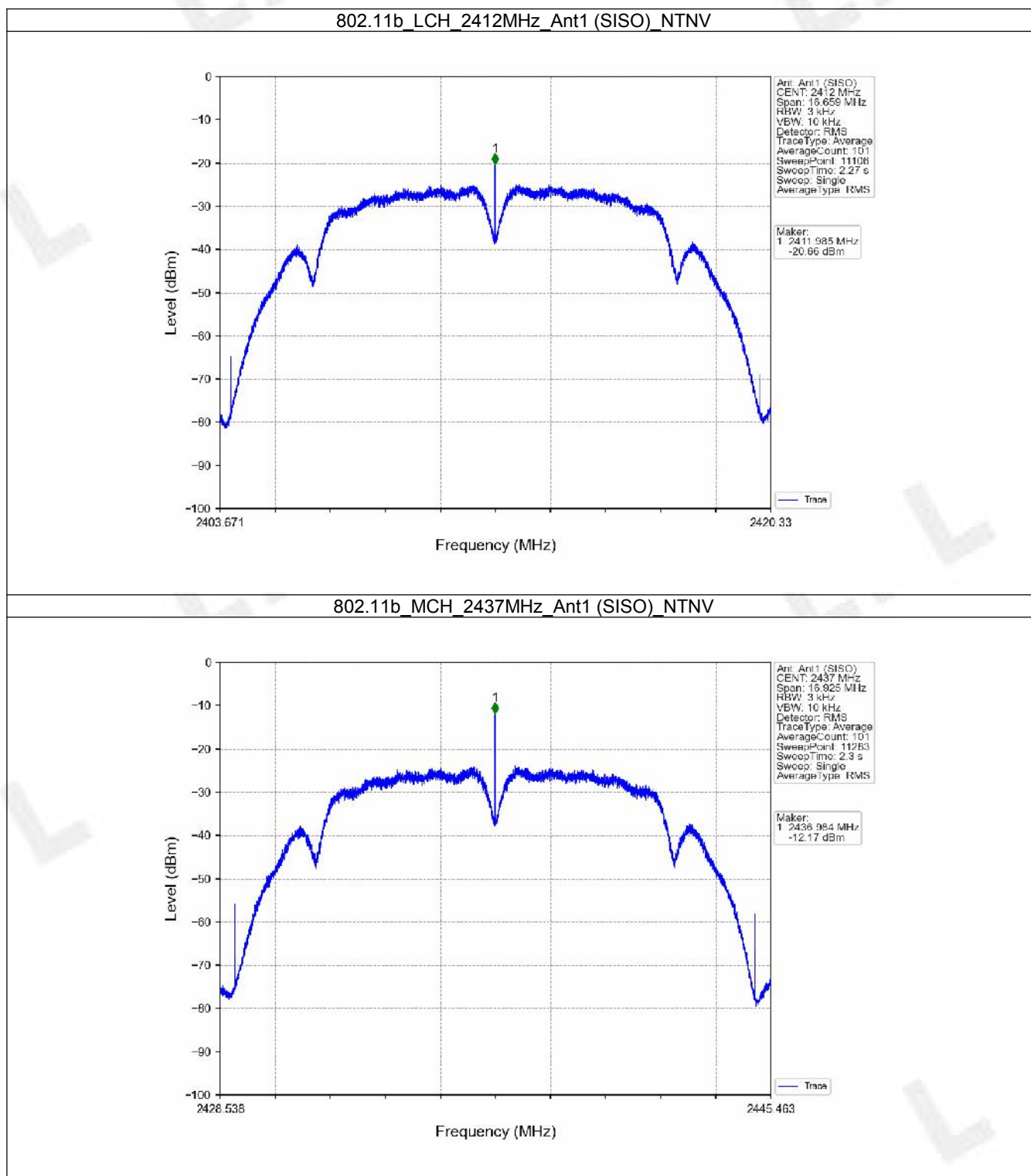
4.1 PSD

4.1.1 Test Result

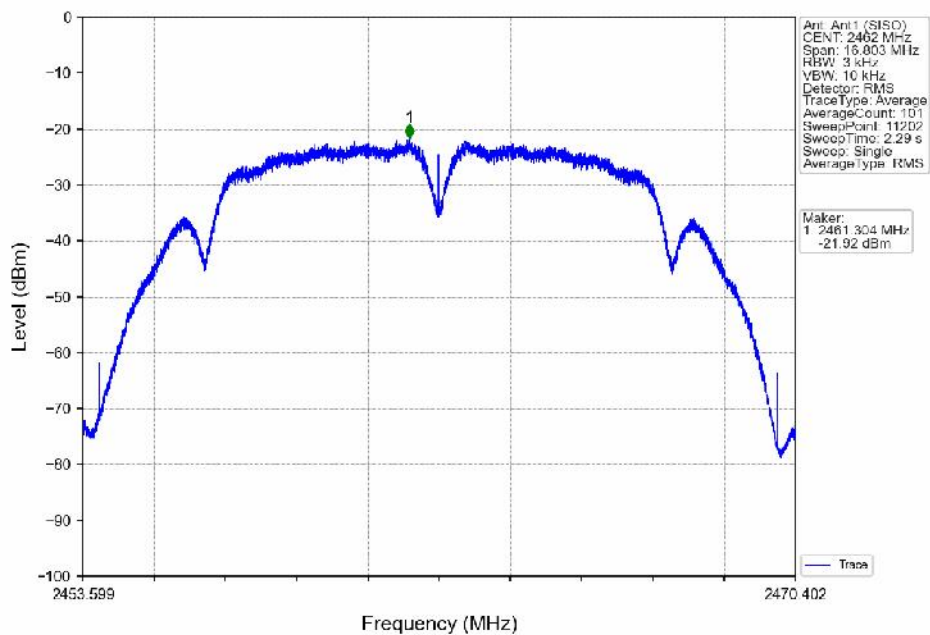
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-20.66	<=8	Pass
		2437	-12.17	<=8	Pass
		2462	-21.92	<=8	Pass
802.11g	SISO	2412	-21.78	<=8	Pass
		2437	-12.81	<=8	Pass
		2462	-24.97	<=8	Pass
802.11n (HT20)	SISO	2412	-21.90	<=8	Pass
		2437	-13.36	<=8	Pass
		2462	-25.82	<=8	Pass

Note1: Antenna Gain: Ant1: -3.60dBi;

