

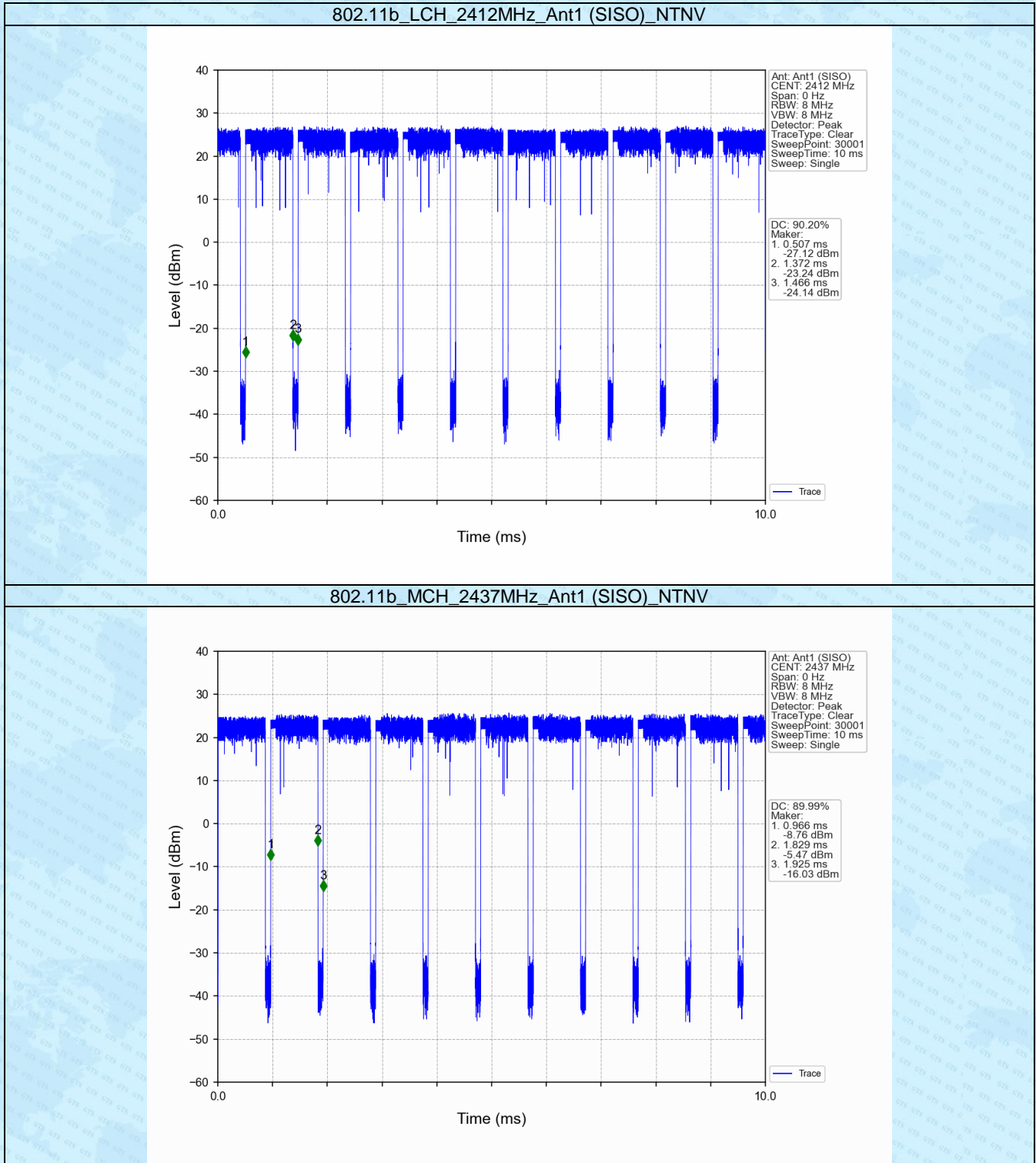
1. Duty Cycle

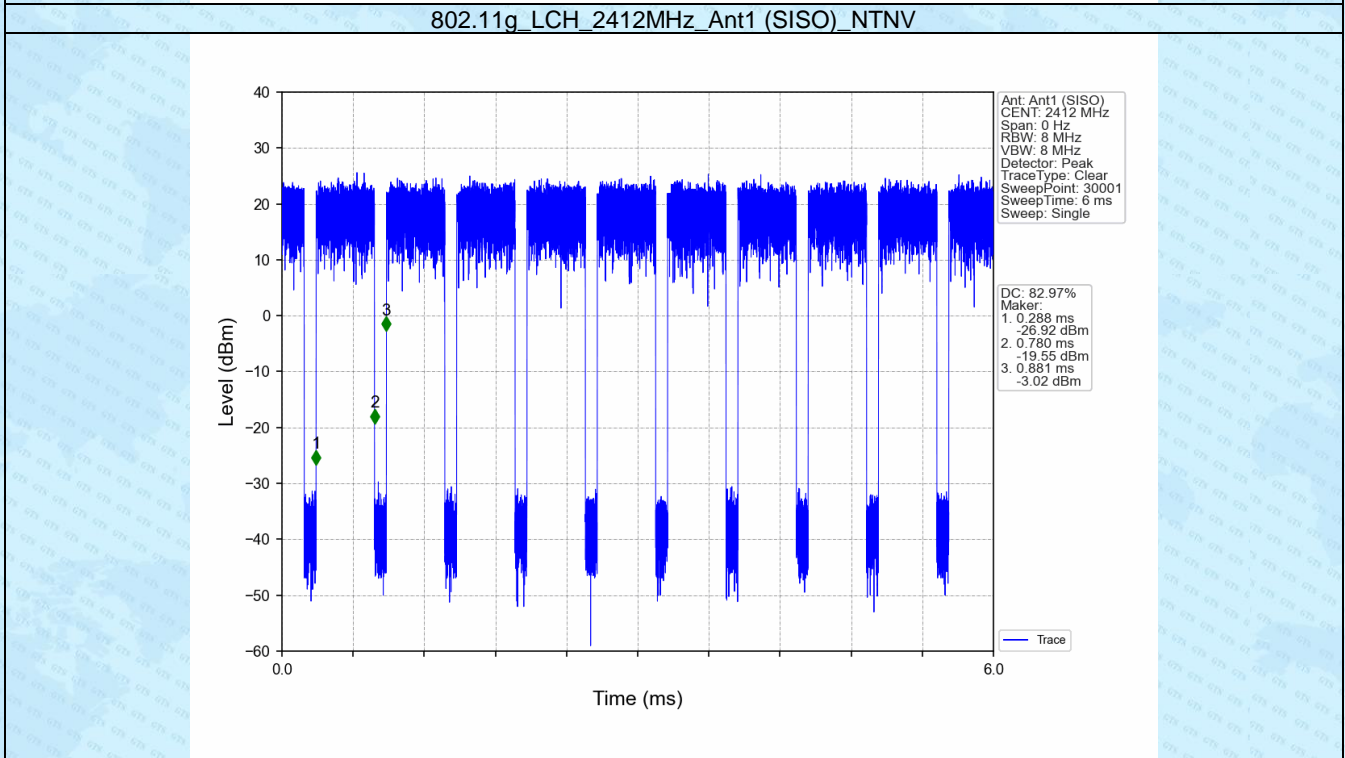
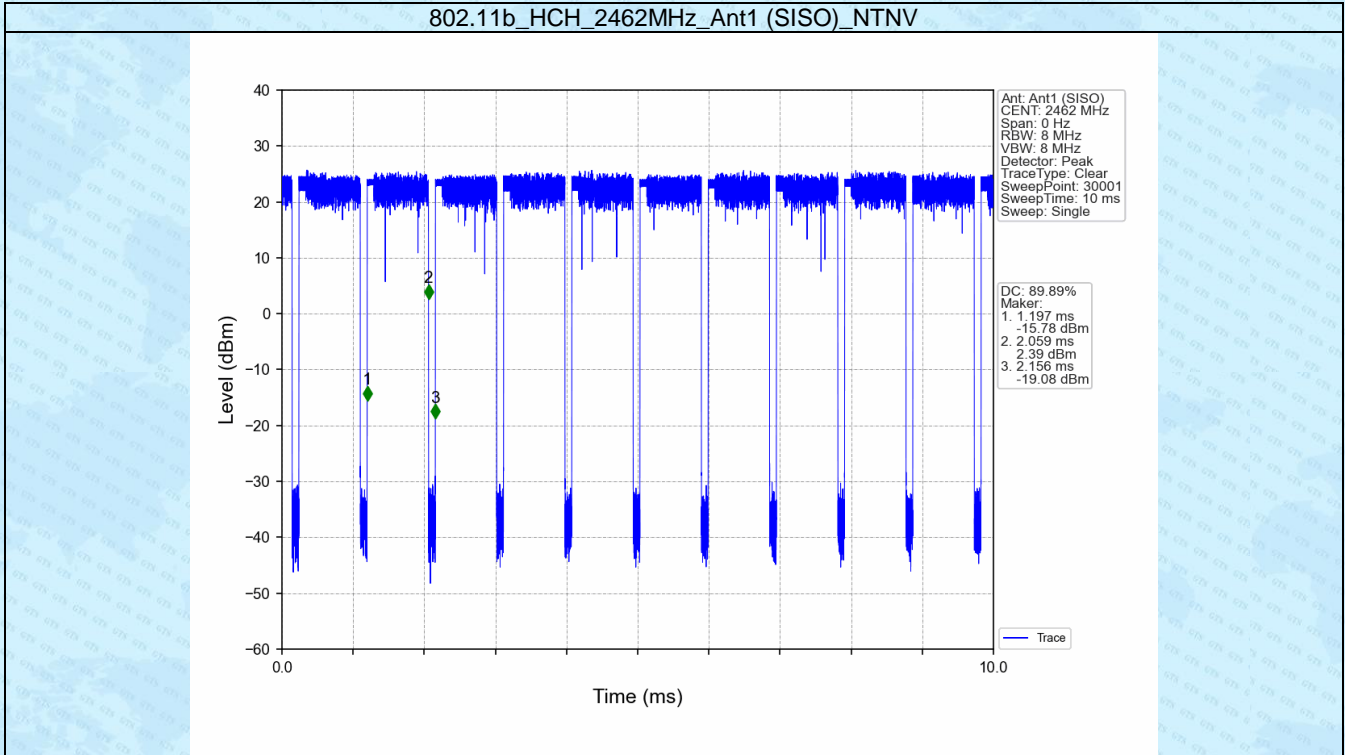
1.1 Ant1

