

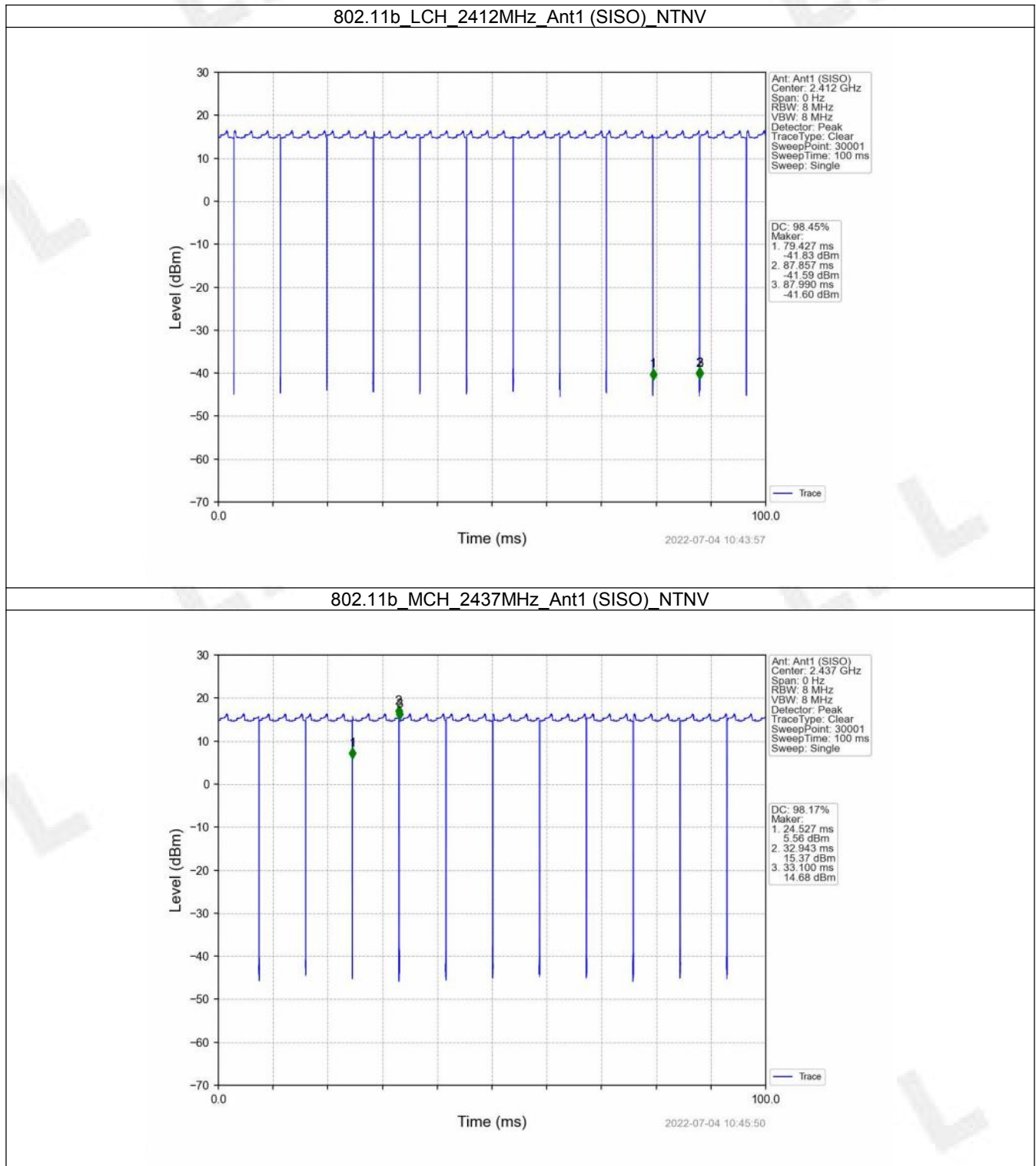
1. Duty Cycle

1.1 Ant1

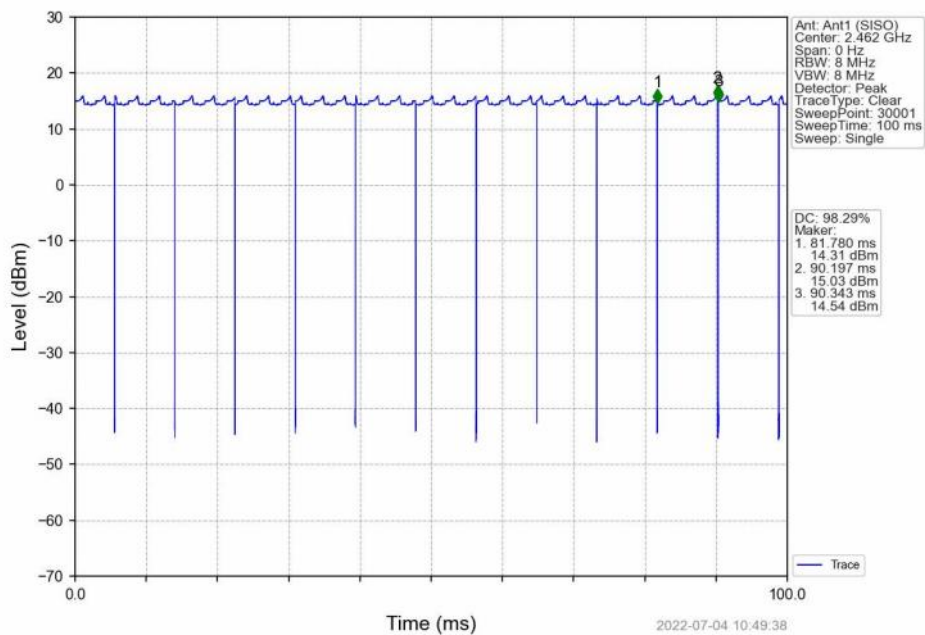
1.1.1 Test Result

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	8.430	8.563	98.45	0.07	0.97
		2437	8.416	8.573	98.17	0.08	0.65
		2462	8.417	8.563	98.29	0.07	1.48
802.11g	SISO	2412	1.400	1.502	93.21	0.31	4.73
		2437	1.398	1.512	92.46	0.34	4.63
		2462	1.397	1.538	90.83	0.42	6.22
802.11n (HT20)	SISO	2412	1.297	1.457	89.02	0.51	6.51
		2437	1.297	1.457	89.02	0.51	6.50
		2462	1.297	1.457	89.02	0.51	6.53
802.11n (HT40)	SISO	2422	0.640	0.769	83.22	0.80	13.68
		2437	0.641	0.788	81.35	0.90	15.56
		2452	0.637	0.796	80.03	0.97	13.75

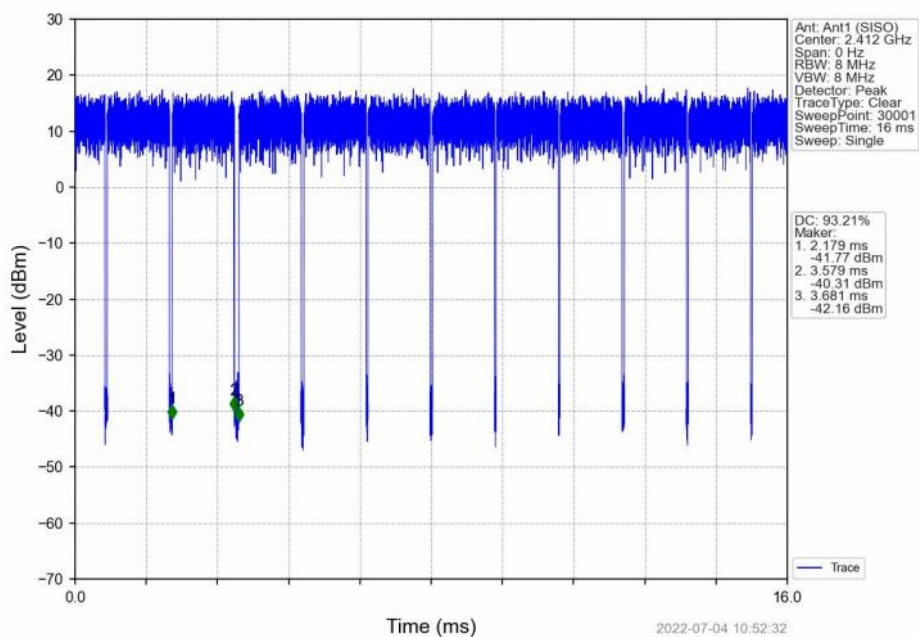
1.1.2 Test Graph



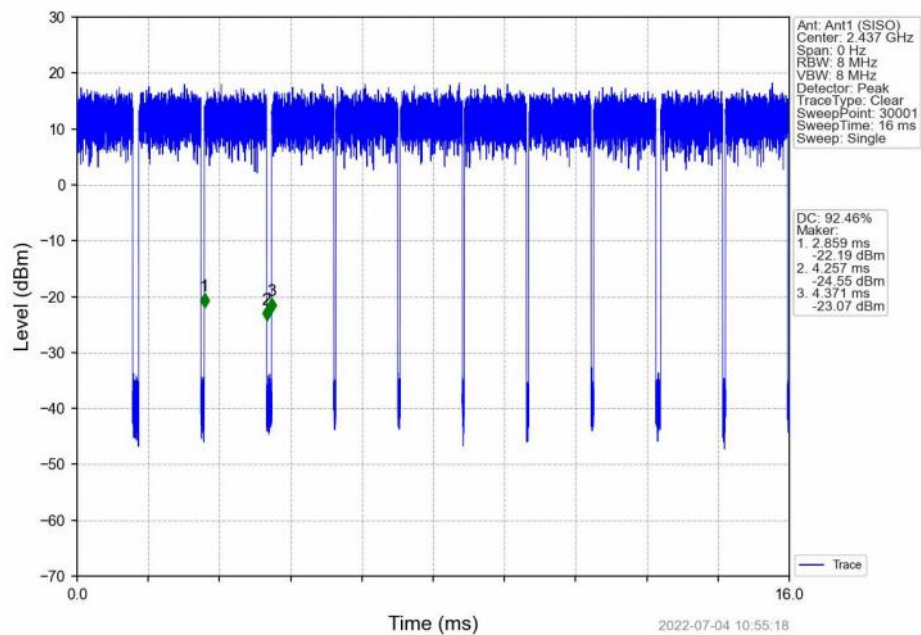
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



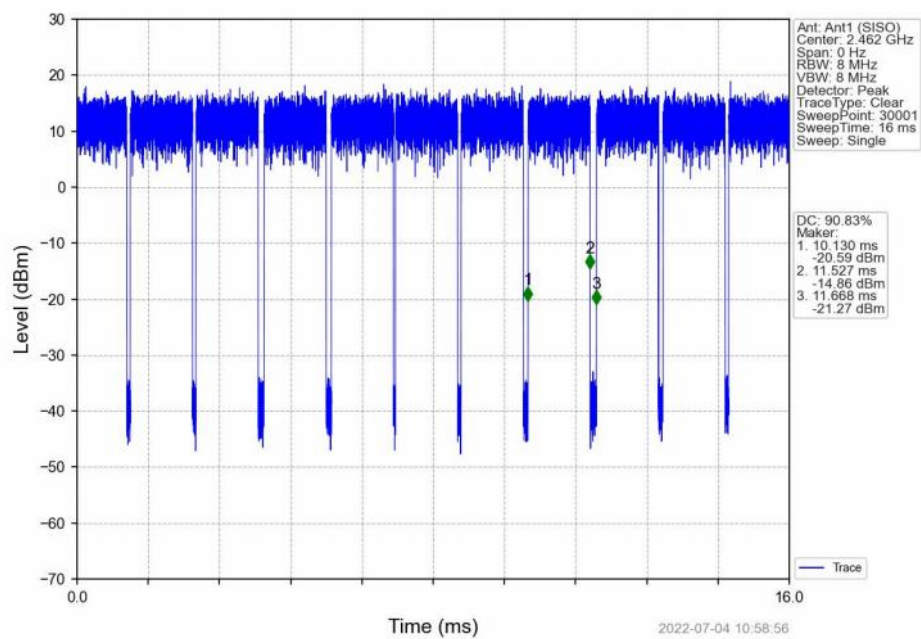
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



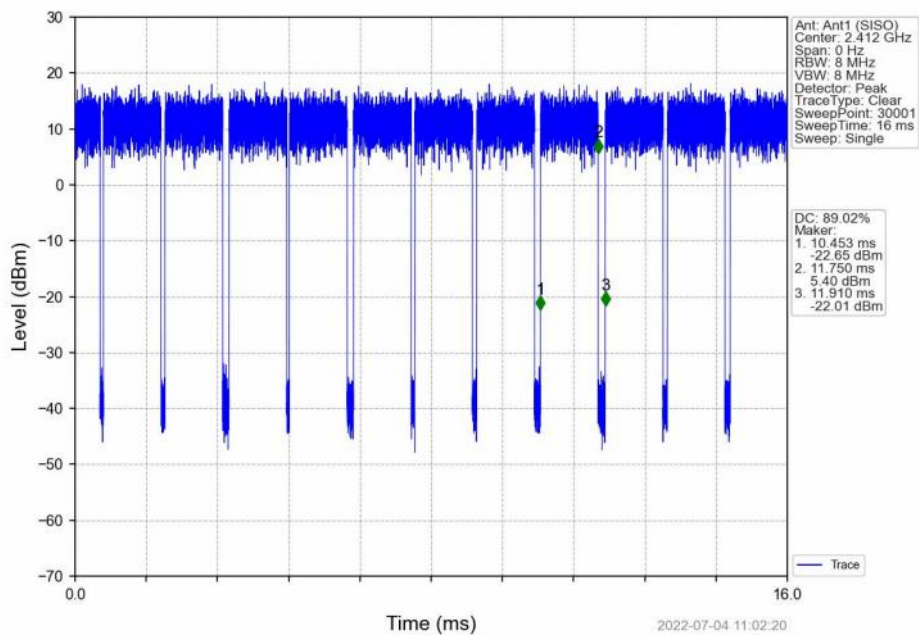
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



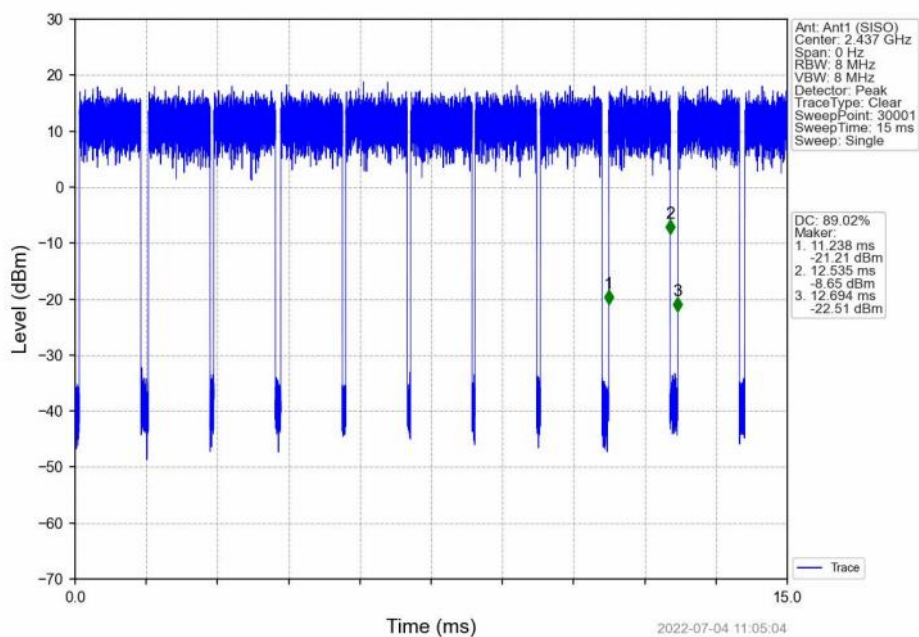
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



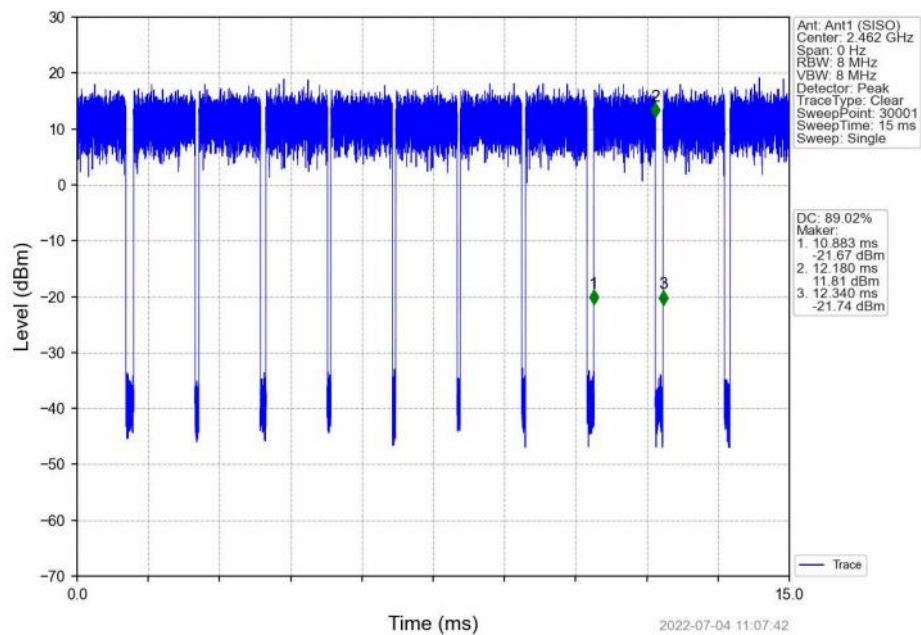
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



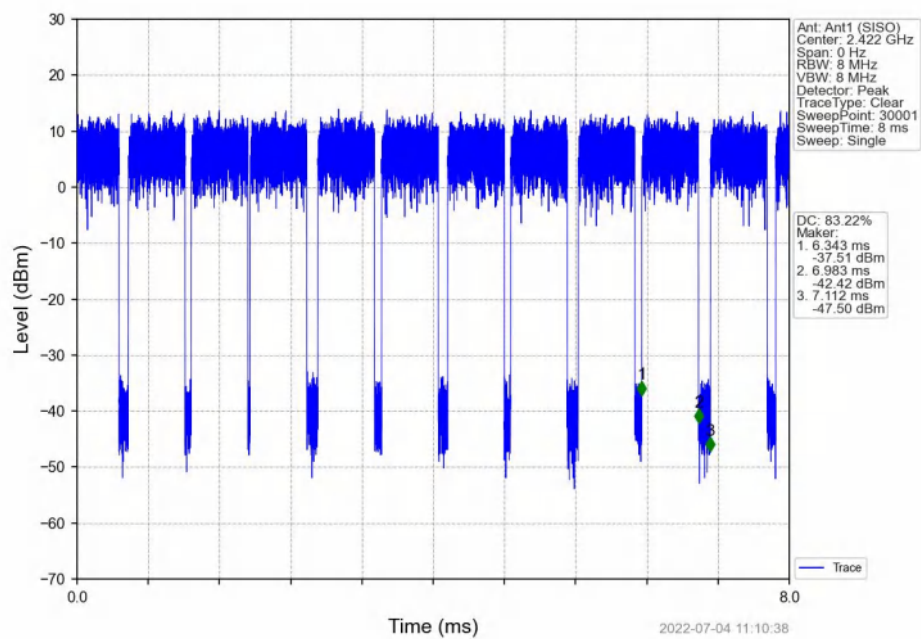
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



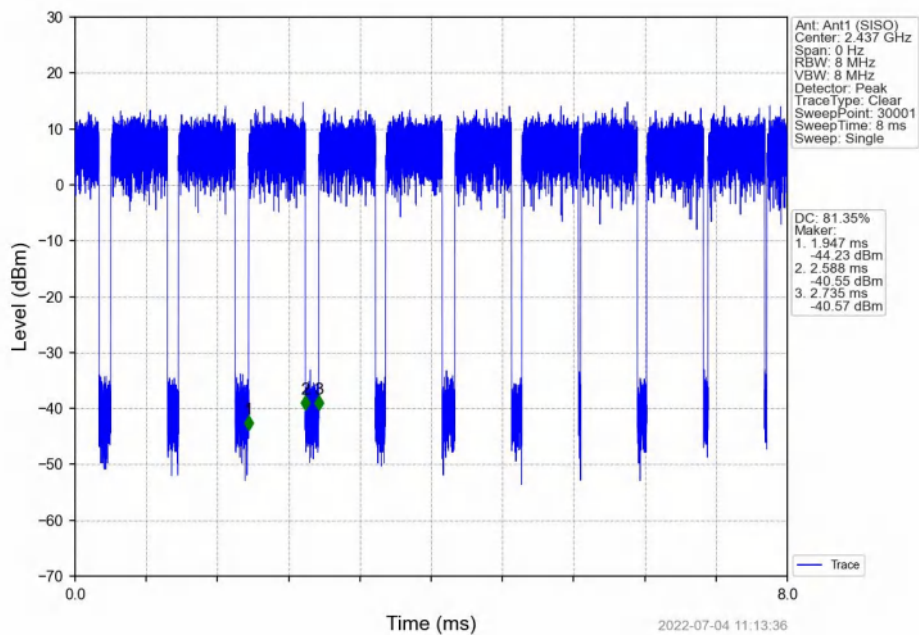
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