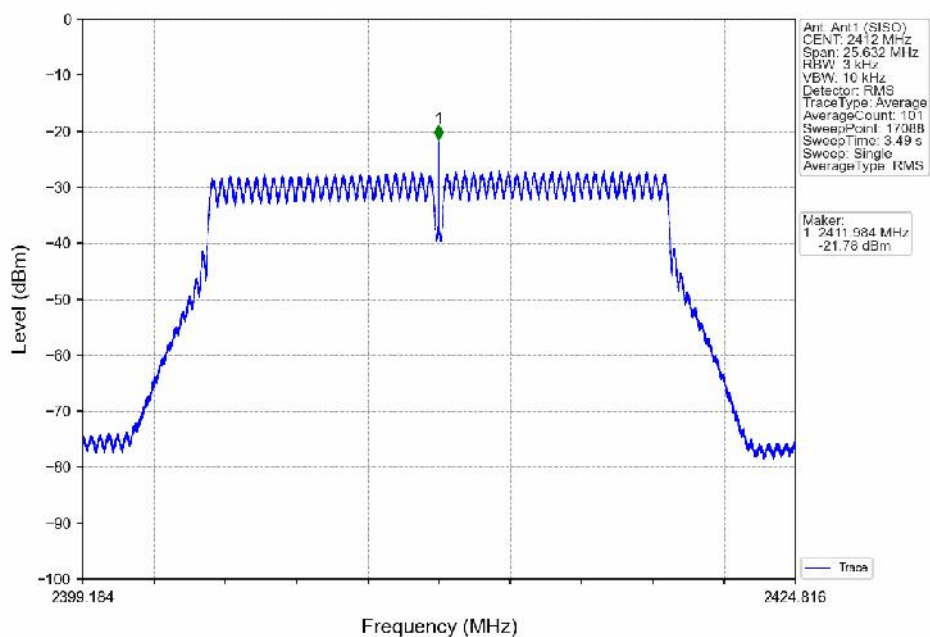
4.1.2 Test Graph



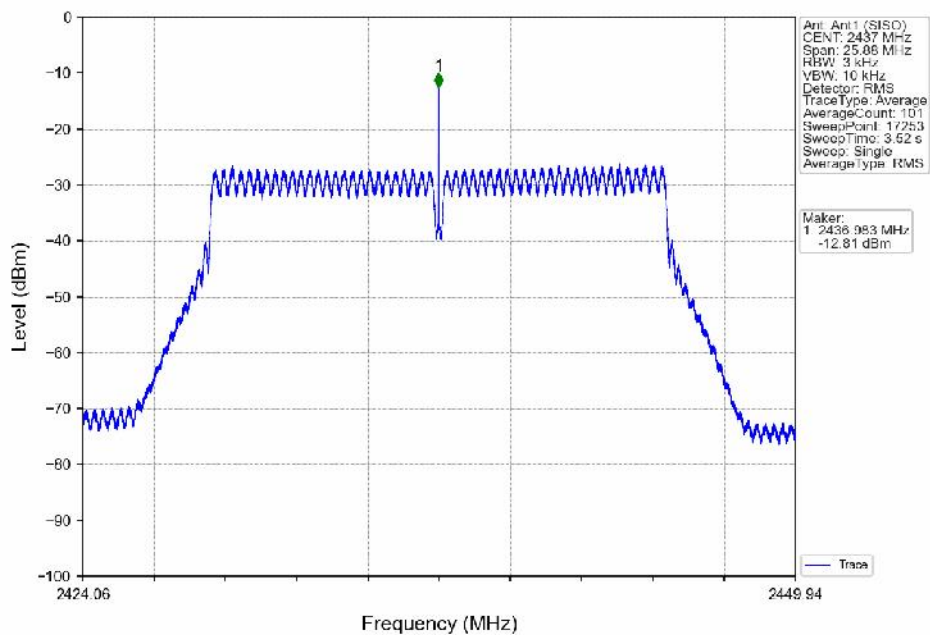
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



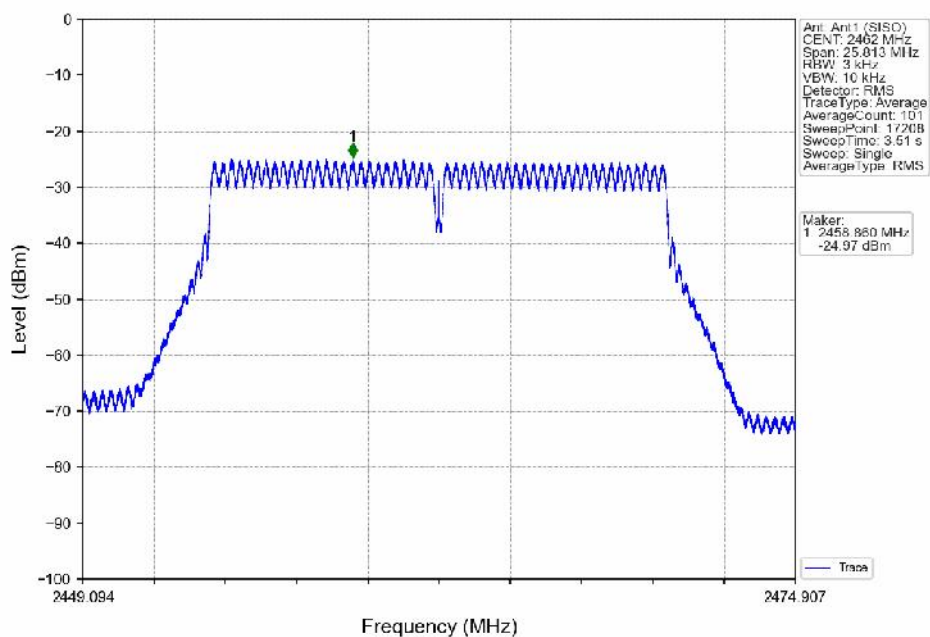
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



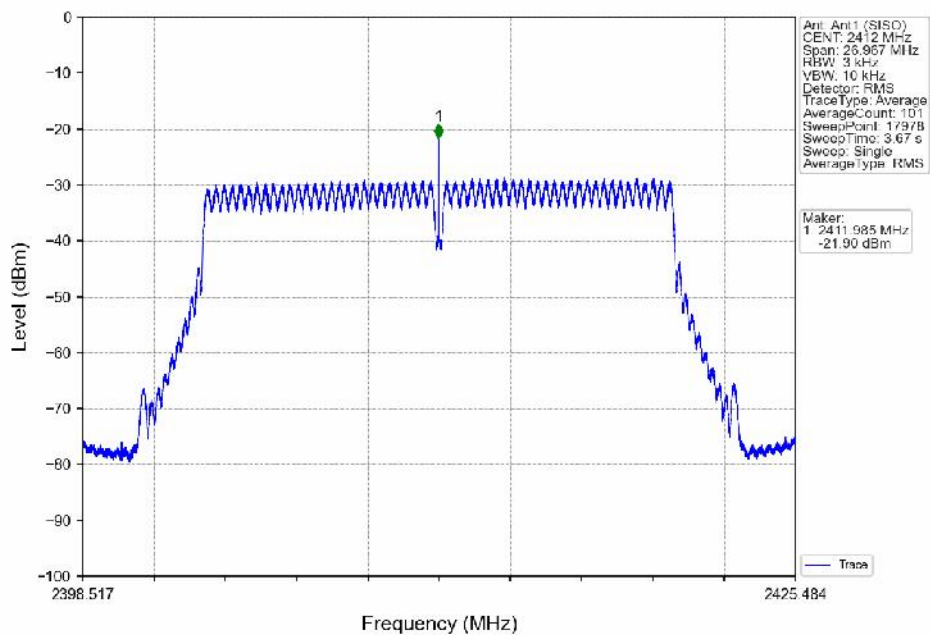
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



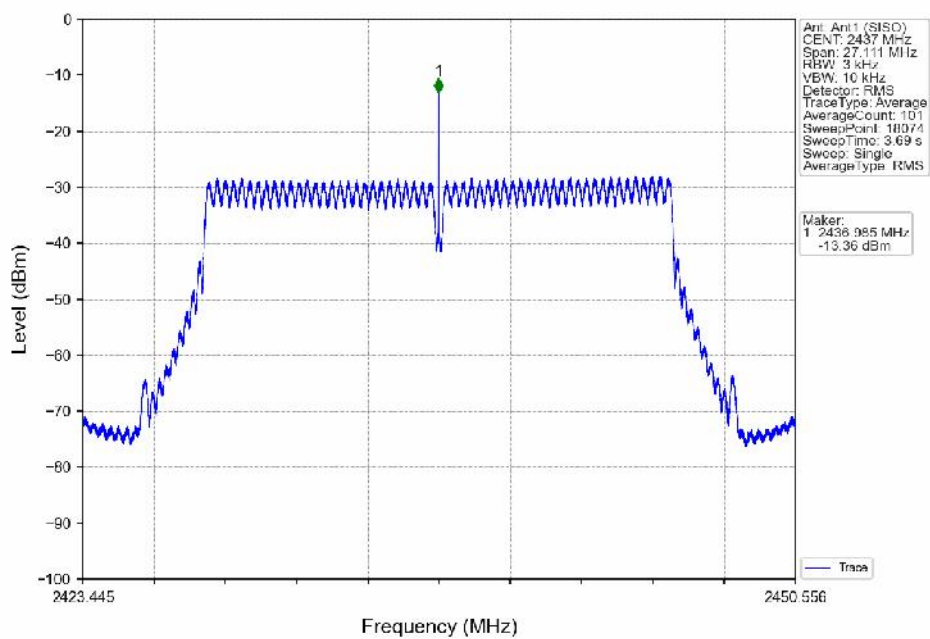
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