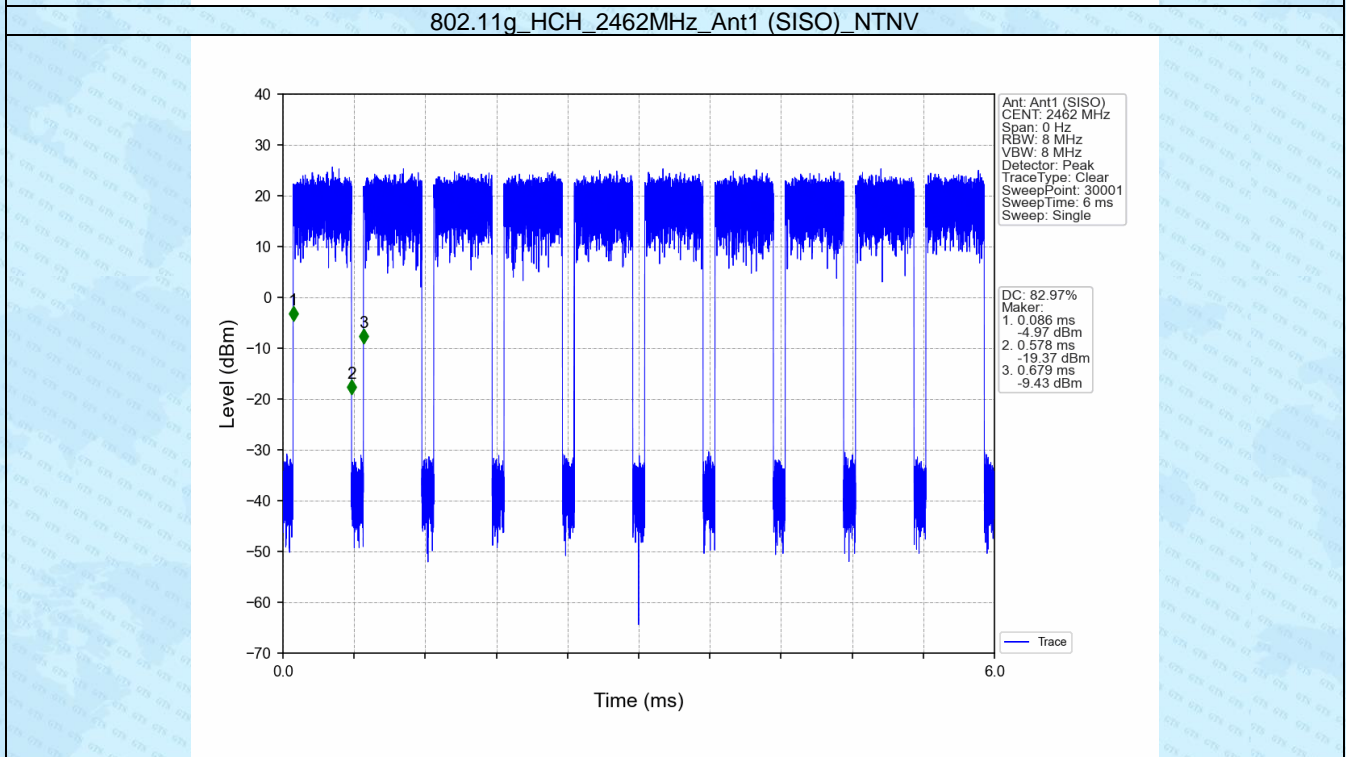
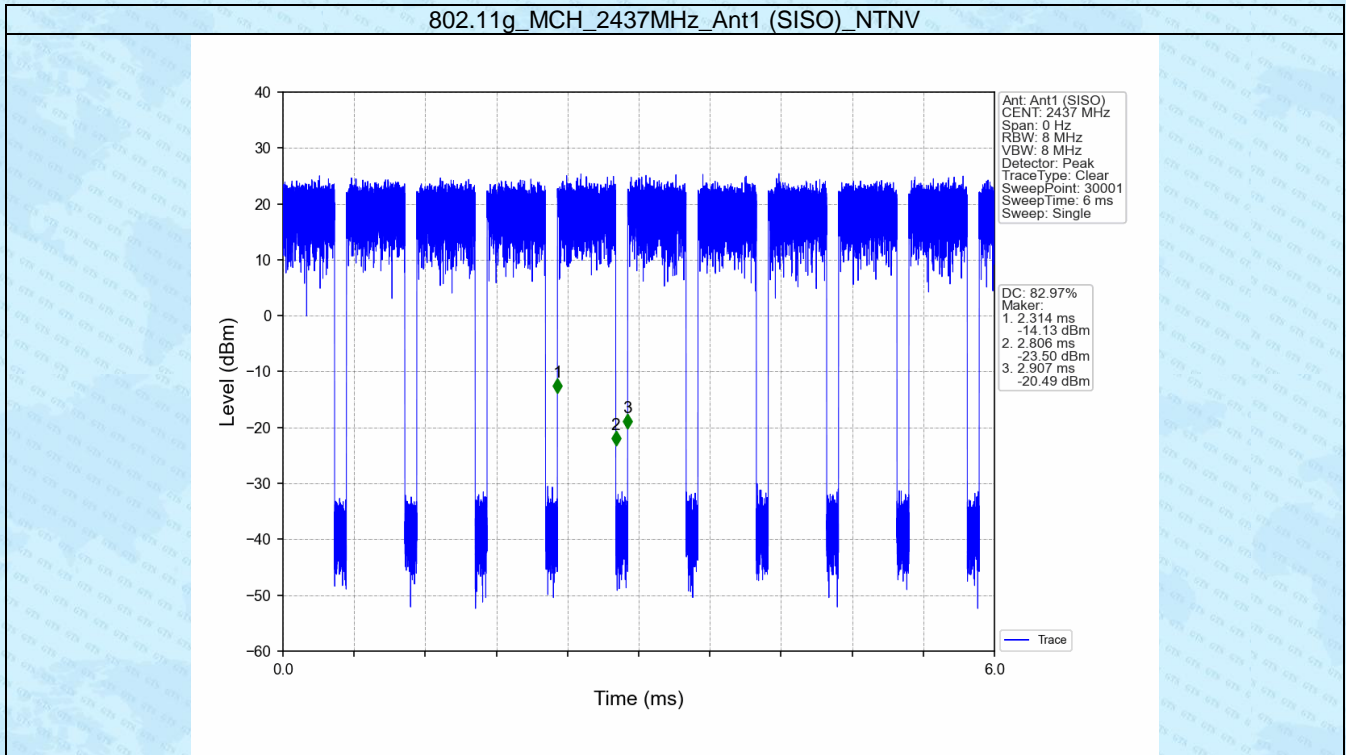
1.1.1 Test Result

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	0.865	0.959	90.20	0.45	0.03
		2437	0.863	0.959	89.99	0.46	0.03
		2462	0.862	0.959	89.89	0.46	0.03
802.11g	SISO	2412	0.492	0.593	82.97	0.81	0.03
		2437	0.492	0.593	82.97	0.81	0.04
		2462	0.492	0.593	82.97	0.81	0.04
802.11n (HT20)	SISO	2412	0.168	0.269	62.45	2.04	0.11
		2437	0.172	0.268	64.18	1.93	0.12
		2462	0.172	0.268	64.18	1.93	0.15