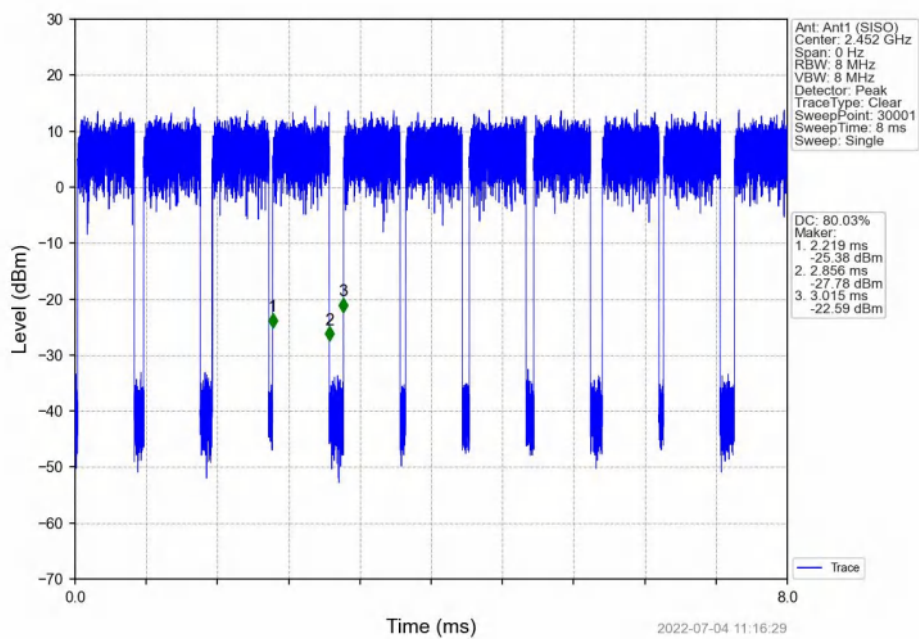
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



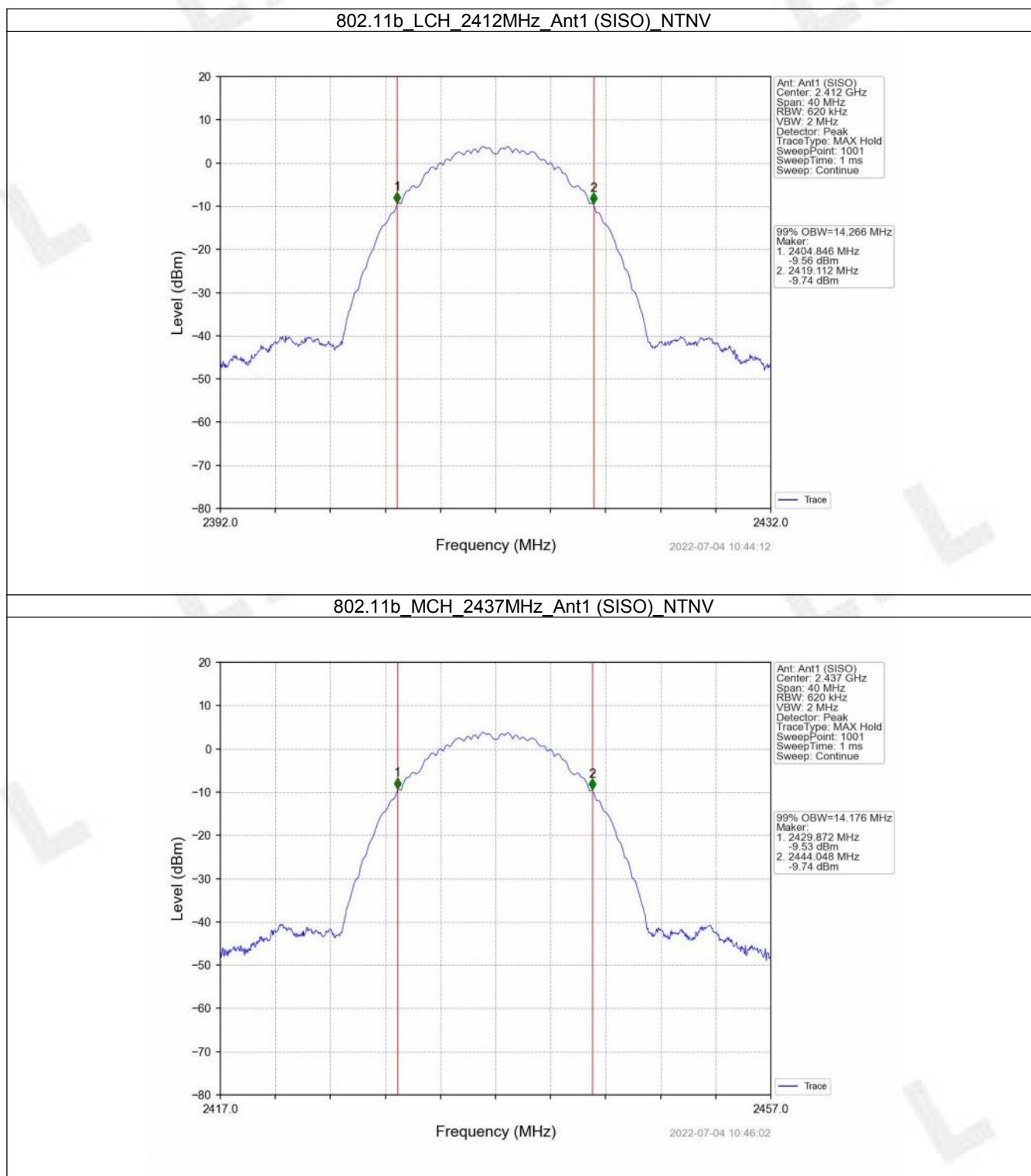
2. Bandwidth

2.1 OBW

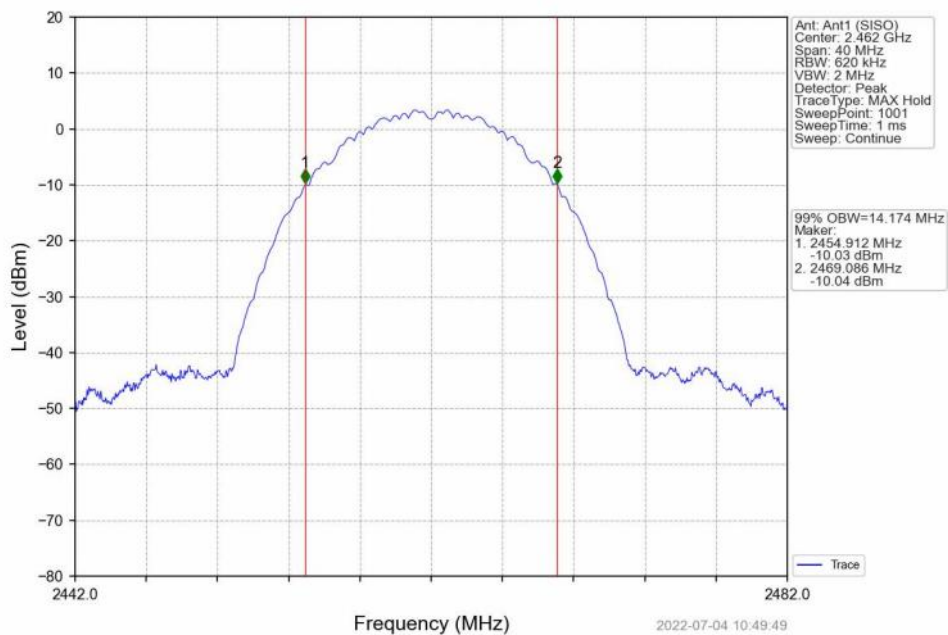
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	14.266	Pass
		2437	1	14.176	Pass
		2462	1	14.174	Pass
802.11g	SISO	2412	1	17.321	Pass
		2437	1	17.270	Pass
		2462	1	17.305	Pass
802.11n (HT20)	SISO	2412	1	18.056	Pass
		2437	1	18.012	Pass
		2462	1	18.011	Pass
802.11n (HT40)	SISO	2422	1	36.016	Pass
		2437	1	35.946	Pass
		2452	1	36.039	Pass

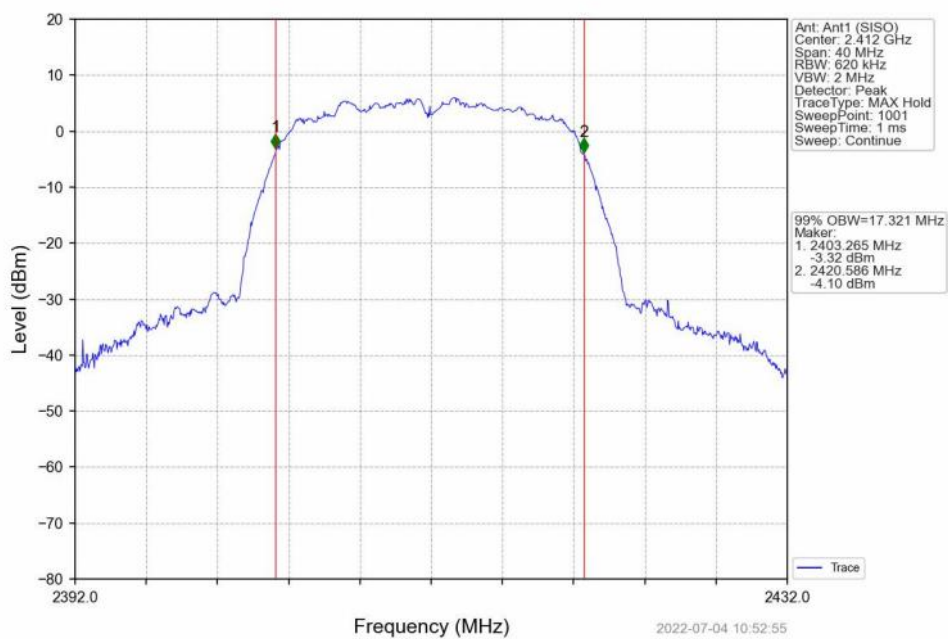
2.1.2 Test Graph



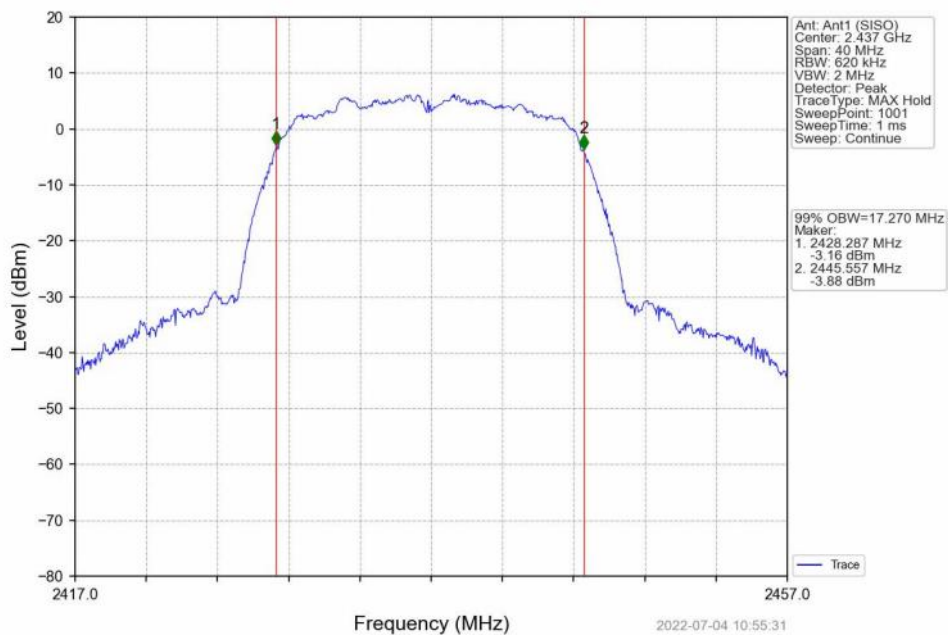
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



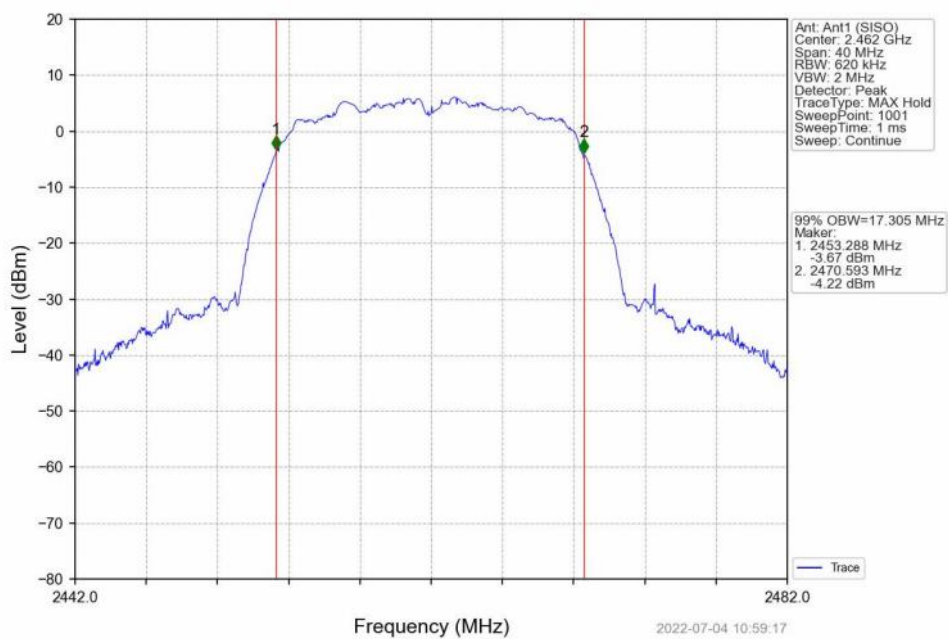
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



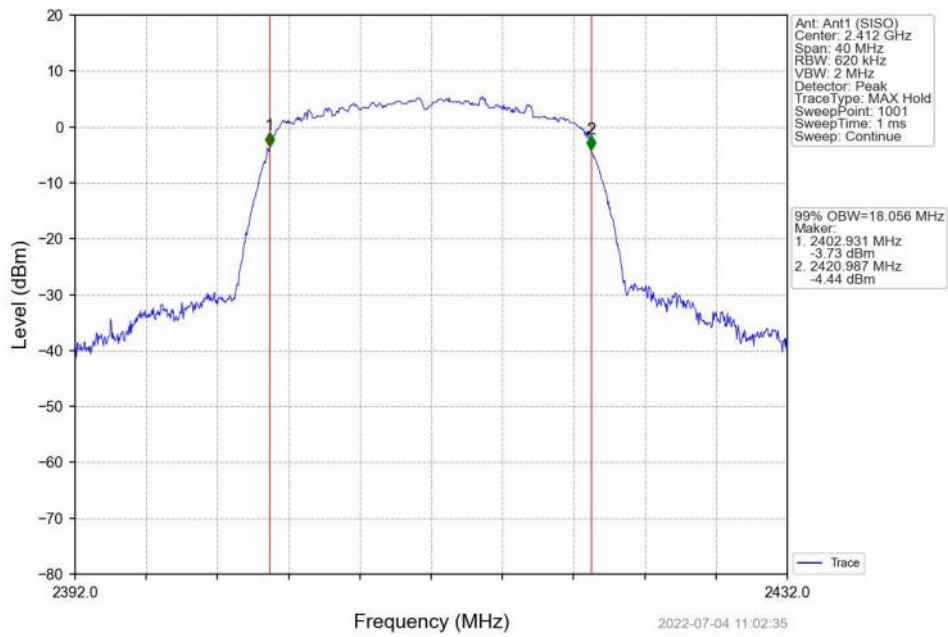
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



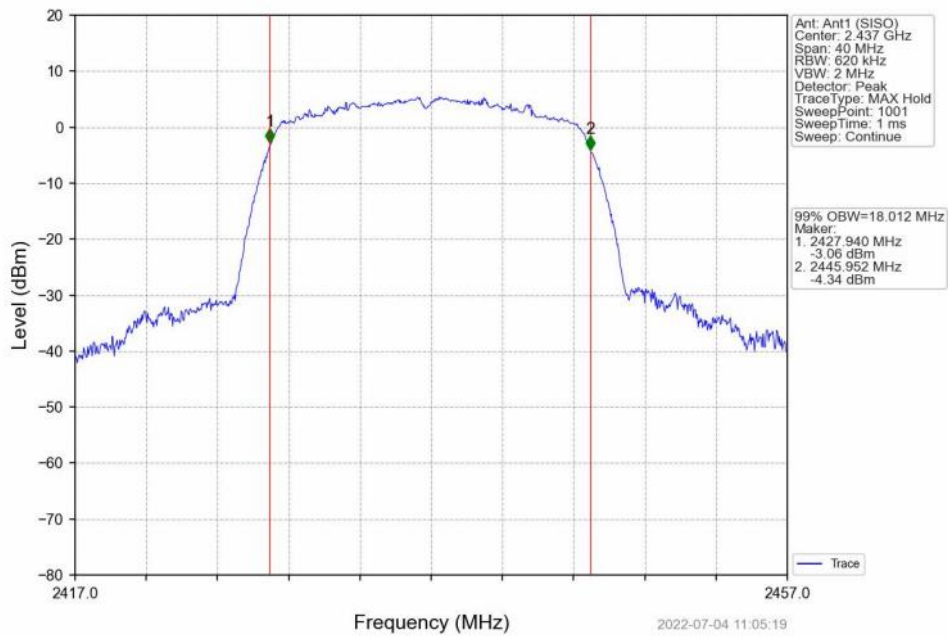
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



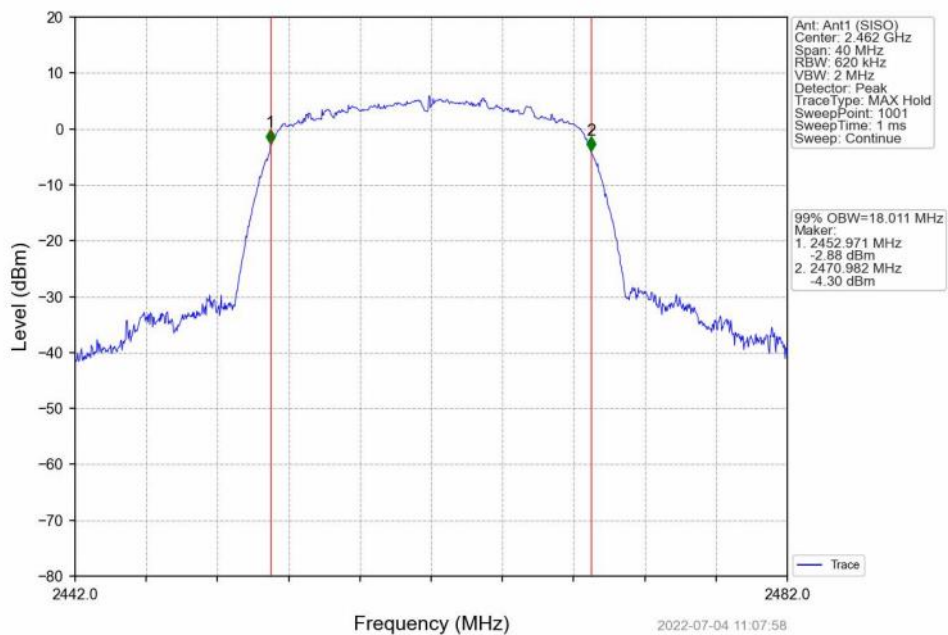
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



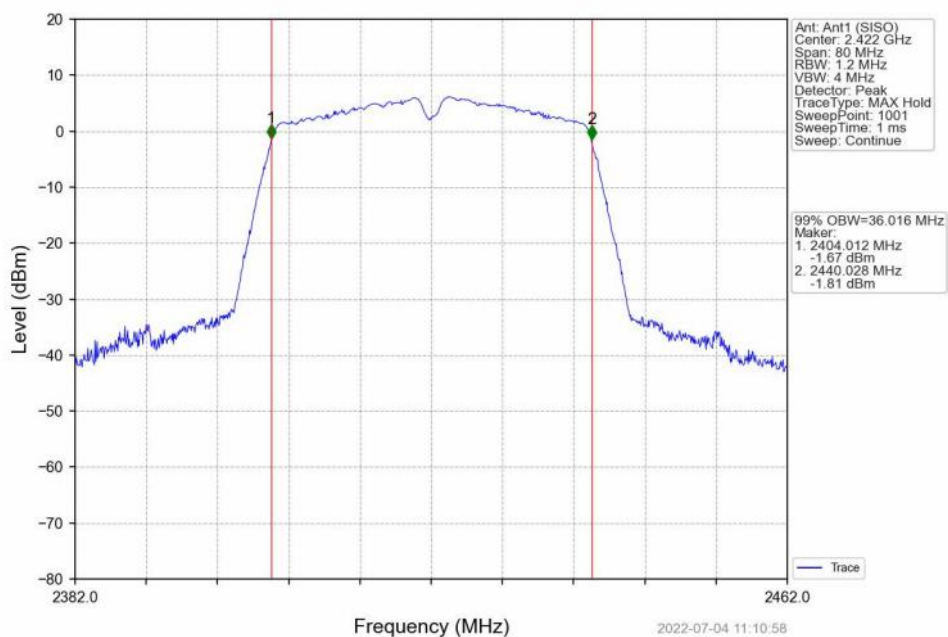
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



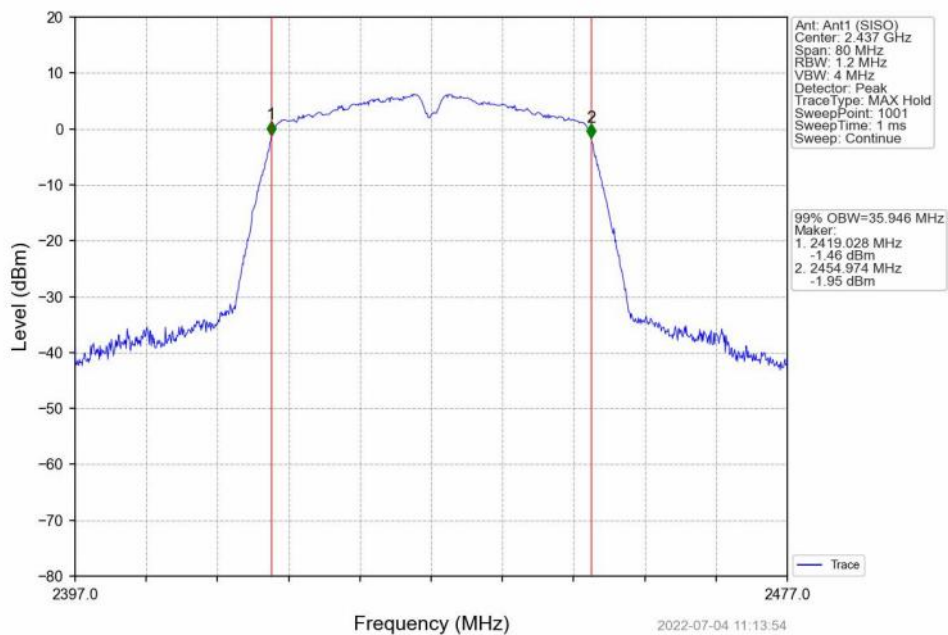
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



