

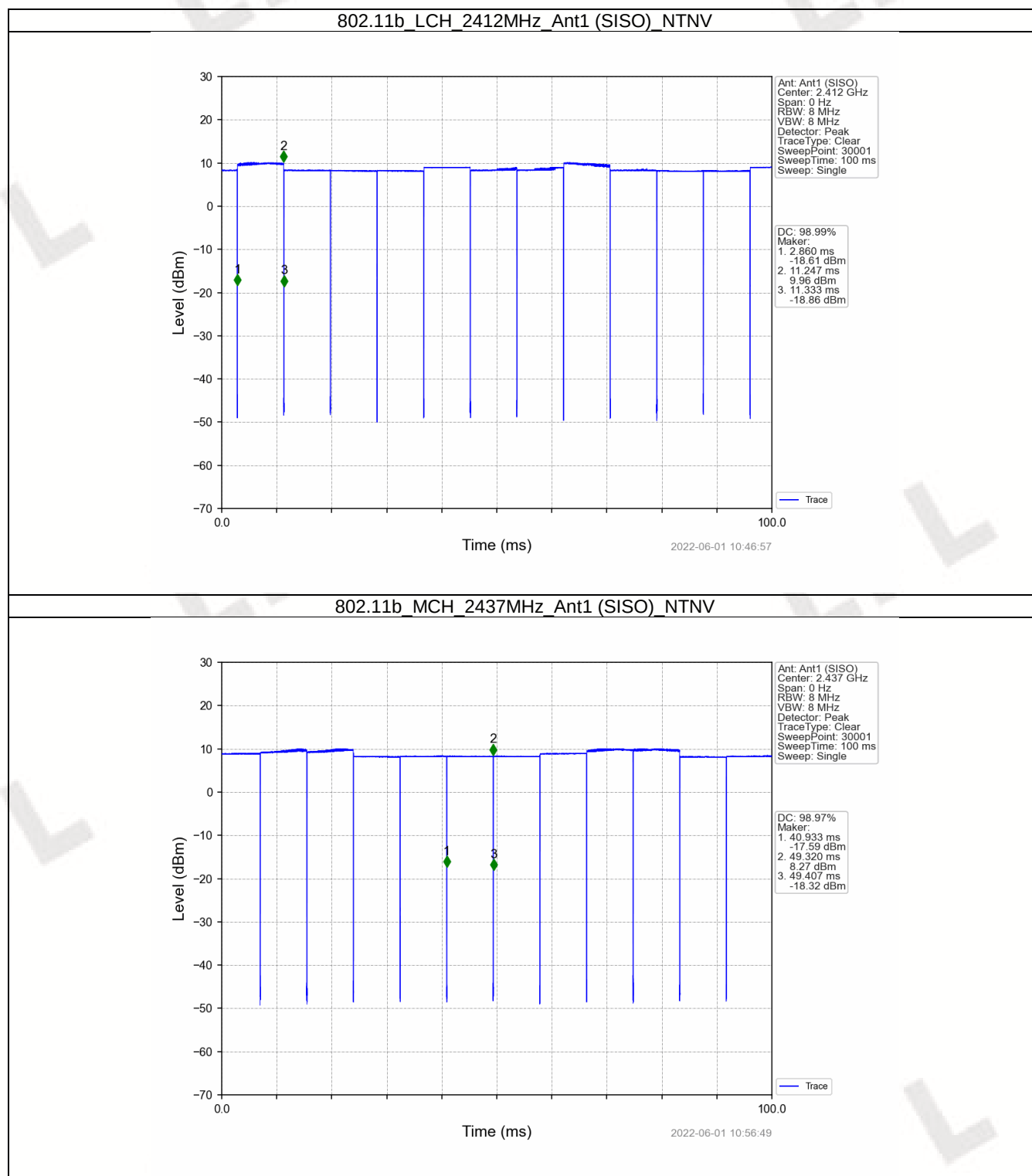
1. Duty Cycle

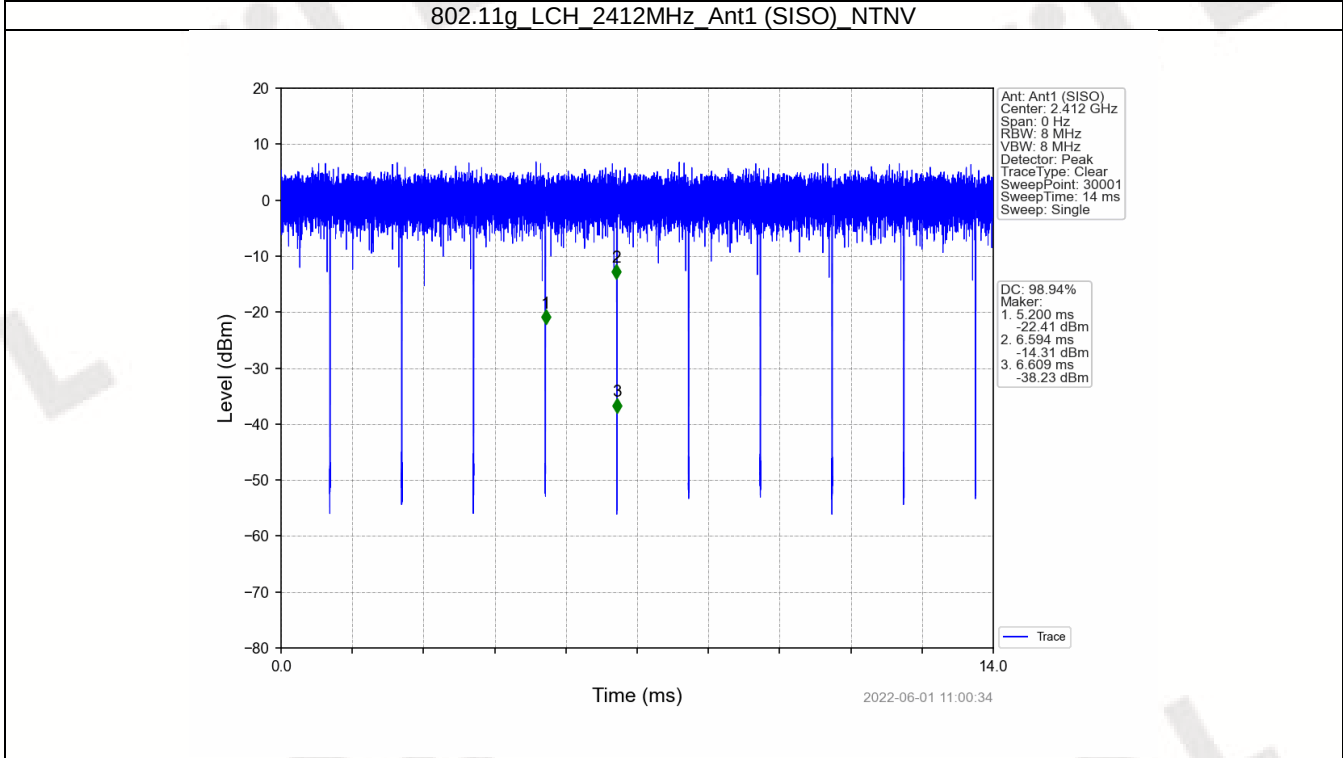
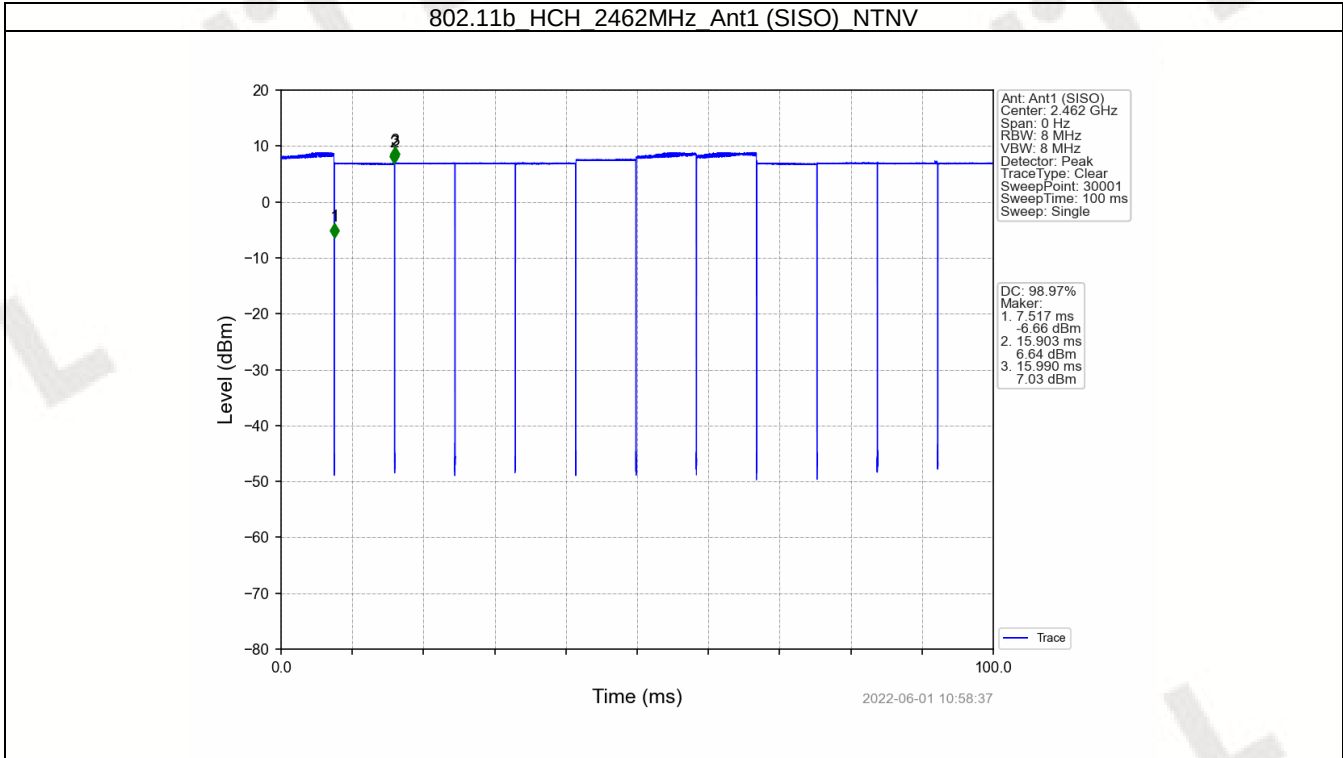
1.1 Ant1

1.1.1 Test Result

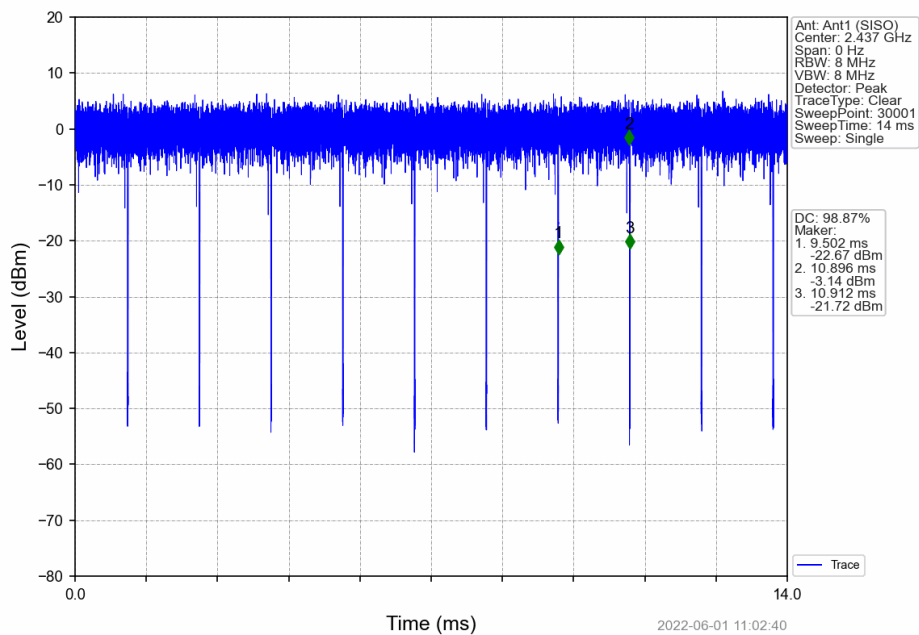
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.387	8.473	98.99	0.04	0.04
		2437	8.387	8.474	98.97	0.04	0.04
		2462	8.386	8.473	98.97	0.04	0.04
802.11g	SISO	2412	1.394	1.409	98.94	0.05	0.00
		2437	1.394	1.410	98.87	0.05	0.03
		2462	1.395	1.410	98.94	0.05	0.03
802.11n (HT20)	SISO	2412	1.303	1.317	98.94	0.05	0.03
		2437	1.303	1.317	98.94	0.05	0.03
		2462	1.302	1.317	98.86	0.05	0.03

1.1.2 Test Graph

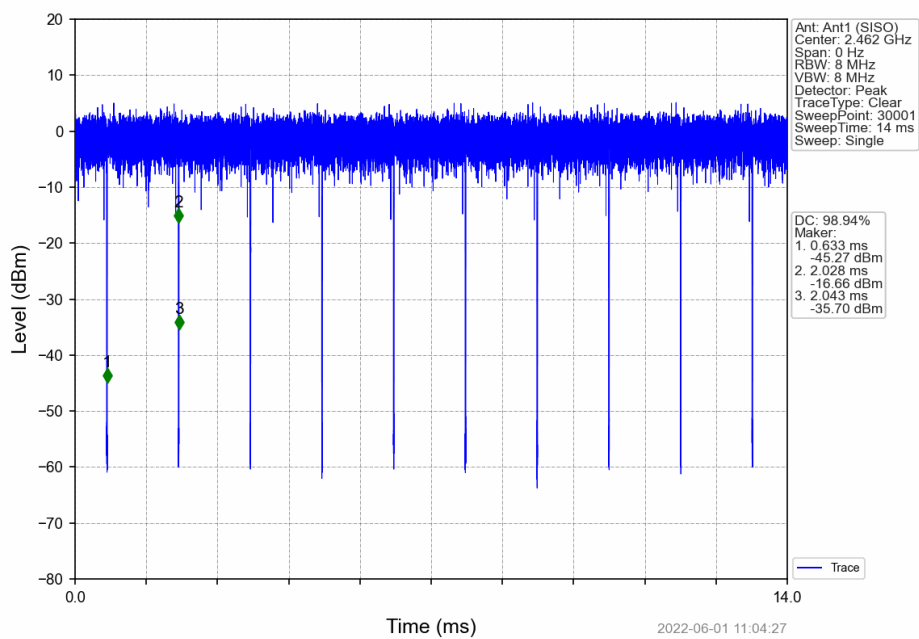




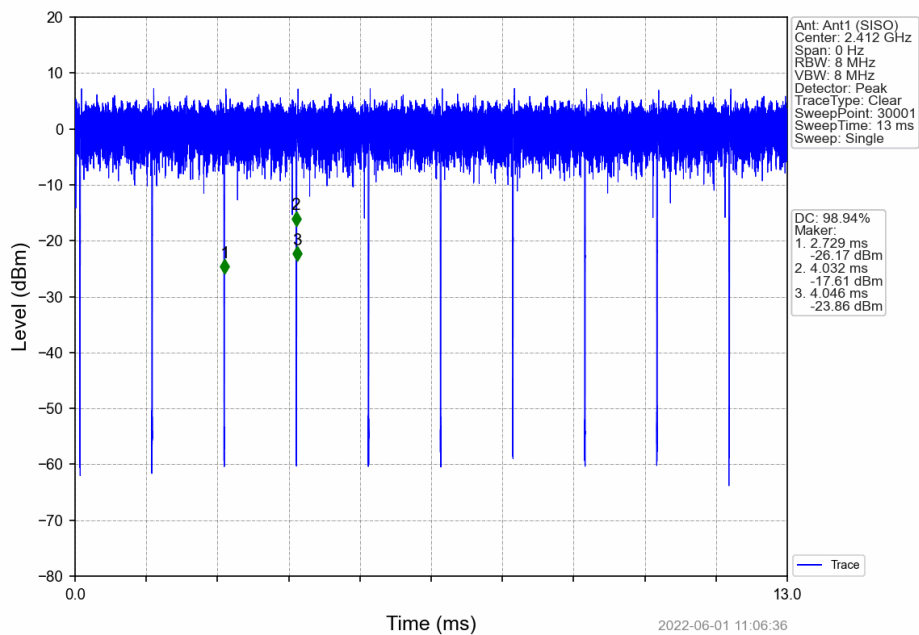
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