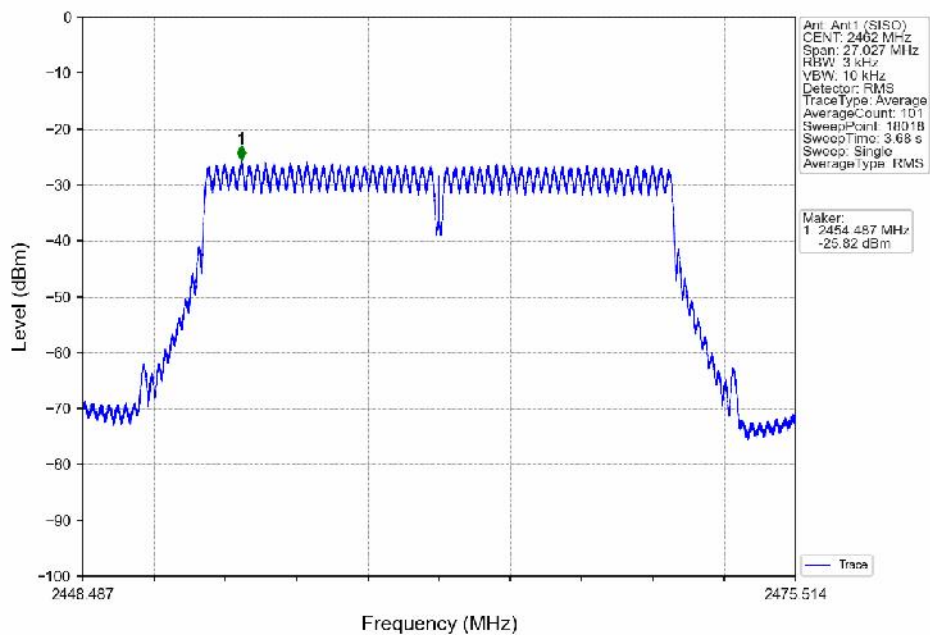
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

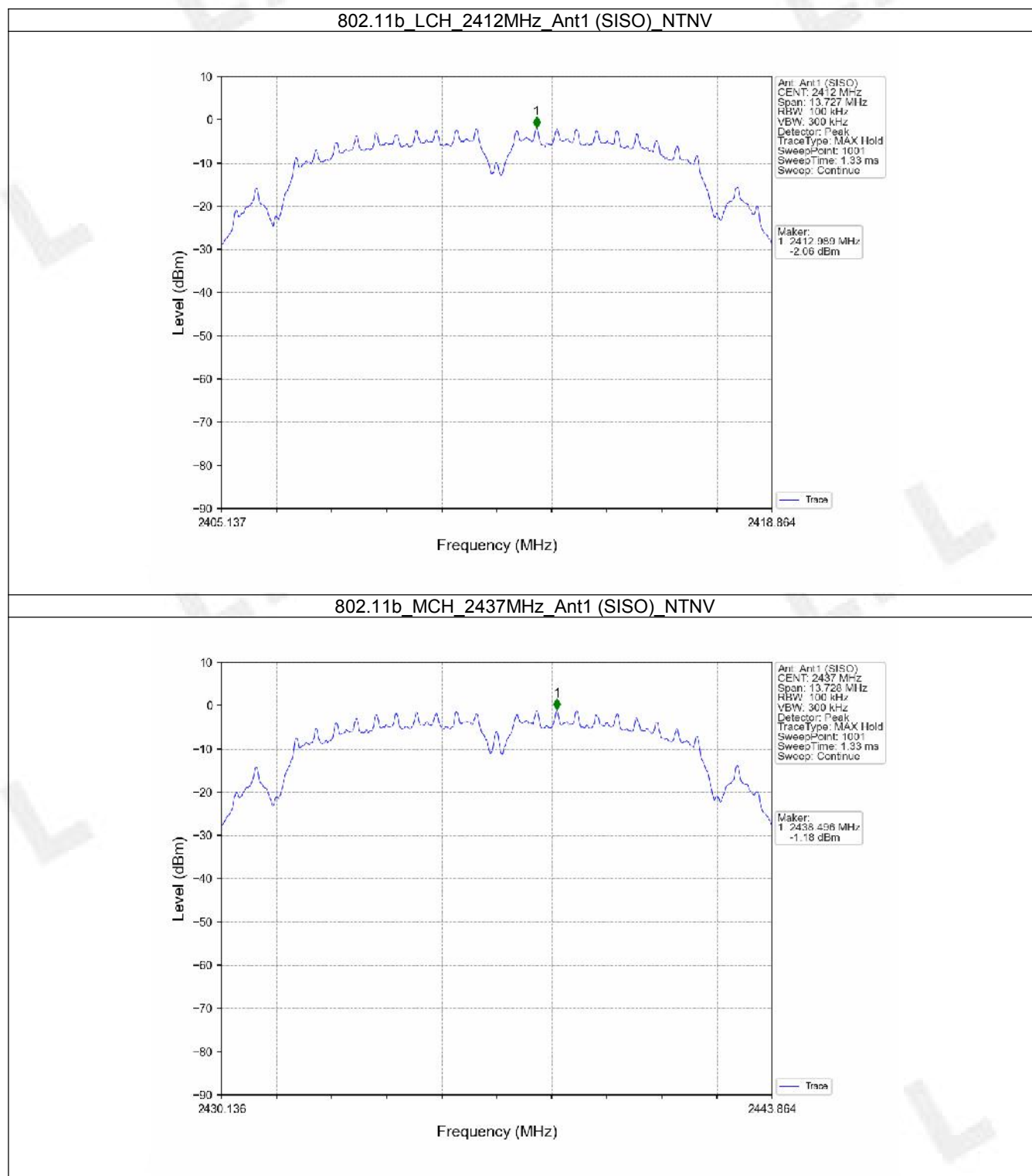
5.1 Ref

5.1.1 Test Result

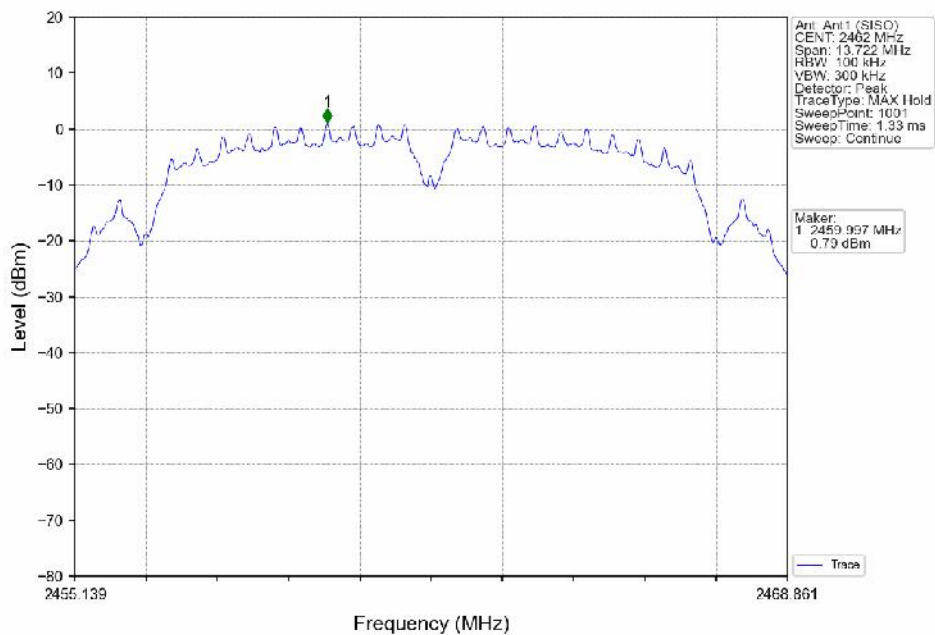
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-2.06
		2437	1	-1.18
		2462	1	0.79
802.11g	SISO	2412	1	-3.89
		2437	1	-3.16
		2462	1	-2.04
802.11n (HT20)	SISO	2412	1	-5.37
		2437	1	-4.44
		2462	1	-2.84

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.