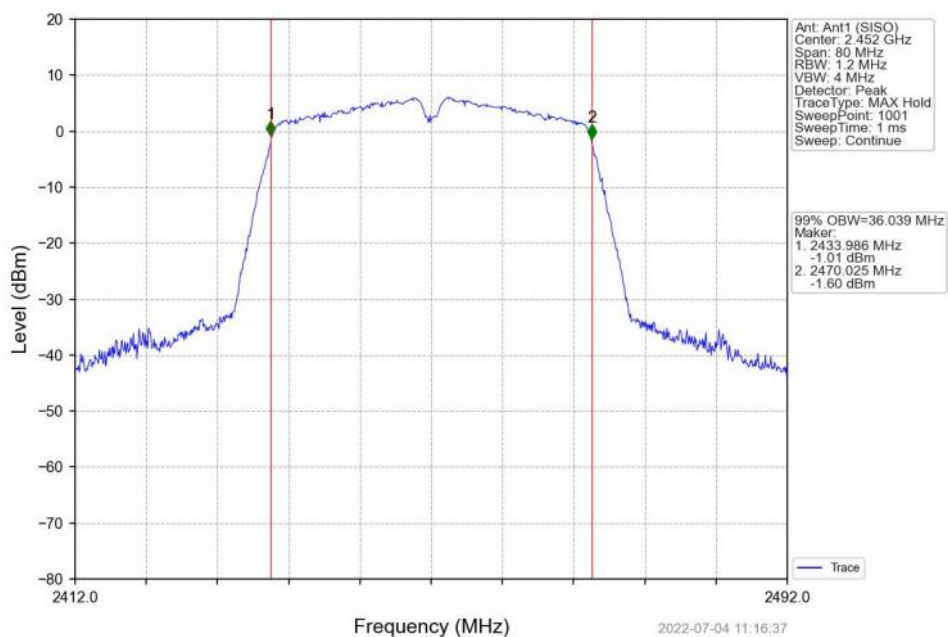
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

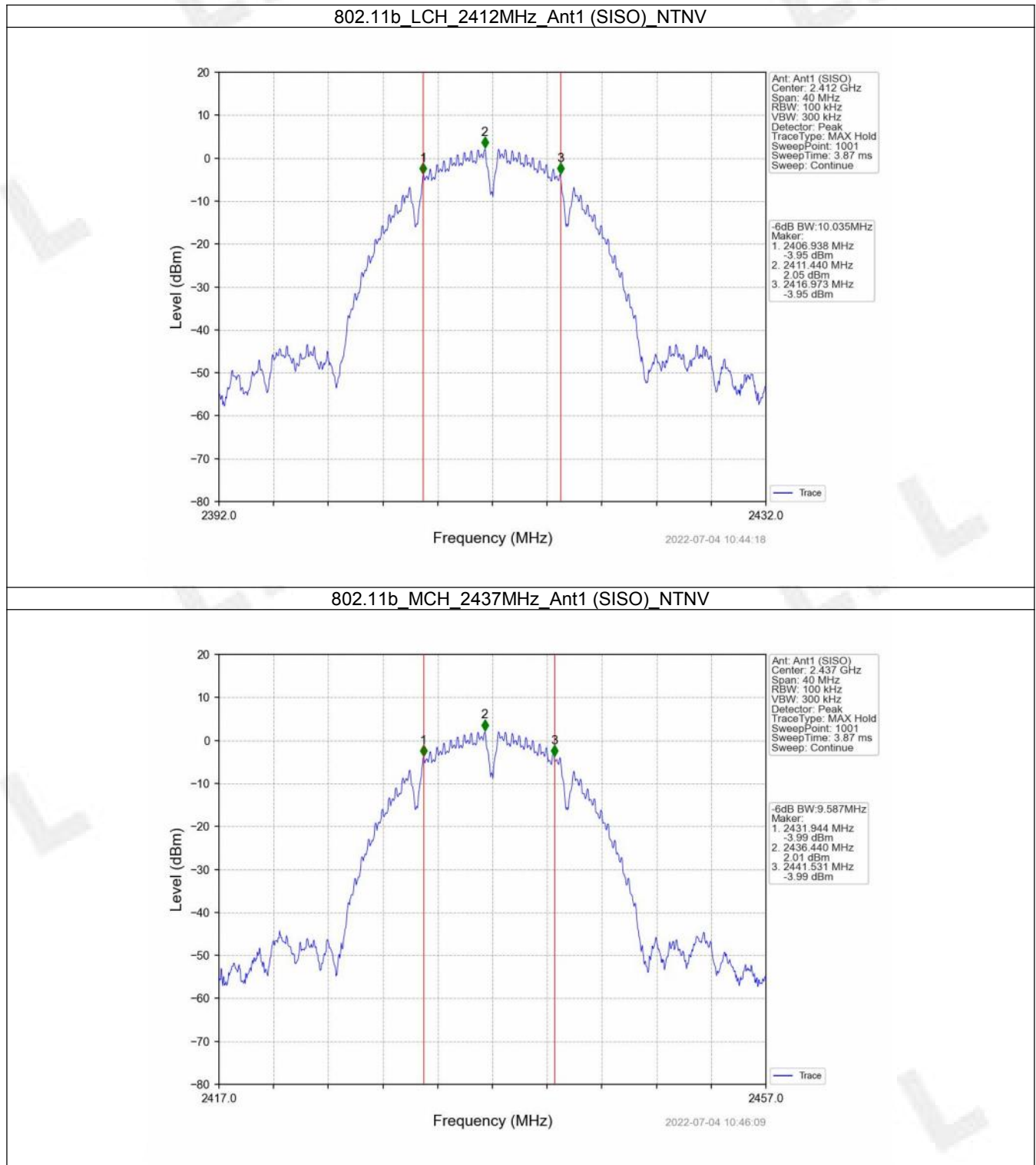


2.2 6dB BW

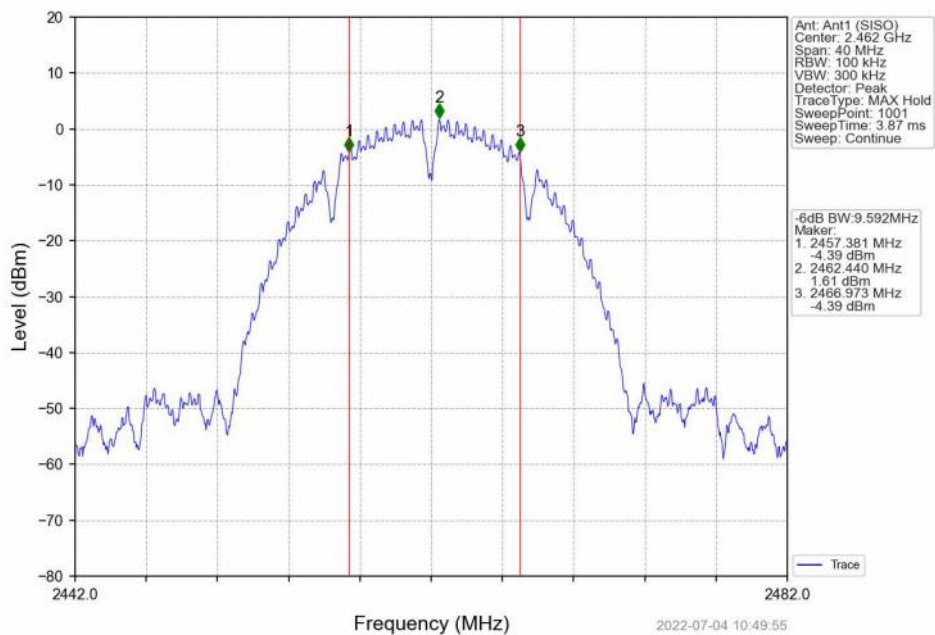
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.035	≥ 0.5	Pass
		2437	1	9.587	≥ 0.5	Pass
		2462	1	9.592	≥ 0.5	Pass
802.11g	SISO	2412	1	15.140	≥ 0.5	Pass
		2437	1	15.135	≥ 0.5	Pass
		2462	1	15.141	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.148	≥ 0.5	Pass
		2437	1	15.143	≥ 0.5	Pass
		2462	1	15.146	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.131	≥ 0.5	Pass
		2437	1	35.123	≥ 0.5	Pass
		2452	1	35.136	≥ 0.5	Pass

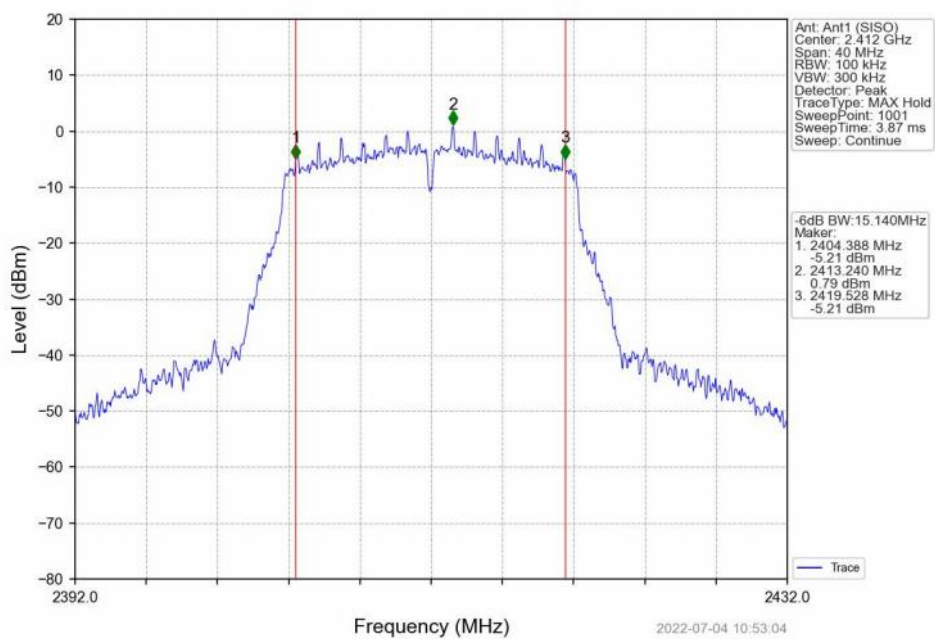
2.2.2 Test Graph



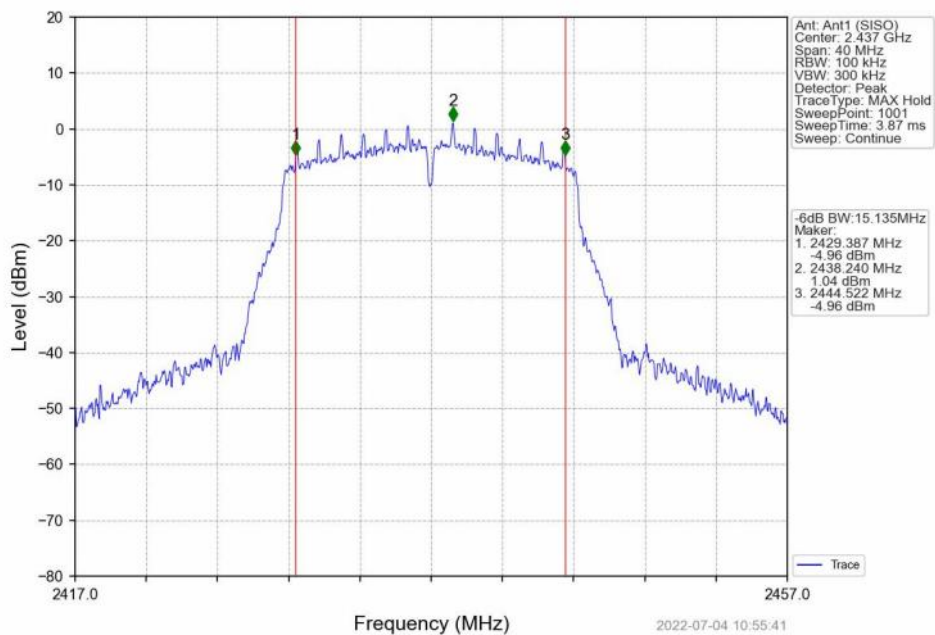
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



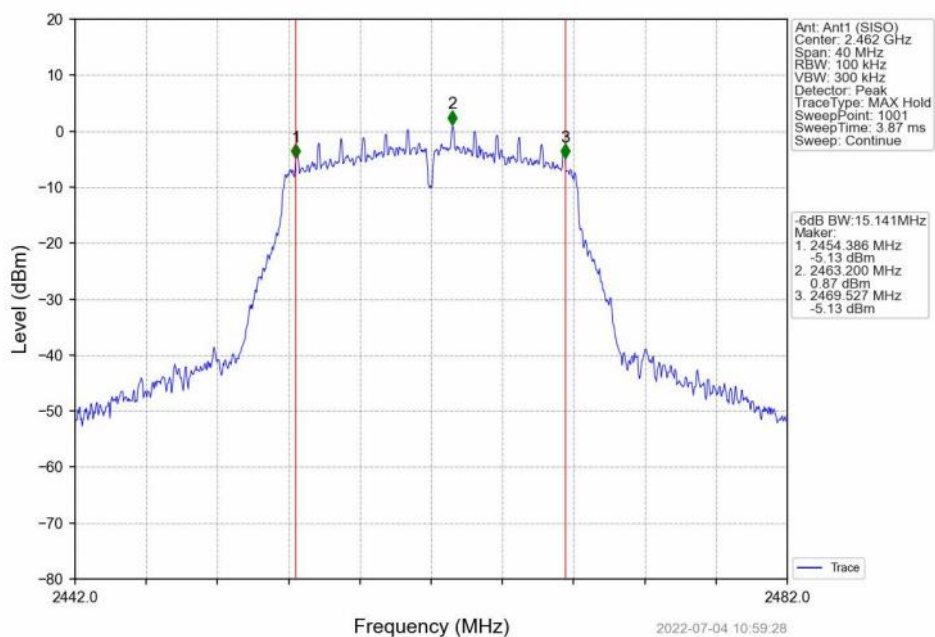
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



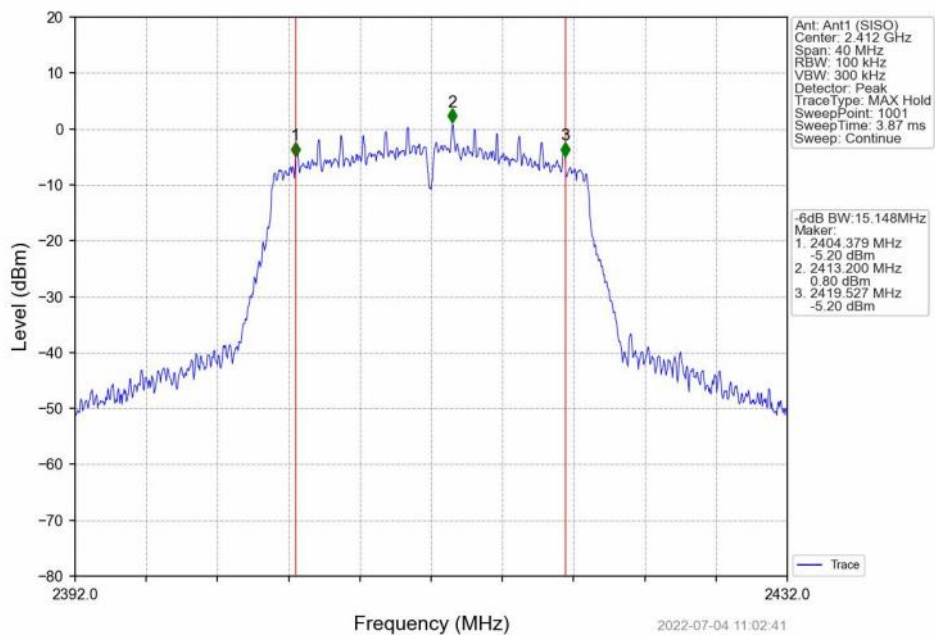
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



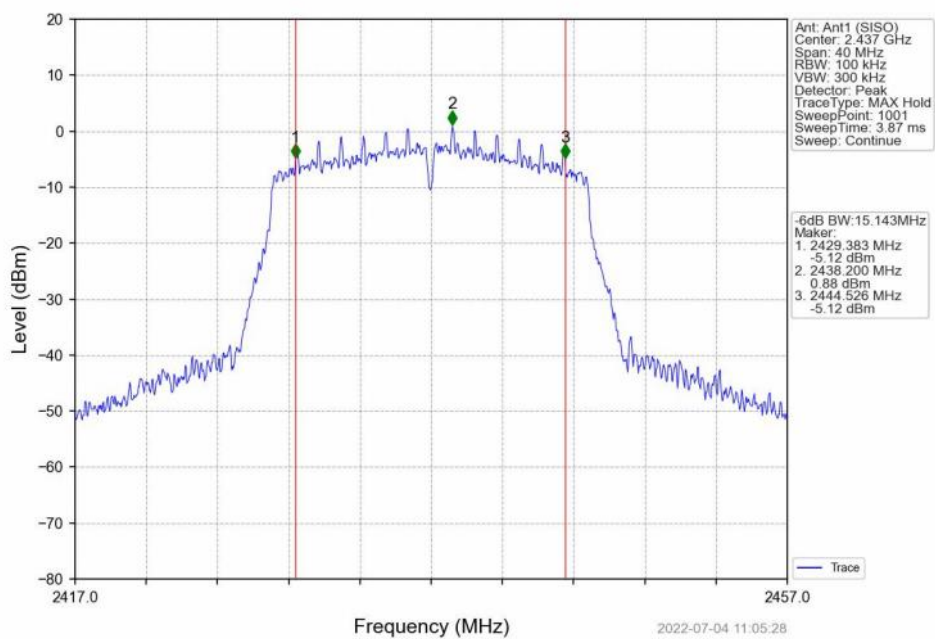
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



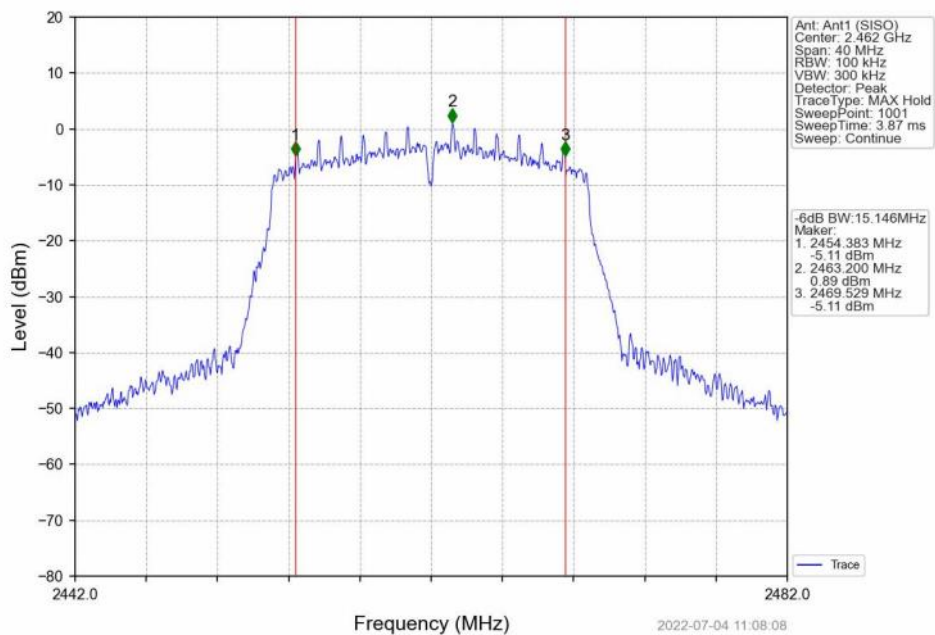
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



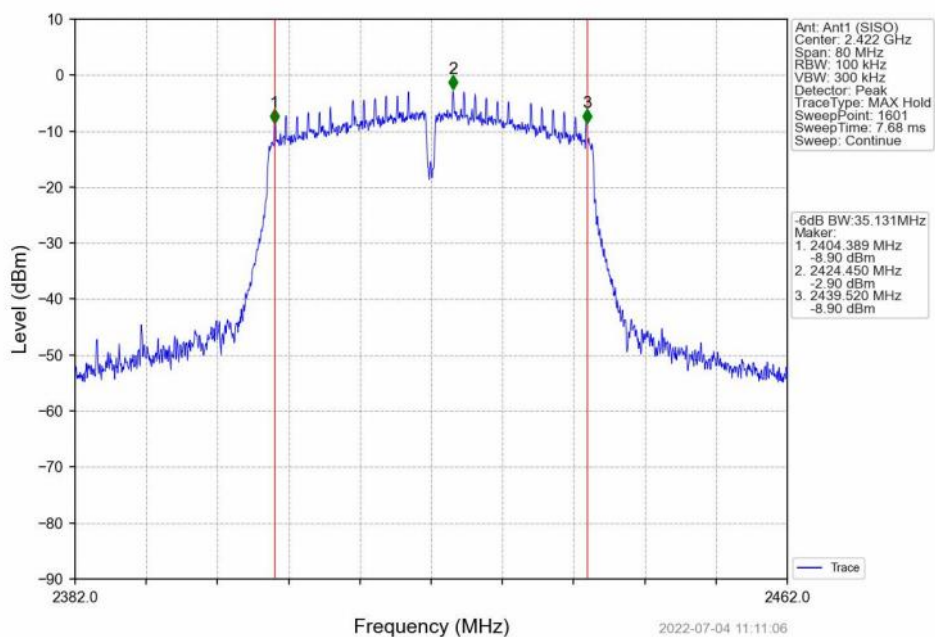
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