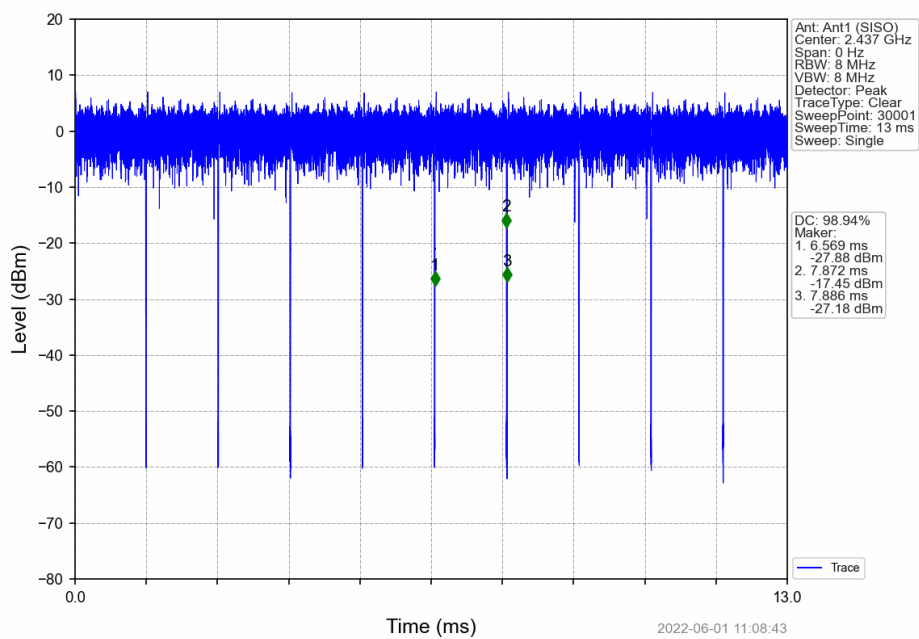
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

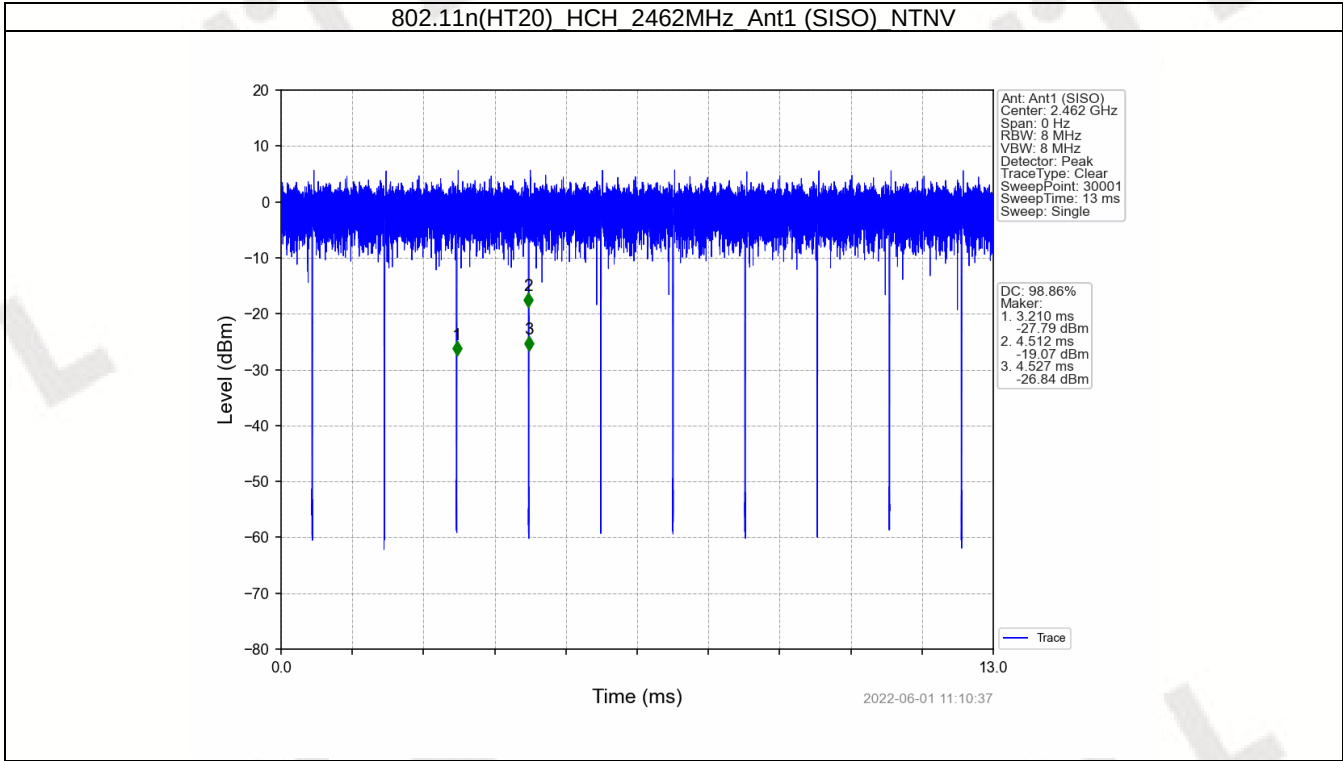


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





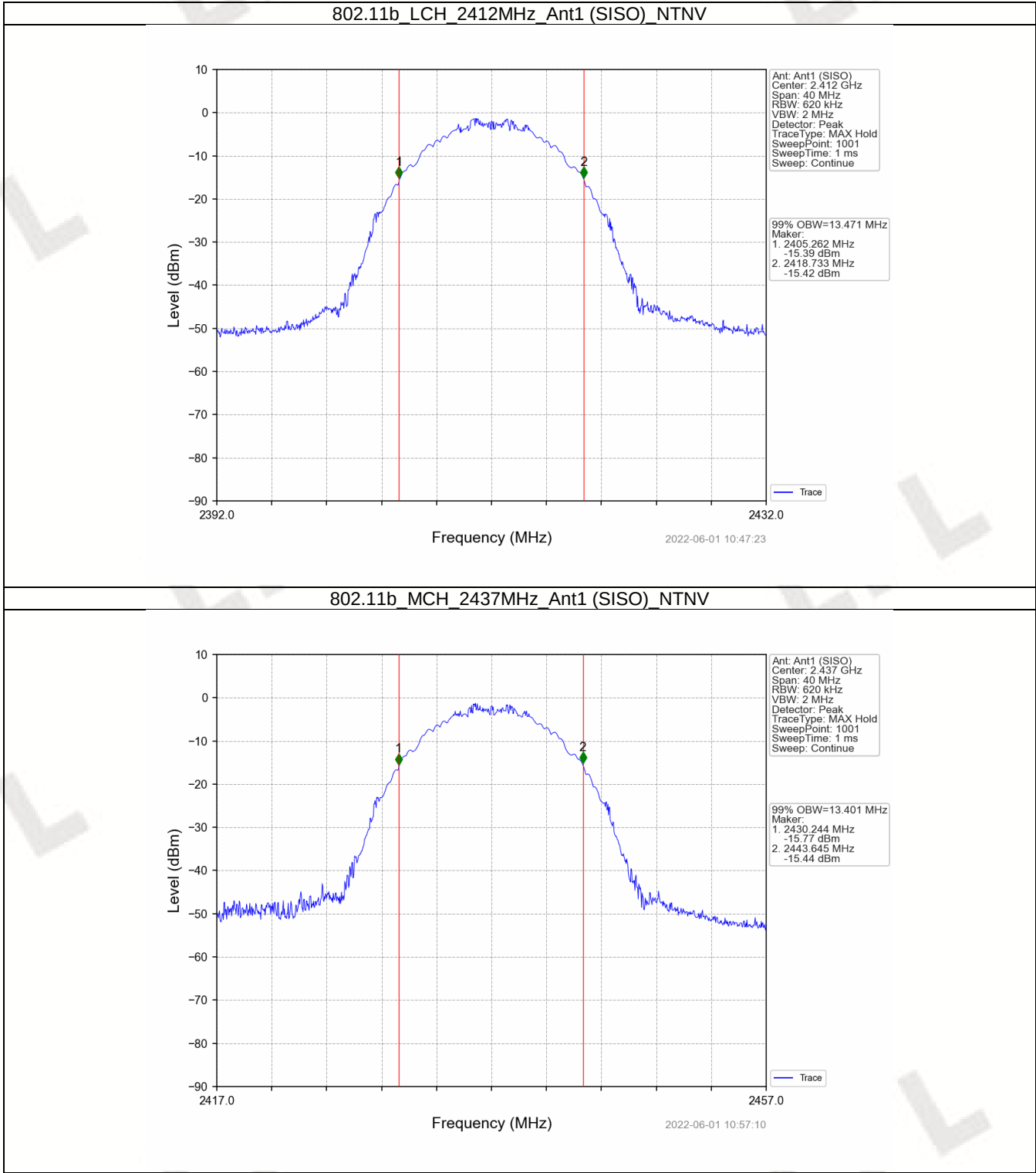
2. Bandwidth

2.1 OBW

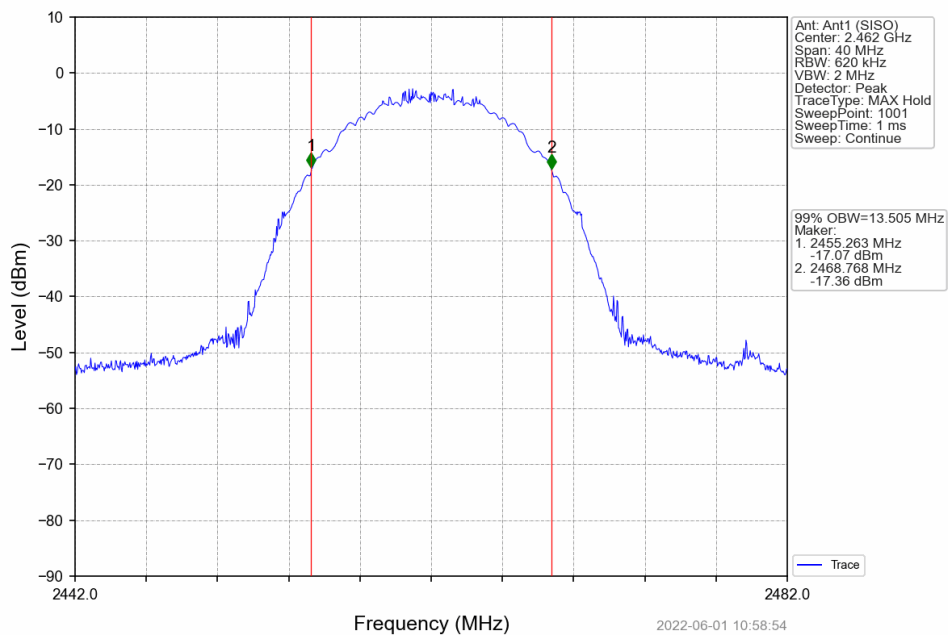
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.471	Pass
		2437	1	13.401	Pass
		2462	1	13.505	Pass
802.11g	SISO	2412	1	17.491	Pass
		2437	1	17.445	Pass
		2462	1	17.504	Pass
802.11n (HT20)	SISO	2412	1	18.387	Pass
		2437	1	18.347	Pass
		2462	1	18.404	Pass