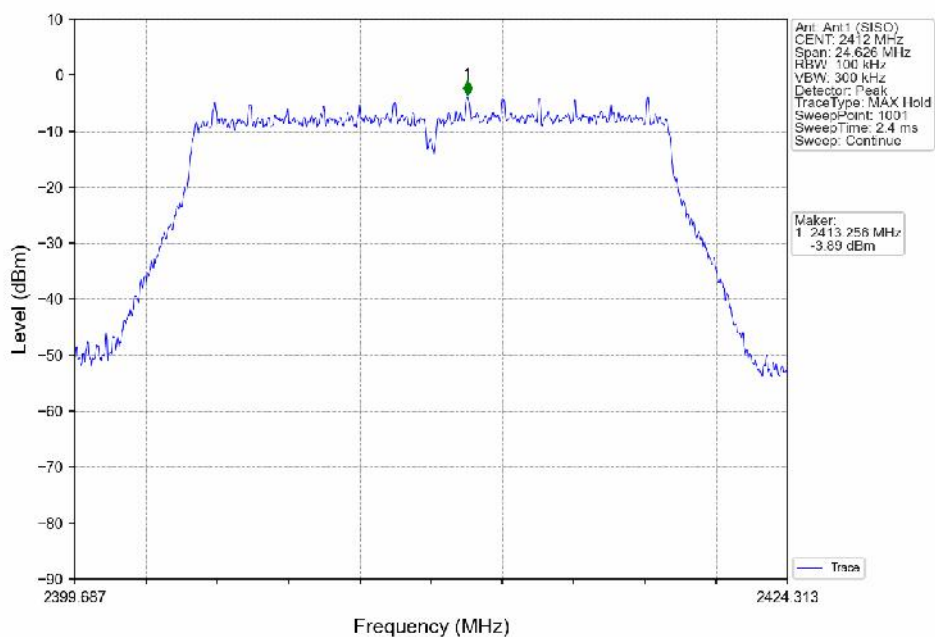
5.1.2 Test Graph



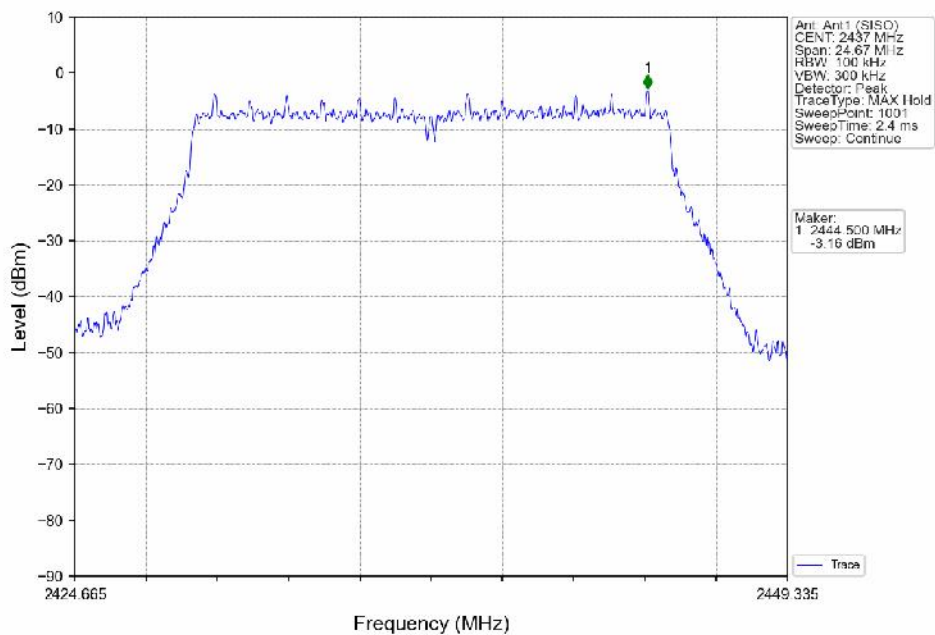
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



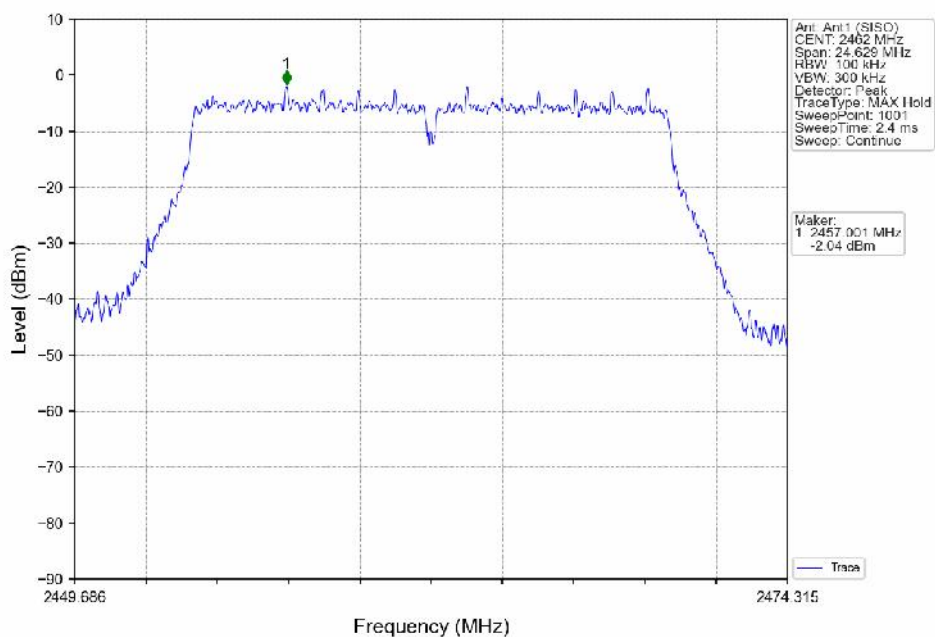
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



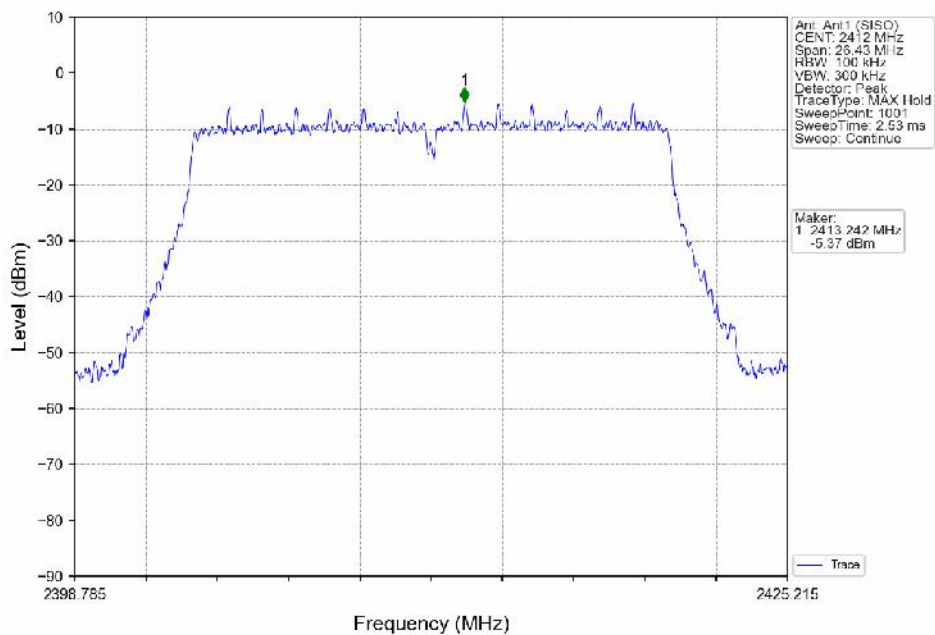
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