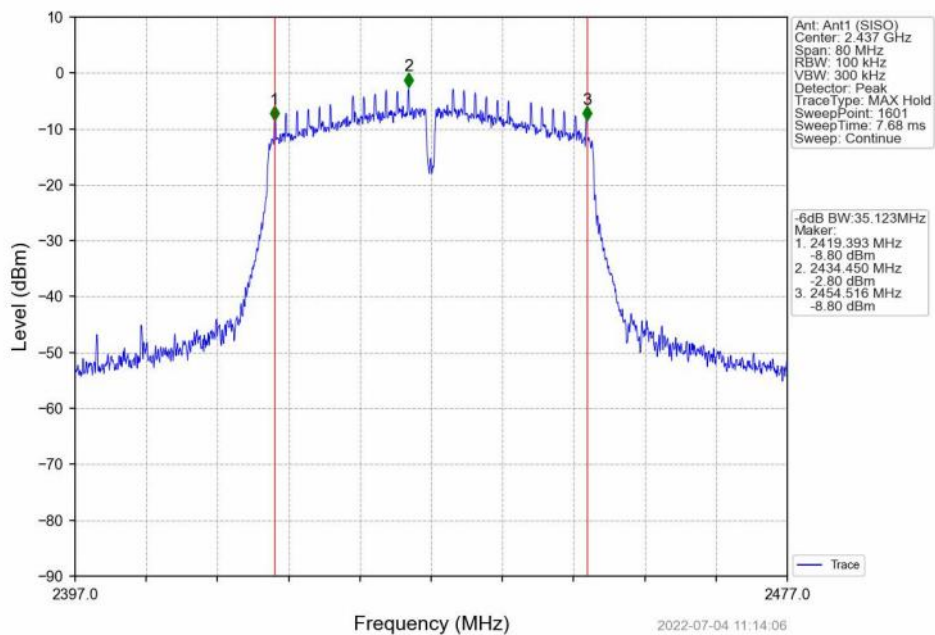
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



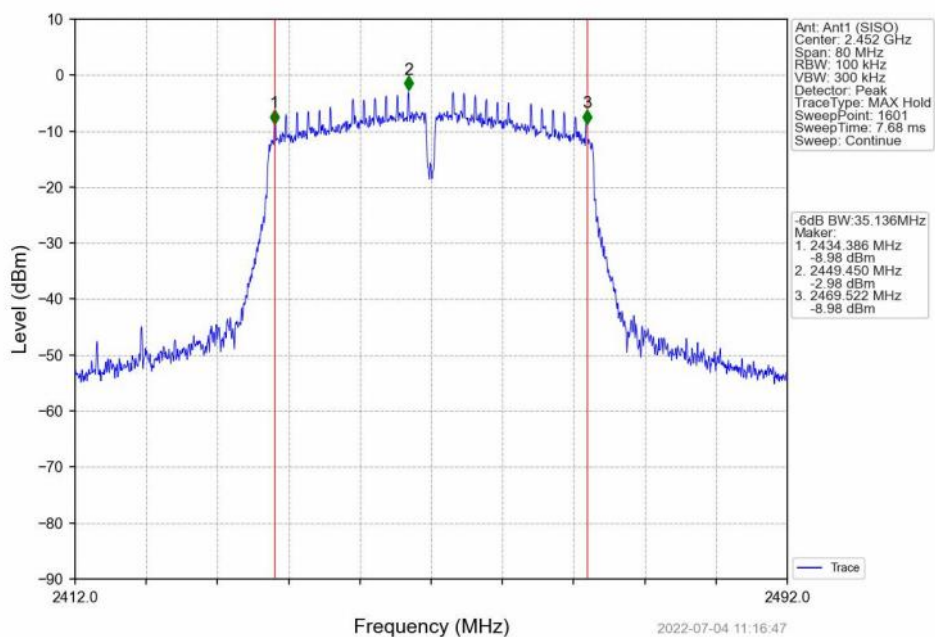
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



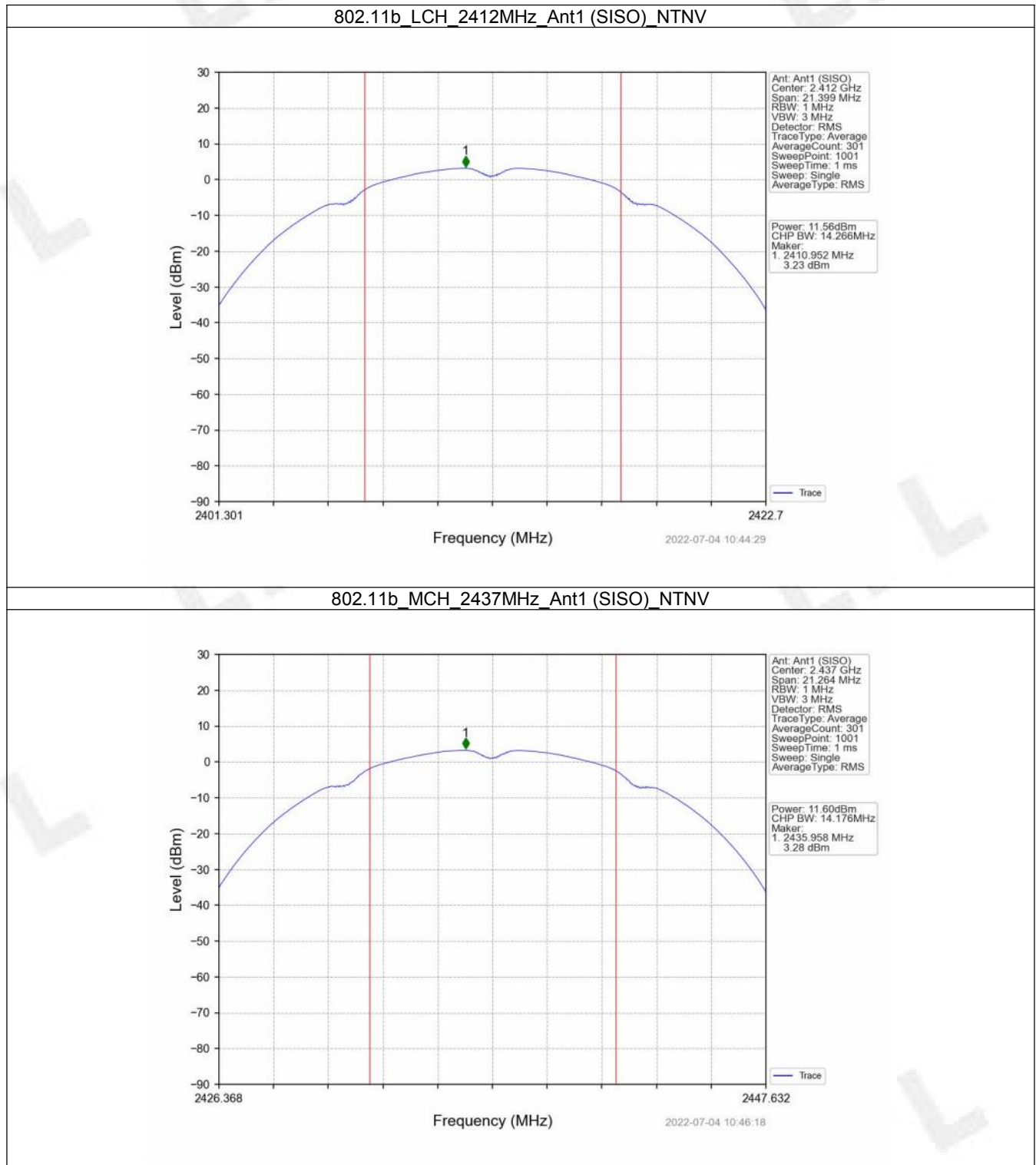
3. Maximum Conducted Output Power

3.1 Power

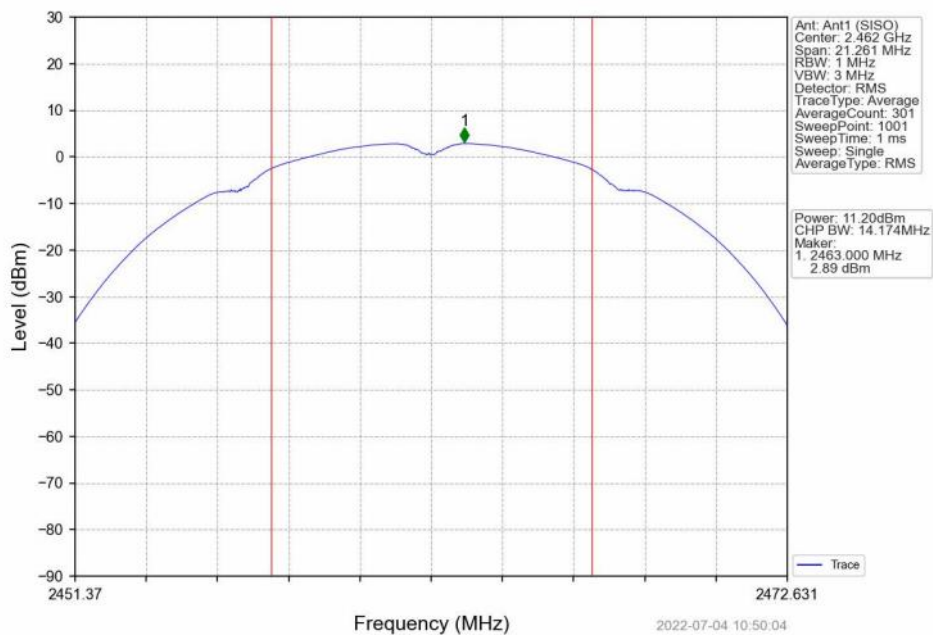
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	11.56	<=30	Pass
		2437	11.60	<=30	Pass
		2462	11.20	<=30	Pass
802.11g	SISO	2412	10.75	<=30	Pass
		2437	10.97	<=30	Pass
		2462	10.75	<=30	Pass
802.11n (HT20)	SISO	2412	10.73	<=30	Pass
		2437	10.73	<=30	Pass
		2462	10.64	<=30	Pass
802.11n (HT40)	SISO	2422	9.97	<=30	Pass
		2437	10.02	<=30	Pass
		2452	9.97	<=30	Pass
Note1: Antenna Gain: Ant1: 2.50dBi;					

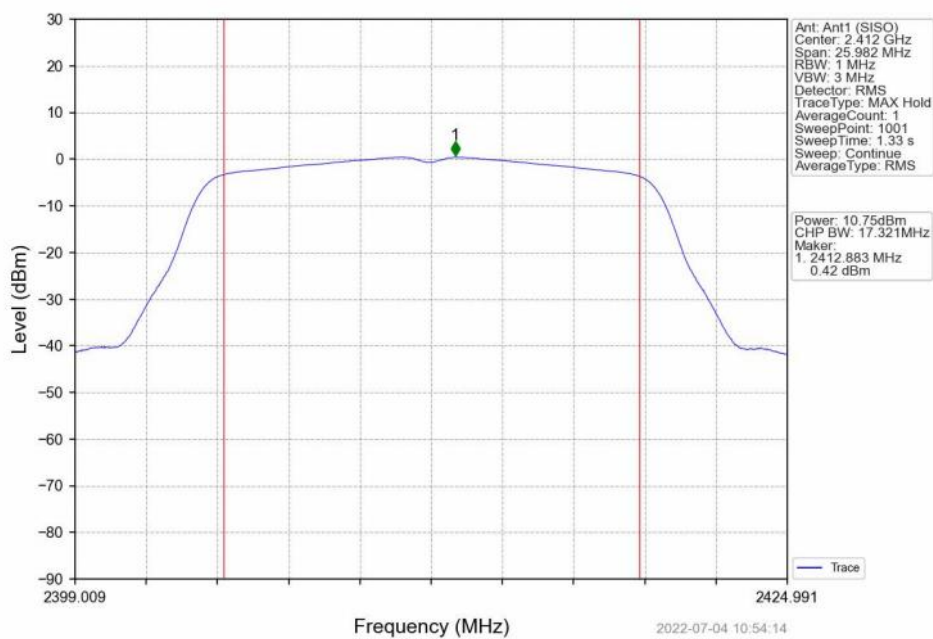
3.1.2 Test Graph



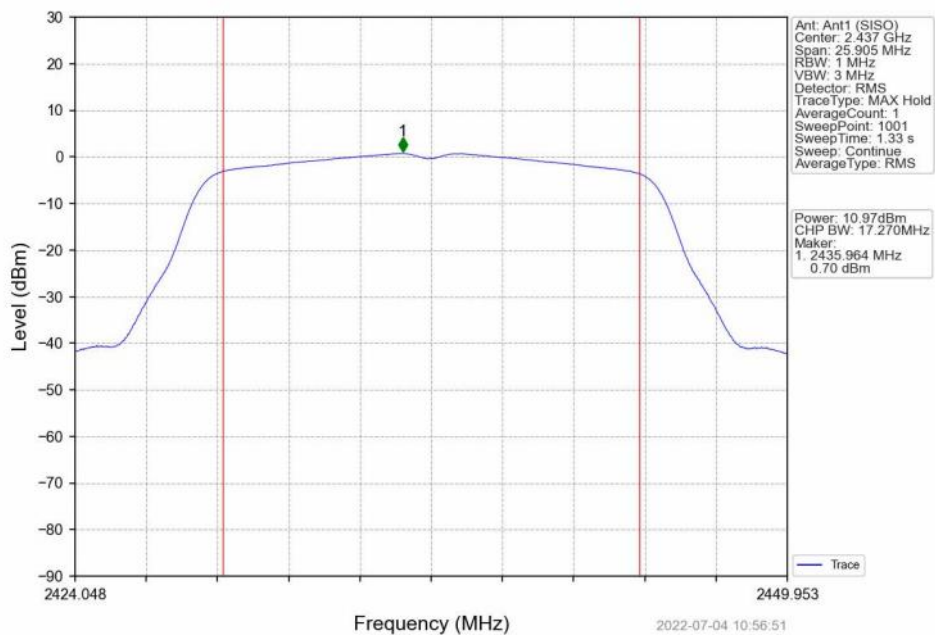
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



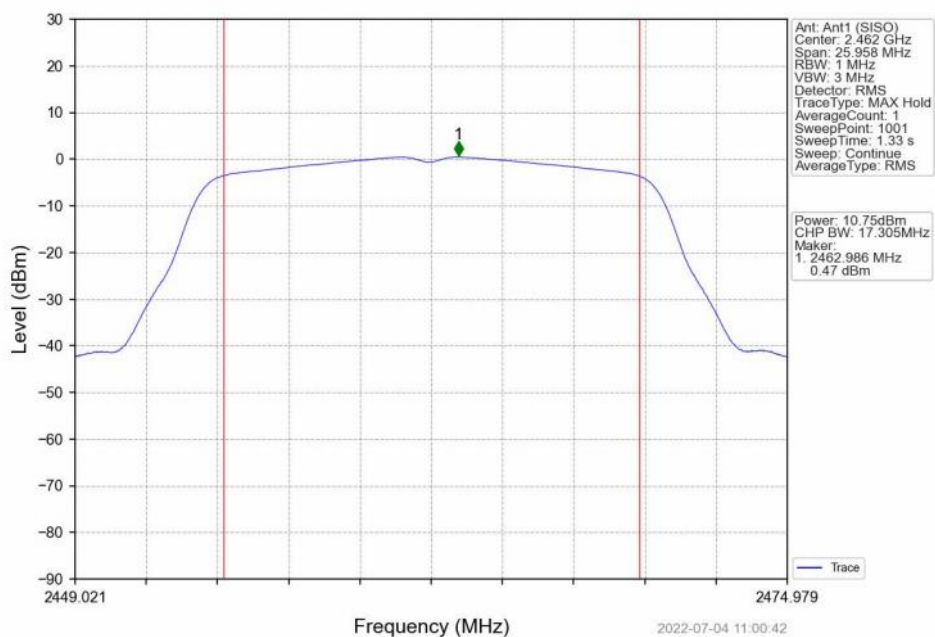
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



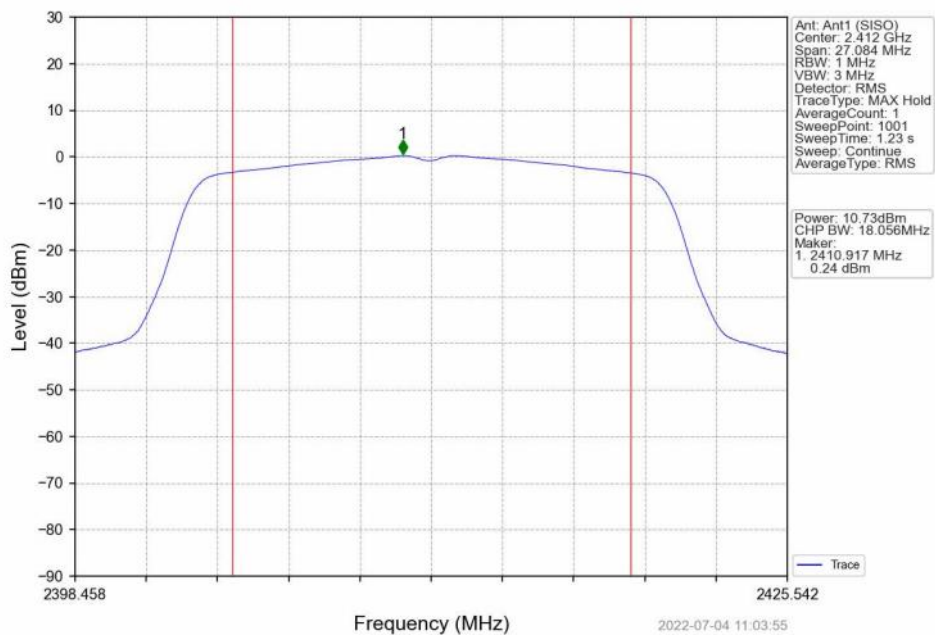
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



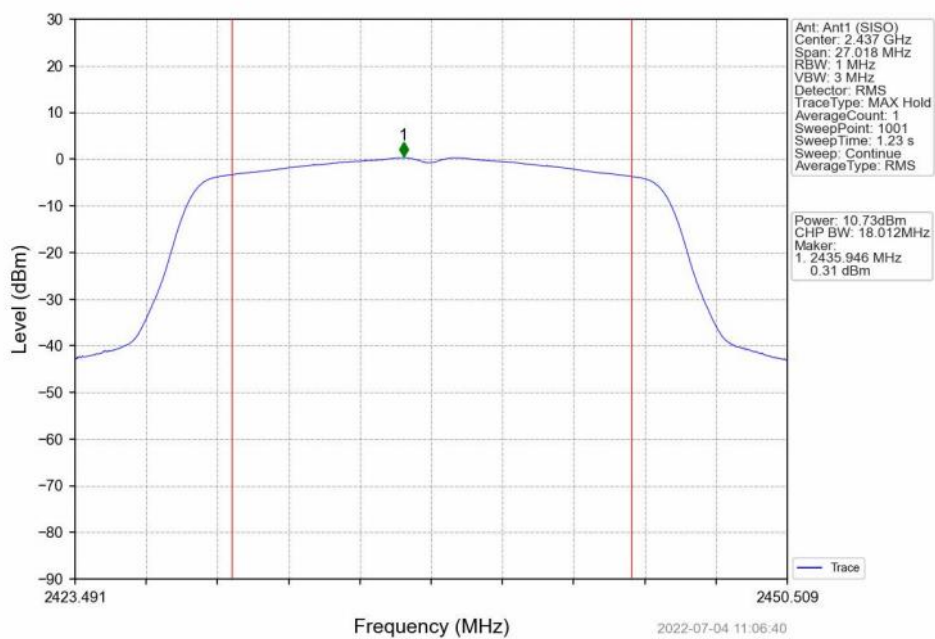
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



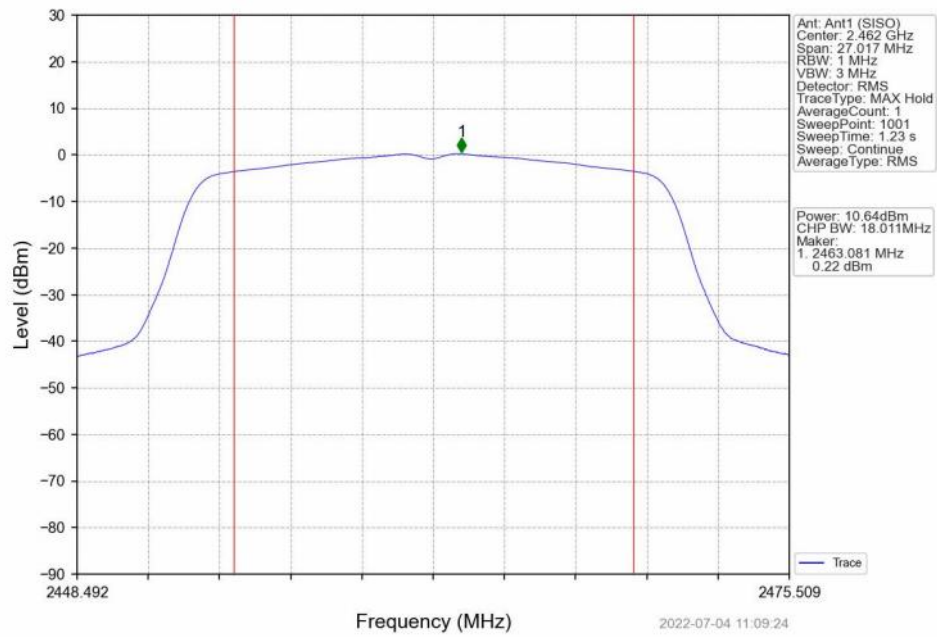
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