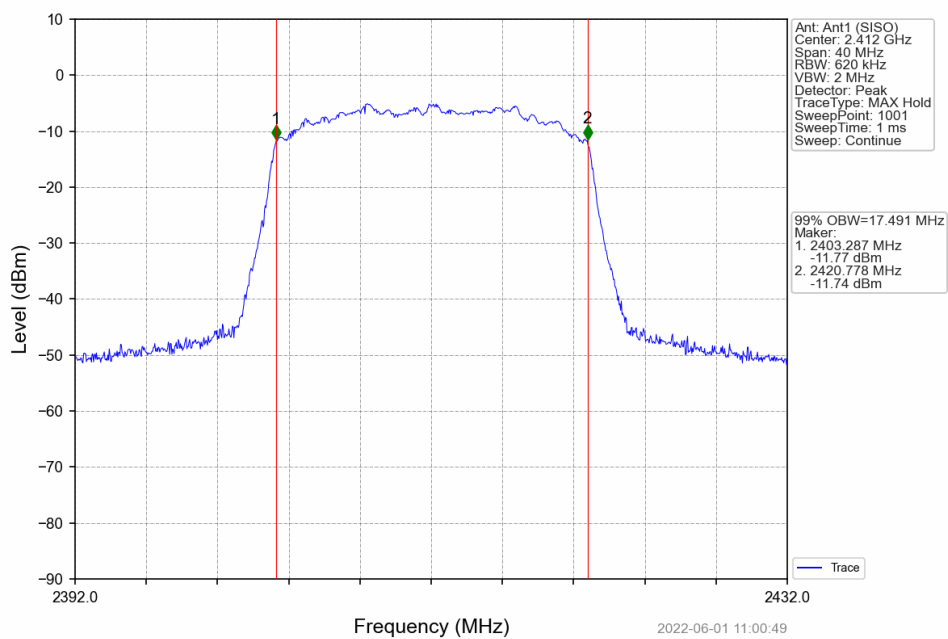
2.1.2 Test Graph



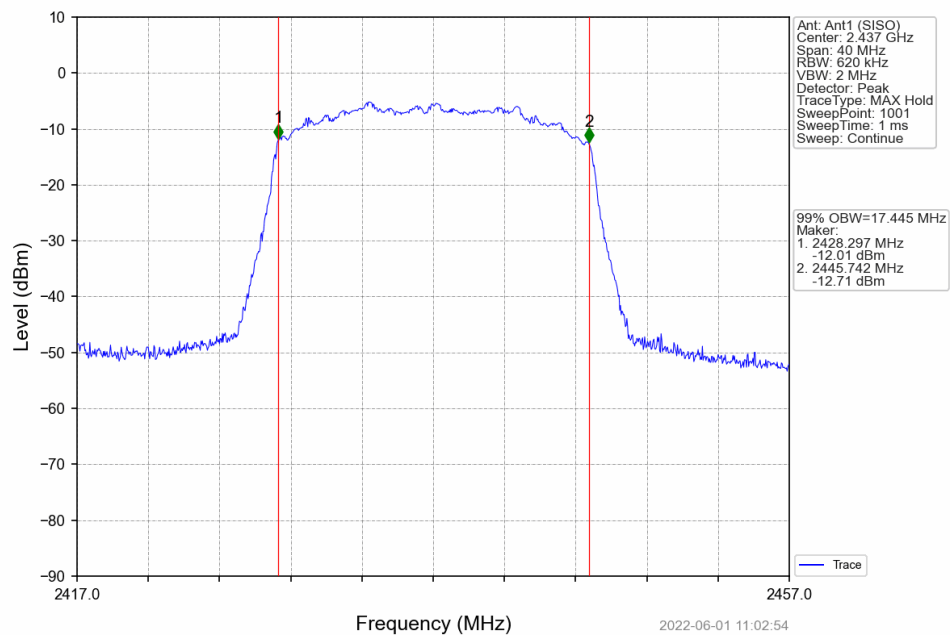
802.11b HCH 2462MHz Ant1 (SISO) NTN



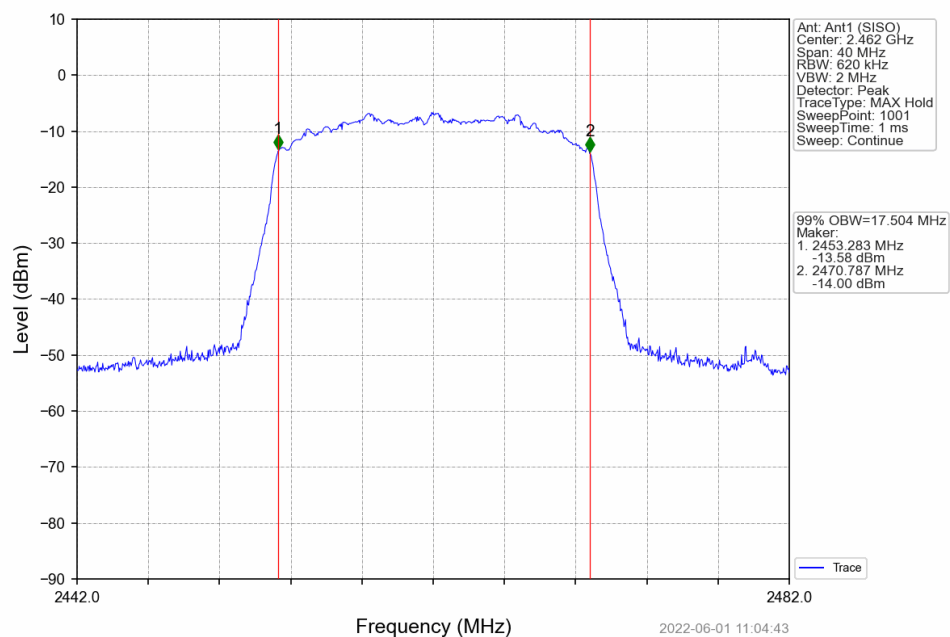
802.11g LCH 2412MHz Ant1 (SISO) NTN



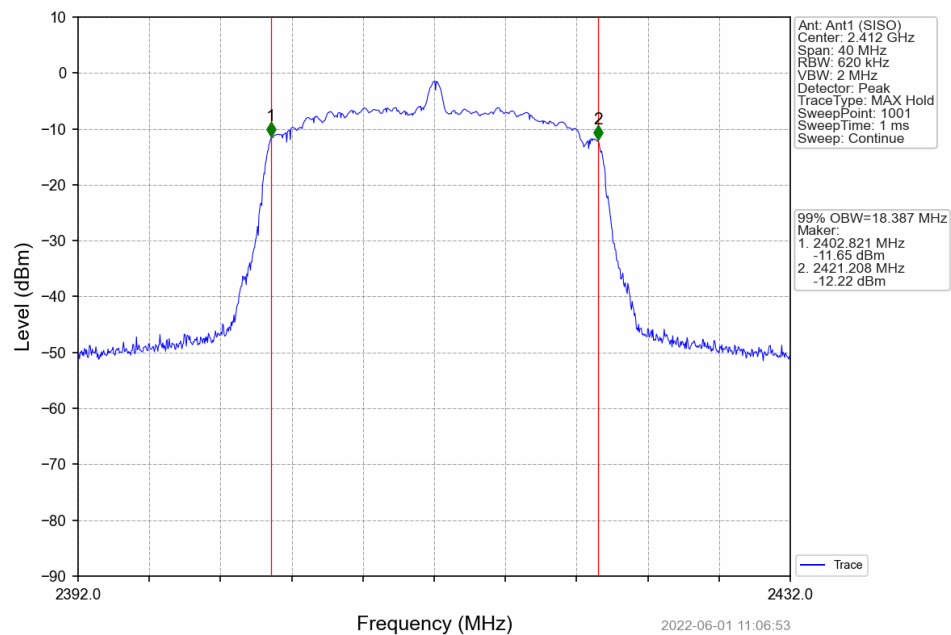
802.11g_MCH_2437MHz_Ant1 (SISO) NTN



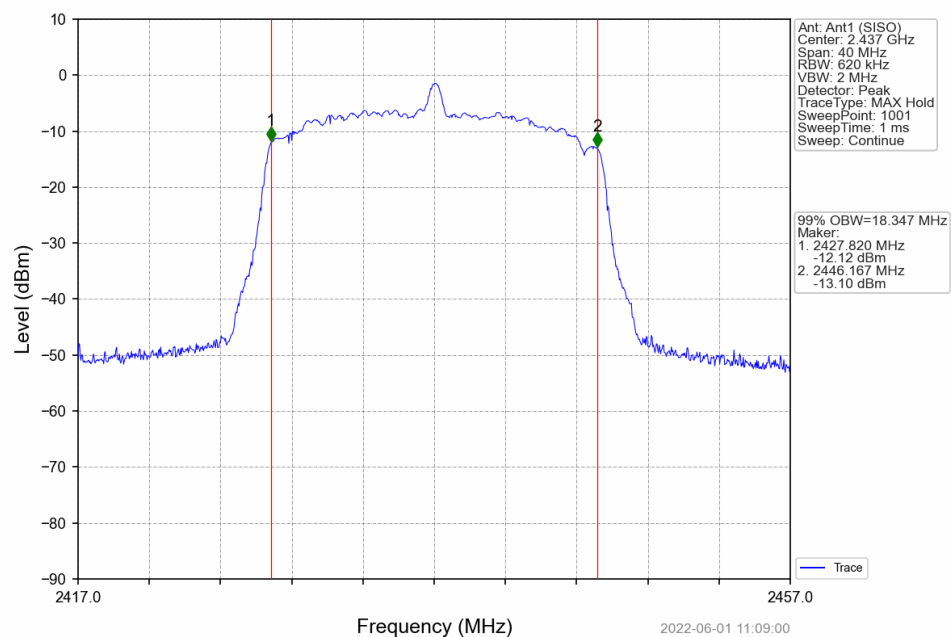
802.11g_HCH_2462MHz_Ant1 (SISO) NTN

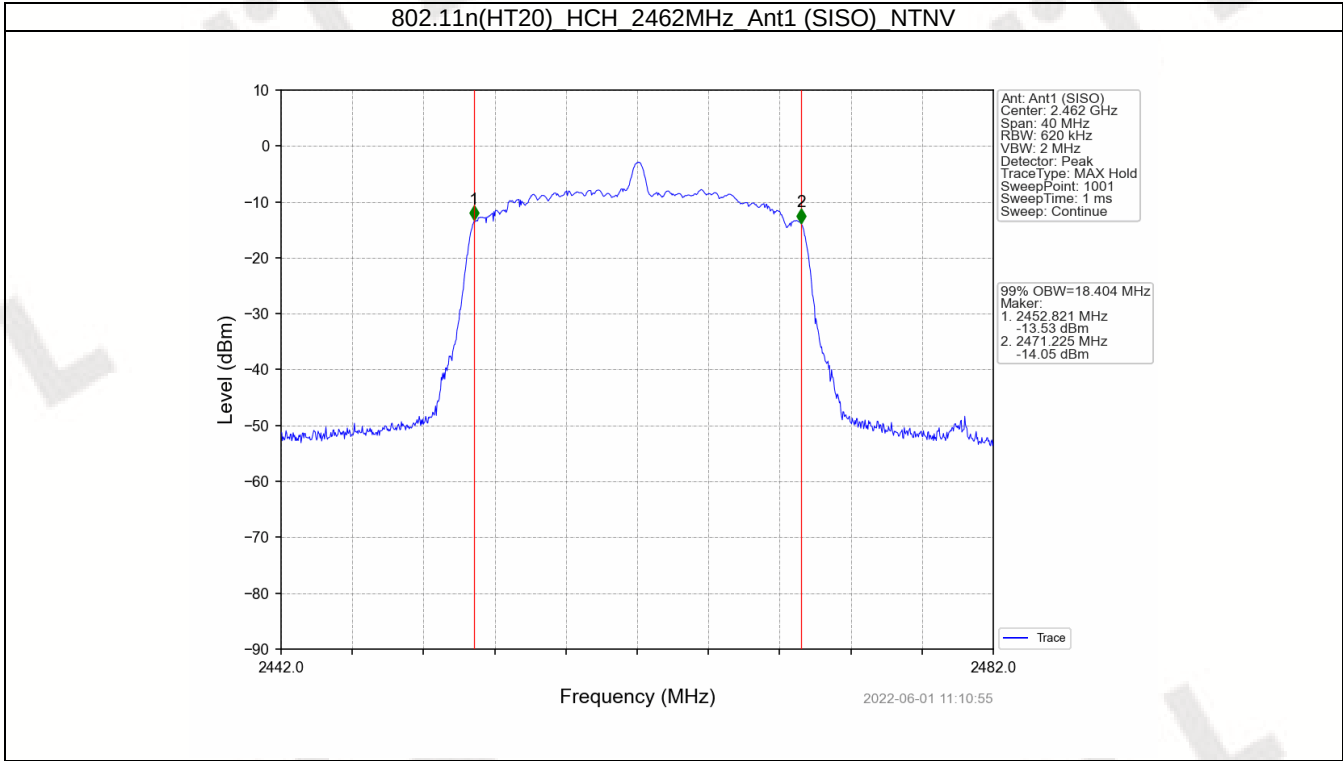


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



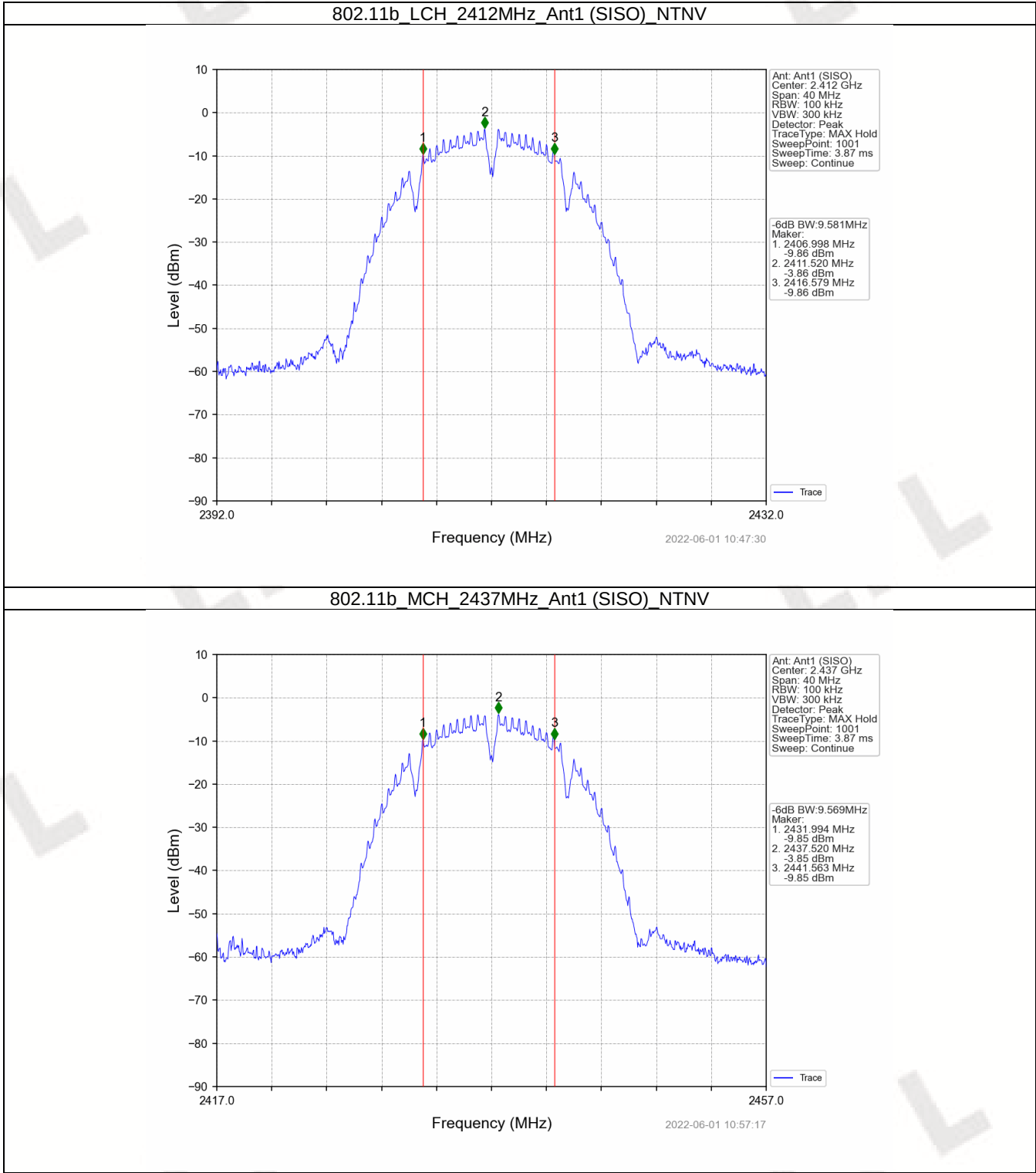


2.2 6dB BW

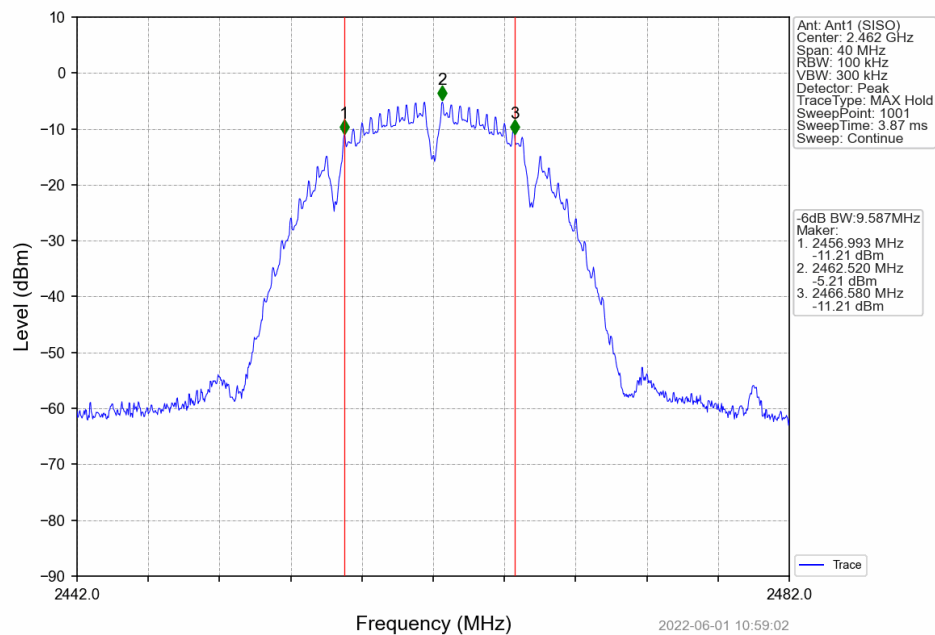
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.581	>=0.5	Pass
		2437	1	9.569	>=0.5	Pass
		2462	1	9.587	>=0.5	Pass
802.11g	SISO	2412	1	15.144	>=0.5	Pass
		2437	1	15.149	>=0.5	Pass
		2462	1	15.139	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	12.606	>=0.5	Pass
		2437	1	11.348	>=0.5	Pass
		2462	1	12.589	>=0.5	Pass