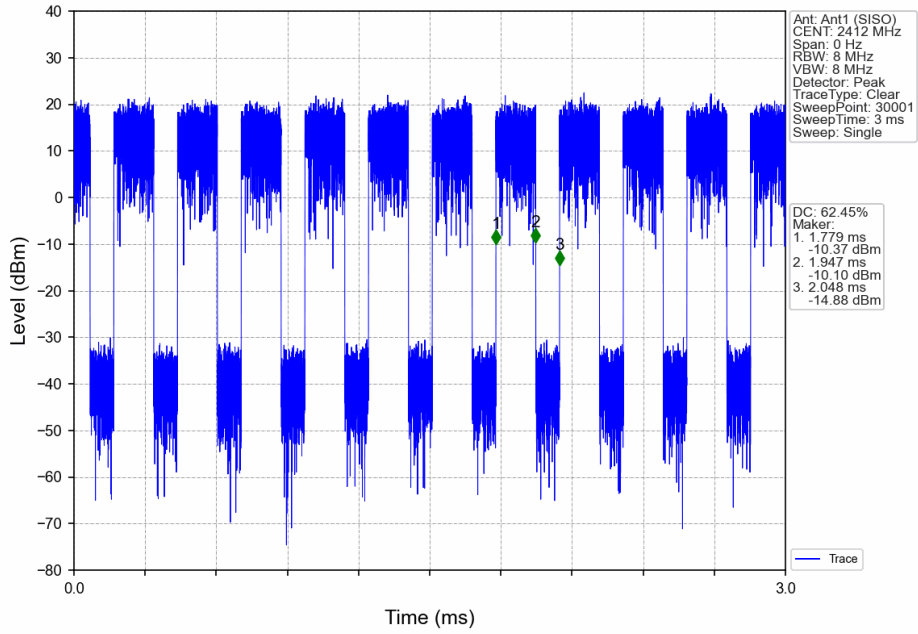
1.1.2 Test Graph



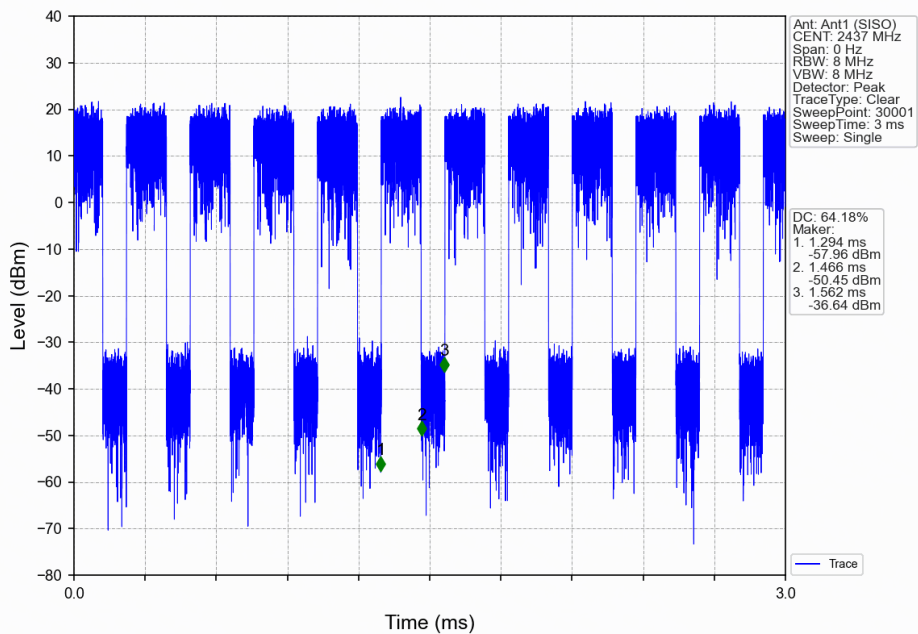


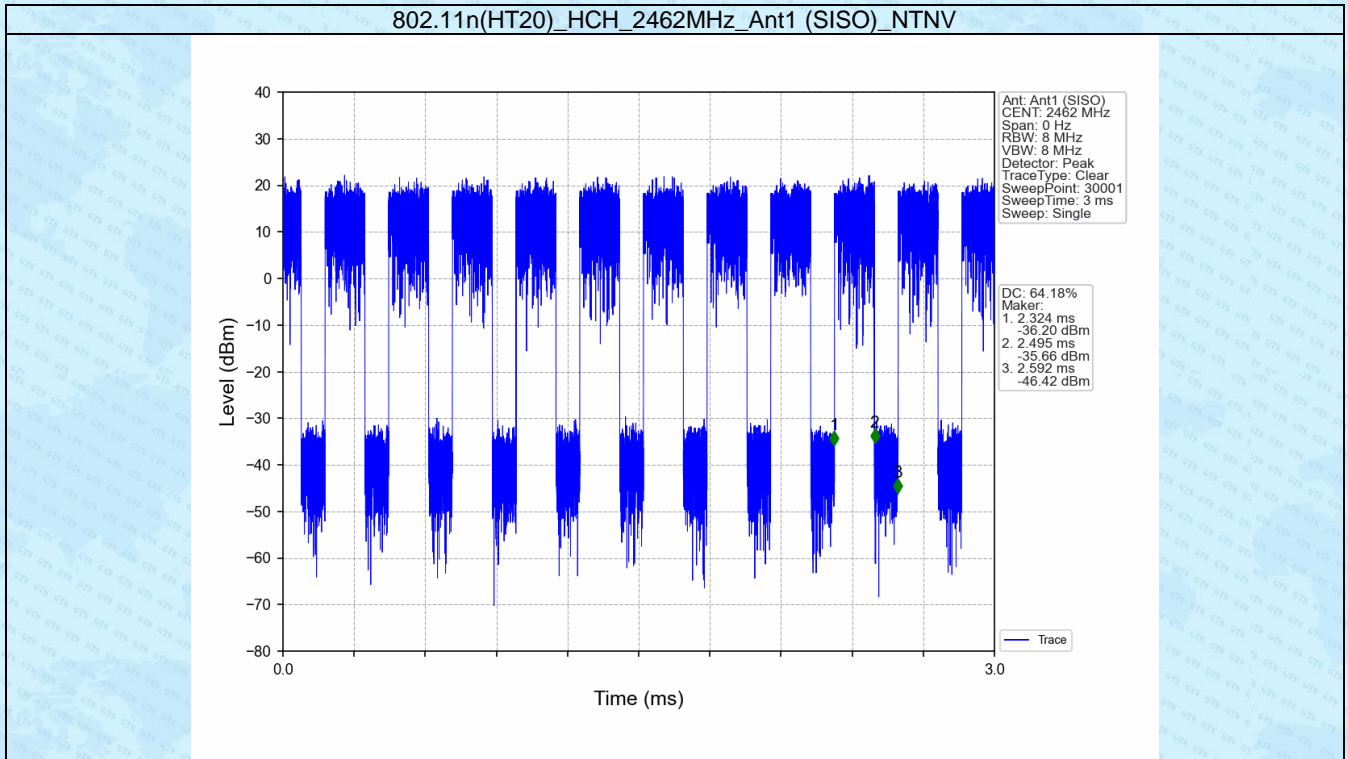


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





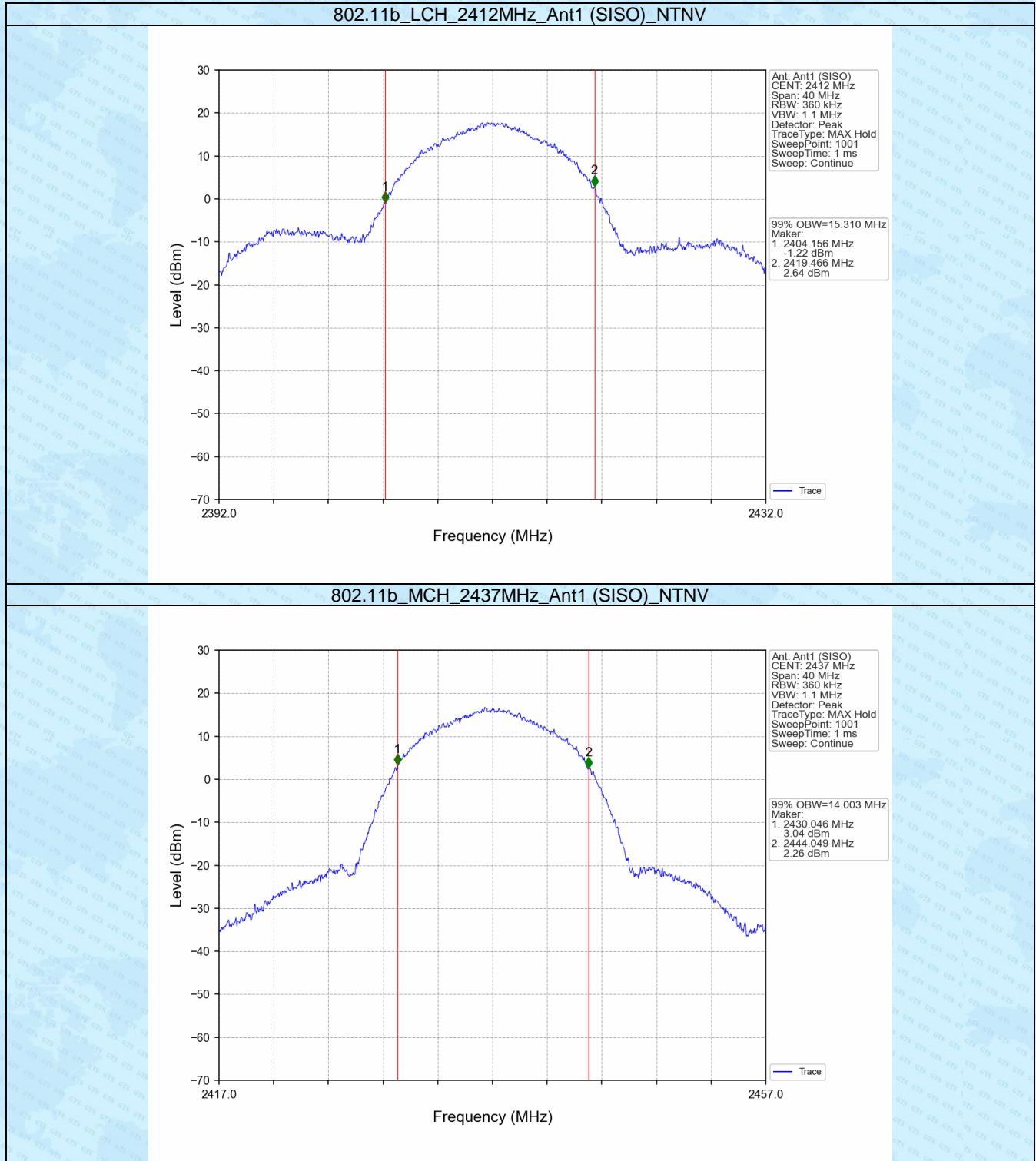
2. Bandwidth

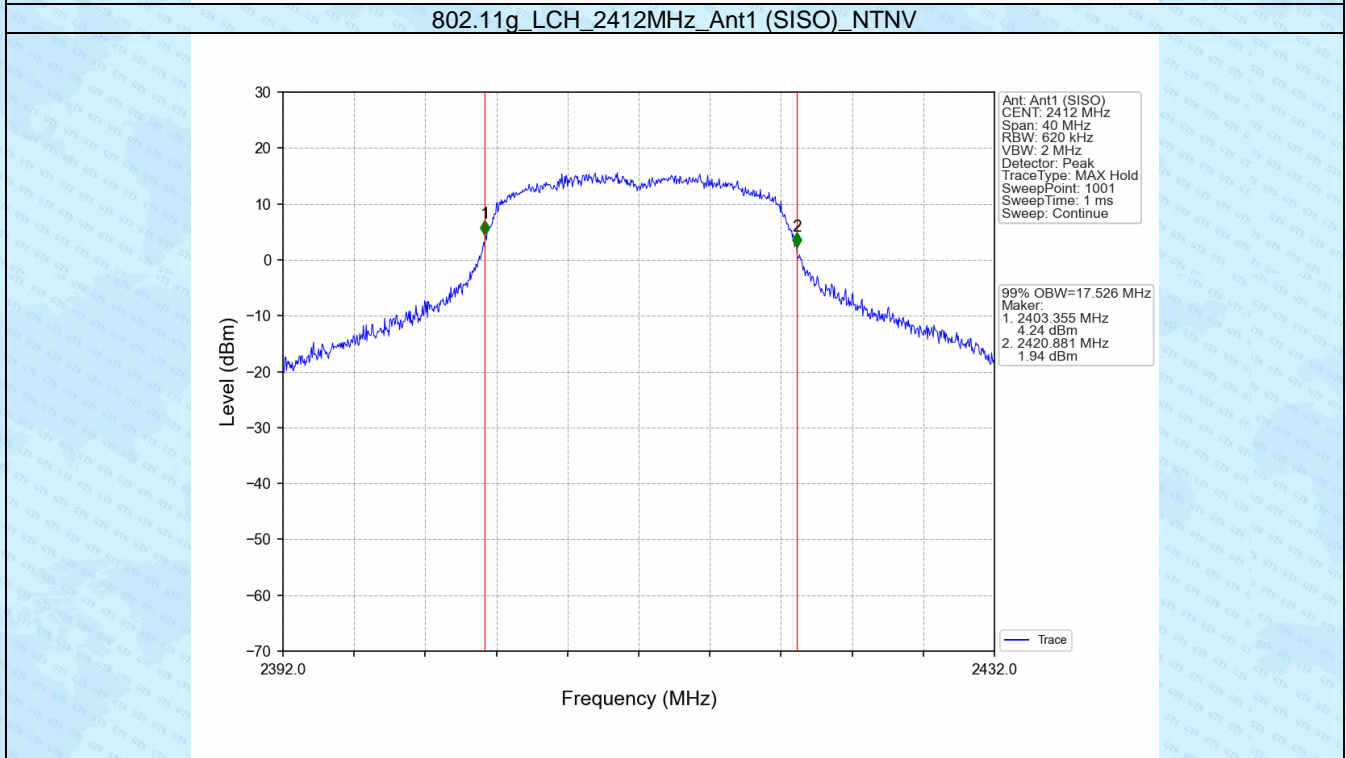
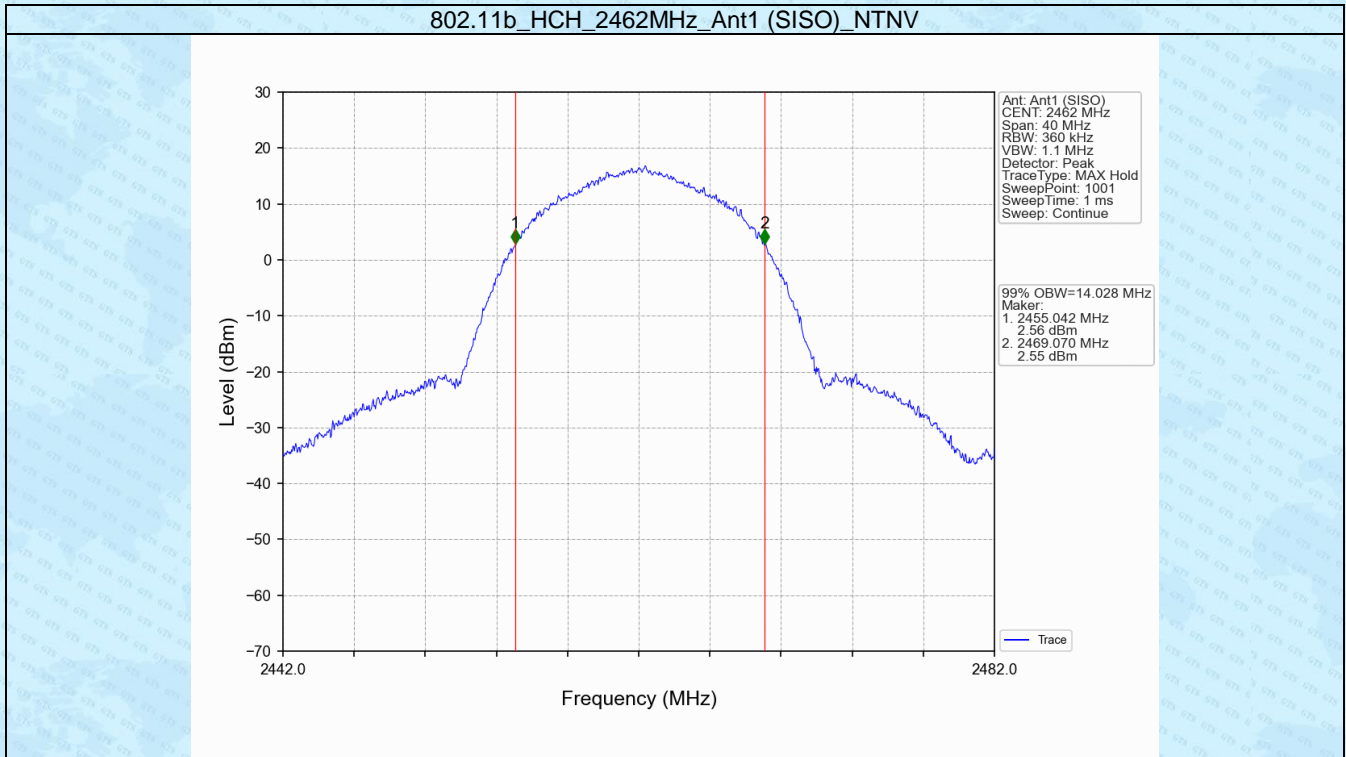
2.1 OBW