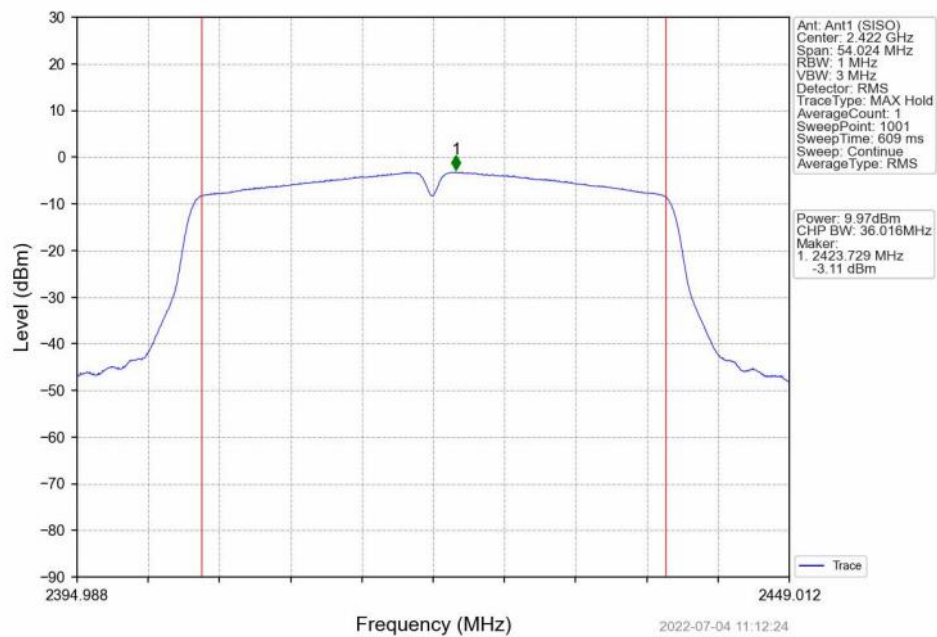
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



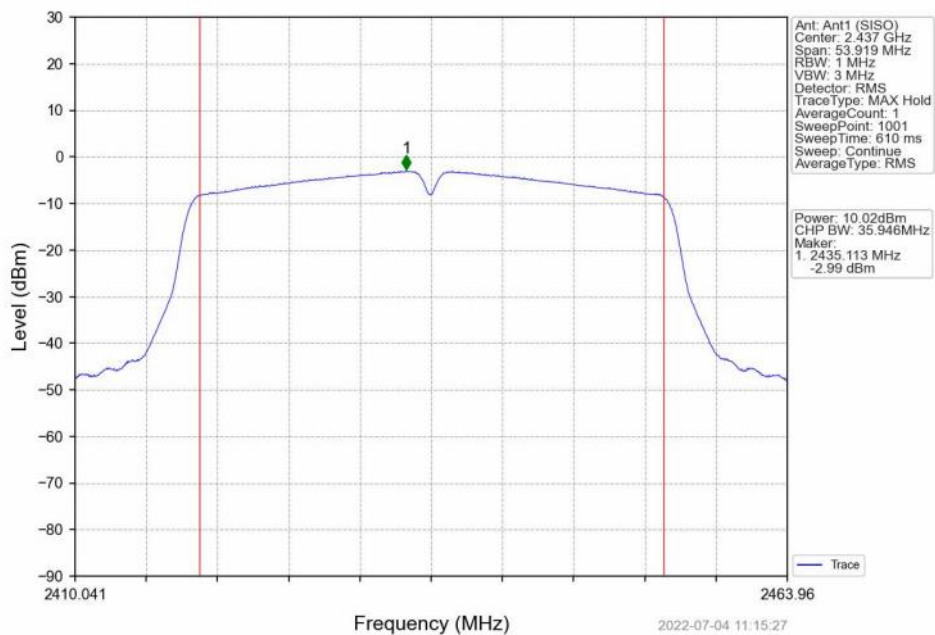
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



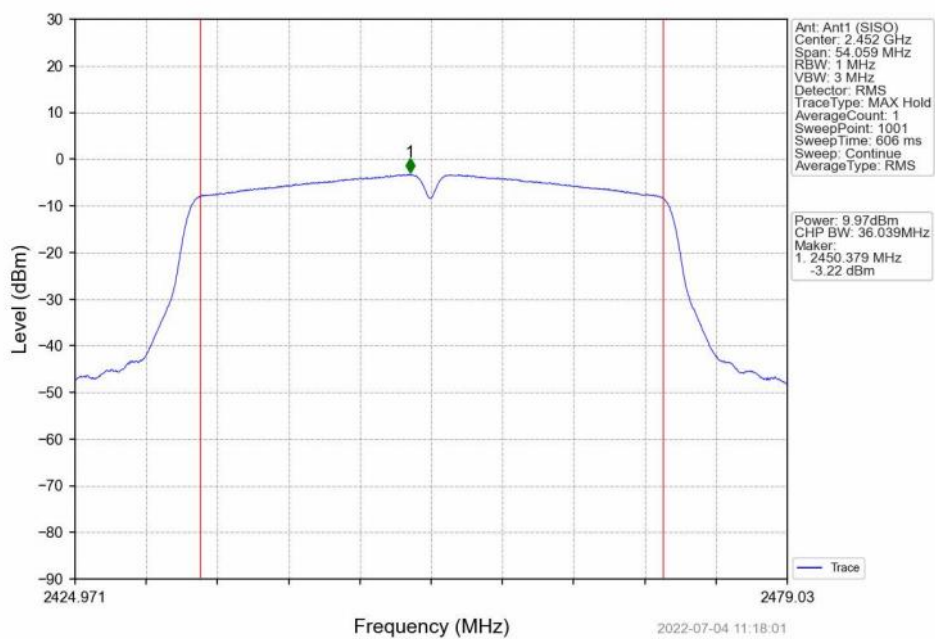
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



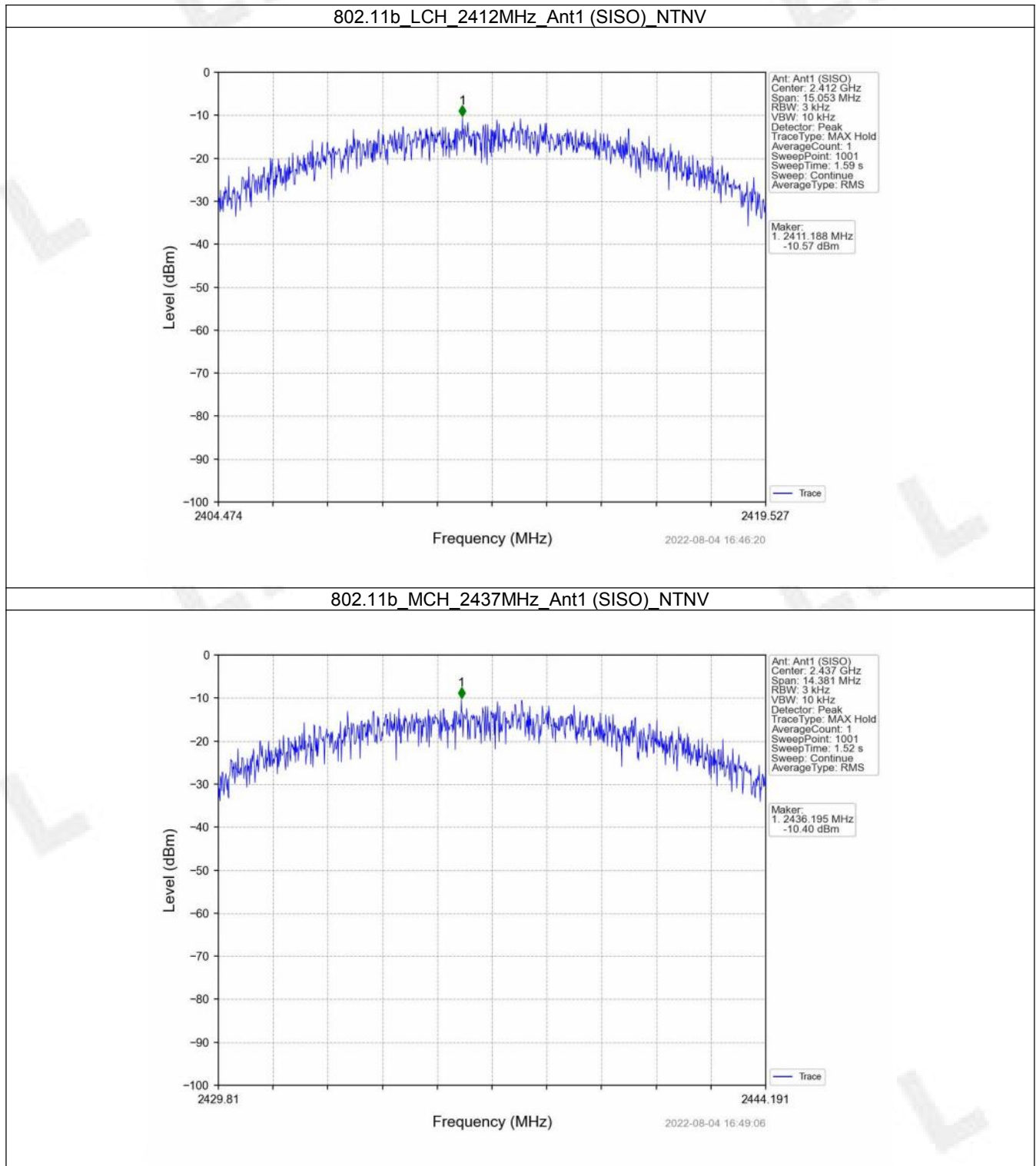
4. Maximum Power Spectral Density

4.1 PSD

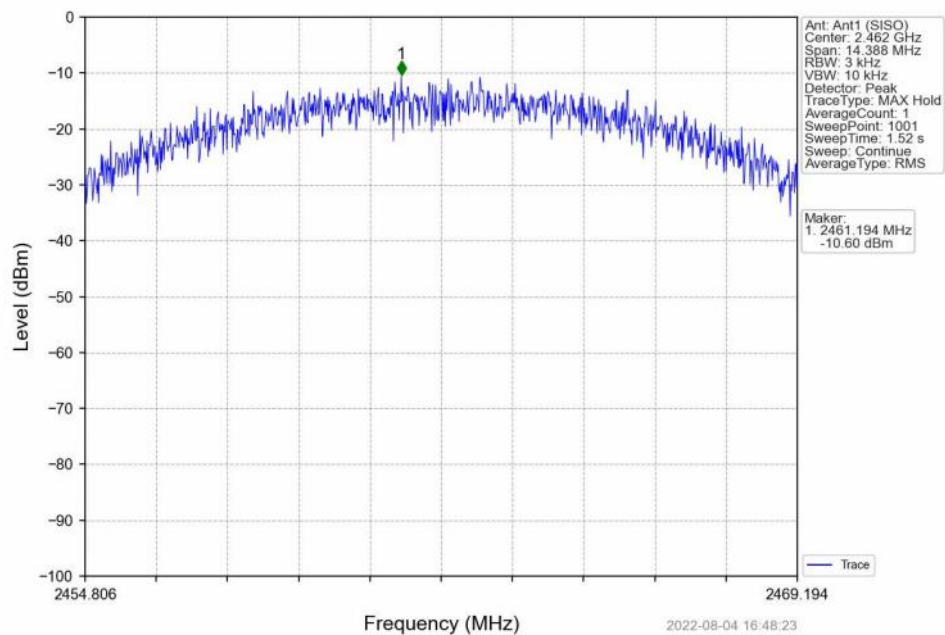
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.57	<=8	Pass
		2437	-10.40	<=8	Pass
		2462	-10.60	<=8	Pass
802.11g	SISO	2412	-16.10	<=8	Pass
		2437	-16.05	<=8	Pass
		2462	-15.99	<=8	Pass
802.11n (HT20)	SISO	2412	-16.29	<=8	Pass
		2437	-15.76	<=8	Pass
		2462	-16.13	<=8	Pass
802.11n (HT40)	SISO	2422	-18.85	<=8	Pass
		2437	-18.68	<=8	Pass
		2452	-18.57	<=8	Pass
Note1: Antenna Gain: Ant1: 2.50dBi;					

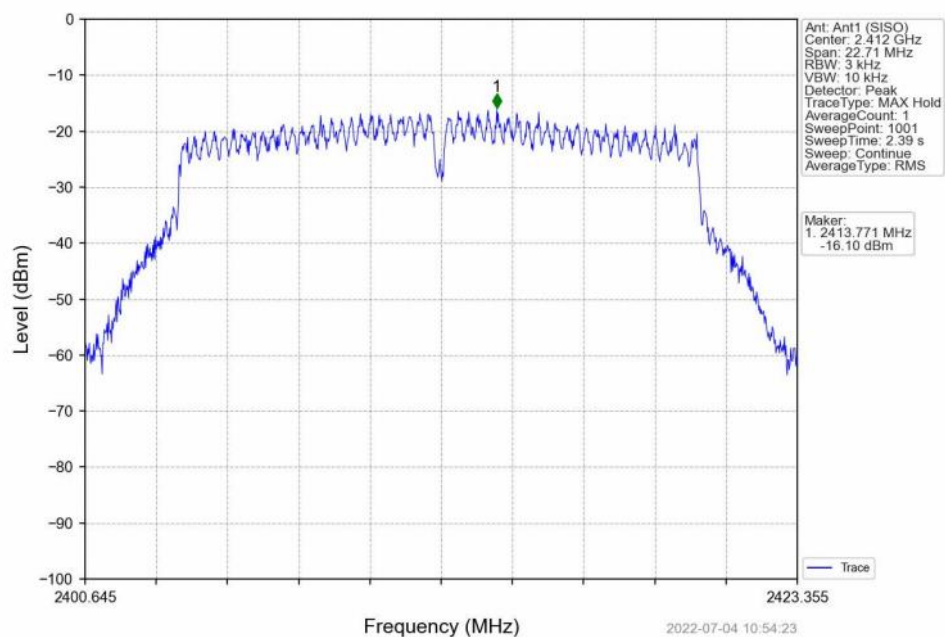
4.1.2 Test Graph



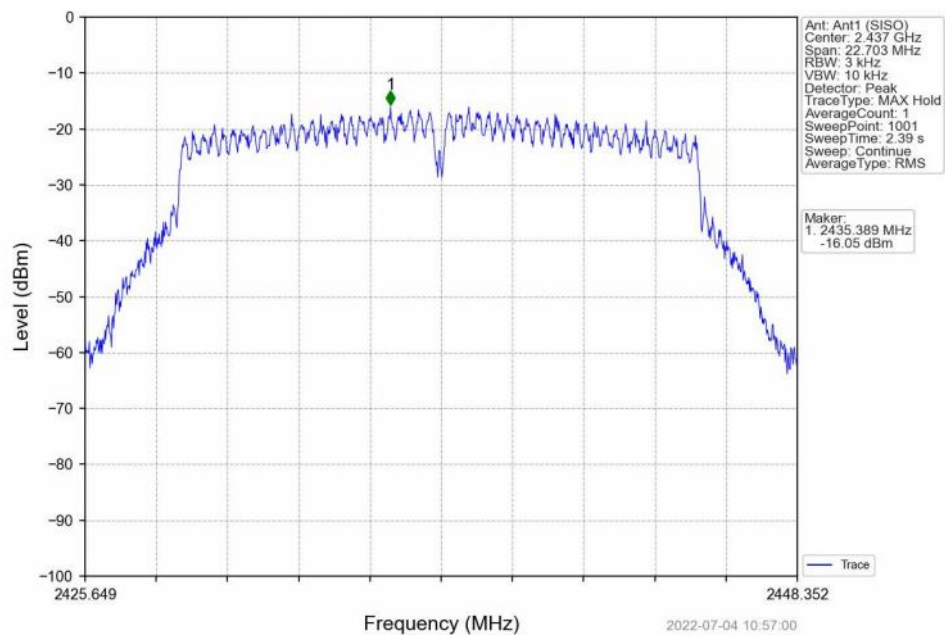
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



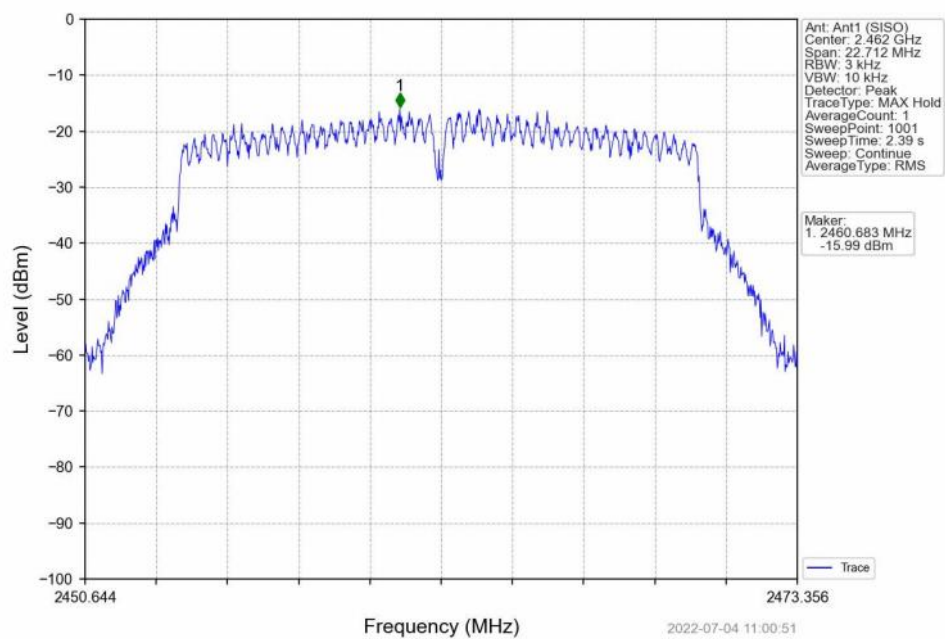
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



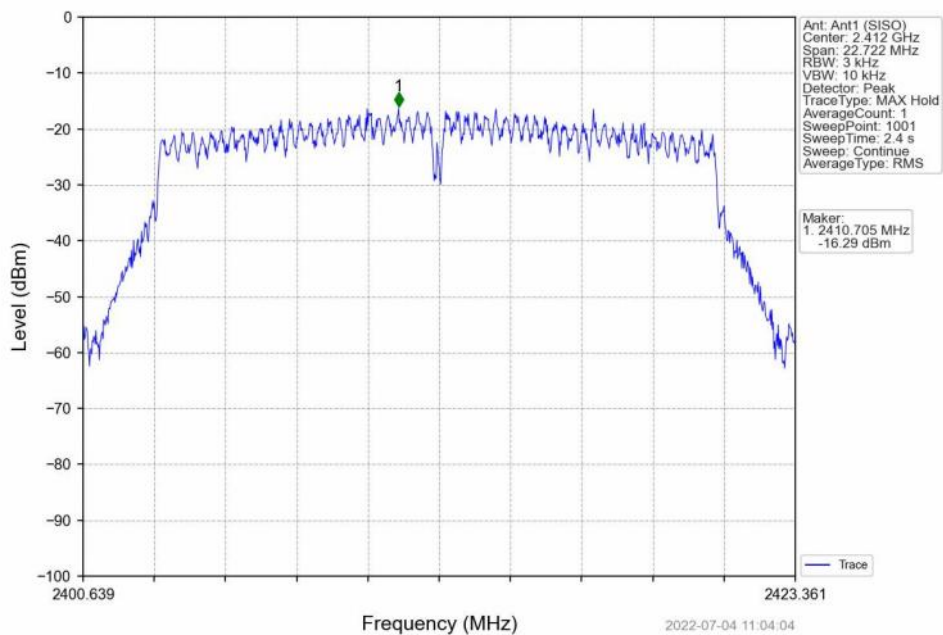
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



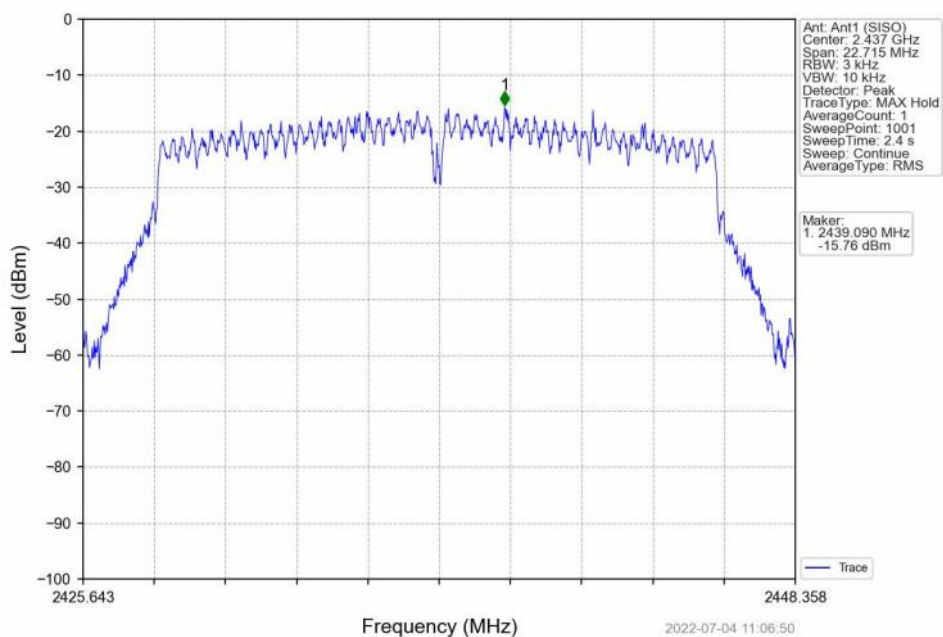
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



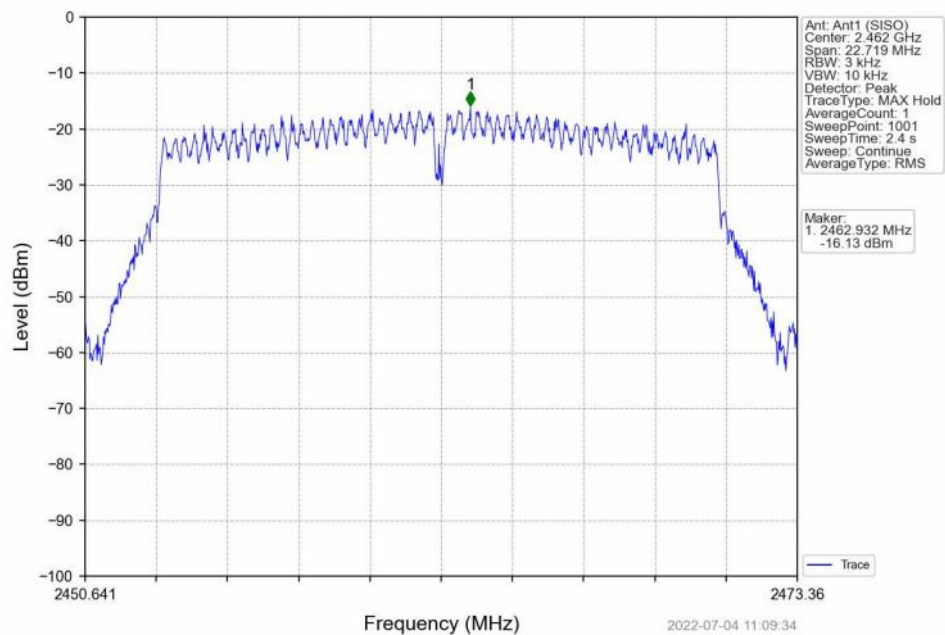
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