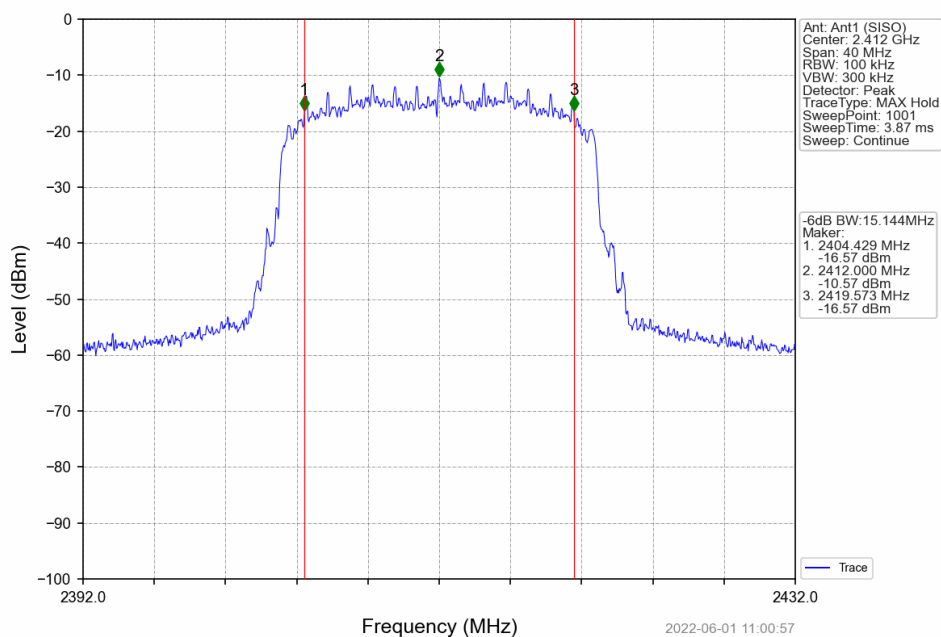
2.2.2 Test Graph



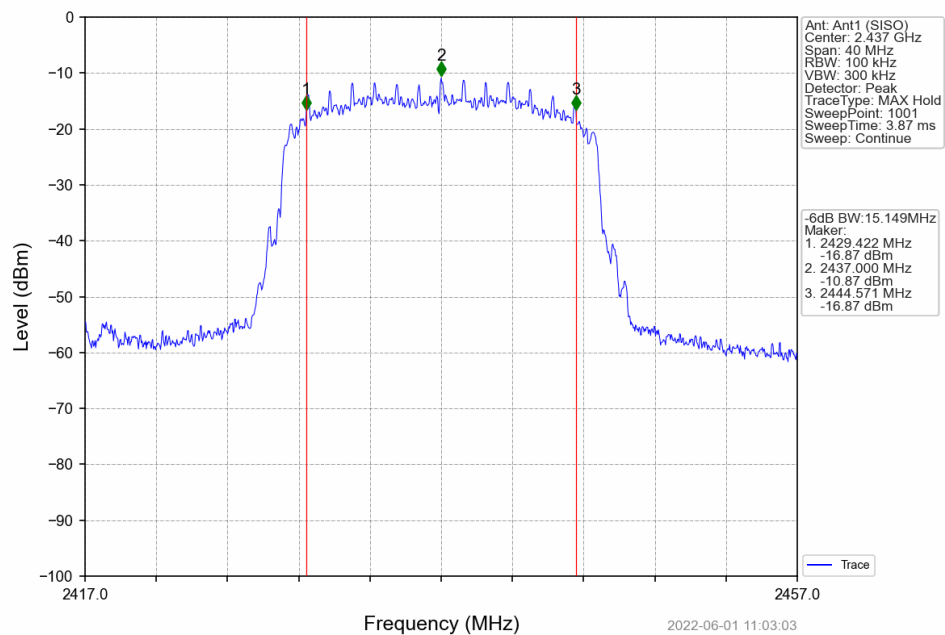
802.11b HCH 2462MHz Ant1 (SISO) NTN



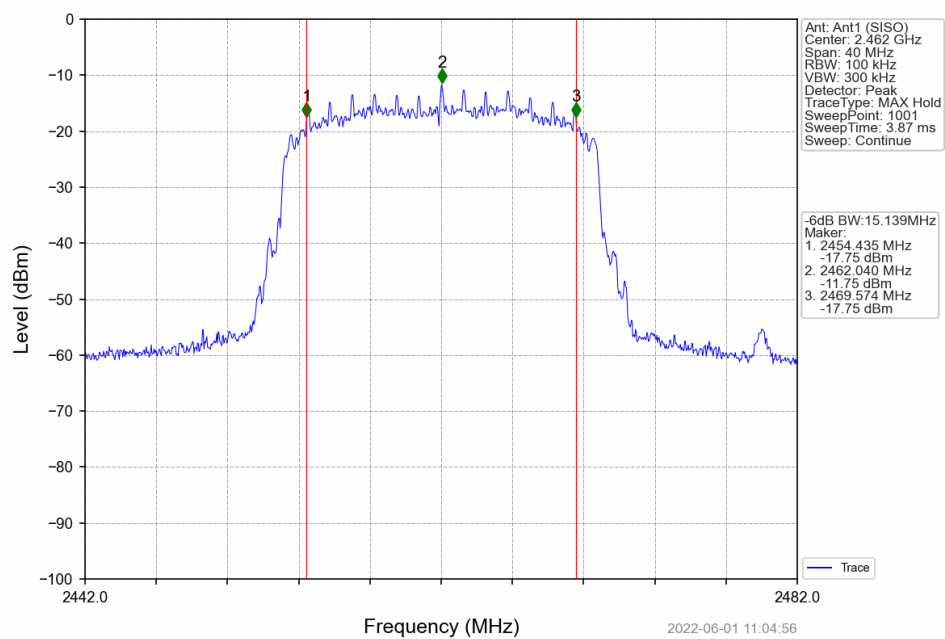
802.11g LCH 2412MHz Ant1 (SISO) NTN



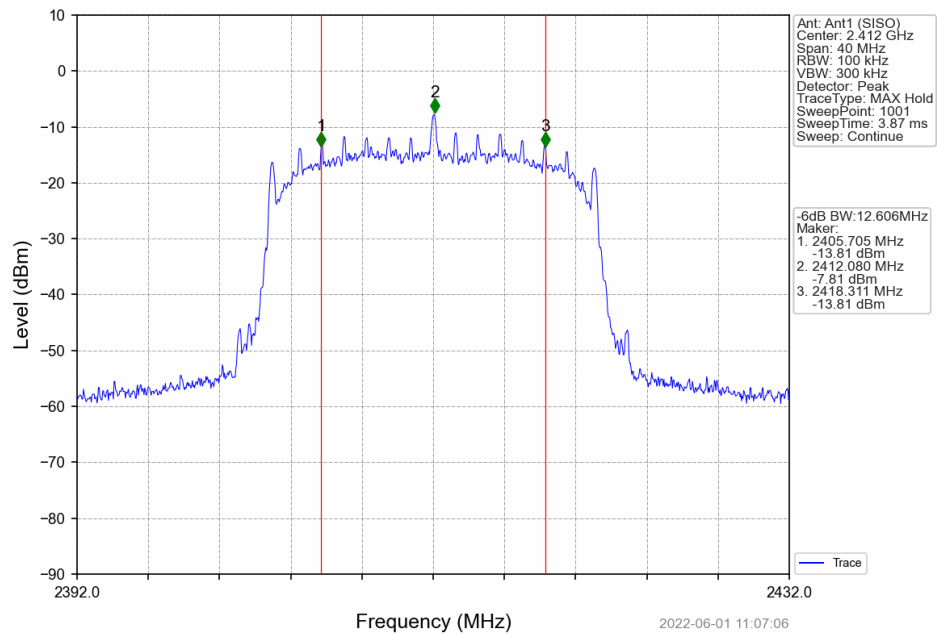
802.11g MCH 2437MHz Ant1 (SISO) NTN



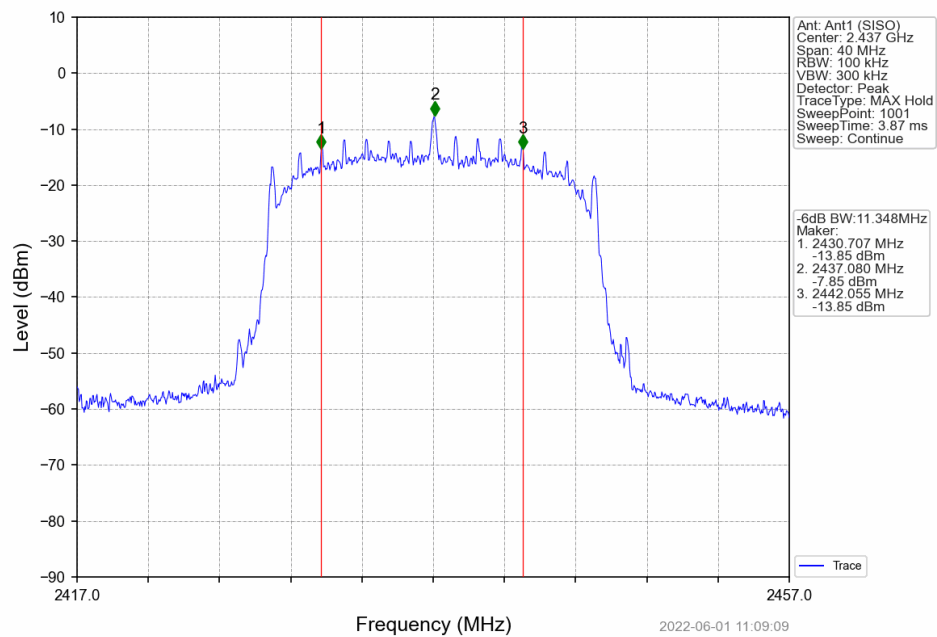
802.11g HCH 2462MHz Ant1 (SISO) NTN

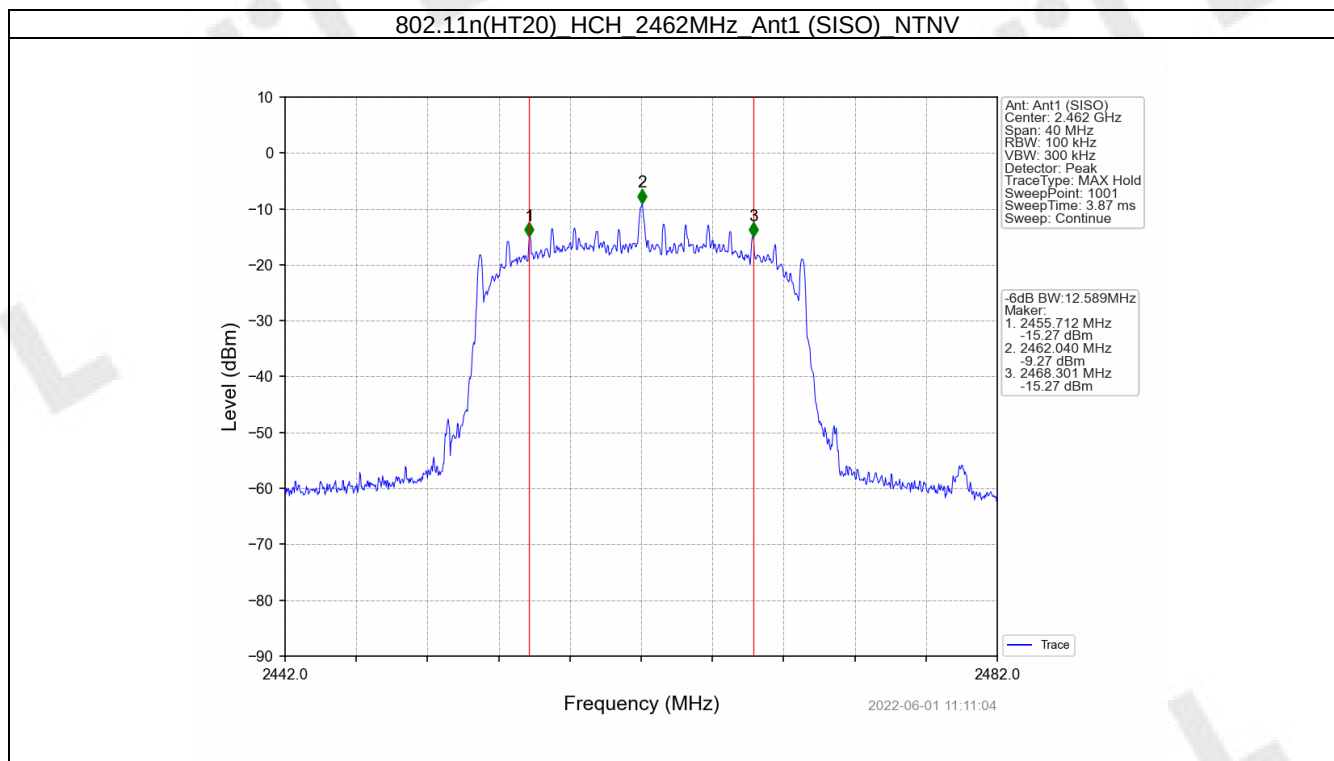


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



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 Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	7.85	<=30	Pass
		2437	7.79	<=30	Pass
		2462	6.47	<=30	Pass
802.11g	SISO	2412	7.40	<=30	Pass
		2437	7.17	<=30	Pass
		2462	5.80	<=30	Pass
802.11n (HT20)	SISO	2412	6.96	<=30	Pass
		2437	6.47	<=30	Pass
		2462	5.40	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

4. Maximum Power Spectral Density

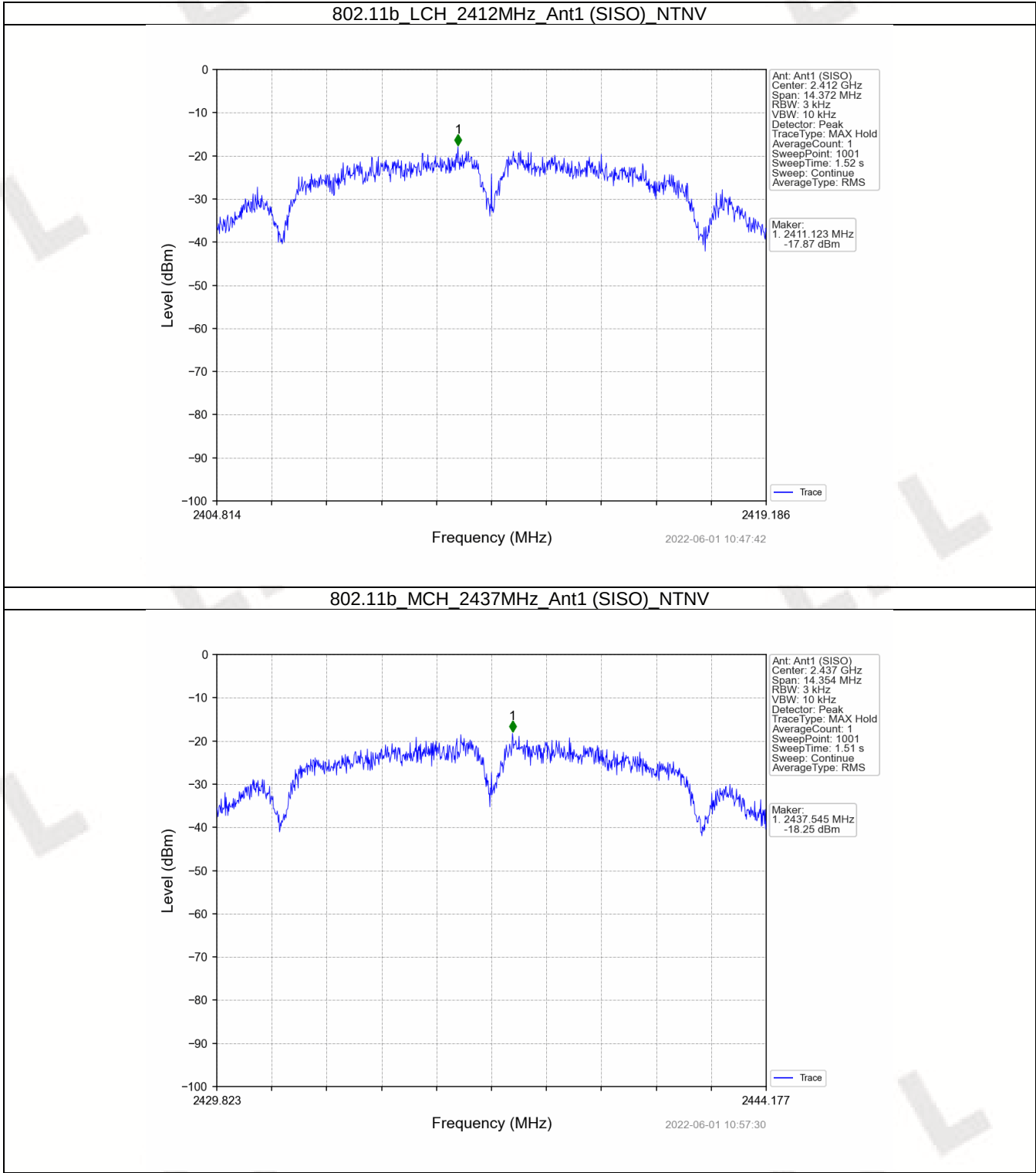
4.1 PSD

4.1.1 Test Result

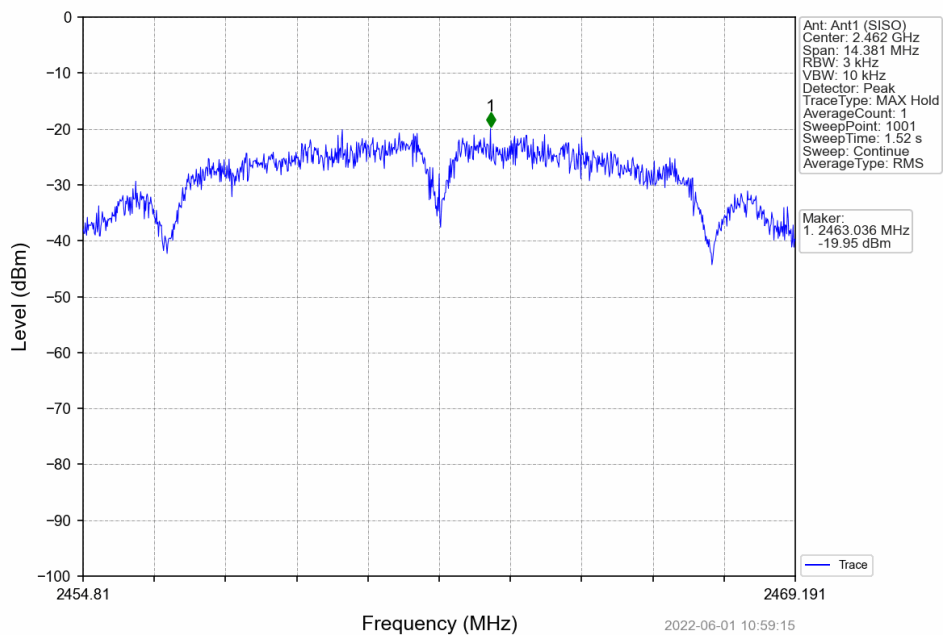
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-17.87	<=8	Pass
		2437	-18.25	<=8	Pass
		2462	-19.95	<=8	Pass
802.11g	SISO	2412	-25.45	<=8	Pass
		2437	-25.98	<=8	Pass
		2462	-25.34	<=8	Pass
802.11n (HT20)	SISO	2412	-23.69	<=8	Pass
		2437	-19.43	<=8	Pass
		2462	-25.53	<=8	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