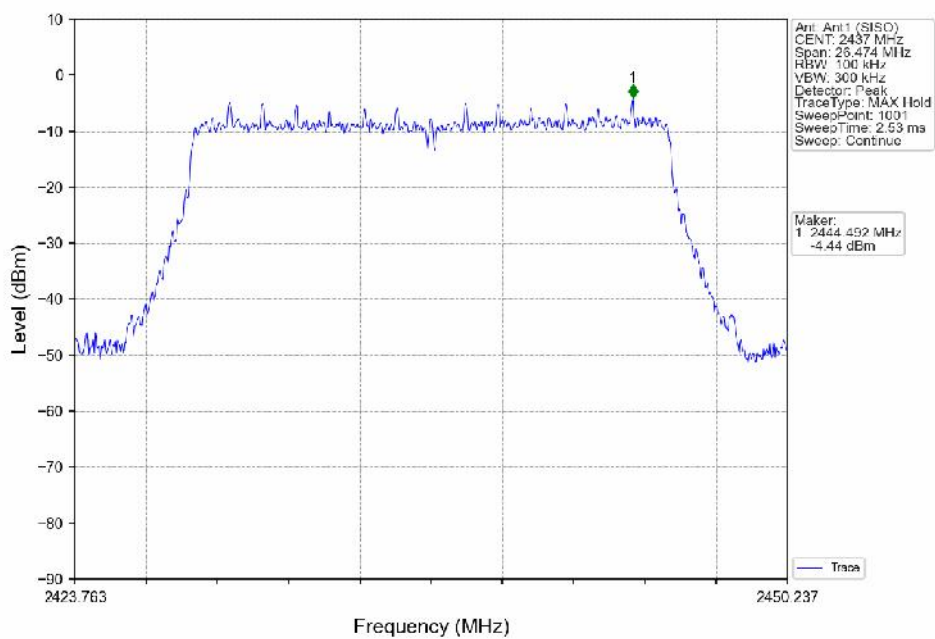
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