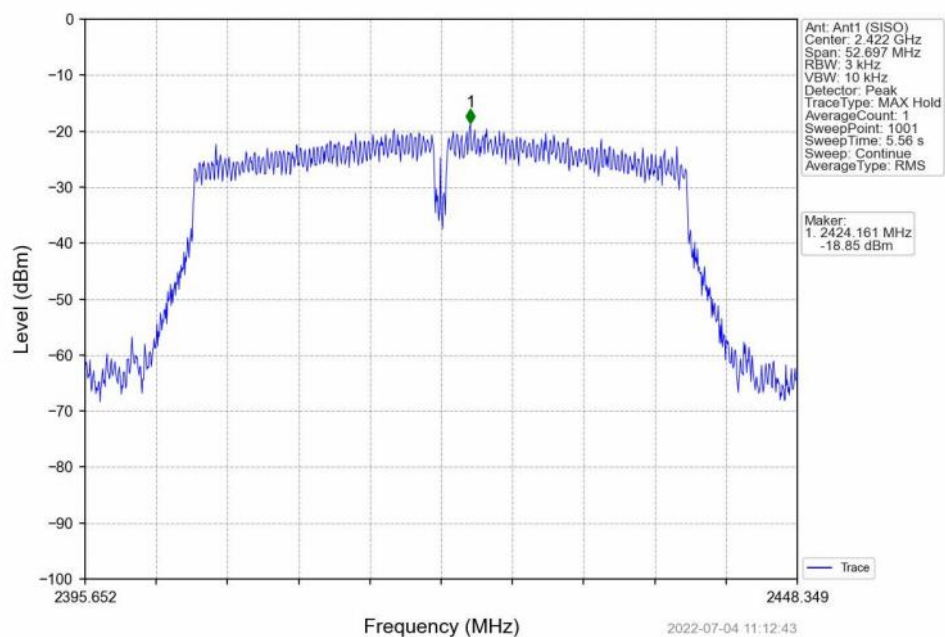
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



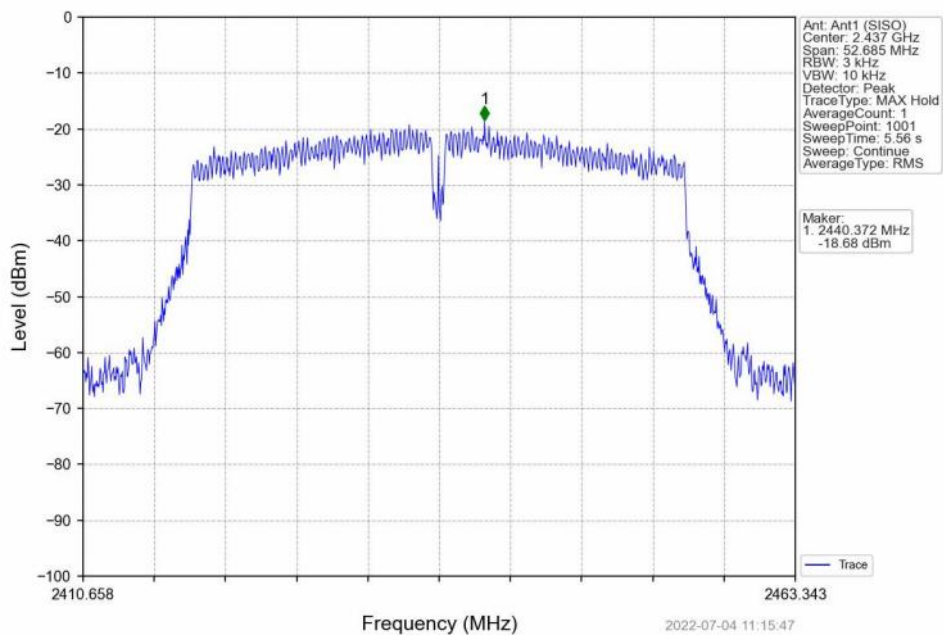
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



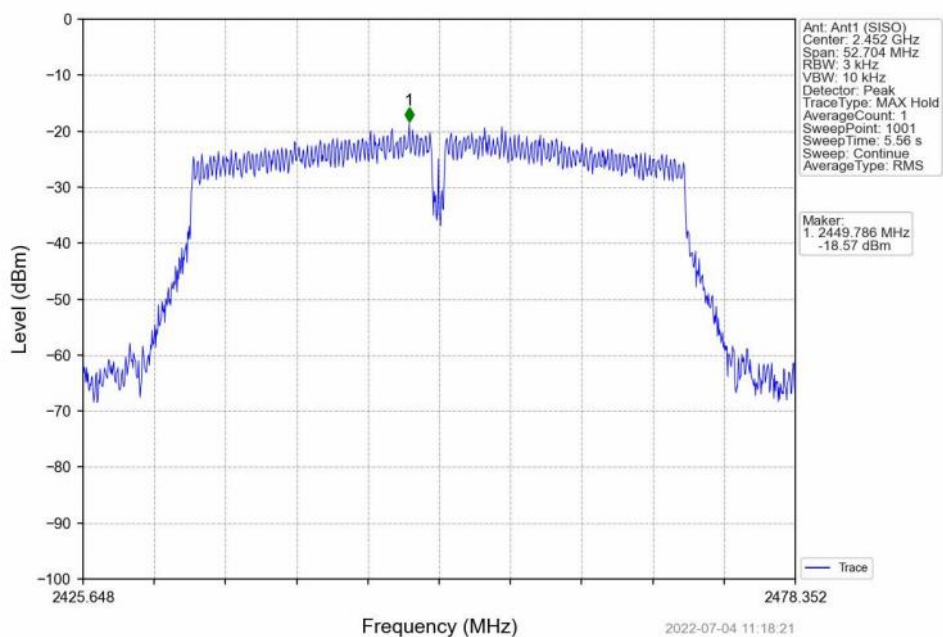
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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

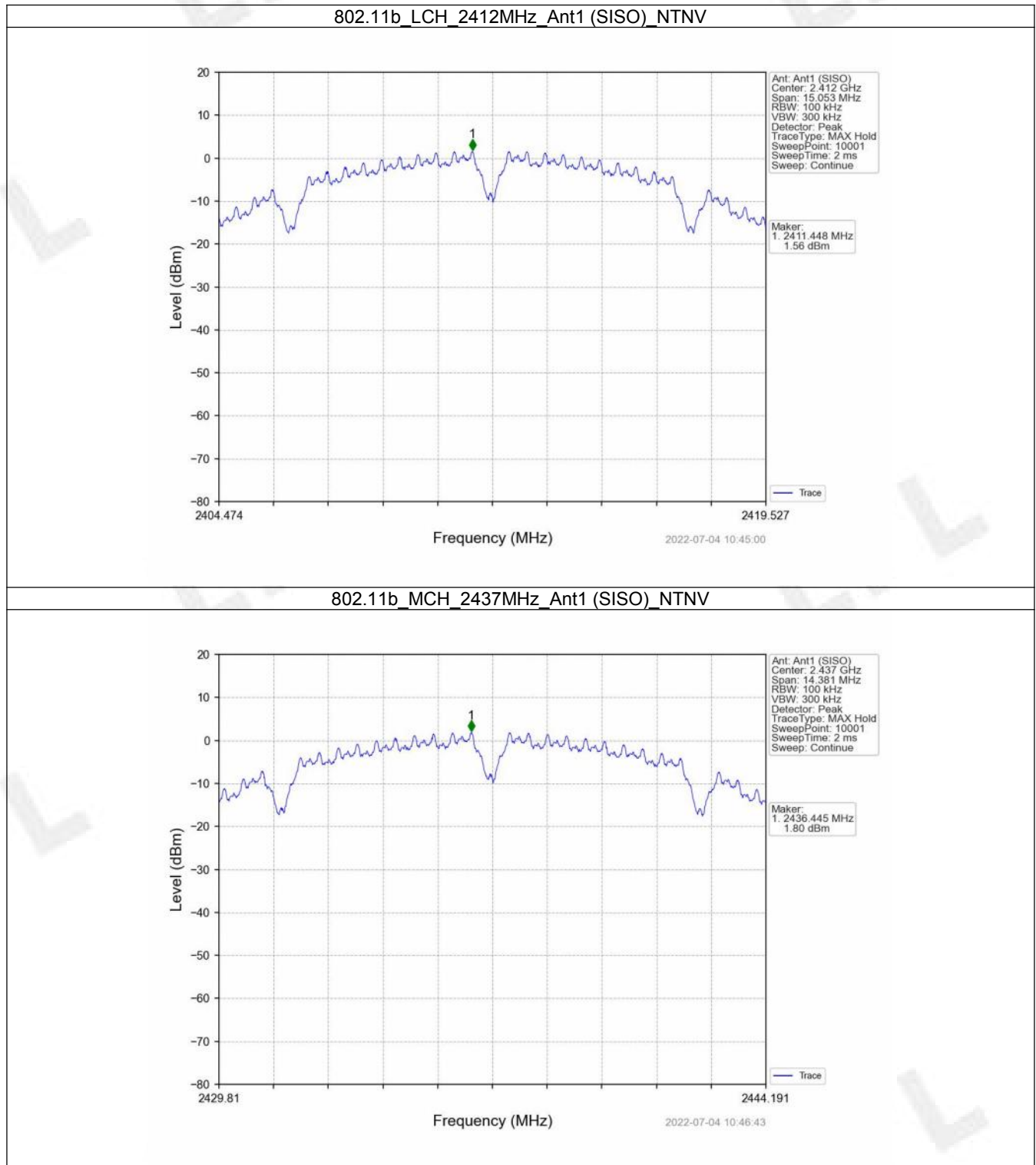
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.56
		2437	1	1.80
		2462	1	1.64
802.11g	SISO	2412	1	0.54
		2437	1	1.02
		2462	1	0.47
802.11n (HT20)	SISO	2412	1	0.73
		2437	1	0.83
		2462	1	0.47
802.11n (HT40)	SISO	2422	1	-2.95
		2437	1	-2.73
		2452	1	-3.06

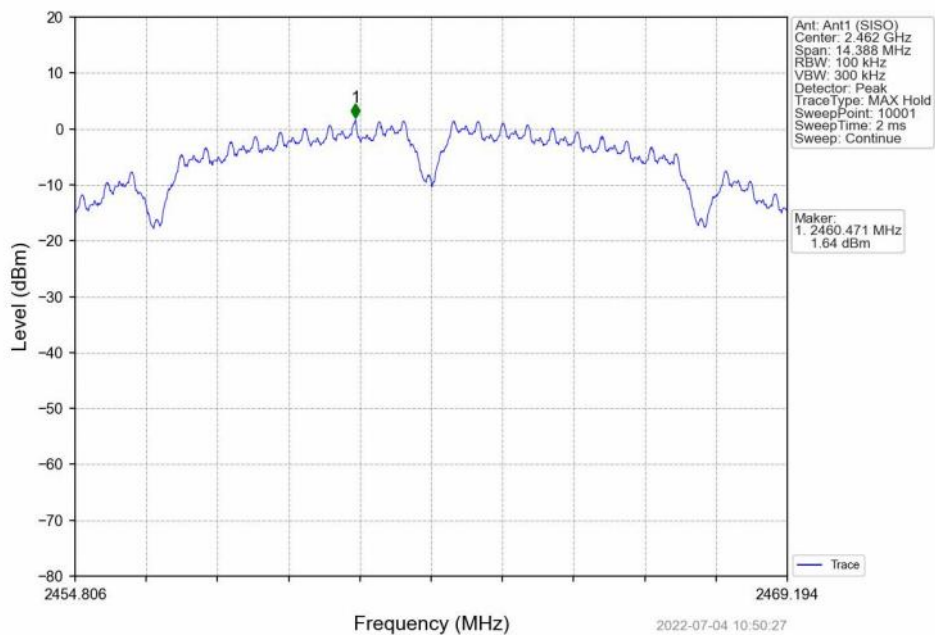
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

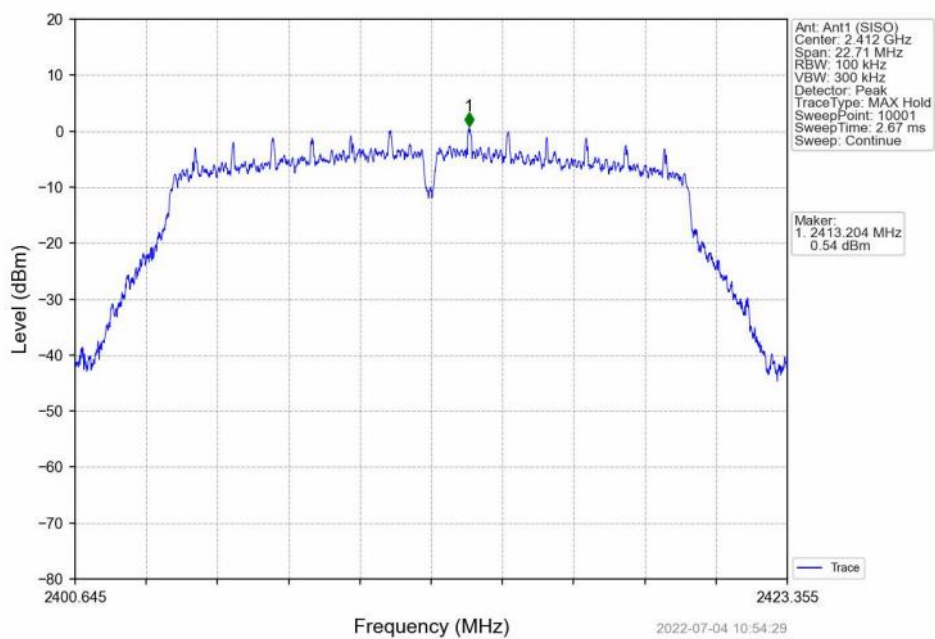
5.1.2 Test Graph



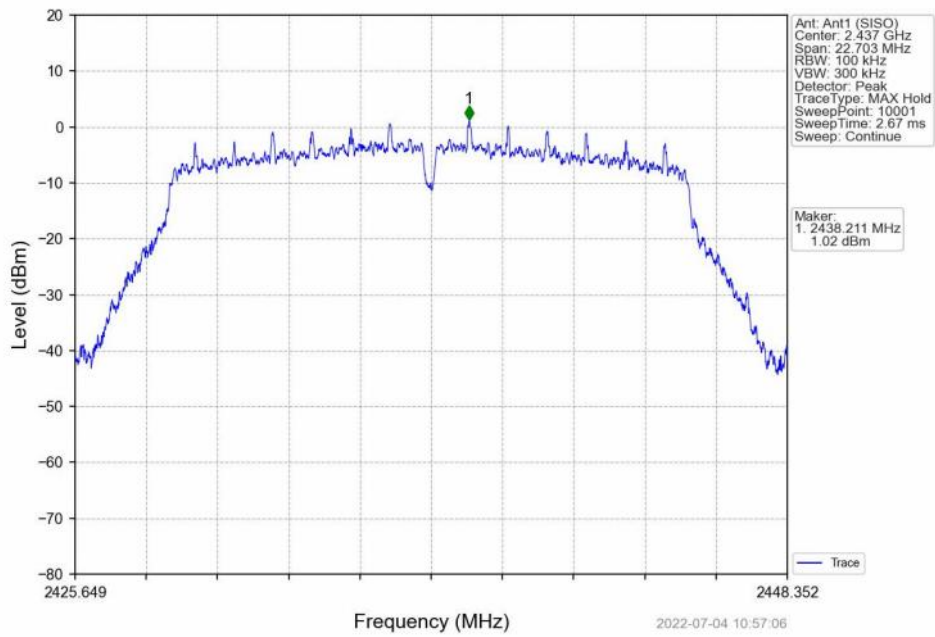
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



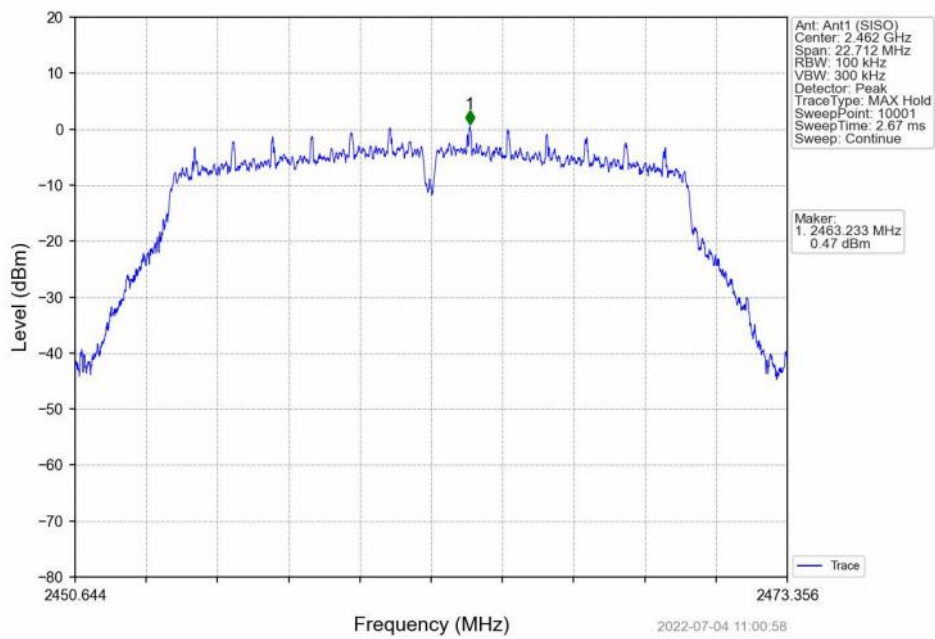
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



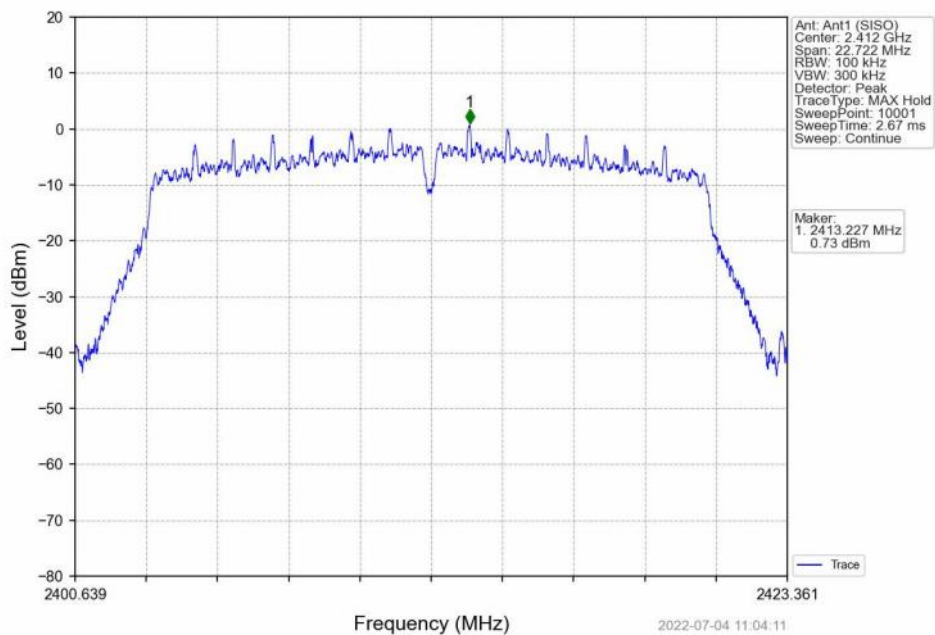
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



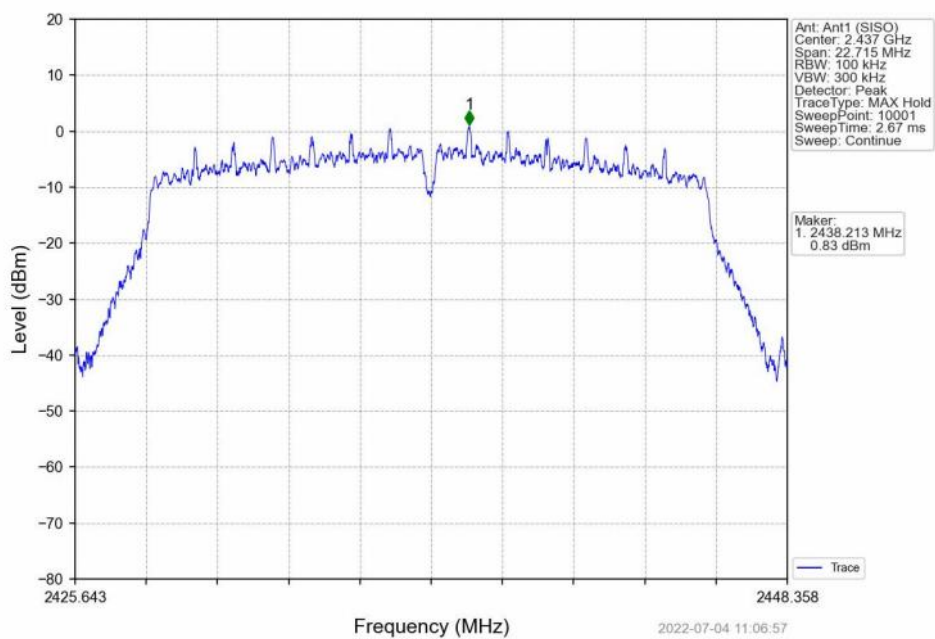
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