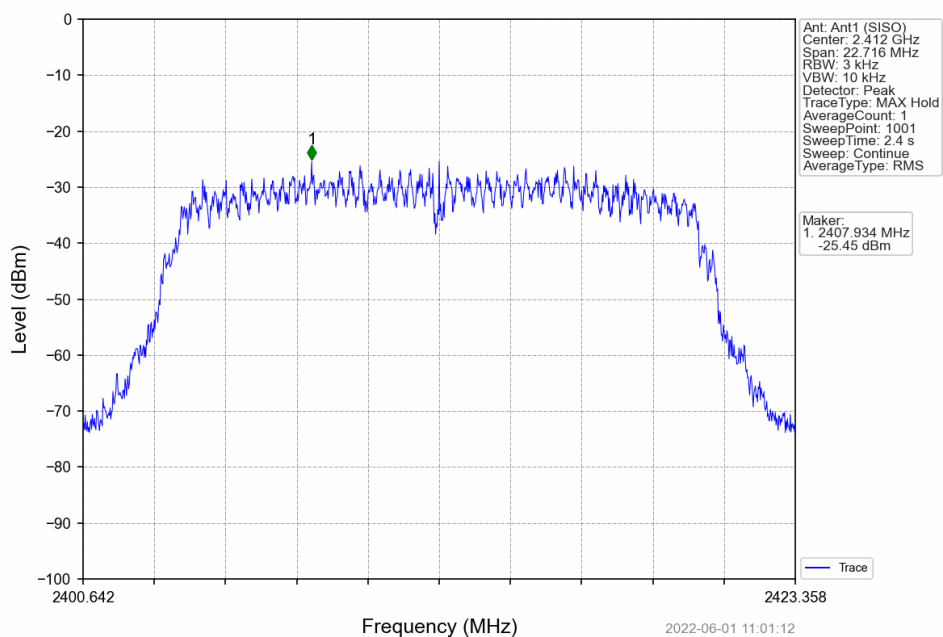
4.1.2 Test Graph



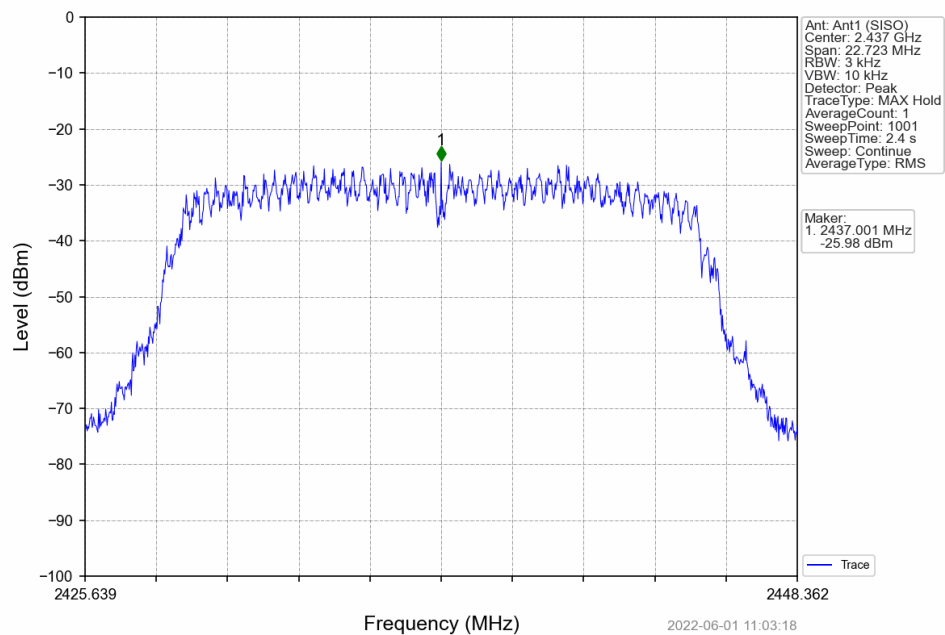
802.11b HCH 2462MHz Ant1 (SISO) NTN



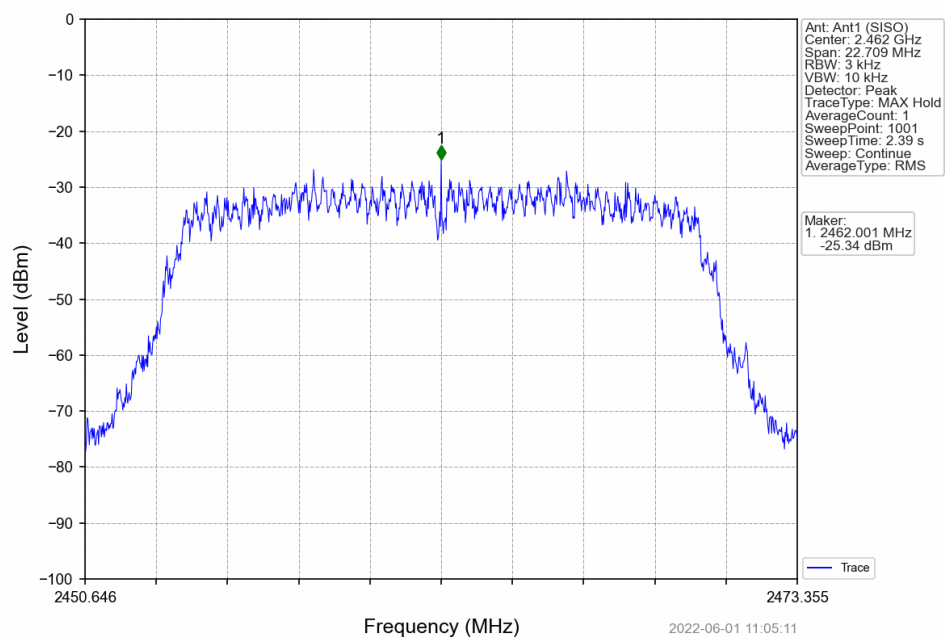
802.11g LCH 2412MHz Ant1 (SISO) NTN



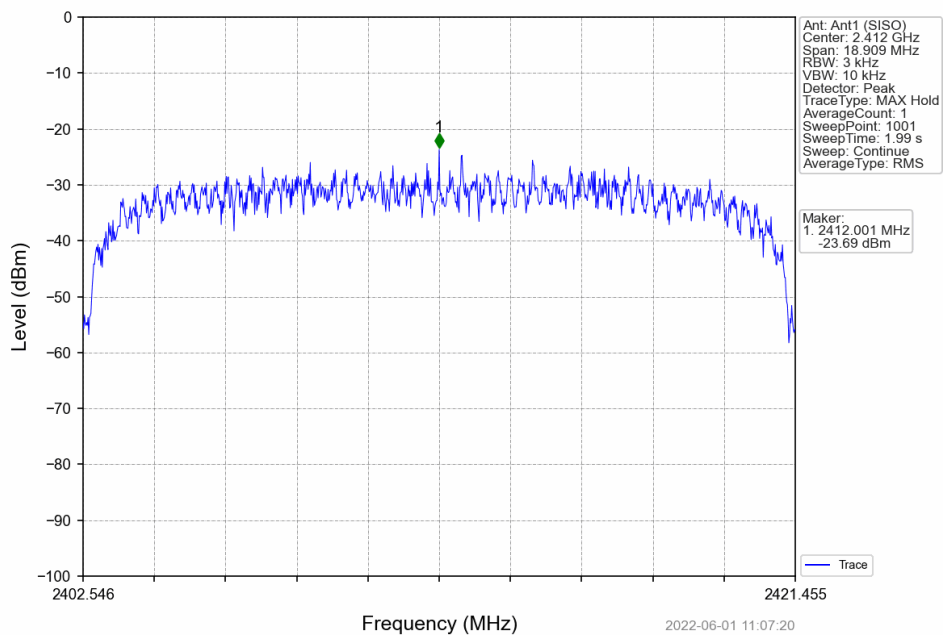
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



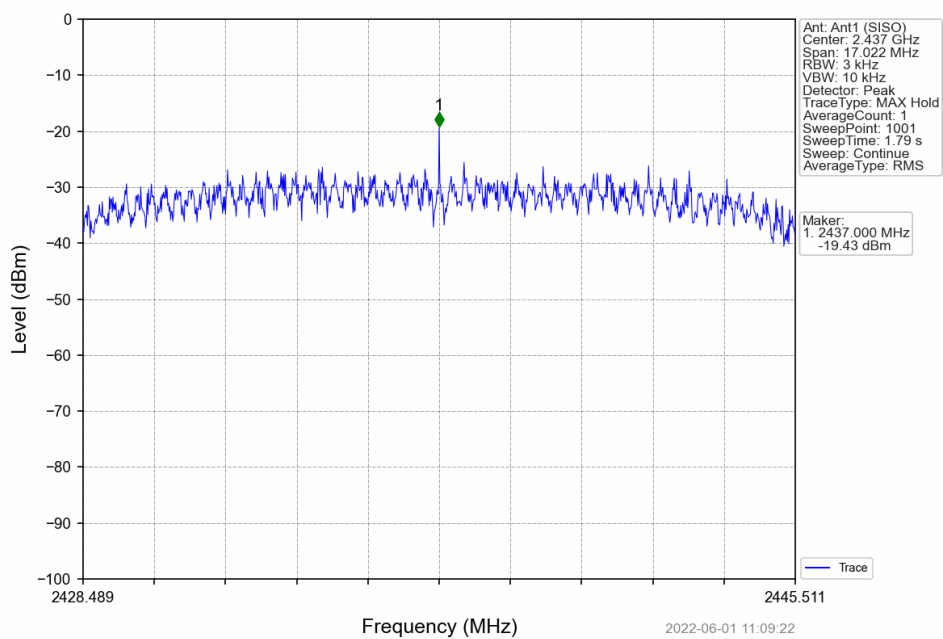
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

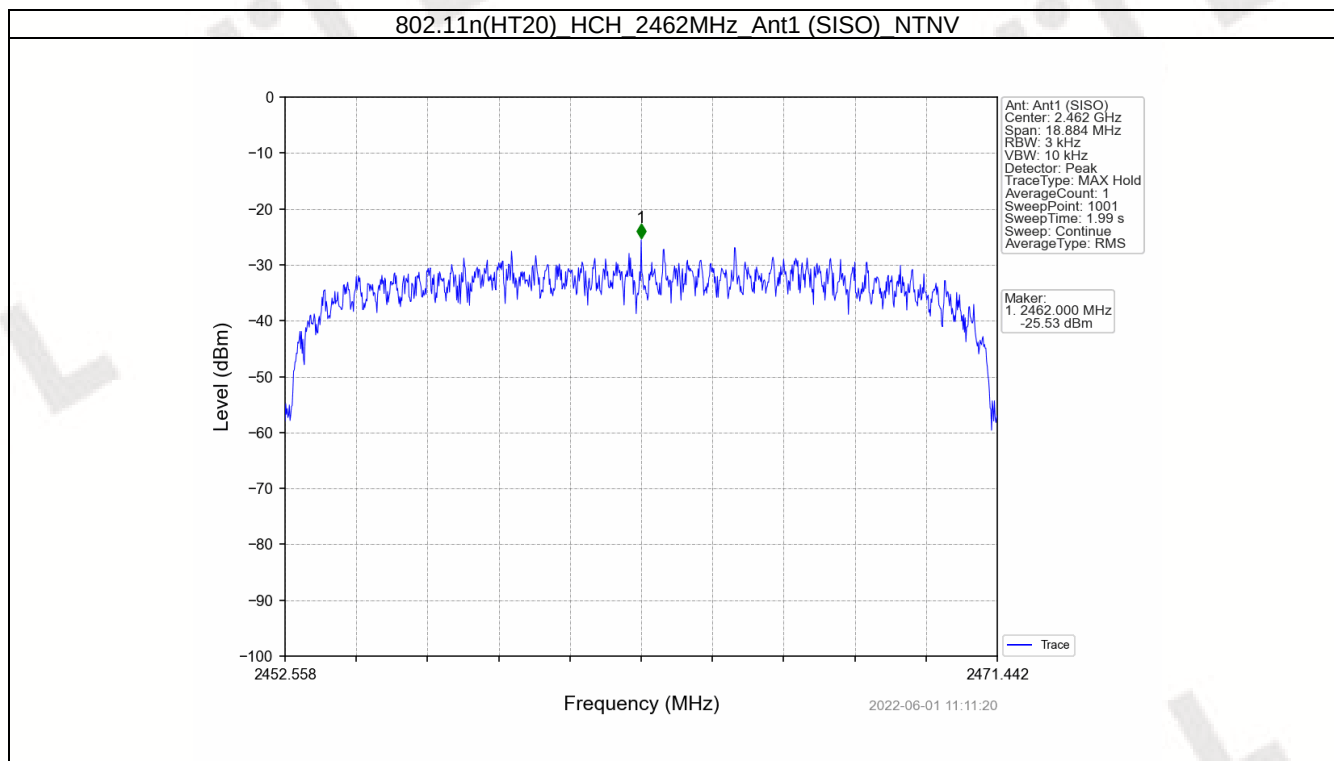


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

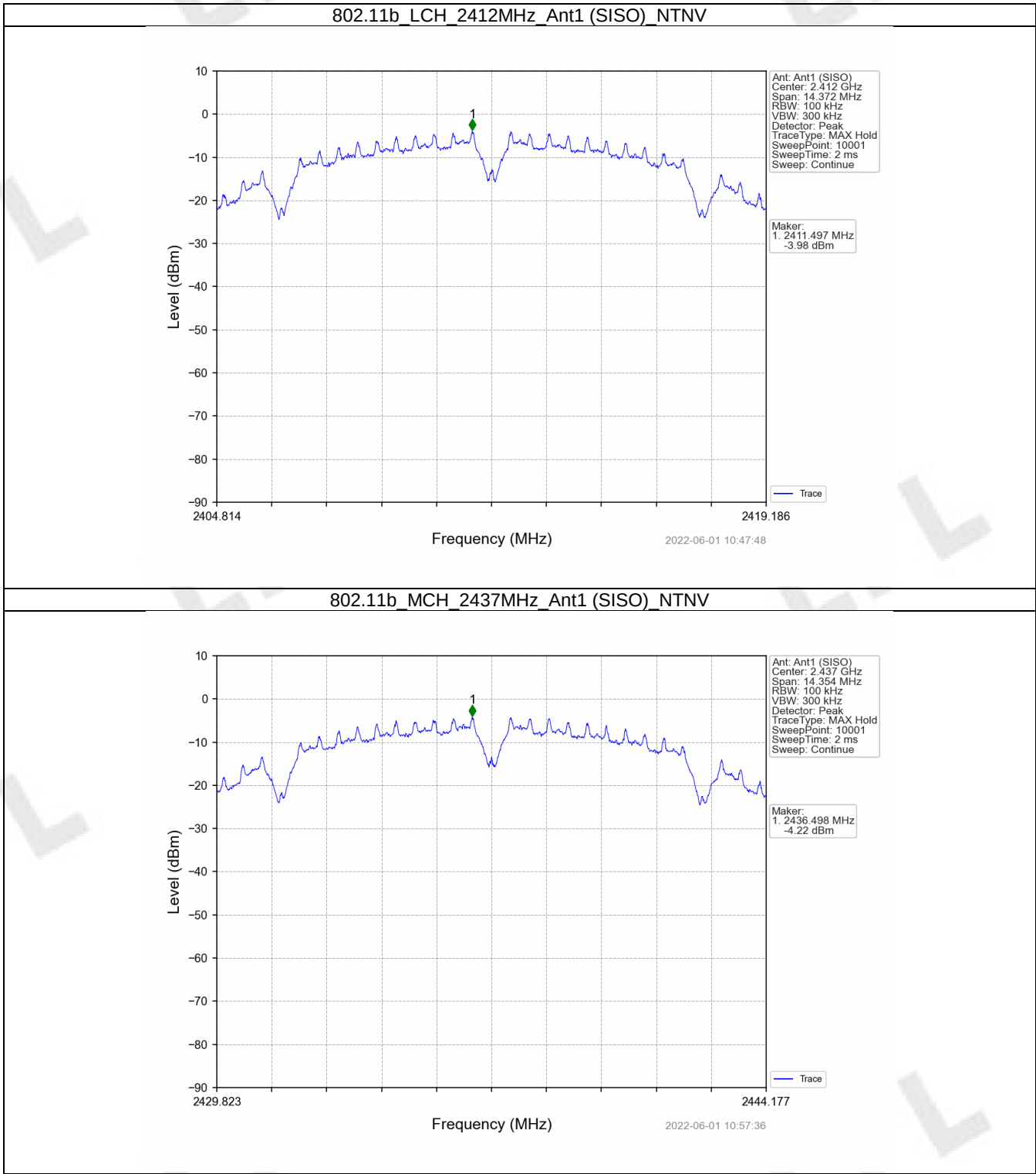
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-3.98
		2437	1	-4.22
		2462	1	-5.45
802.11g	SISO	2412	1	-10.85
		2437	1	-10.86
		2462	1	-12.26
802.11n (HT20)	SISO	2412	1	-7.85
		2437	1	-8.27
		2462	1	-9.46