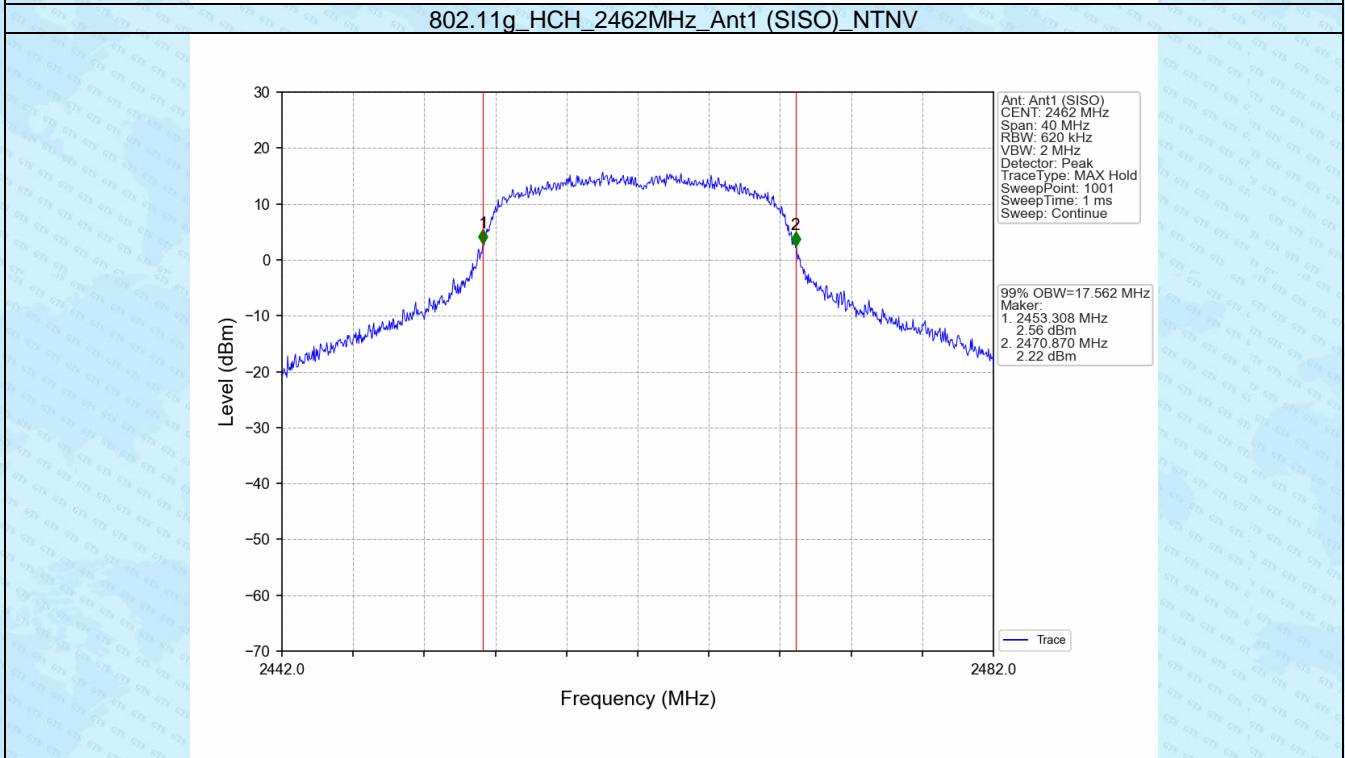
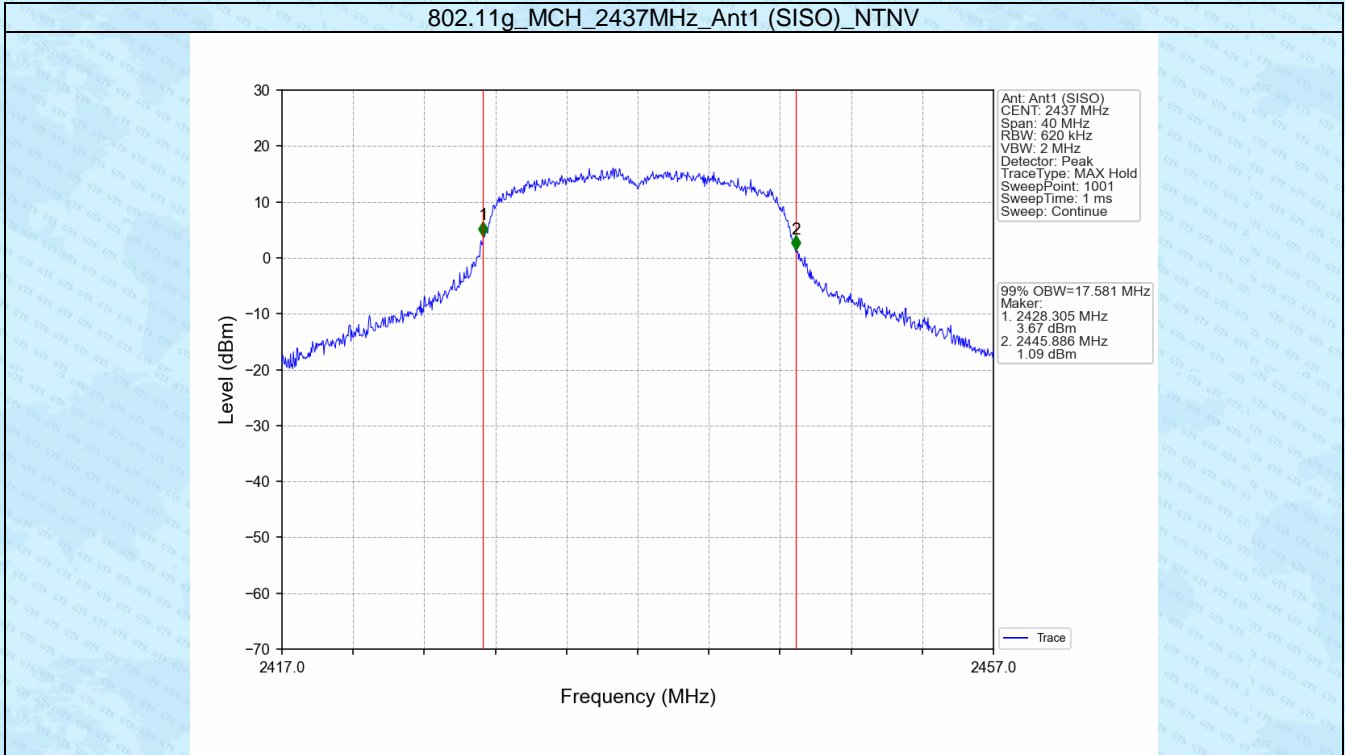
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	15.310	Pass
		2437	1	14.003	Pass
		2462	1	14.028	Pass
802.11g	SISO	2412	1	17.526	Pass
		2437	1	17.581	Pass
		2462	1	17.562	Pass
802.11n (HT20)	SISO	2412	1	17.971	Pass
		2437	1	17.950	Pass
		2462	1	17.942	Pass