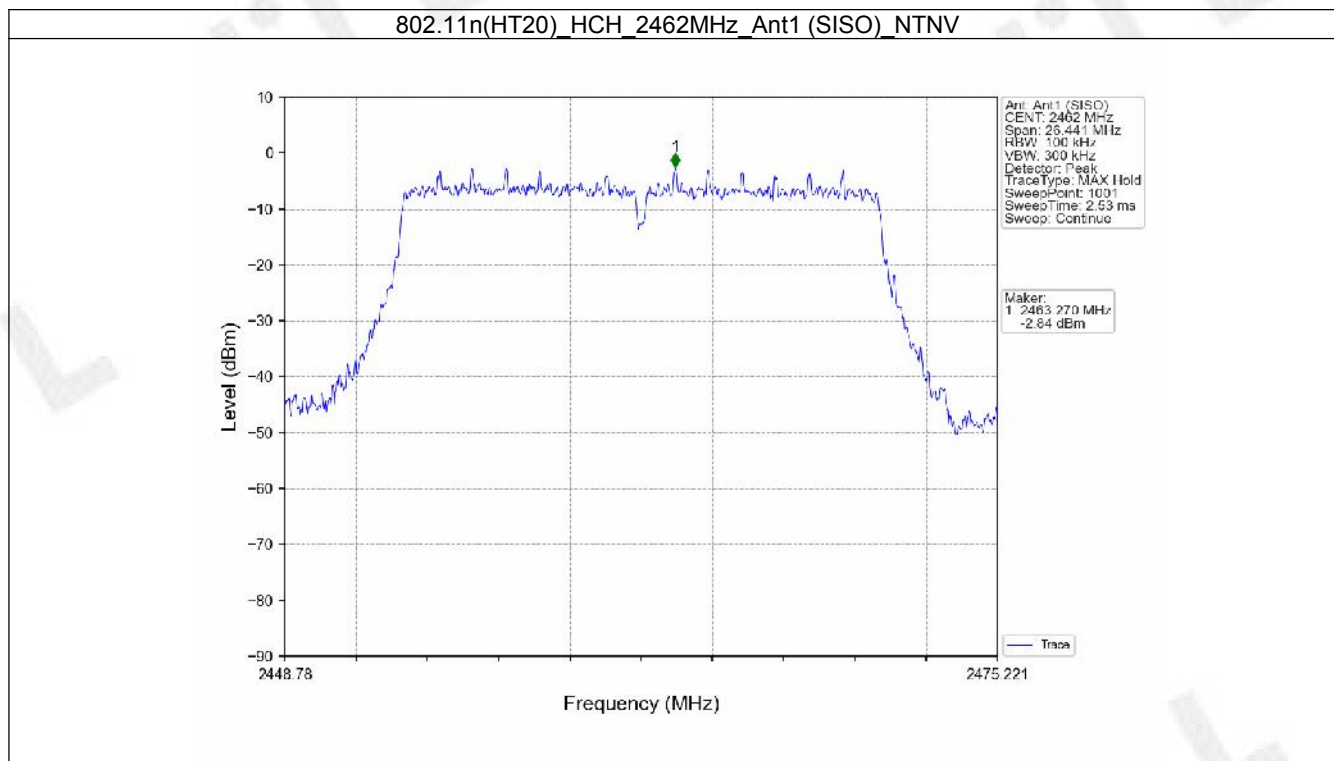


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





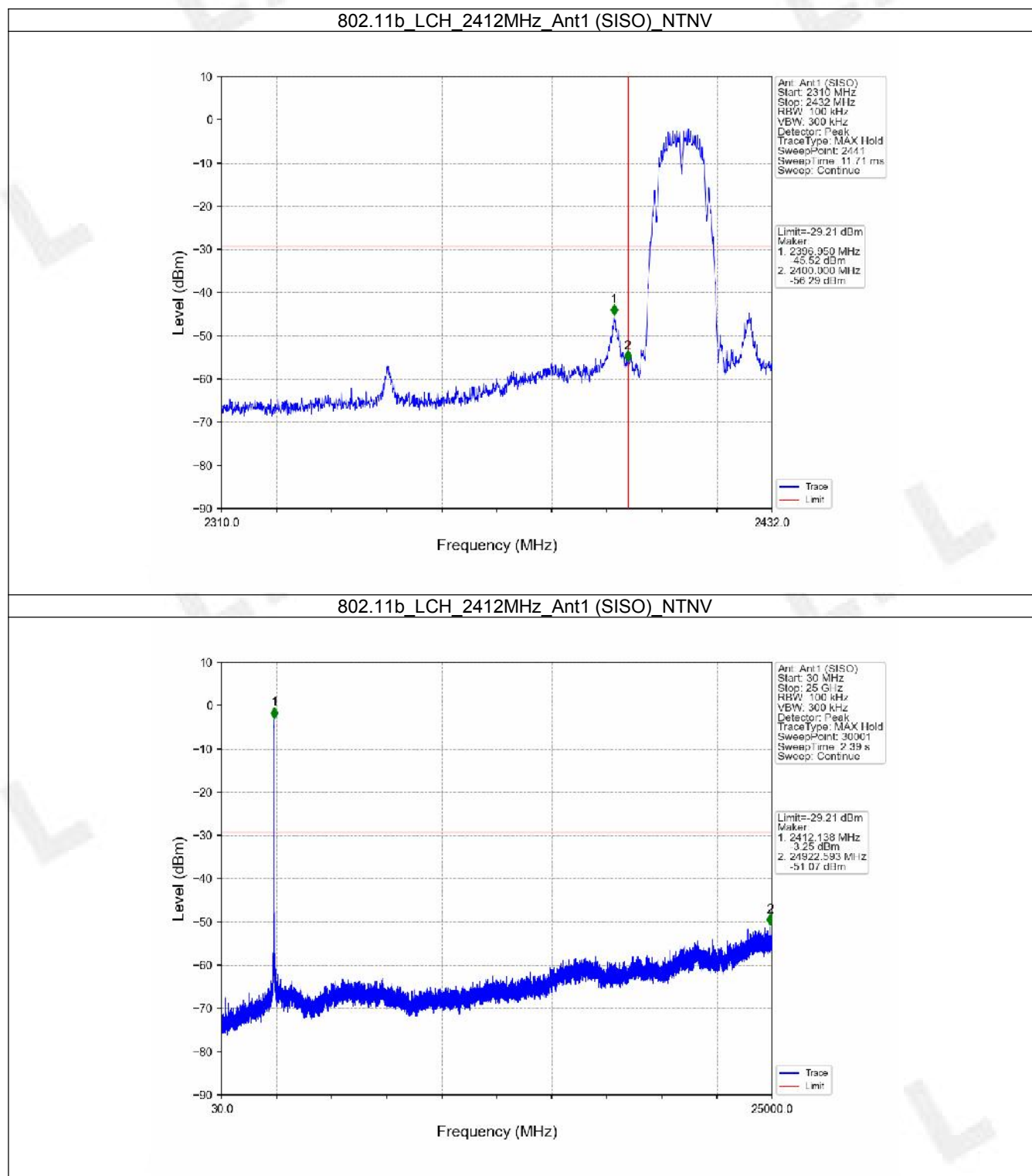
5.2 CSE

5.2.1 Test Result

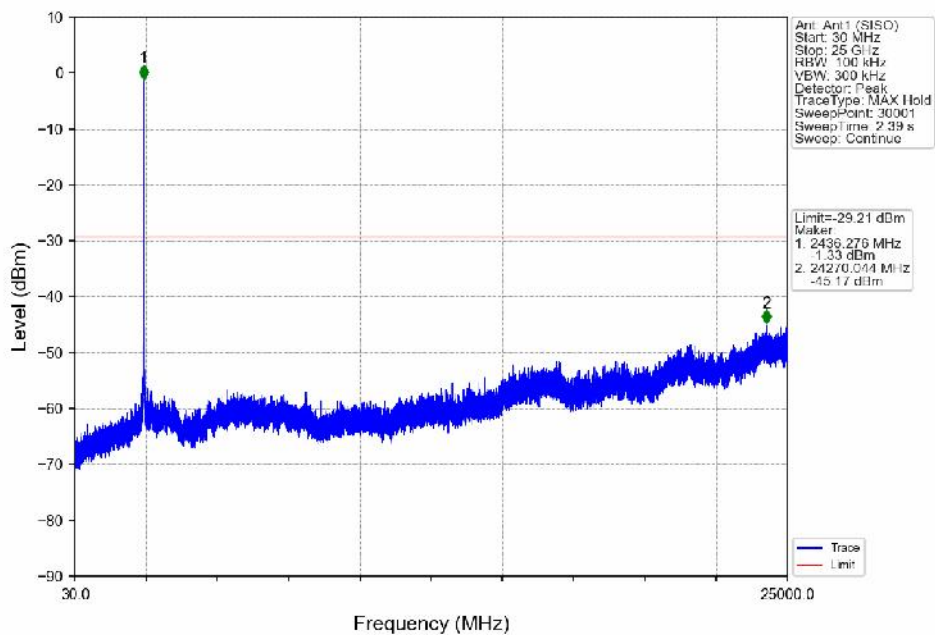
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	0.79	-29.21	Pass
		2437	1	0.79	-29.21	Pass
		2462	1	0.79	-29.21	Pass
802.11g	SISO	2412	1	-2.04	-32.04	Pass
		2437	1	-2.04	-32.04	Pass
		2462	1	-2.04	-32.04	Pass
802.11n (HT20)	SISO	2412	1	-2.84	-32.84	Pass
		2437	1	-2.84	-32.84	Pass
		2462	1	-2.84	-32.84	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.

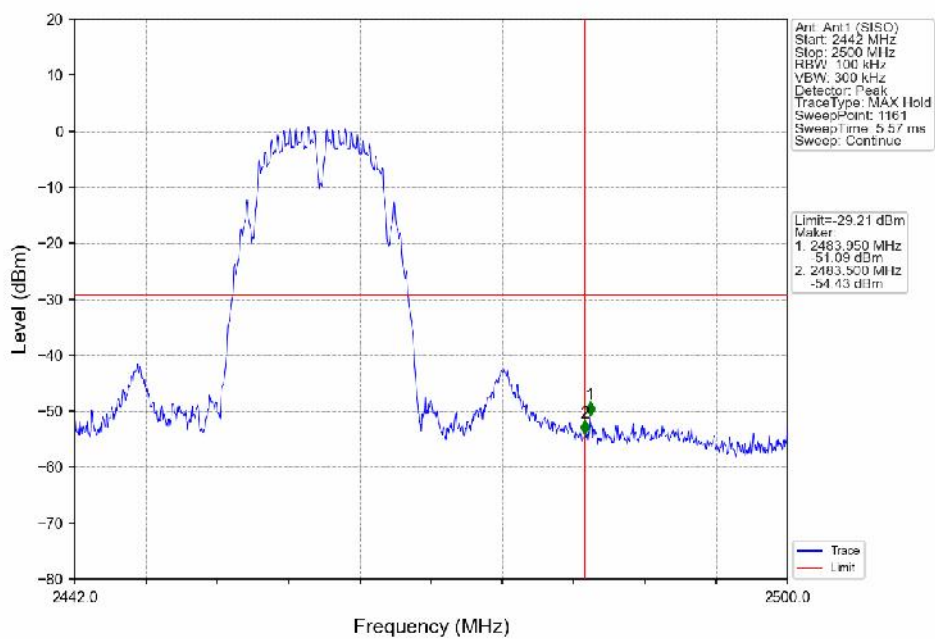
5.2.2 Test Graph



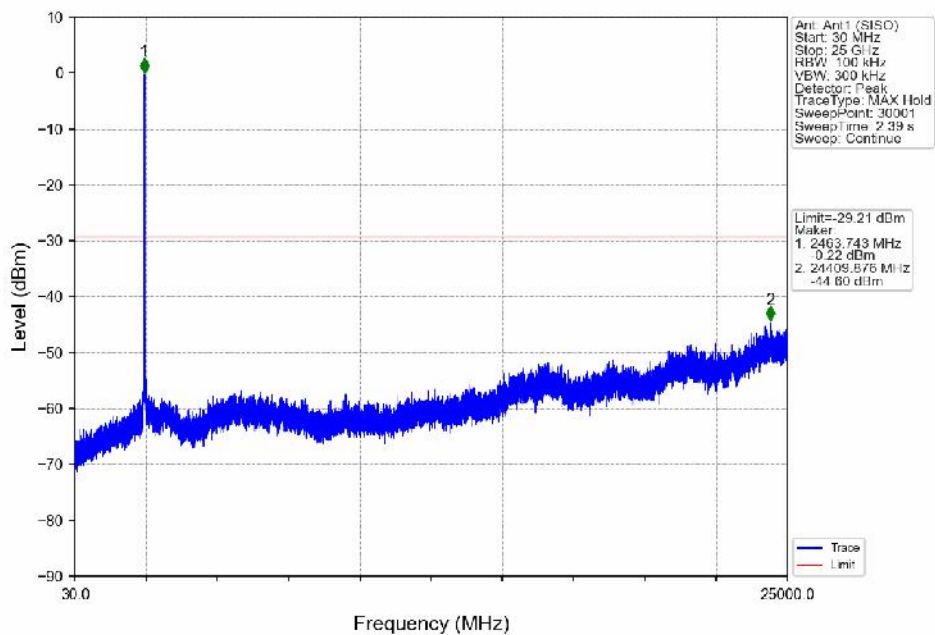
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



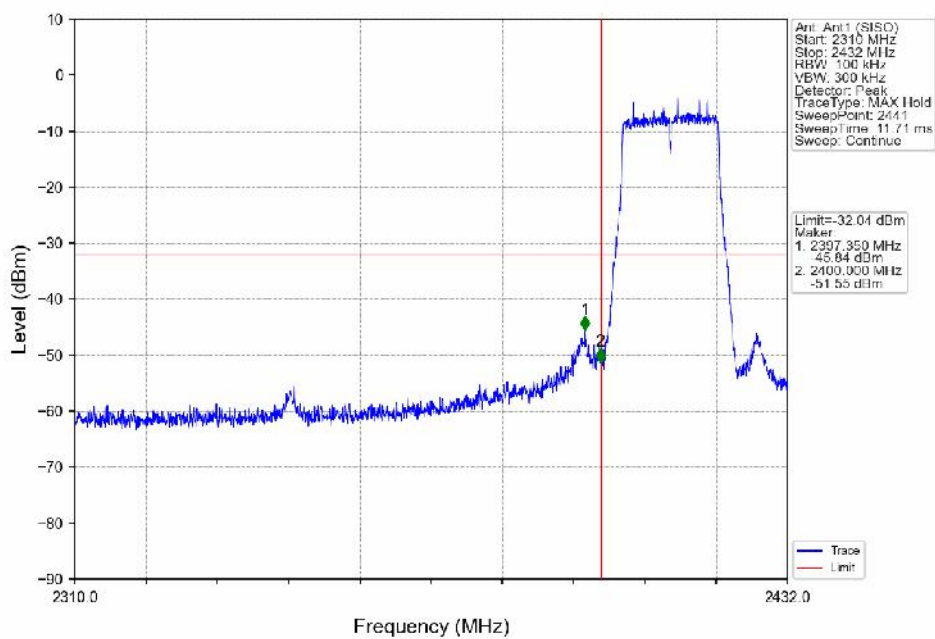
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