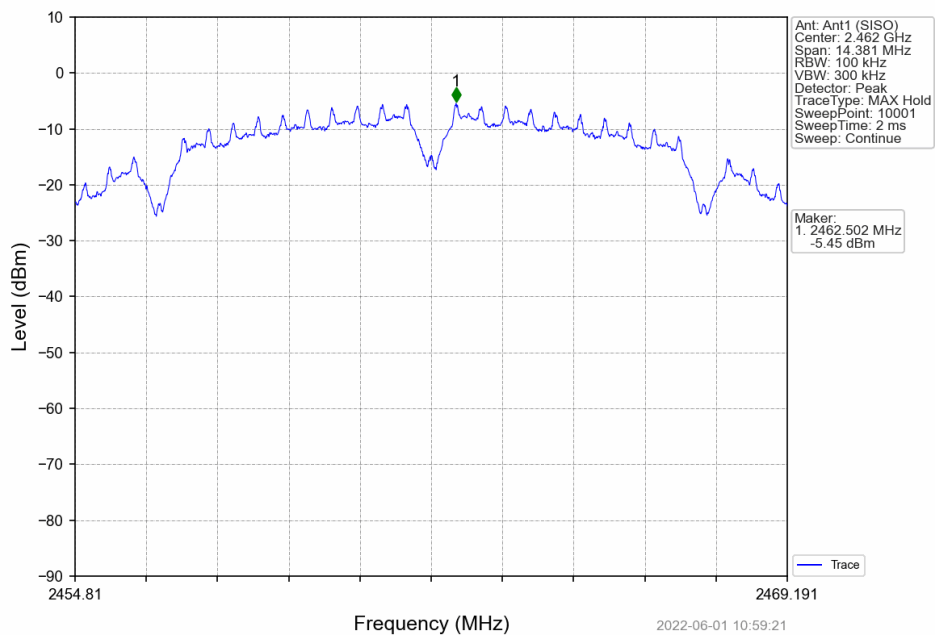
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

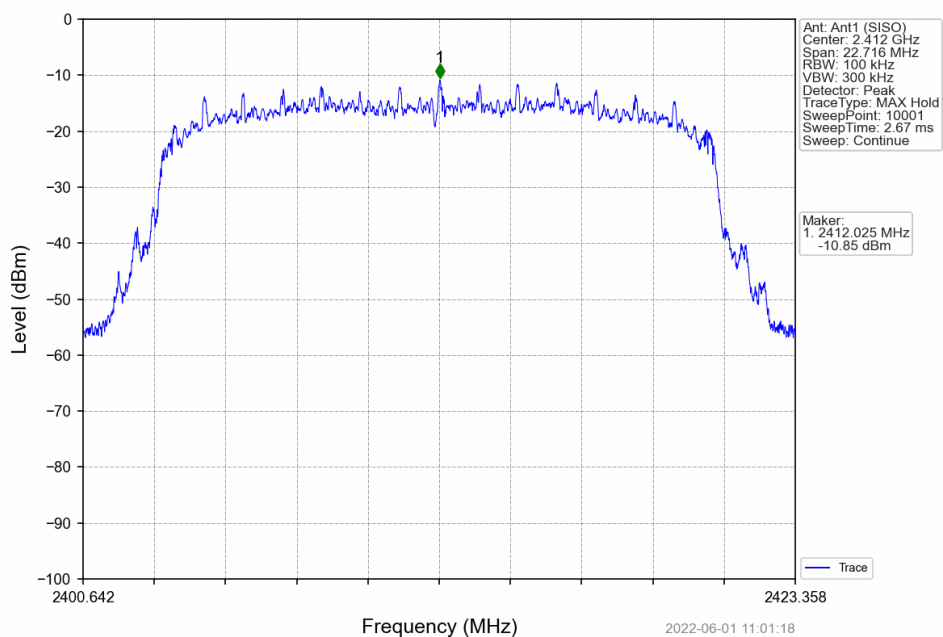
5.1.2 Test Graph

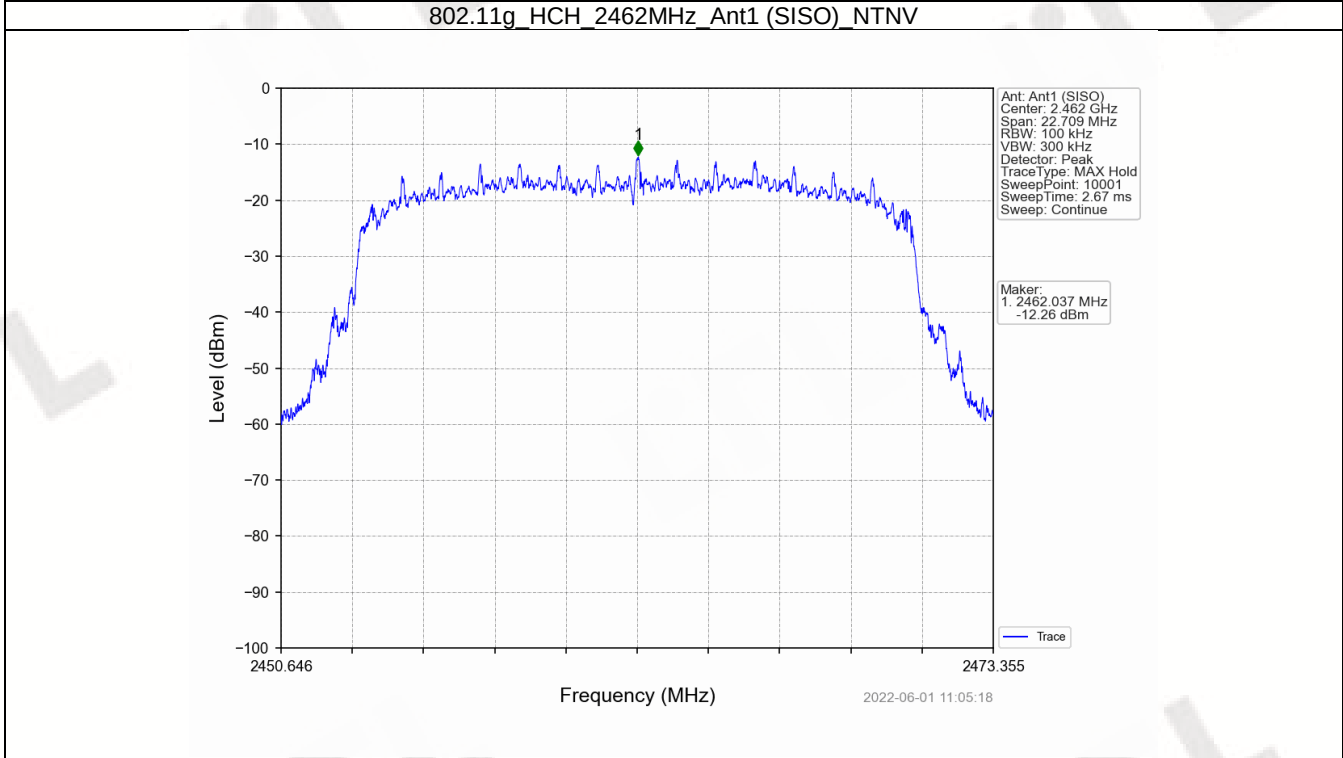
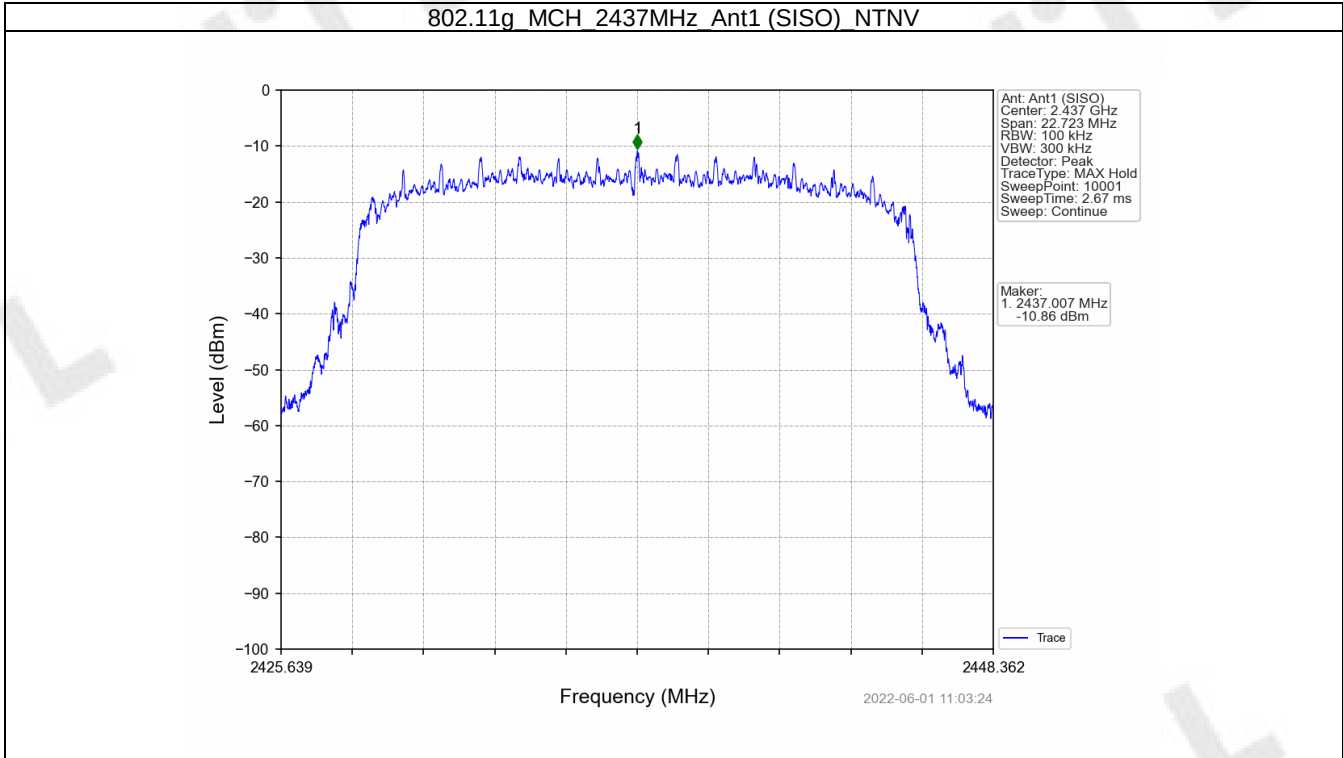