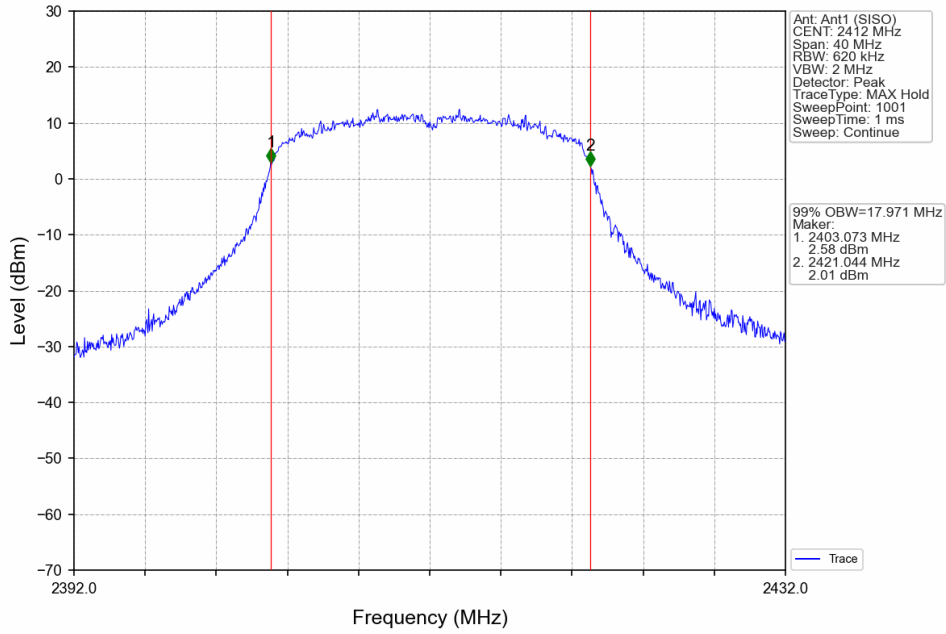
2.1.2 Test Graph



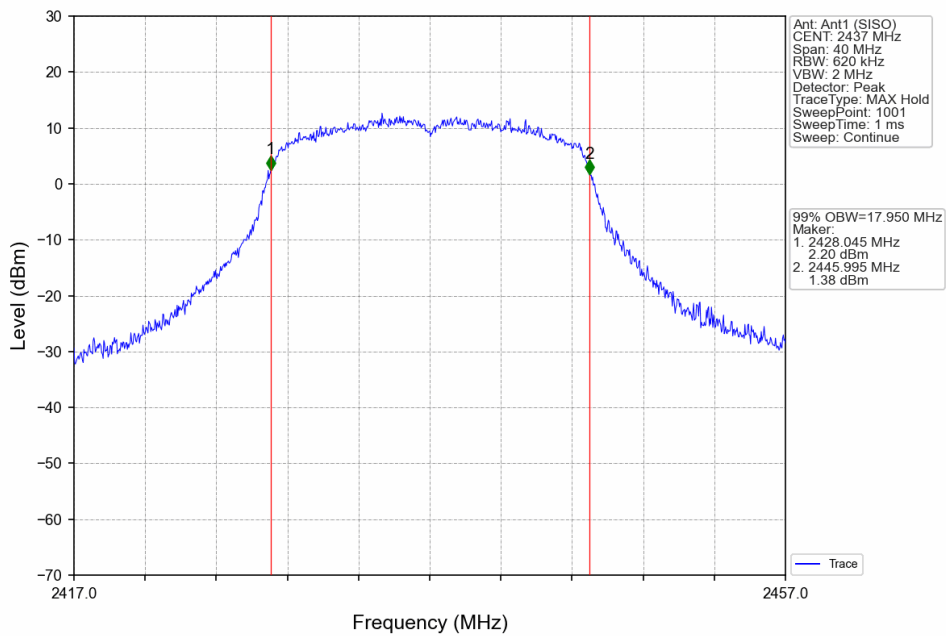


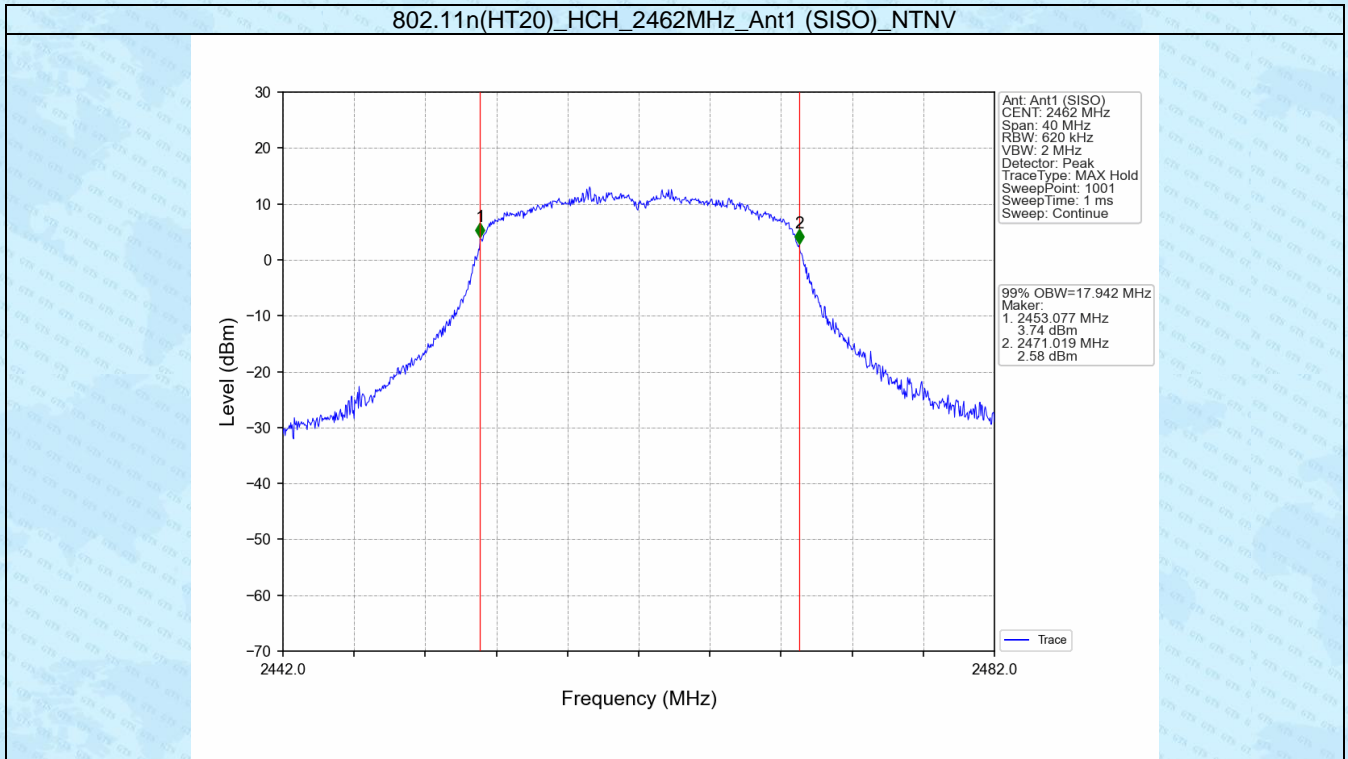