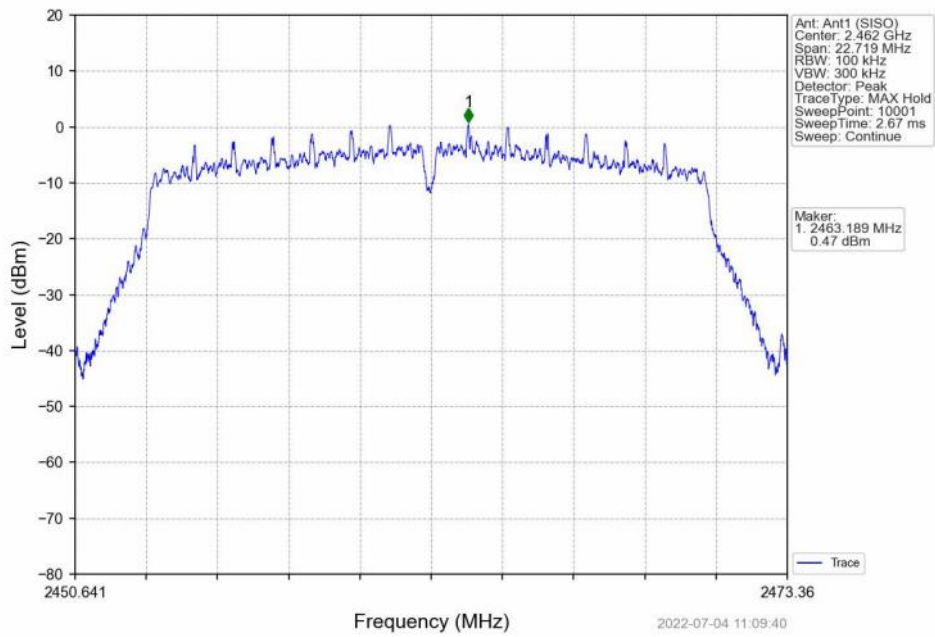
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



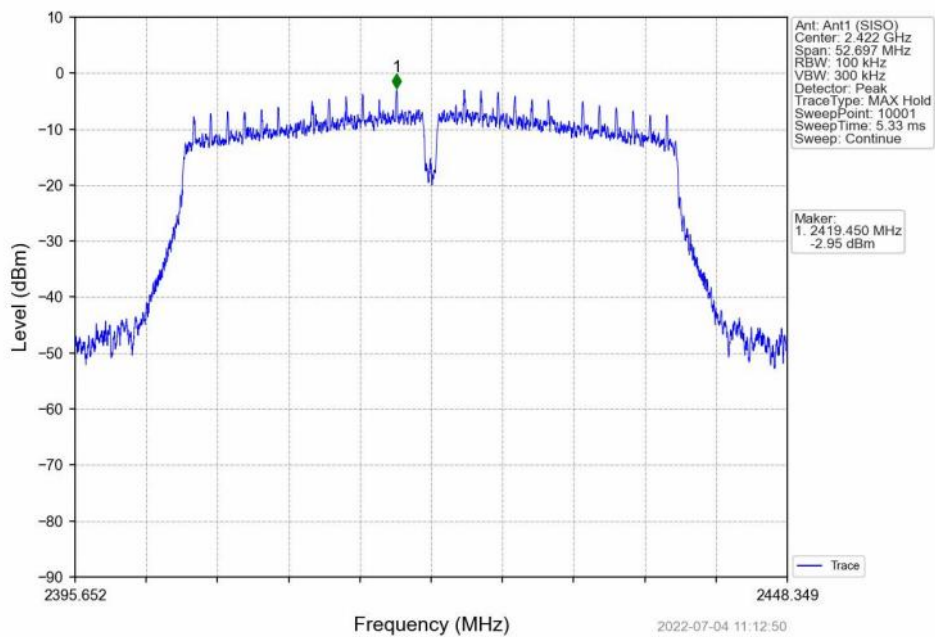
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



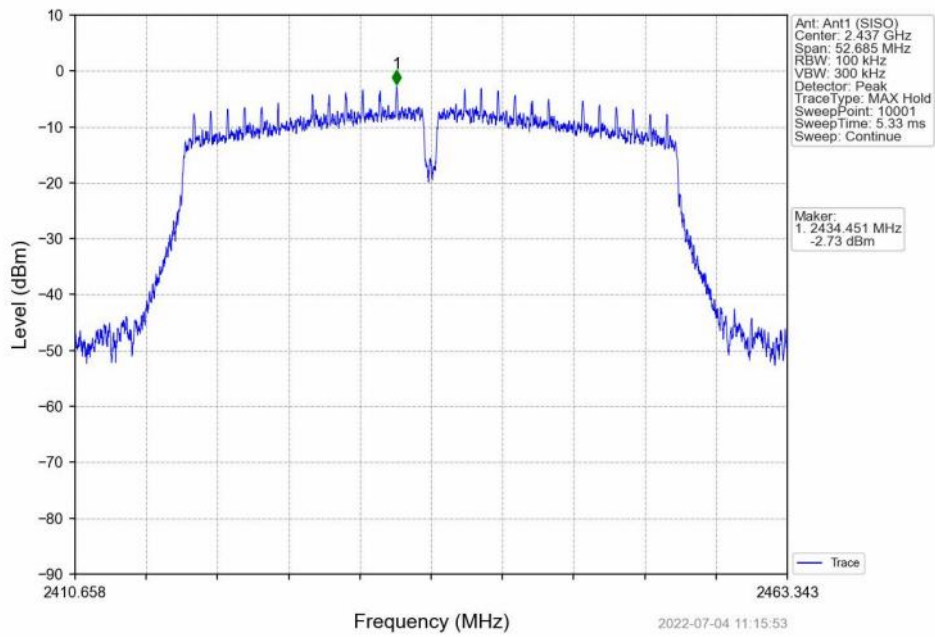
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



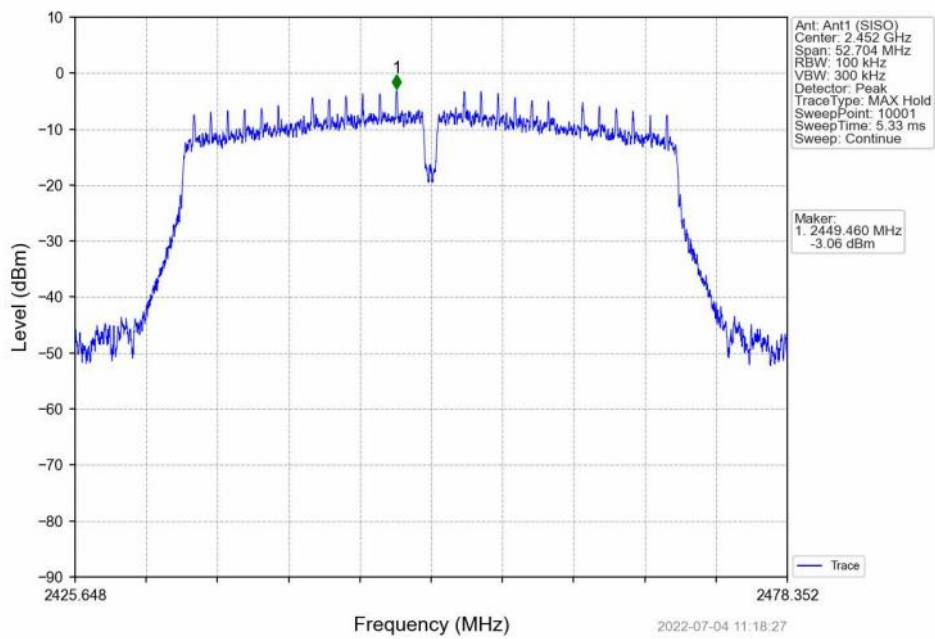
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5.2 CSE

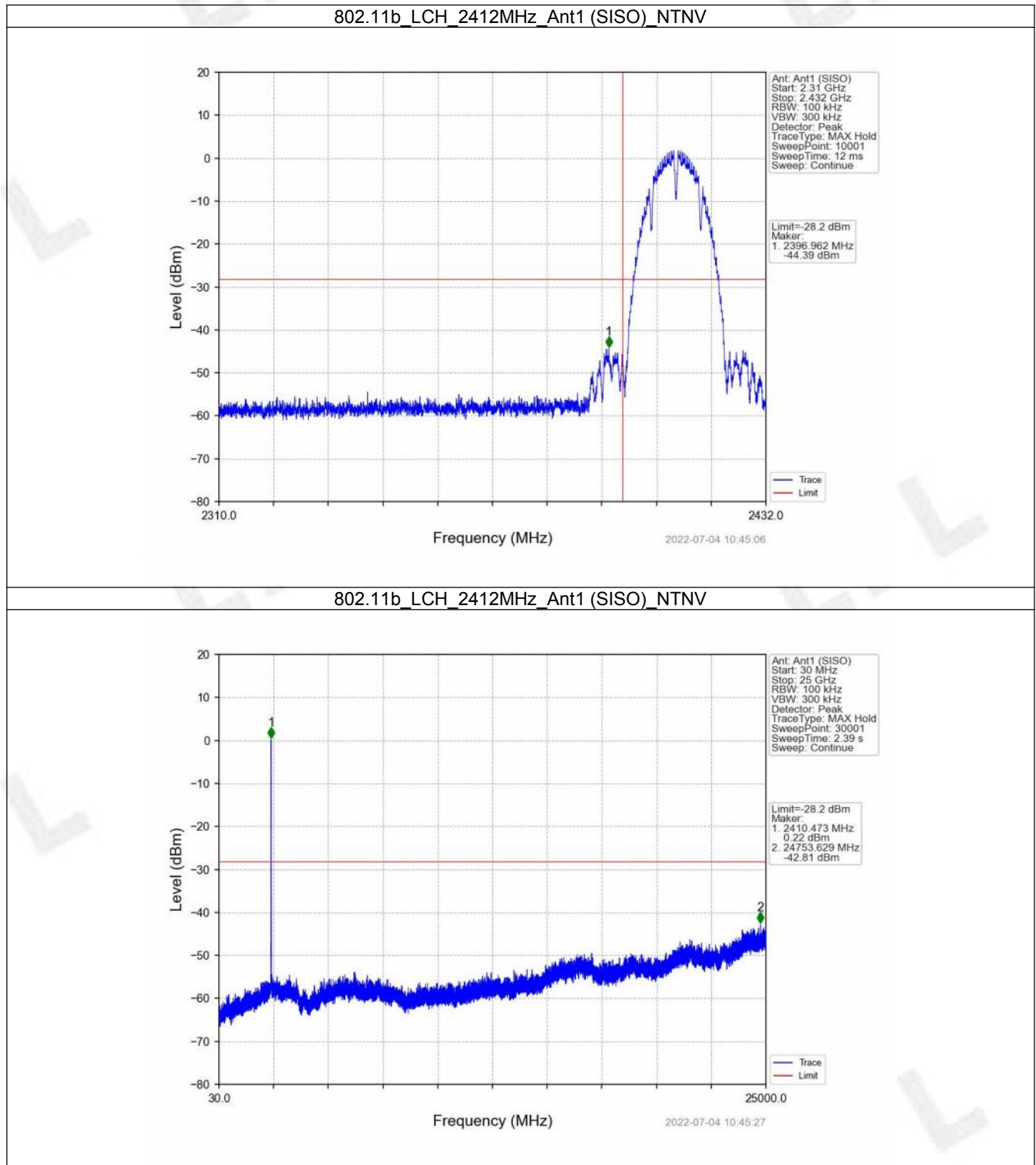
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.80	-28.20	Pass
		2437	1	1.80	-28.20	Pass
		2462	1	1.80	-28.20	Pass
802.11g	SISO	2412	1	1.02	-28.98	Pass
		2437	1	1.02	-28.98	Pass
		2462	1	1.02	-28.98	Pass
802.11n (HT20)	SISO	2412	1	0.83	-29.17	Pass
		2437	1	0.83	-29.17	Pass
		2462	1	0.83	-29.17	Pass
802.11n (HT40)	SISO	2422	1	-2.73	-32.73	Pass
		2437	1	-2.73	-32.73	Pass
		2452	1	-2.73	-32.73	Pass

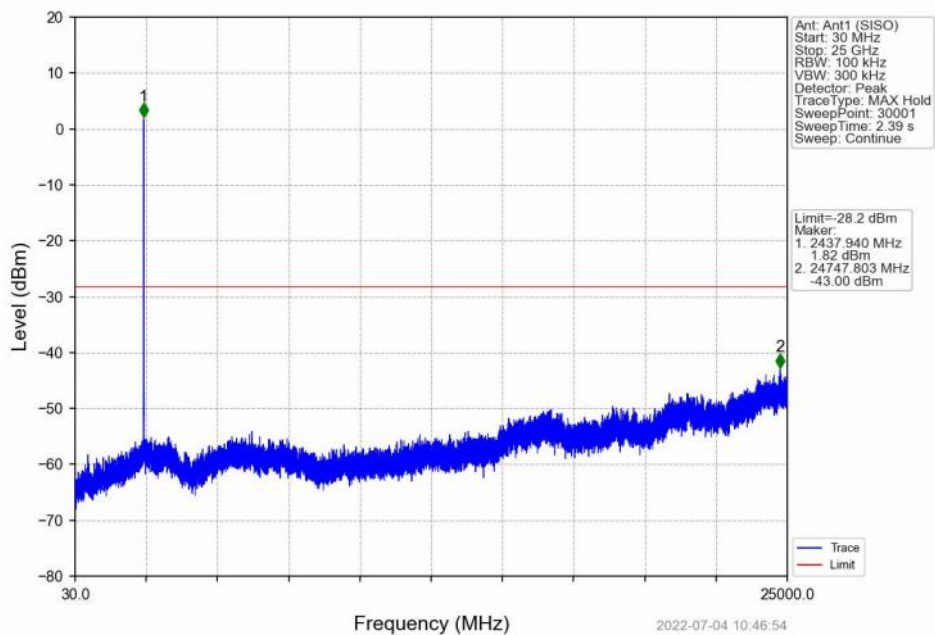
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

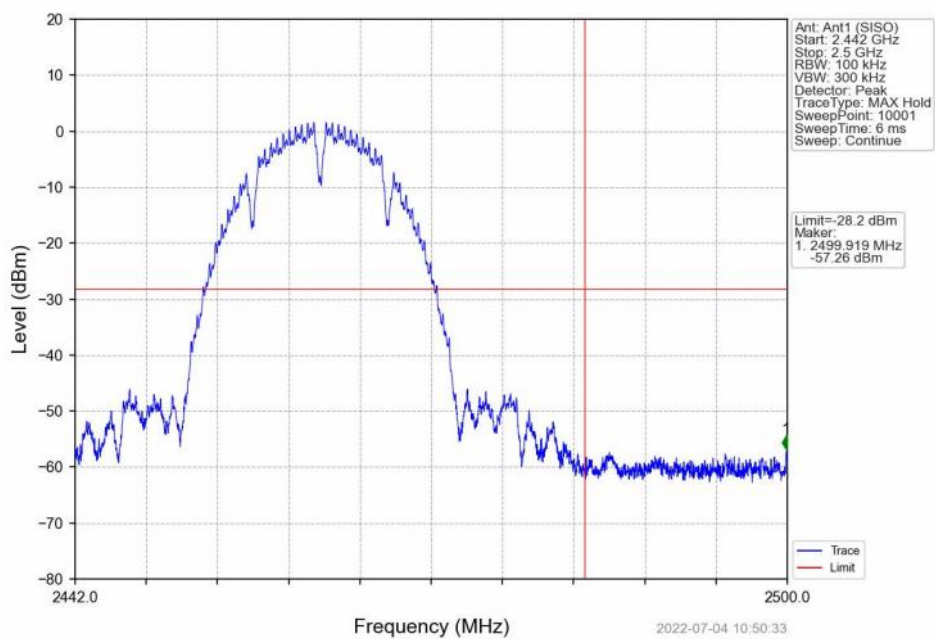
5.2.2 Test Graph



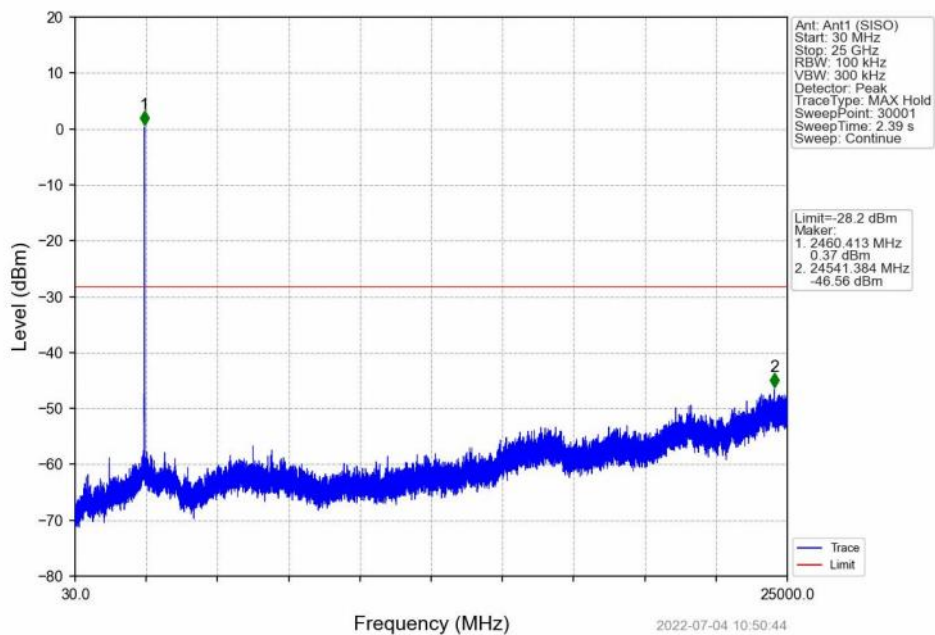
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



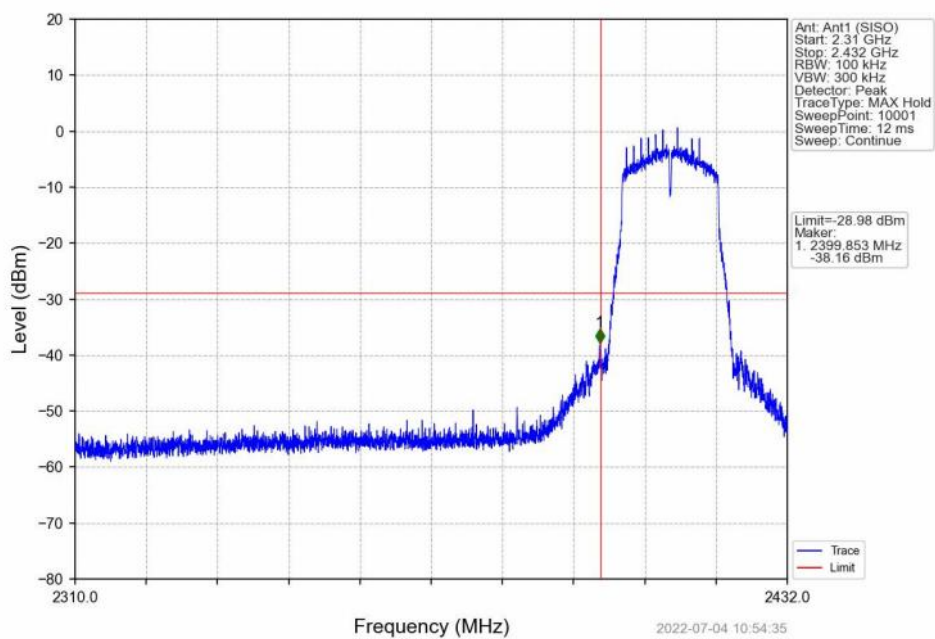
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



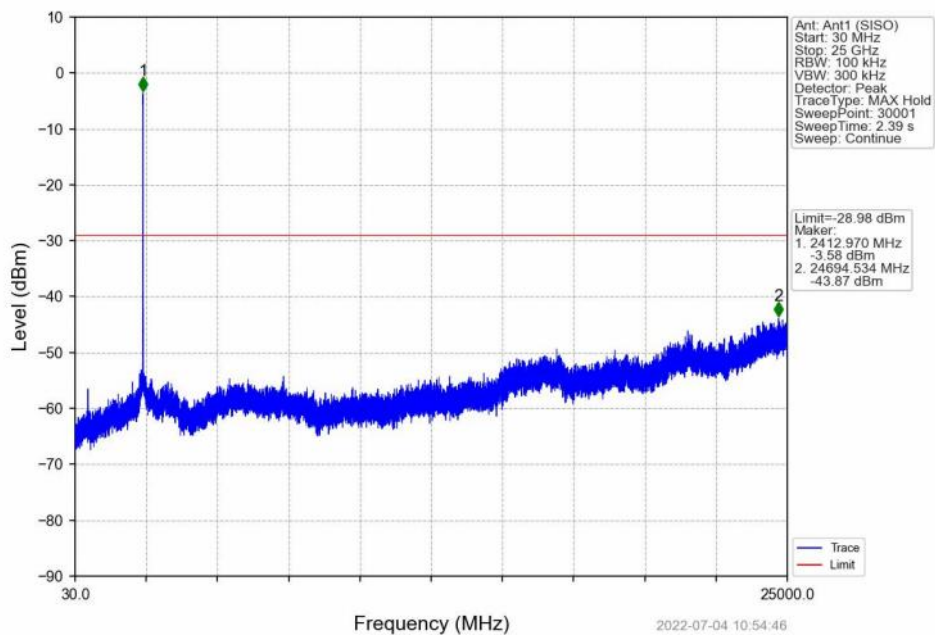
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