802.11b HCH 2462MHz Ant1 (SISO) NTN

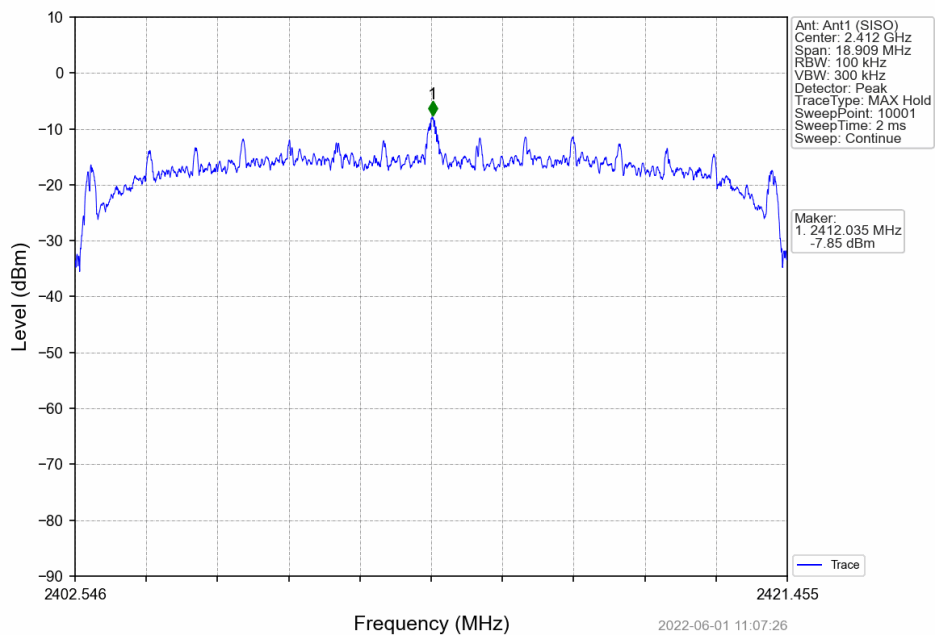


802.11g LCH 2412MHz Ant1 (SISO) NTN

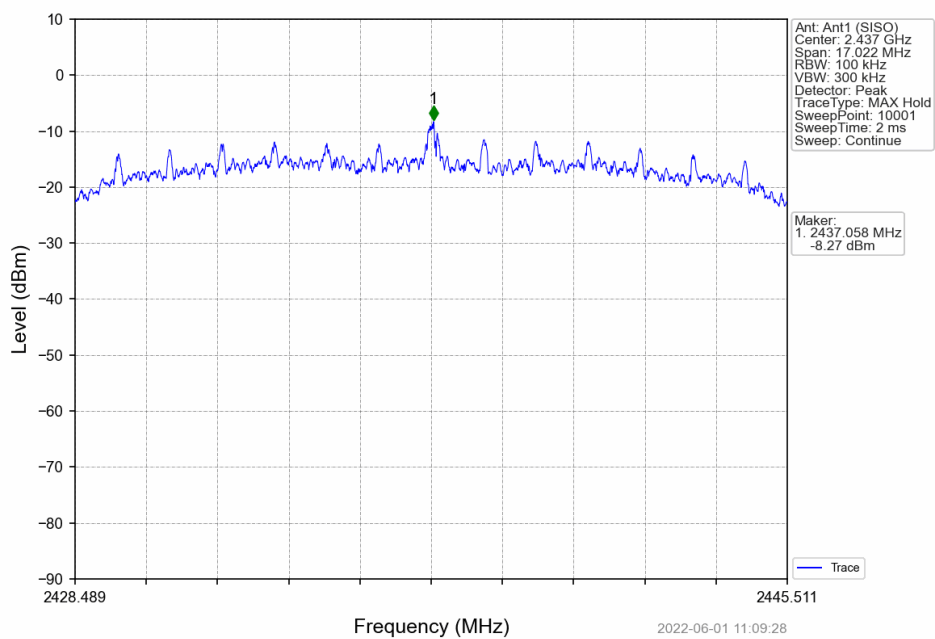


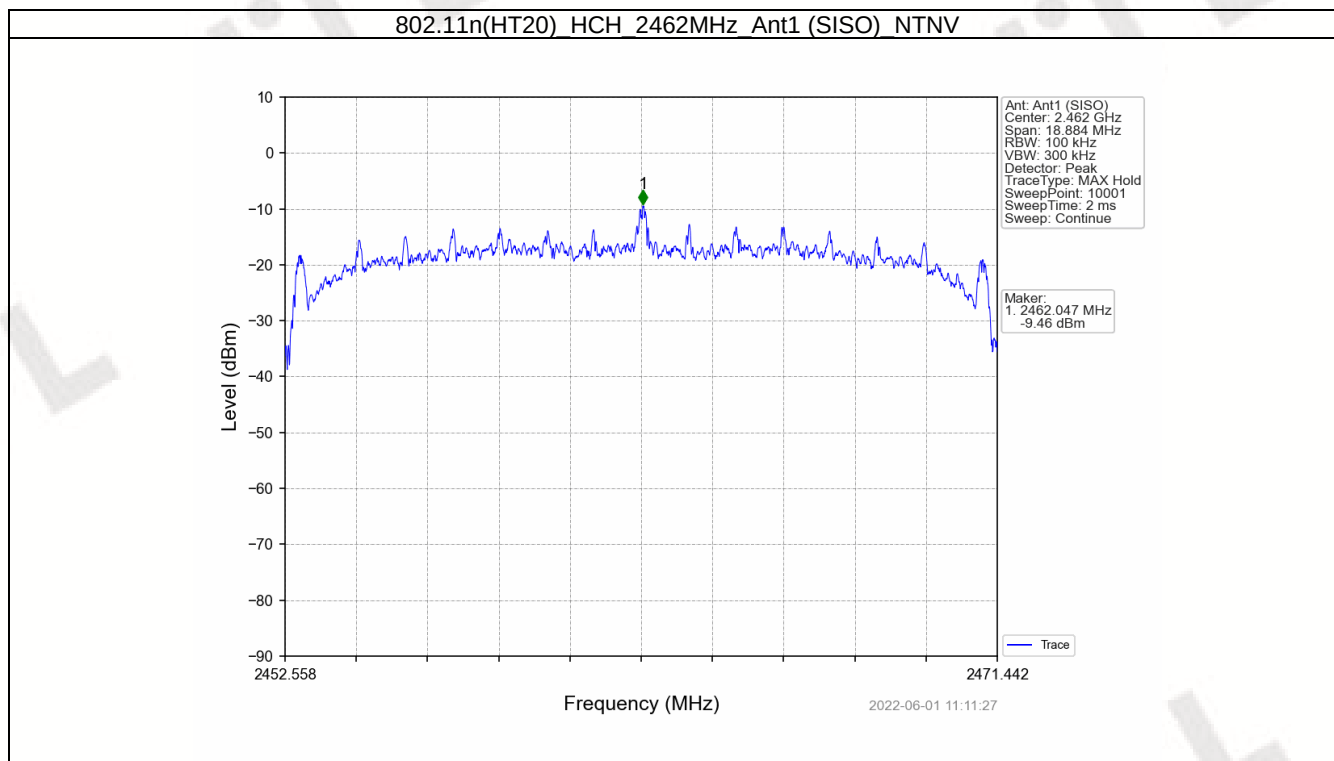


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTN



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTN





5.2 CSE

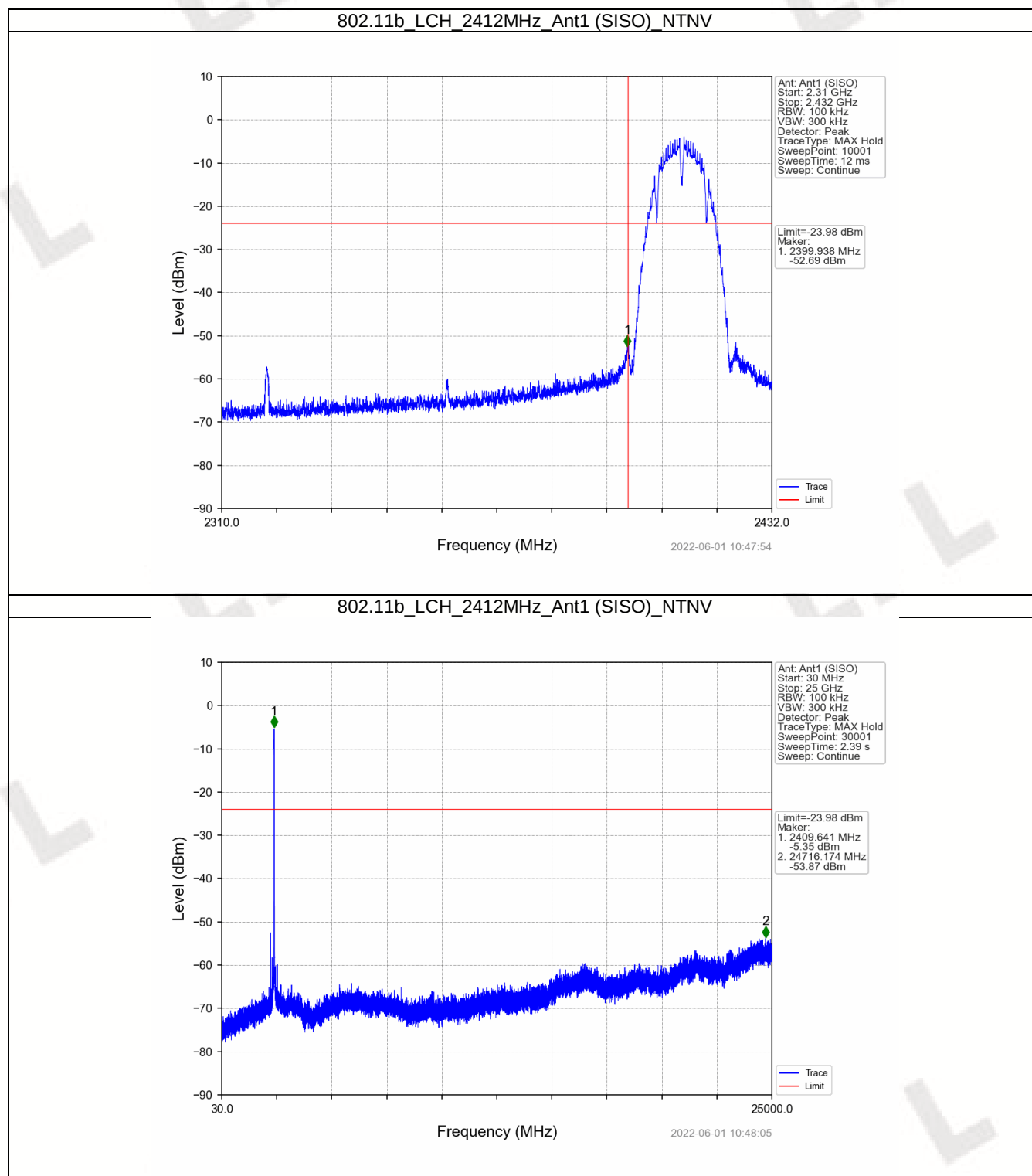
5.2.1 Test Result

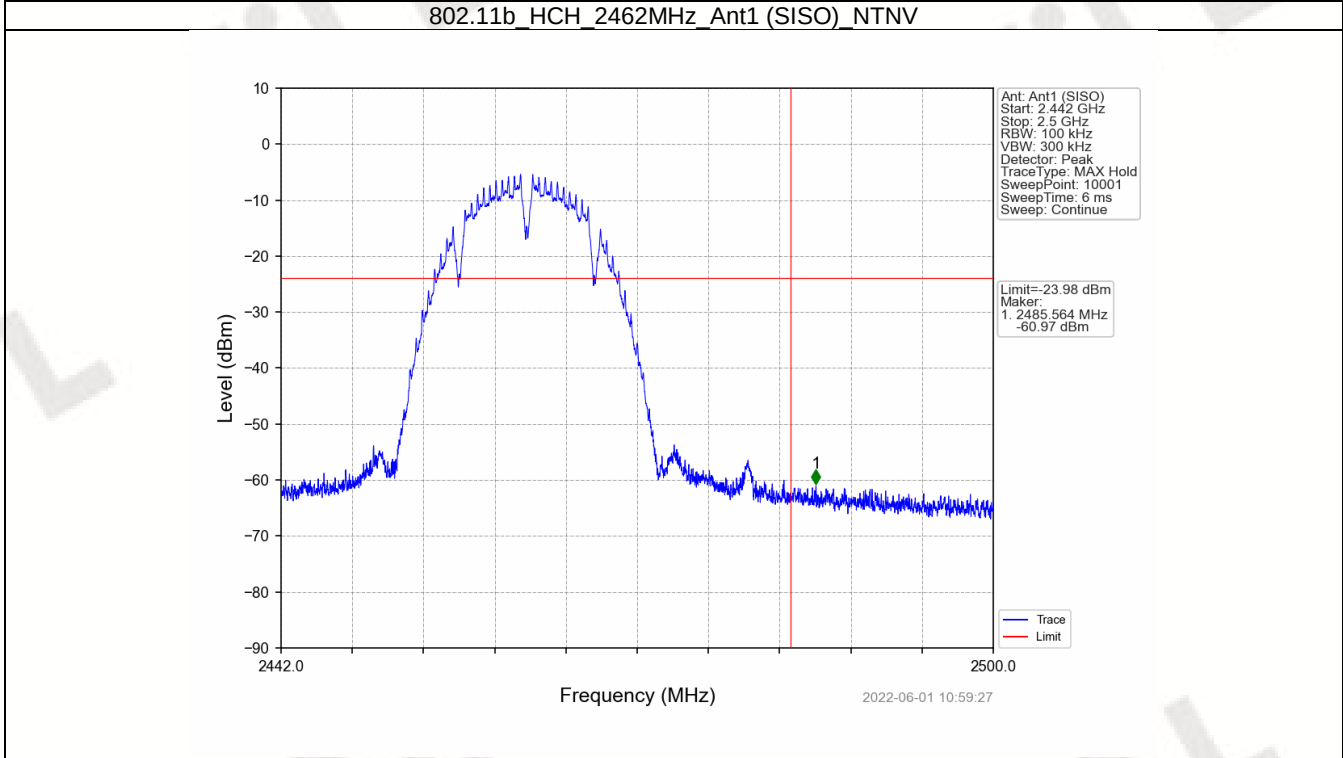
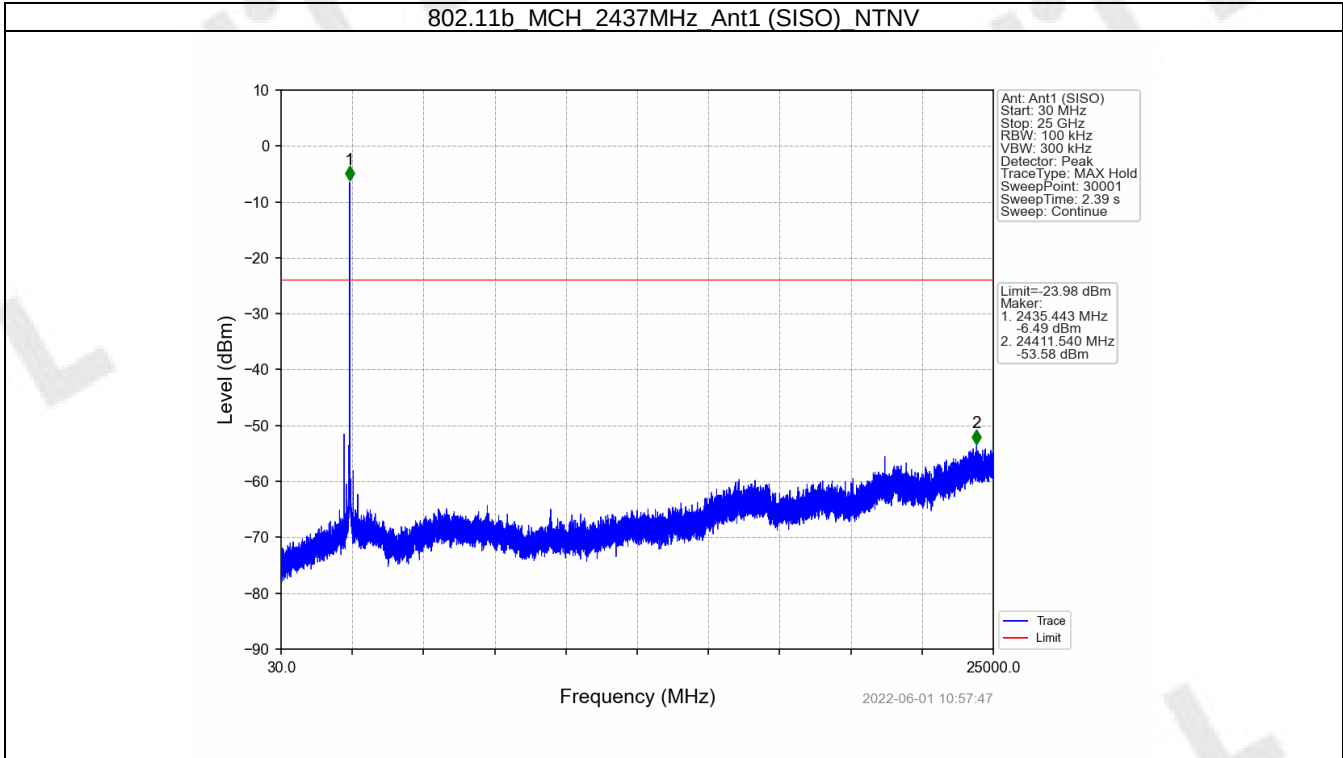
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-3.98	-23.98	Pass
		2437	1	-3.98	-23.98	Pass
		2462	1	-3.98	-23.98	Pass
802.11g	SISO	2412	1	-10.85	-30.85	Pass
		2437	1	-10.85	-30.85	Pass
		2462	1	-10.85	-30.85	Pass
802.11n (HT20)	SISO	2412	1	-7.85	-27.85	Pass
		2437	1	-7.85	-27.85	Pass
		2462	1	-7.85	-27.85	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.

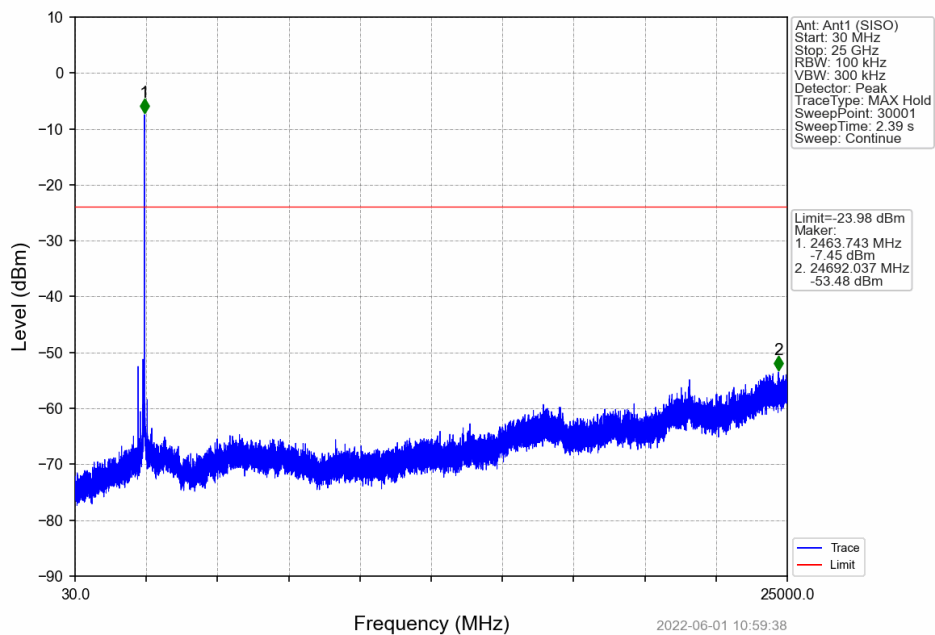
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