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



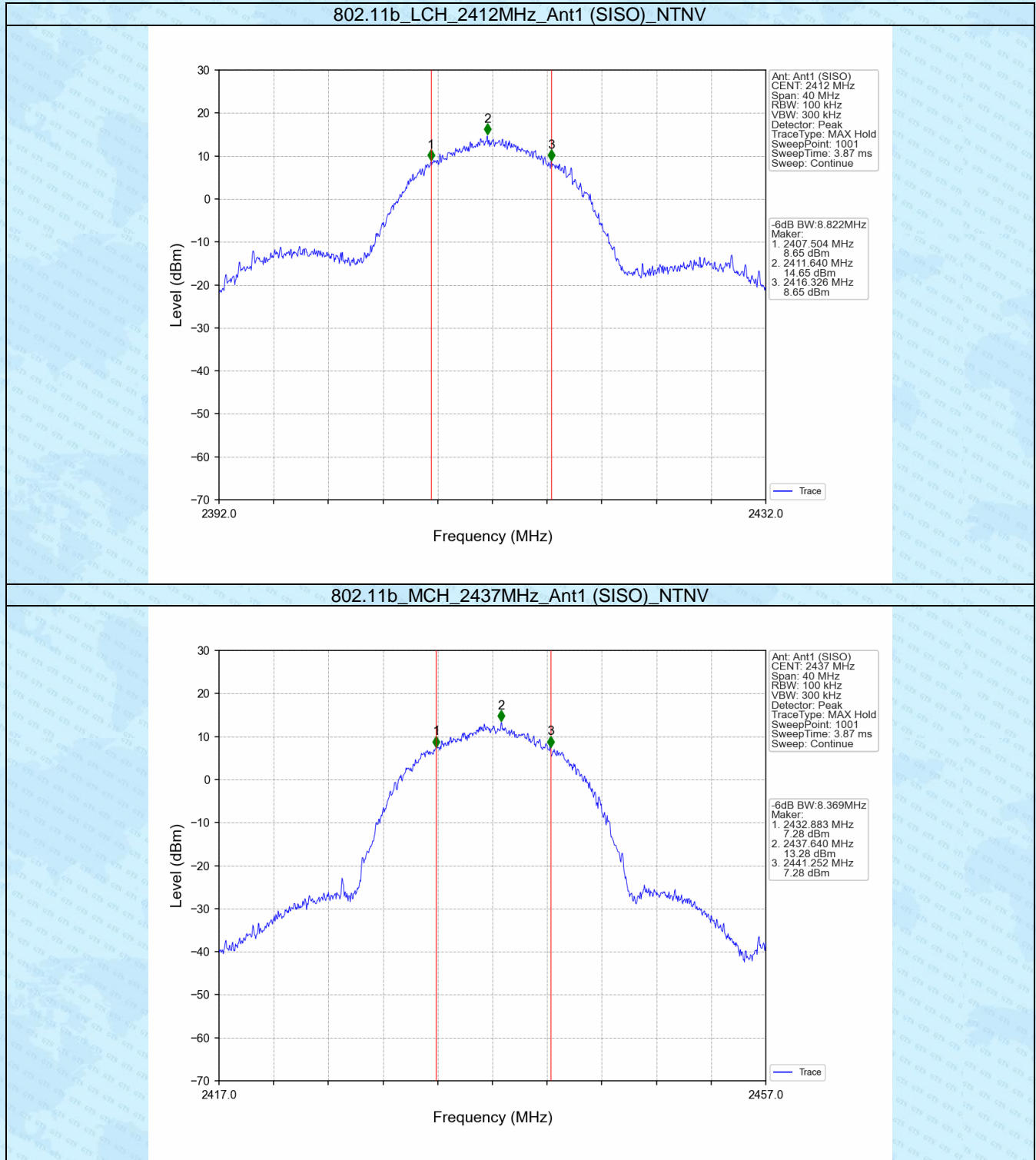


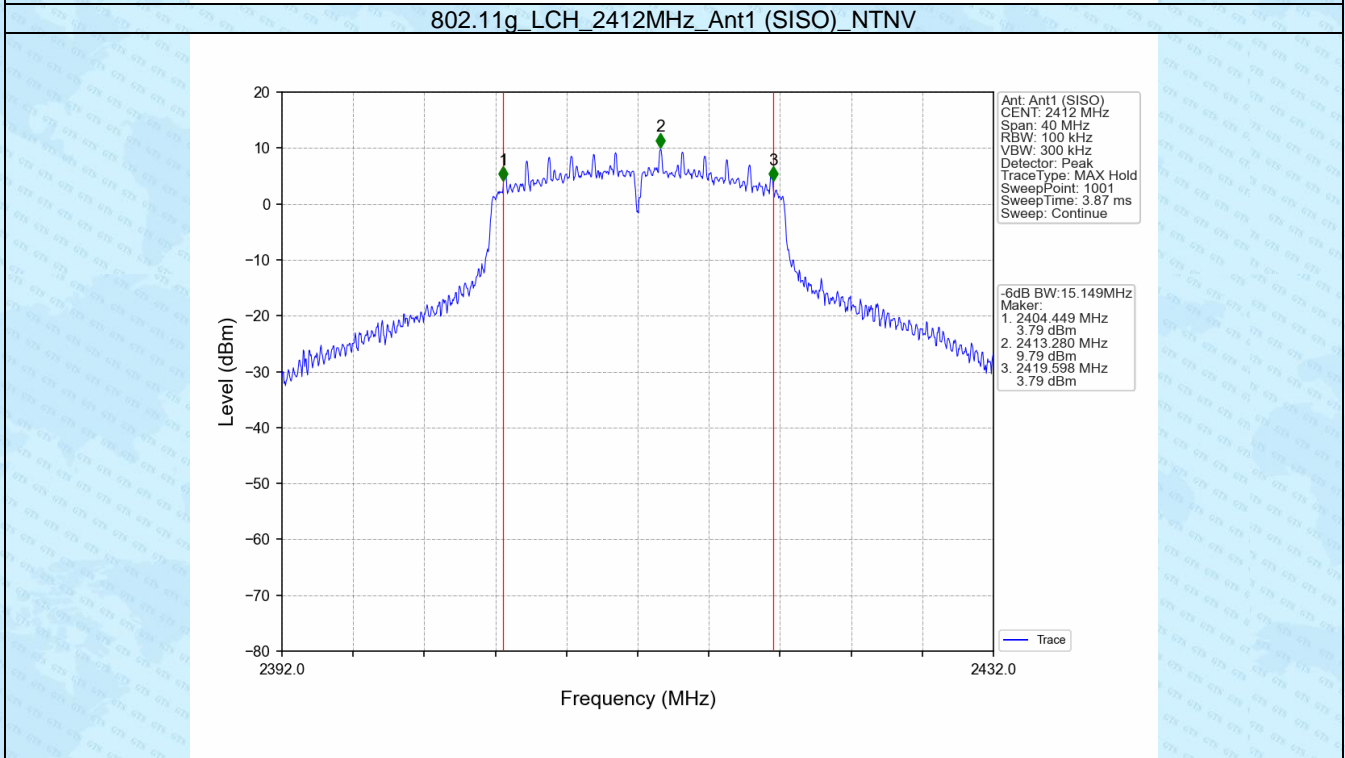
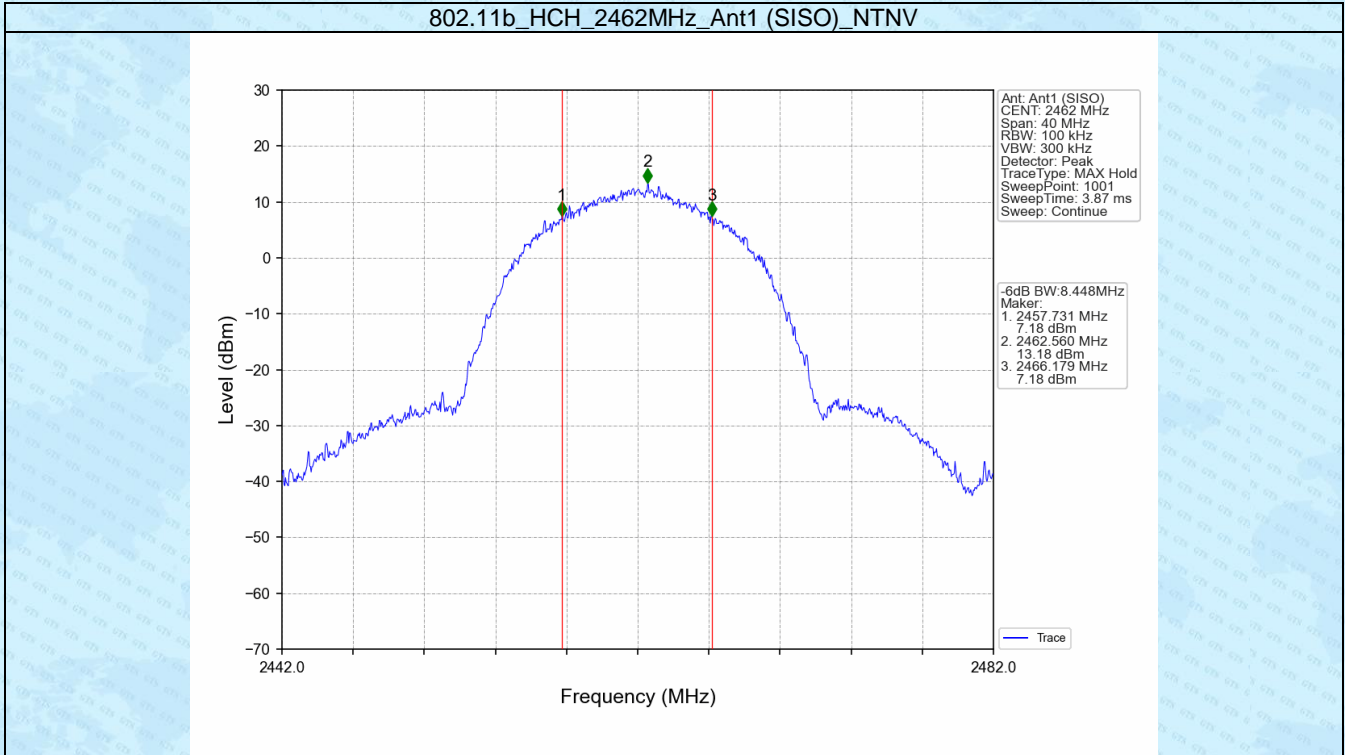
2.2 6dB BW