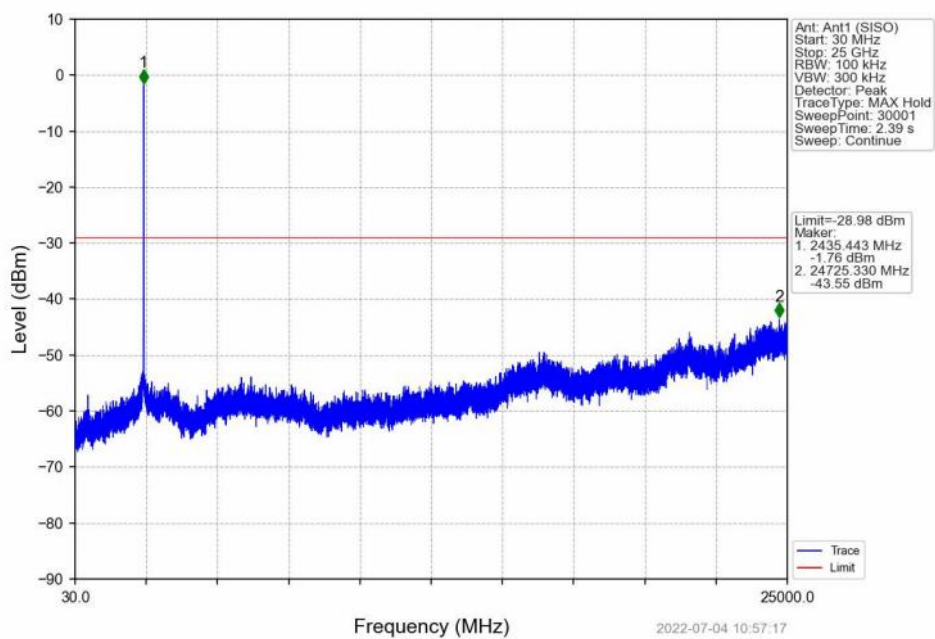
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



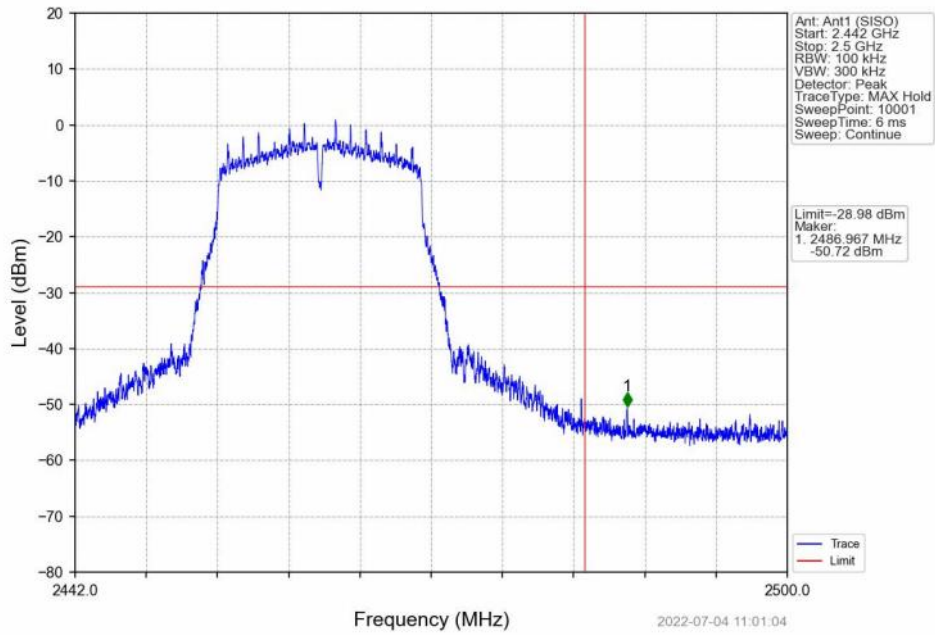
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



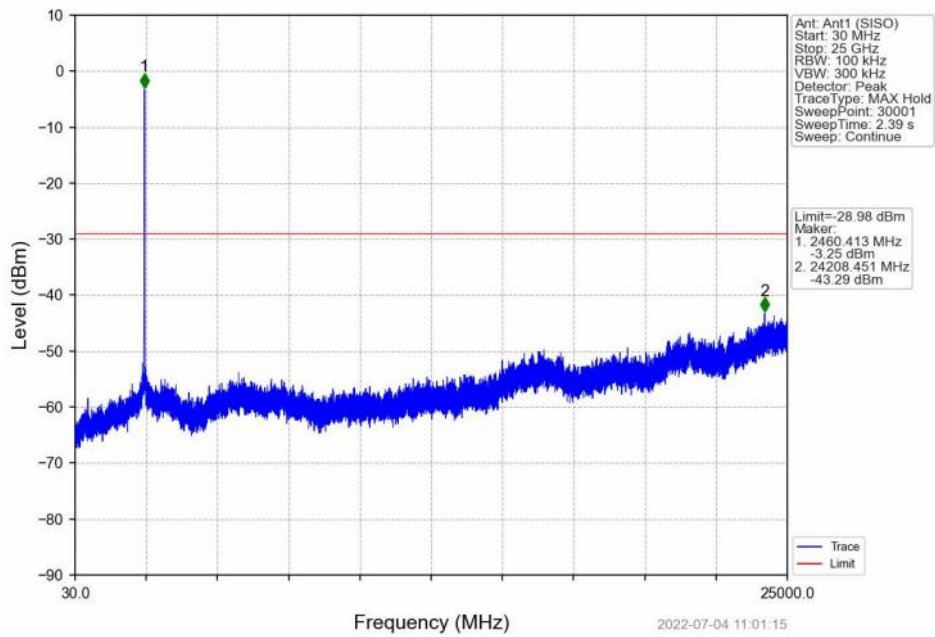
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



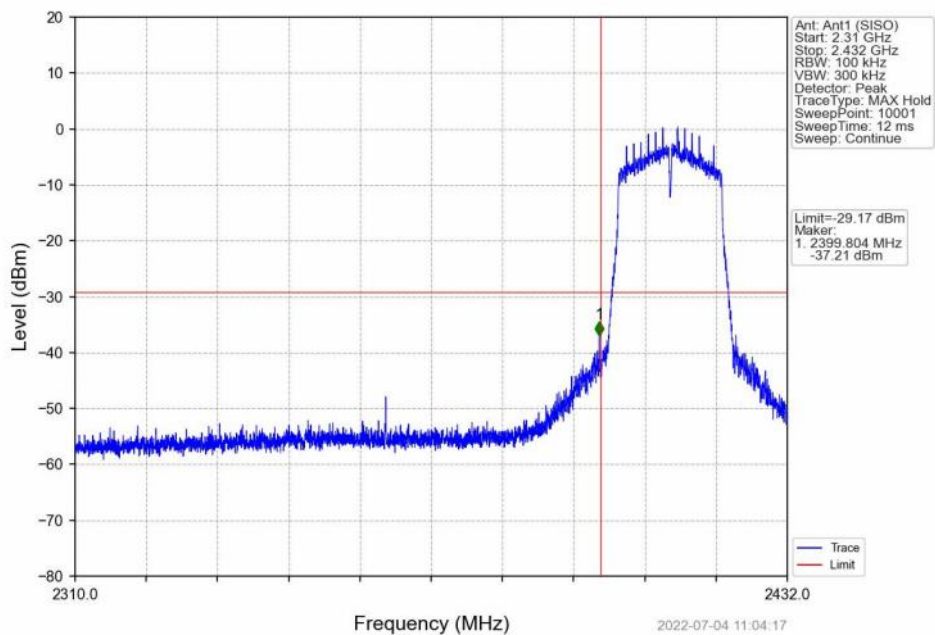
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



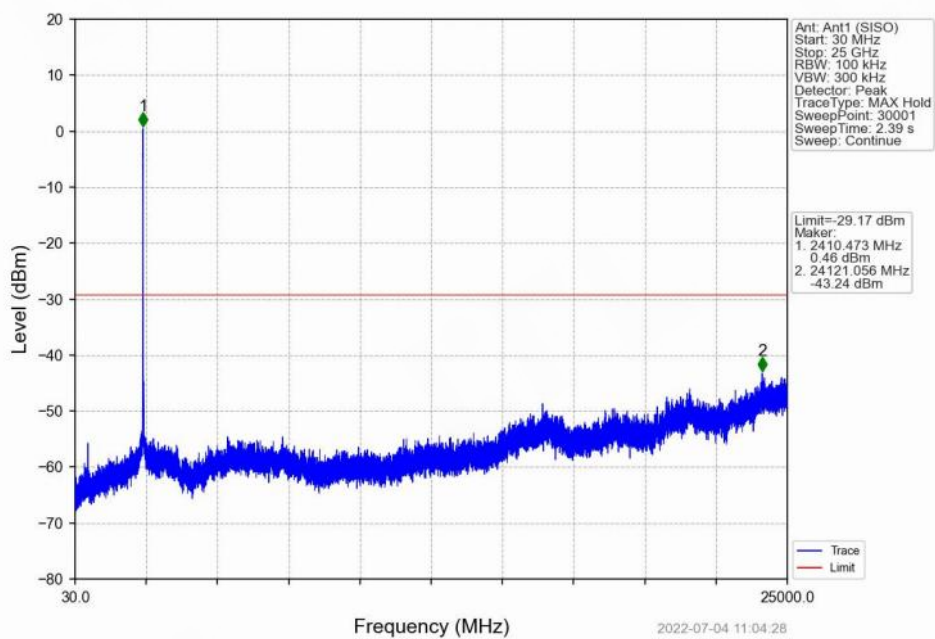
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



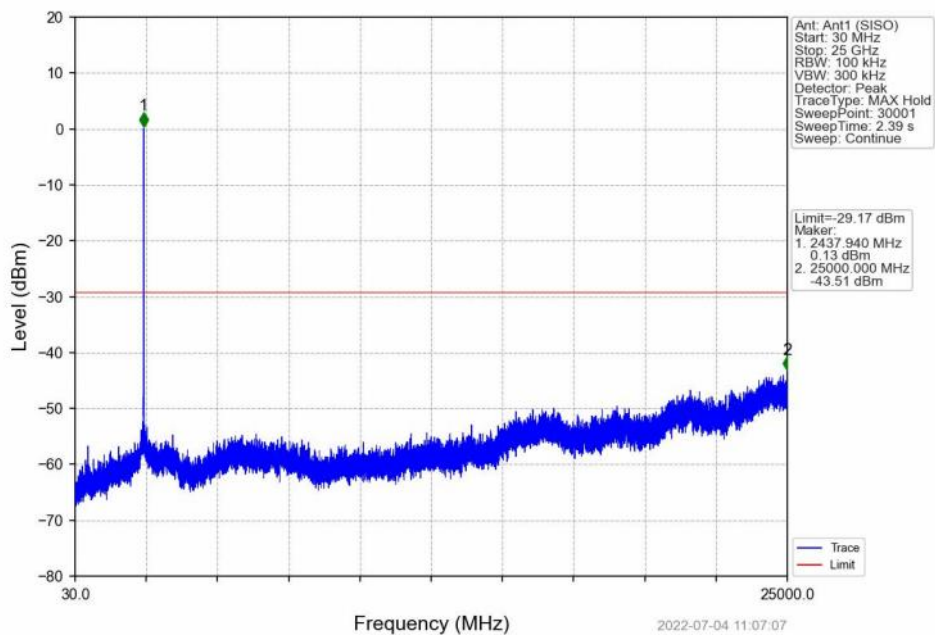
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



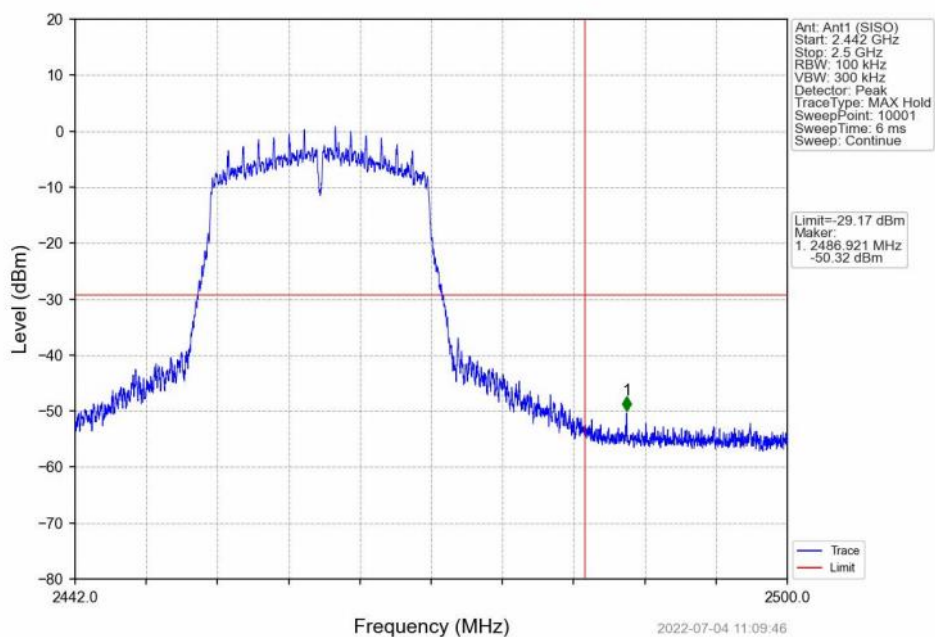
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



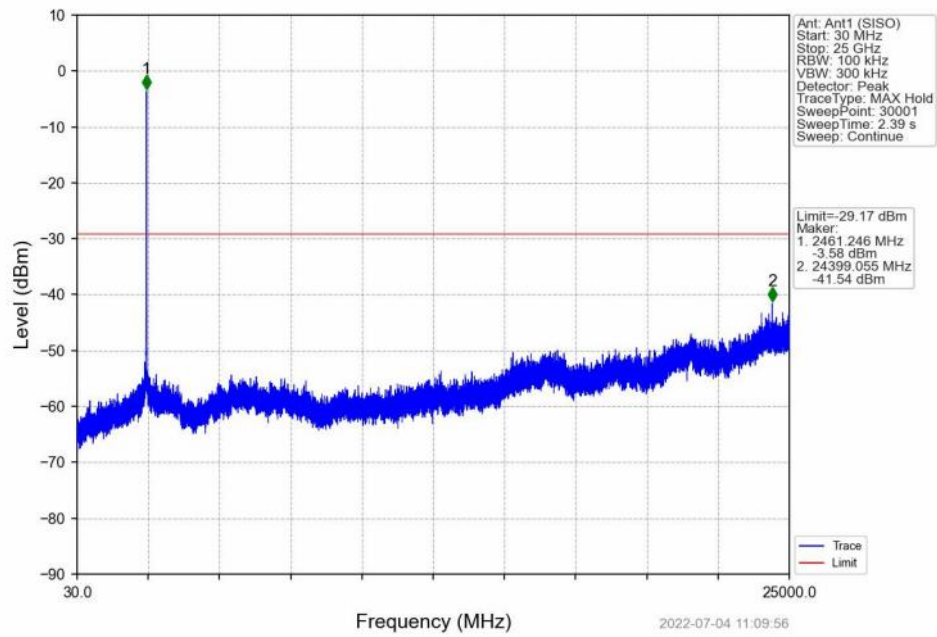
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



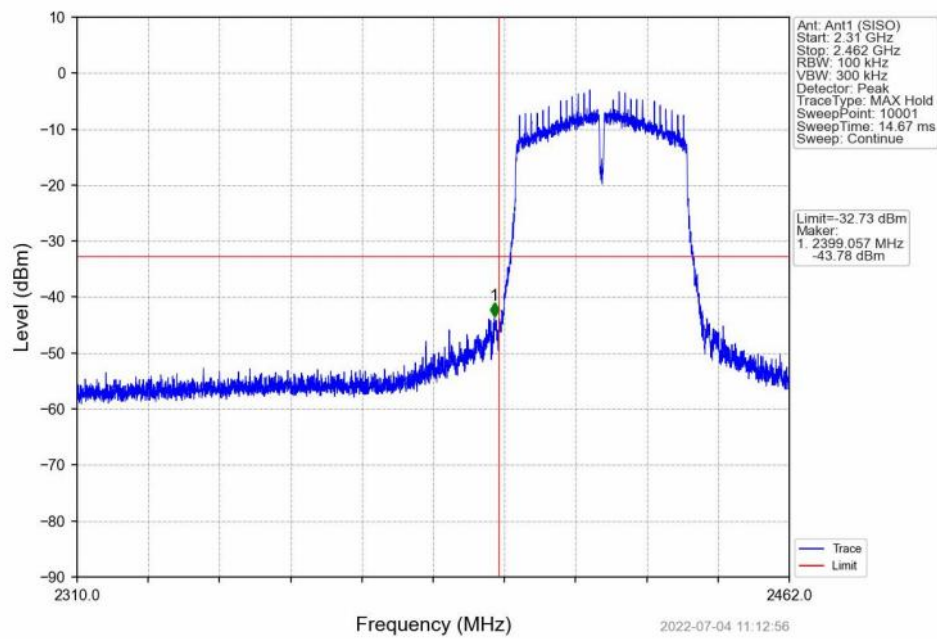
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



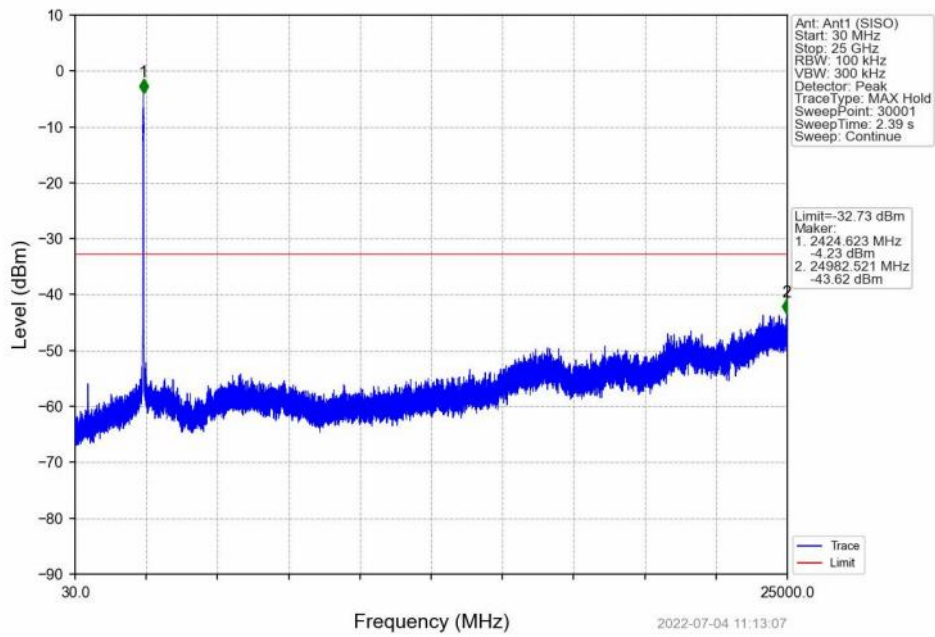
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



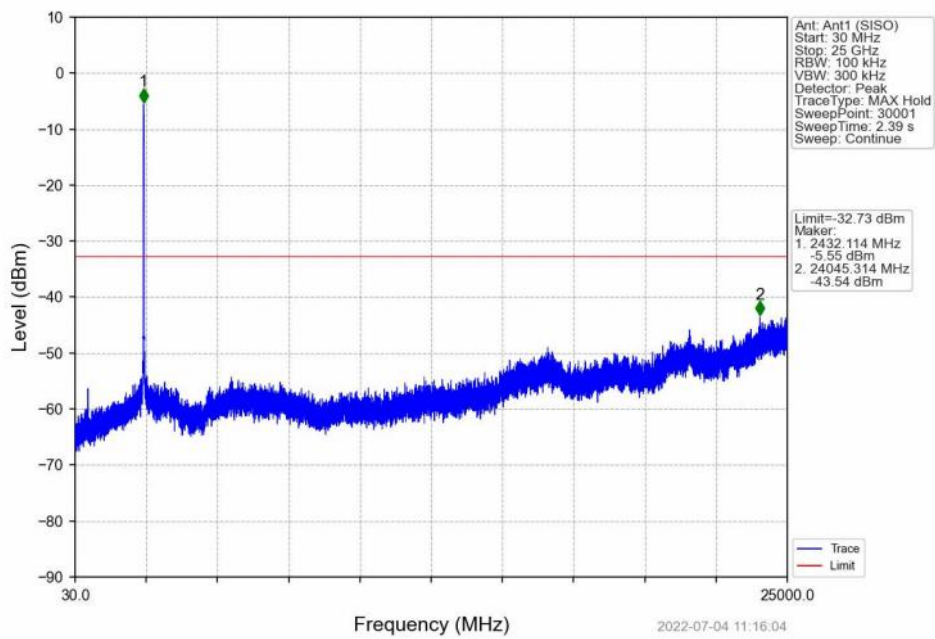
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



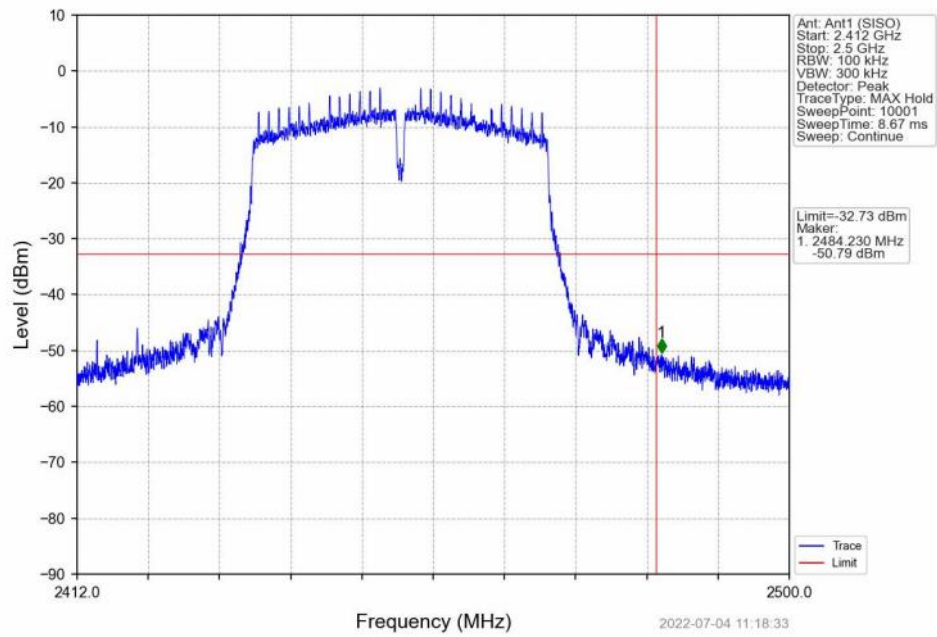
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