5.2.2 Test Graph

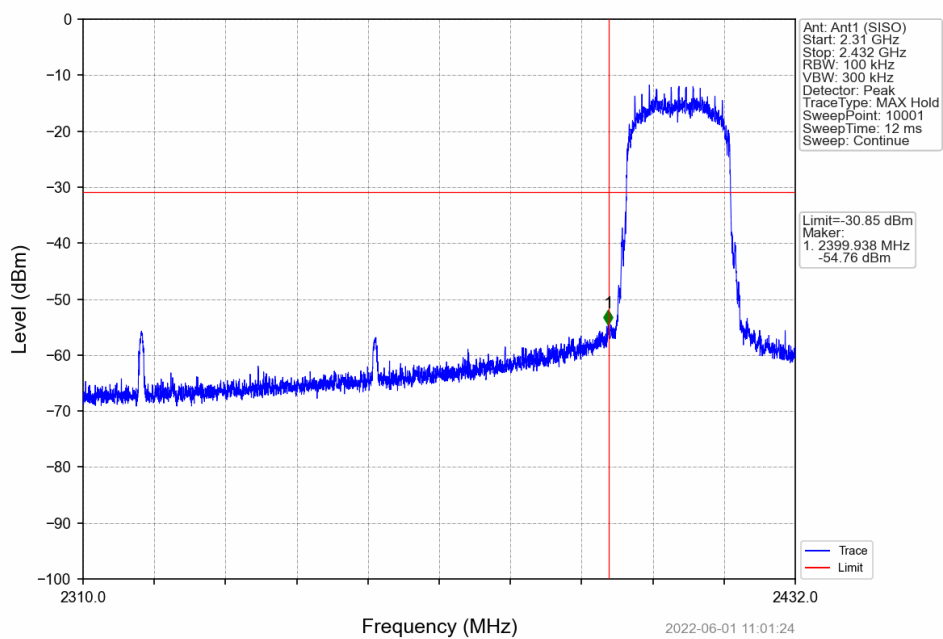




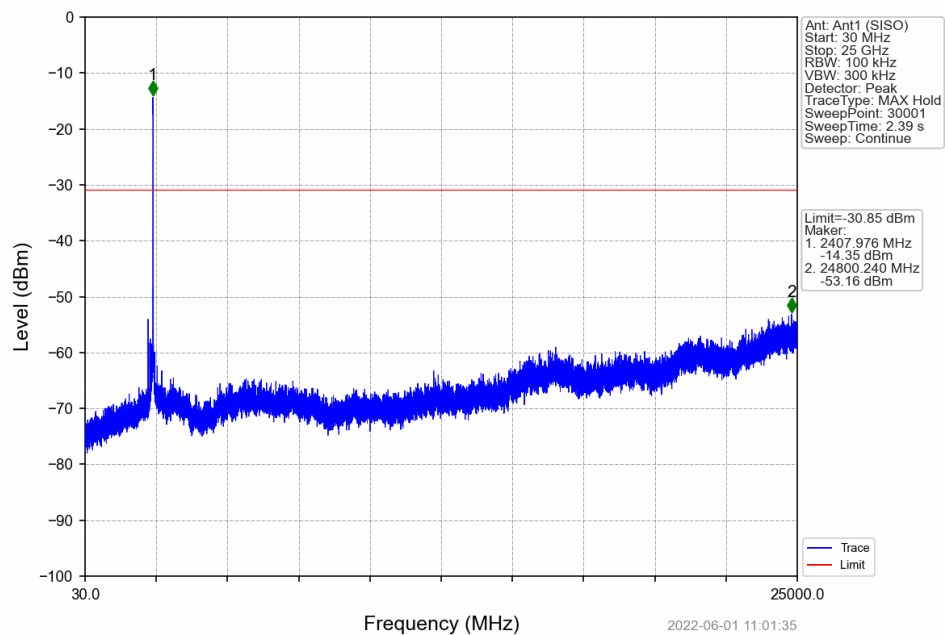
802.11b HCH 2462MHz Ant1 (SISO) NTN



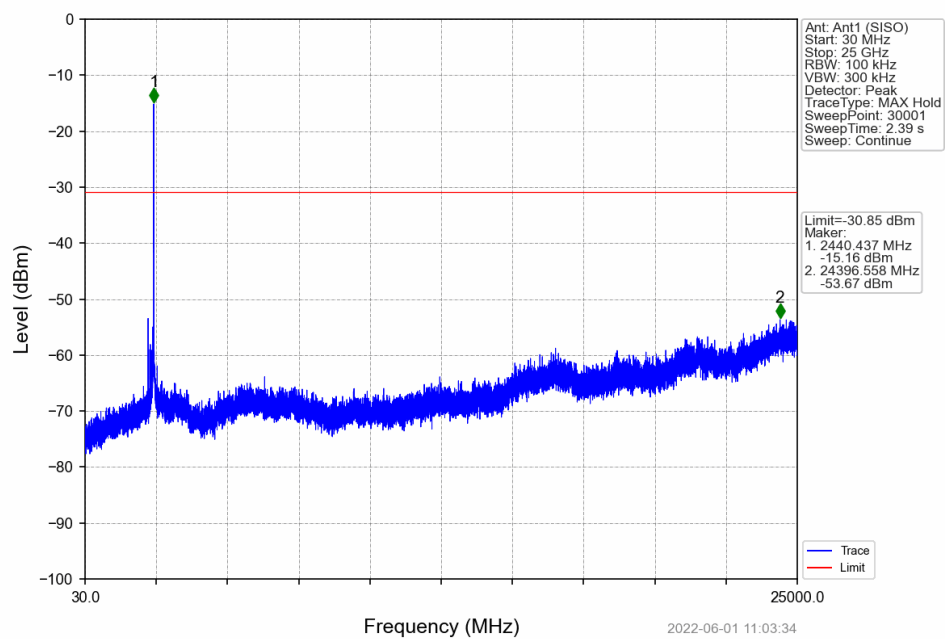
802.11g LCH 2412MHz Ant1 (SISO) NTN

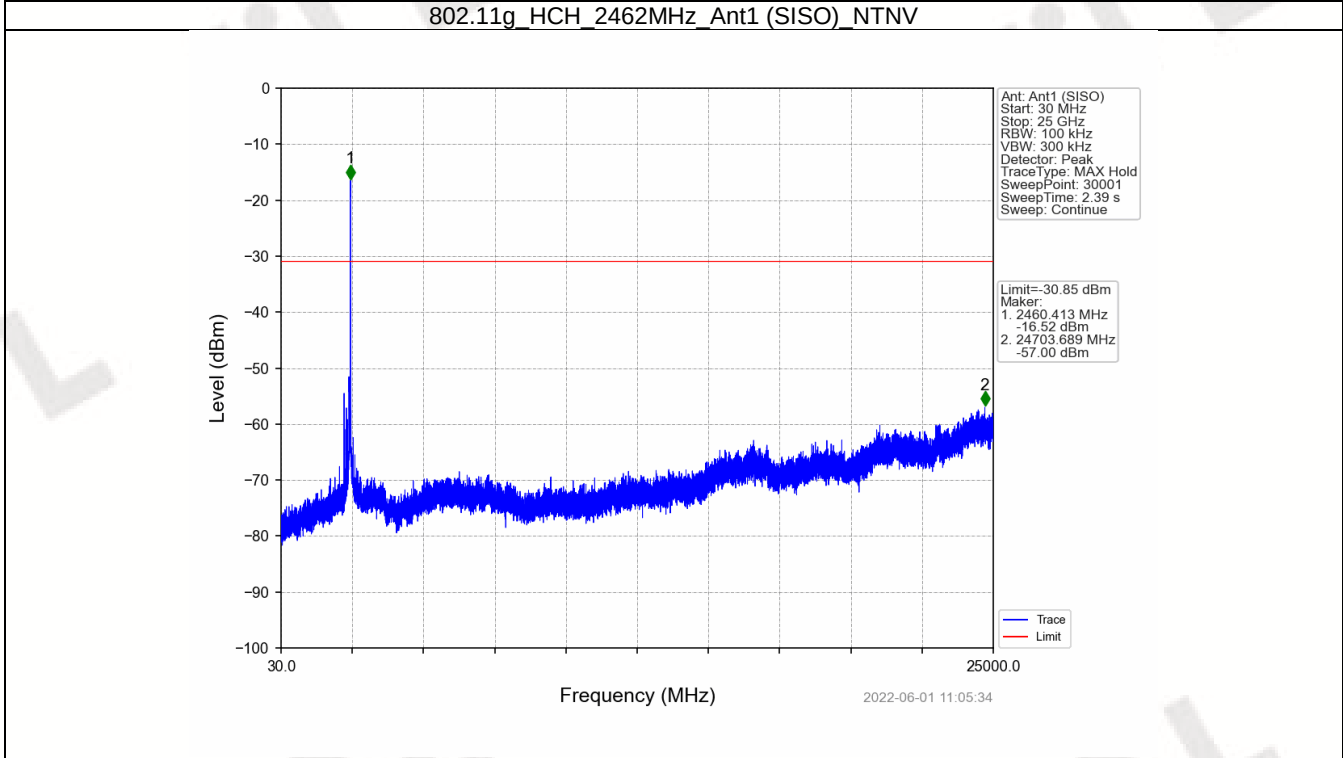
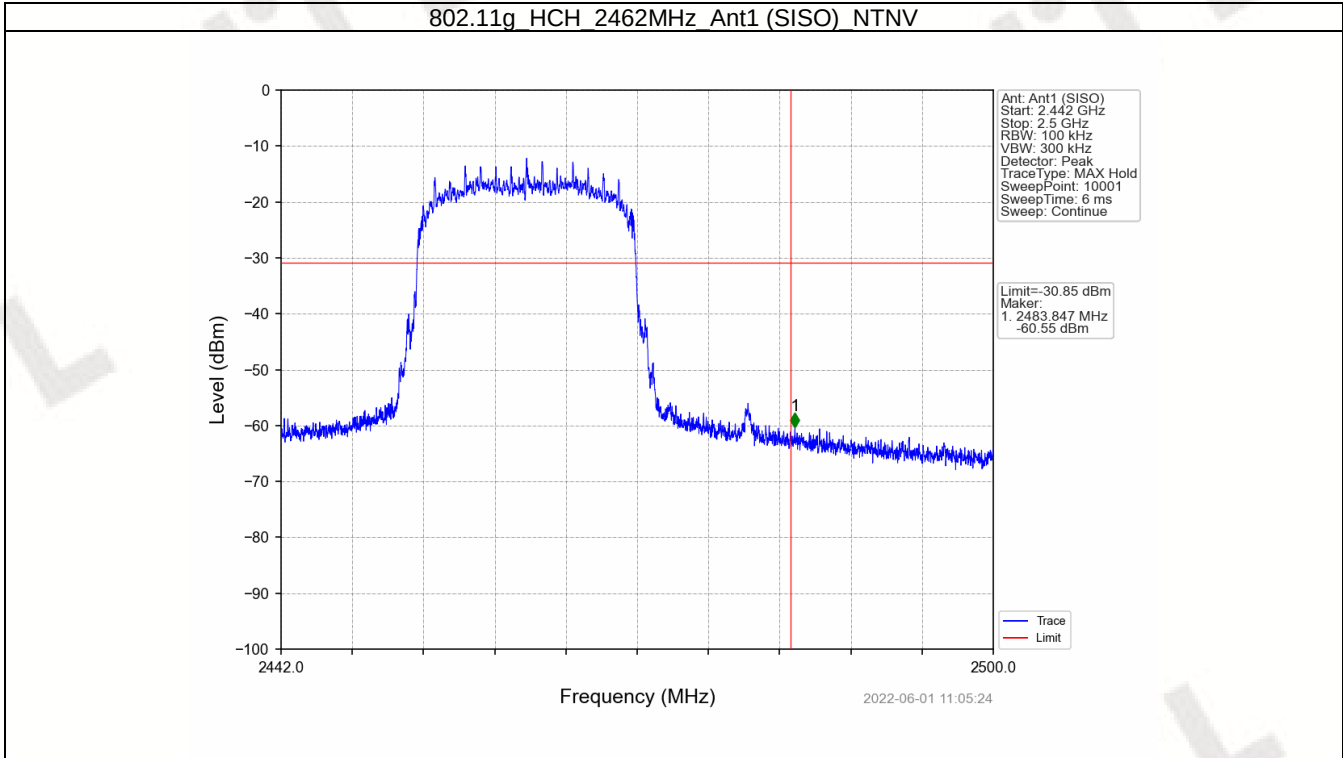


802.11g LCH 2412MHz Ant1 (SISO) NTN

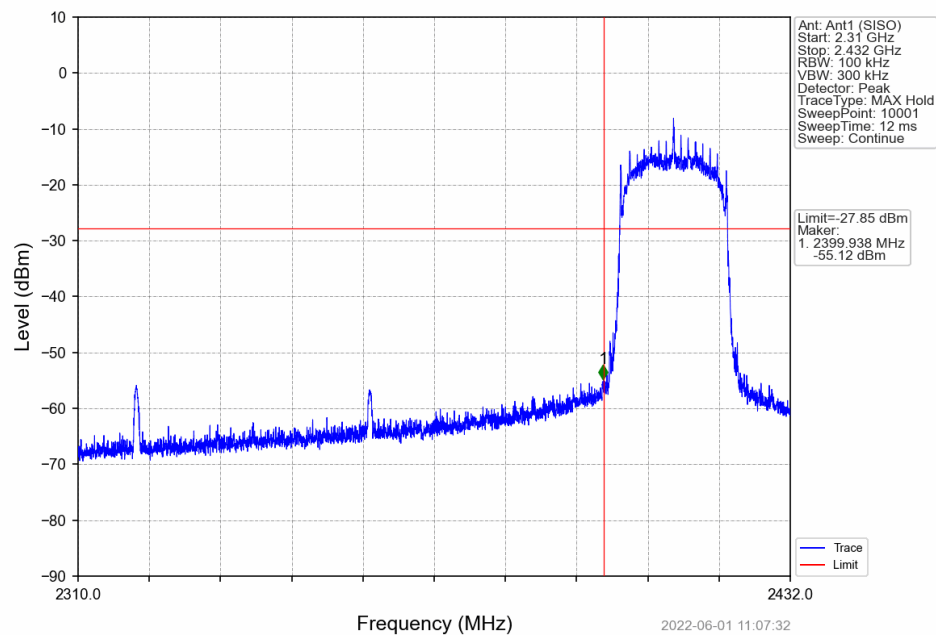


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

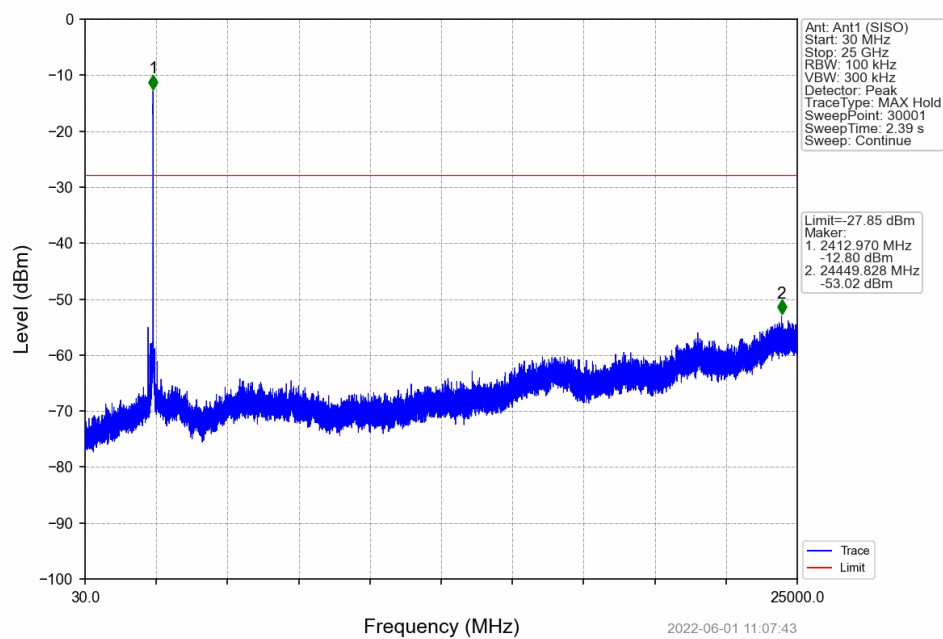




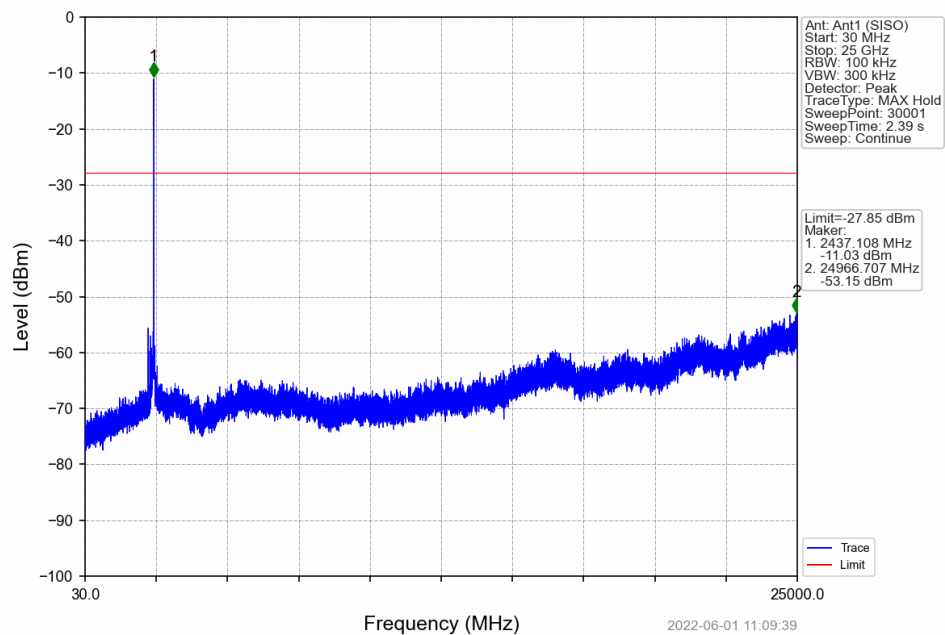
802.11n(HT20) LCH_2412MHz_Ant1 (SISO) NTNV



802.11n(HT20) LCH_2412MHz_Ant1 (SISO) NTNV



802.11n(HT20) MCH_2437MHz_Ant1 (SISO) NTNV



802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTNV