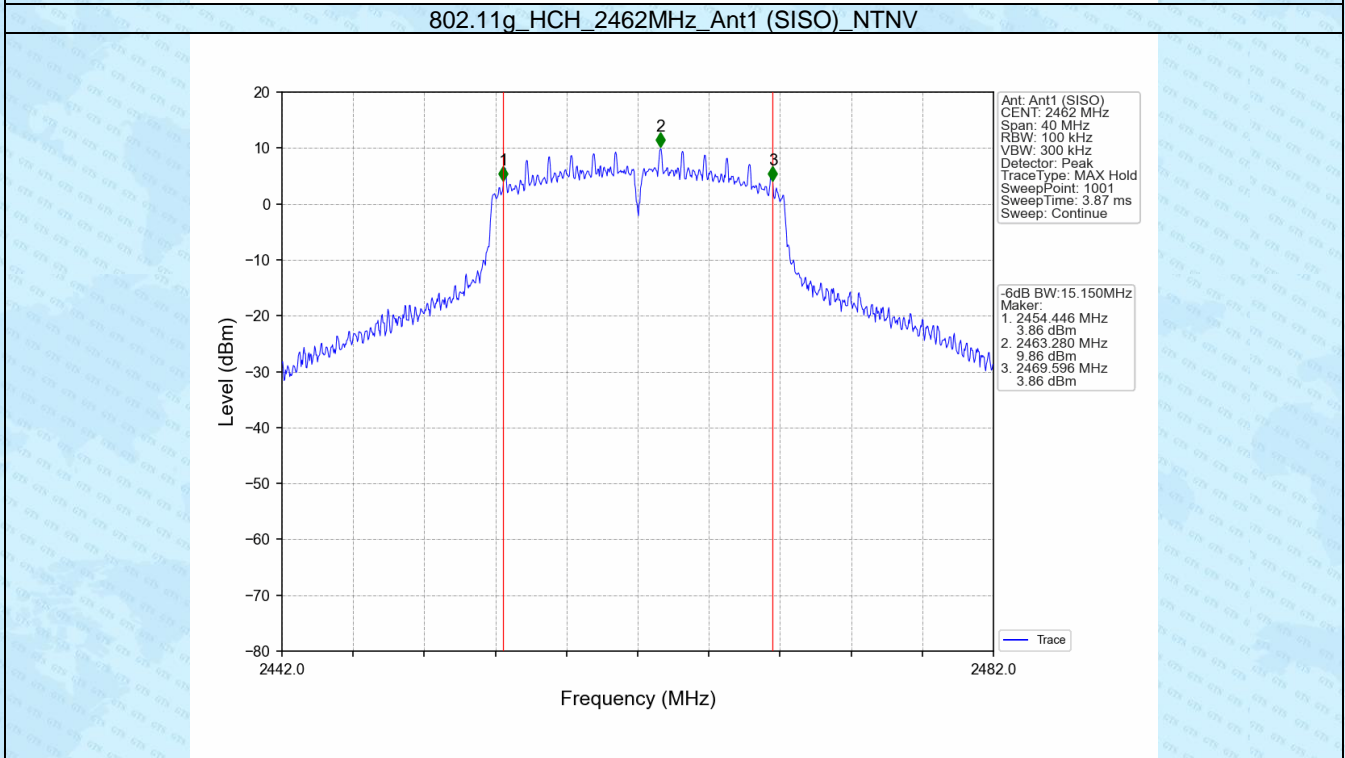
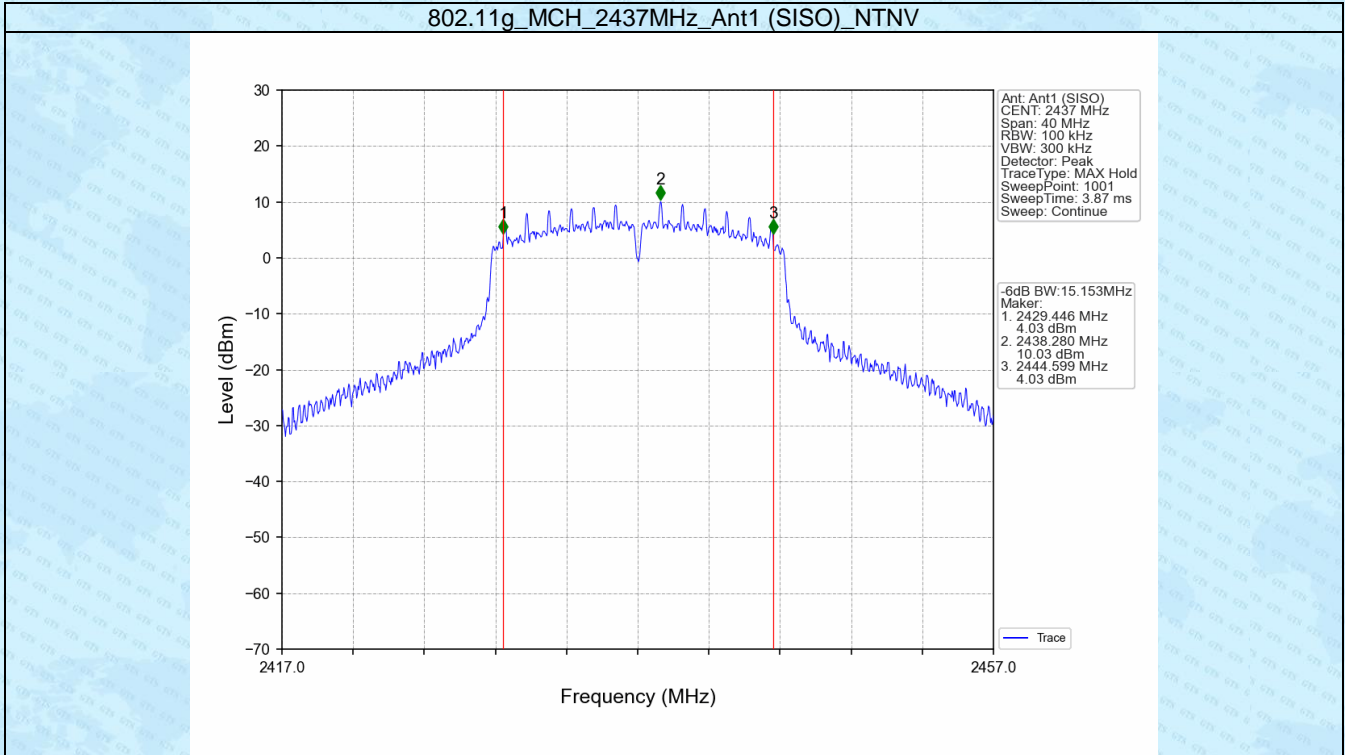
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.822	>=0.5	Pass
		2437	1	8.369	>=0.5	Pass
		2462	1	8.448	>=0.5	Pass
802.11g	SISO	2412	1	15.149	>=0.5	Pass
		2437	1	15.153	>=0.5	Pass
		2462	1	15.150	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	15.445	>=0.5	Pass
		2437	1	15.714	>=0.5	Pass
		2462	1	15.417	>=0.5	Pass