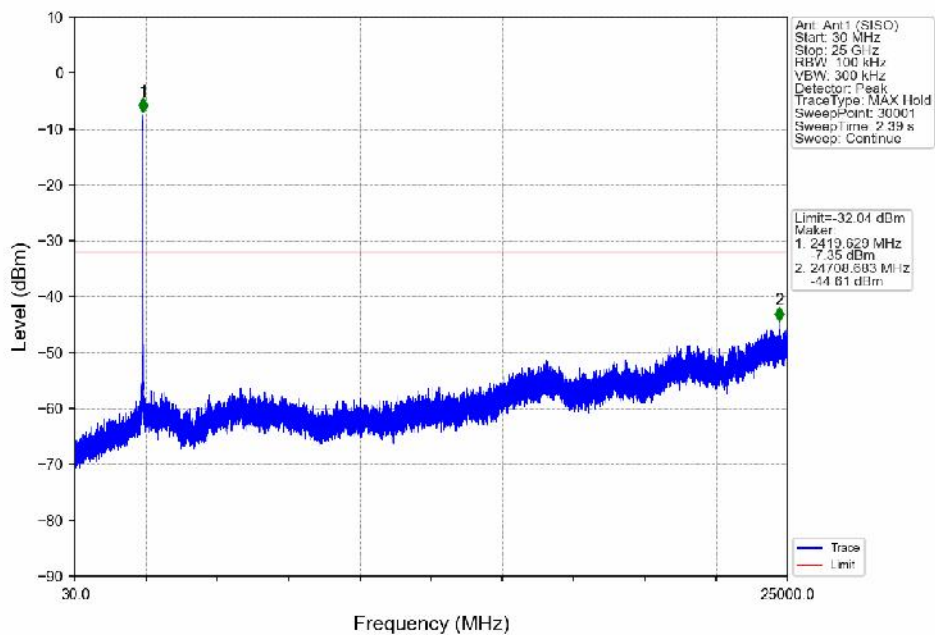
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



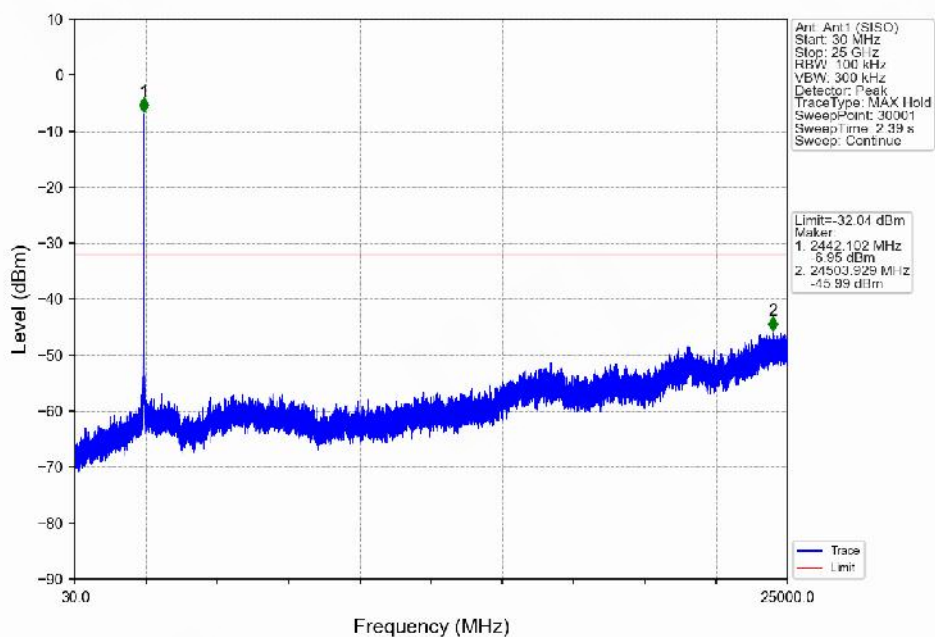
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



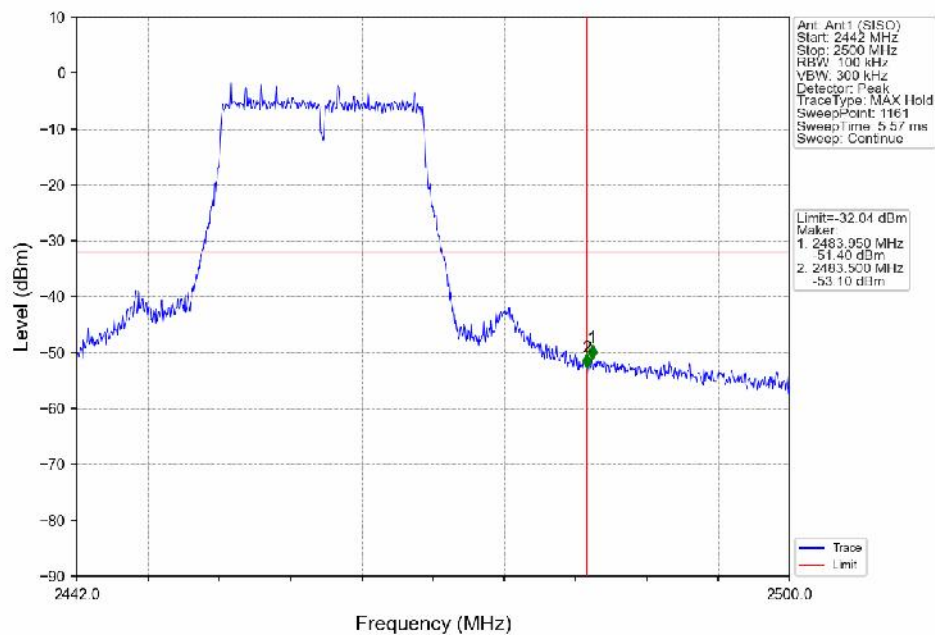
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



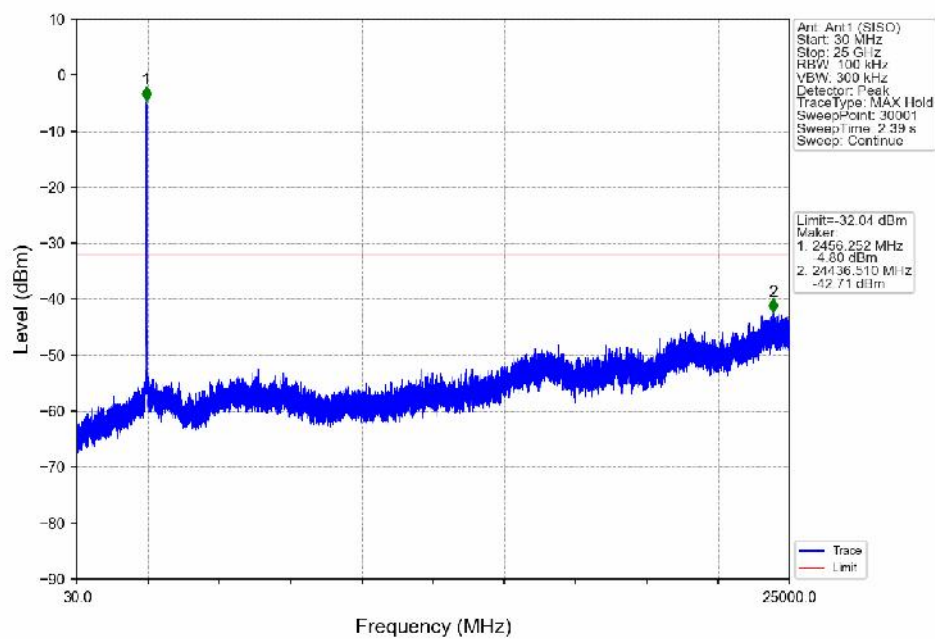
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



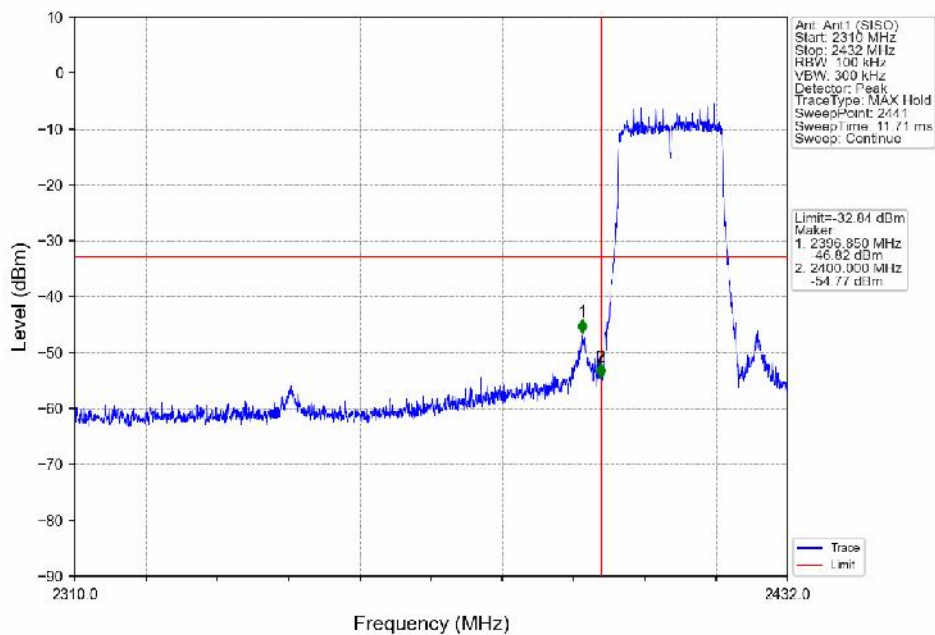
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



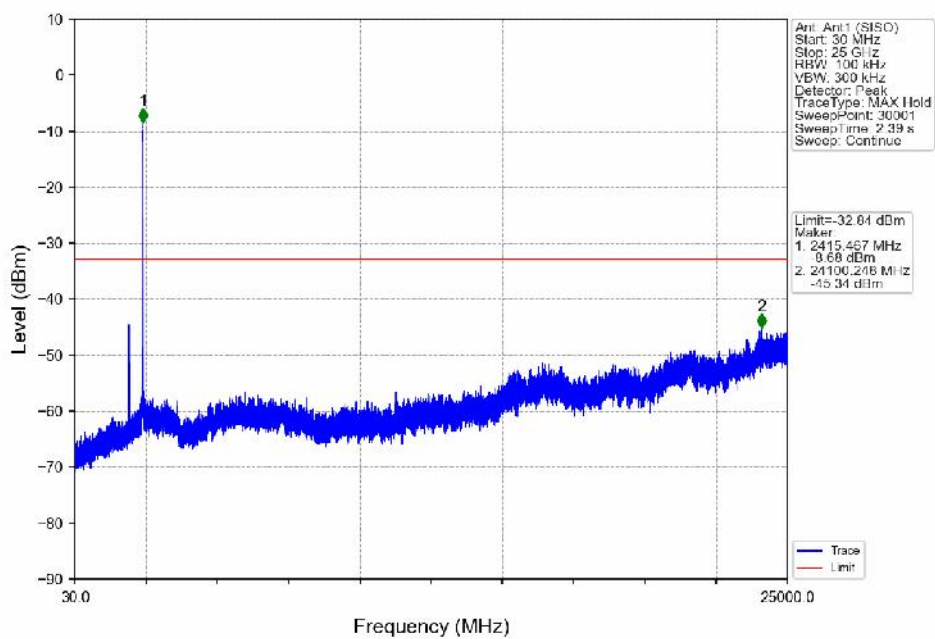
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



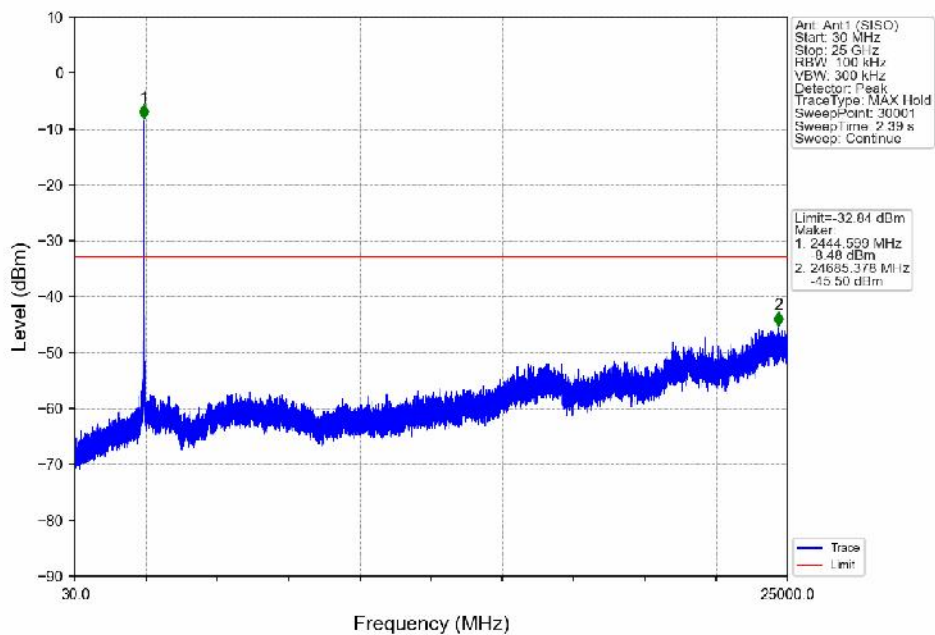
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



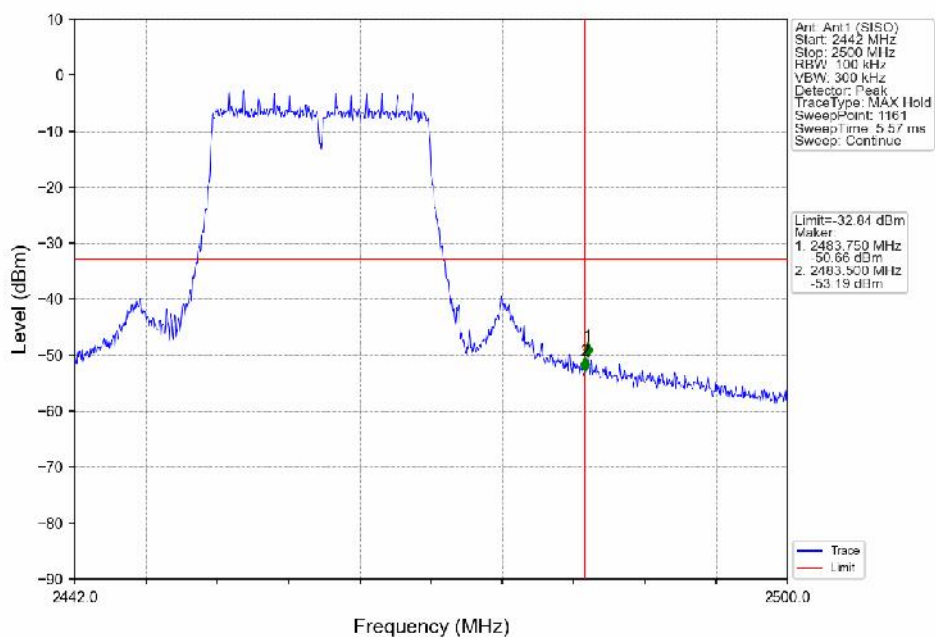
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