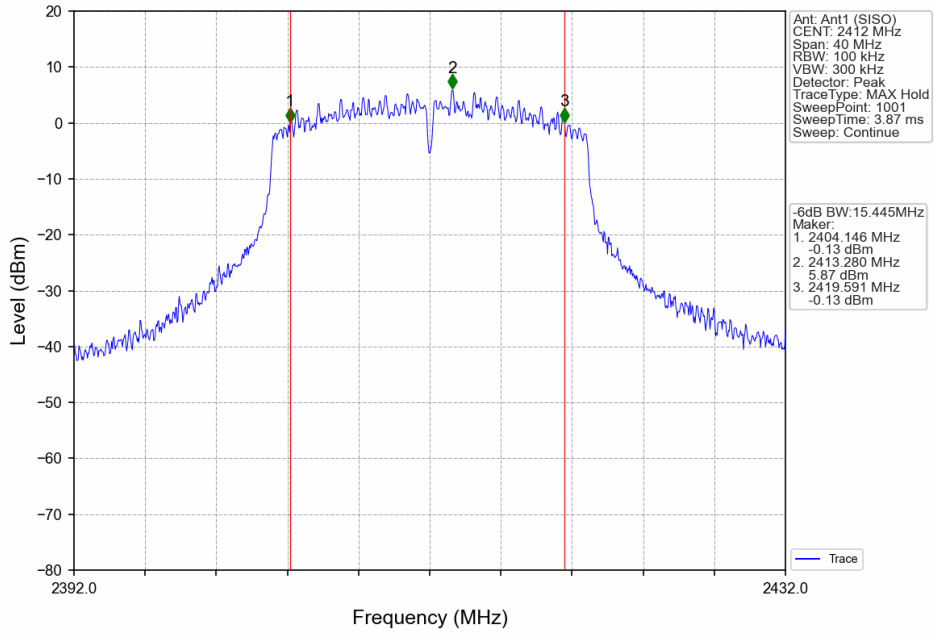
2.2.2 Test Graph



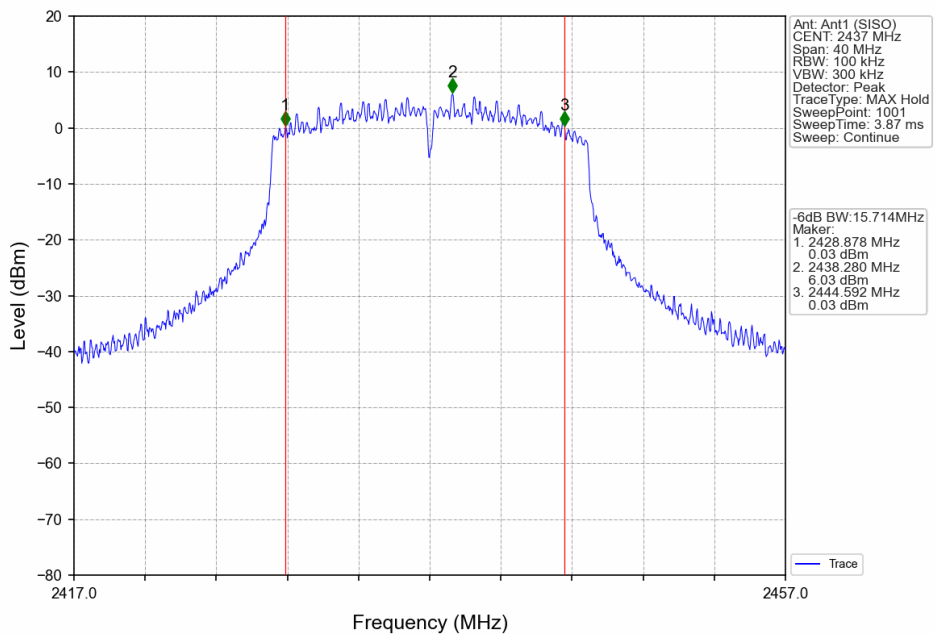


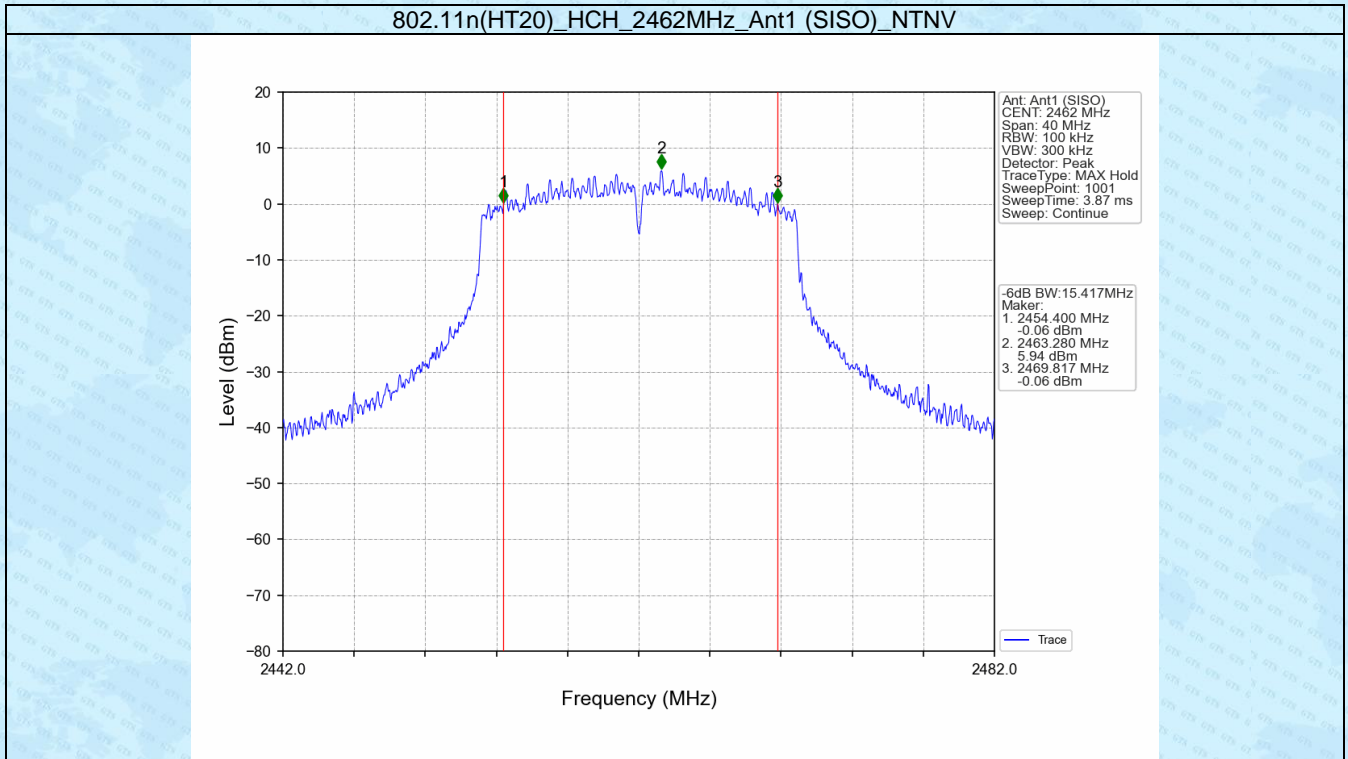


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





3. Maximum 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	28.16	<=30	Pass
		2437	26.73	<=30	Pass
		2462	26.63	<=30	Pass
802.11g	SISO	2412	26.95	<=30	Pass
		2437	27.01	<=30	Pass
		2462	27.02	<=30	Pass
802.11n (HT20)	SISO	2412	23.84	<=30	Pass
		2437	23.84	<=30	Pass
		2462	23.71	<=30	Pass

Note1: Antenna Gain: Ant1: -1.71dBi;

Mode	TX Type	Frequency (MHz)	EIRP (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	26.45	<=36	Pass
		2437	25.02	<=36	Pass
		2462	24.92	<=36	Pass
802.11g	SISO	2412	25.24	<=36	Pass
		2437	25.30	<=36	Pass
		2462	25.31	<=36	Pass
802.11n (HT20)	SISO	2412	22.13	<=36	Pass
		2437	22.13	<=36	Pass
		2462	22.00	<=36	Pass

Note1: Antenna Gain: Ant1: -1.71dBi;

4. Maximum Power Spectral Density

4.1 PSD

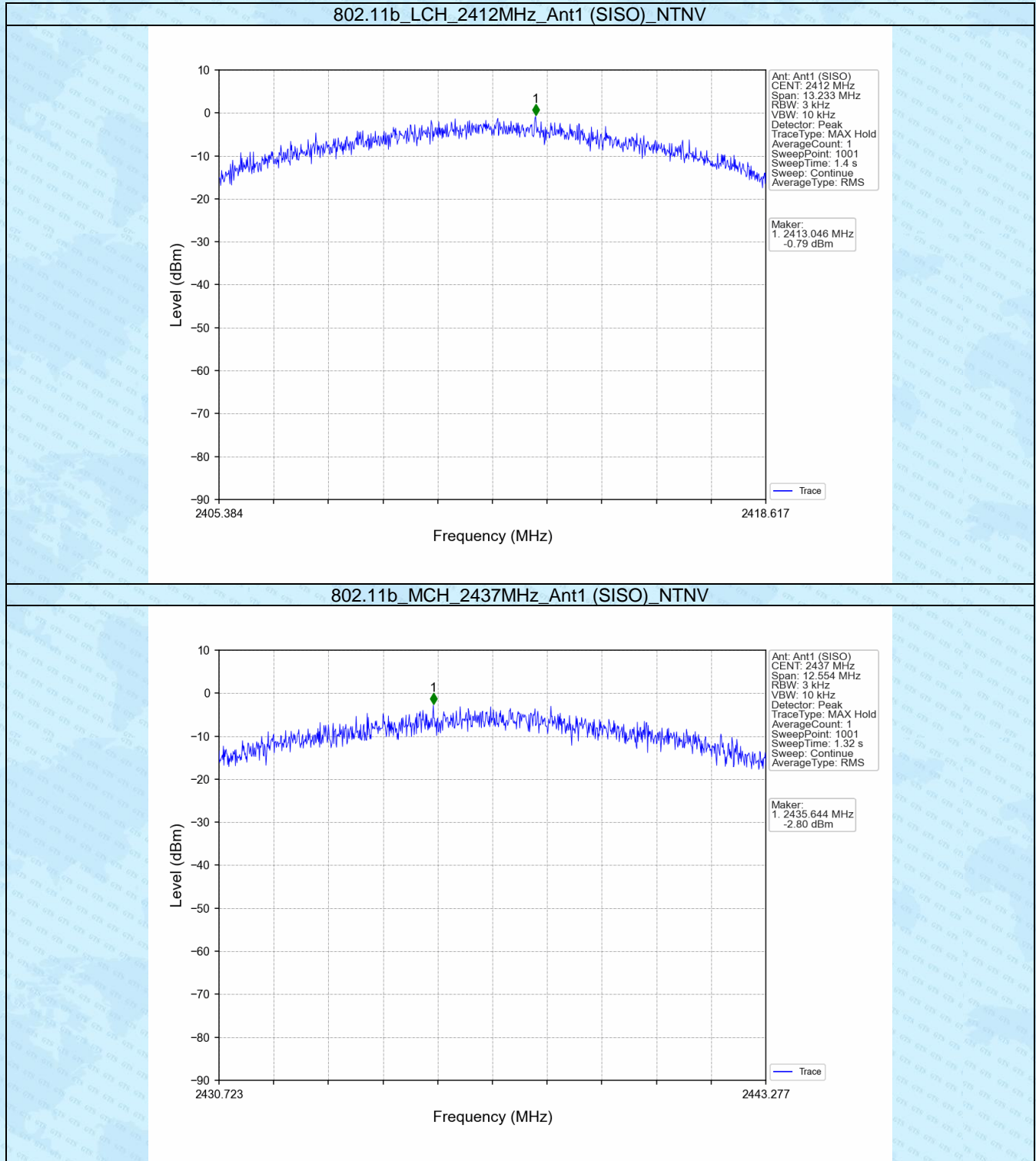
4.1.1 Test Result

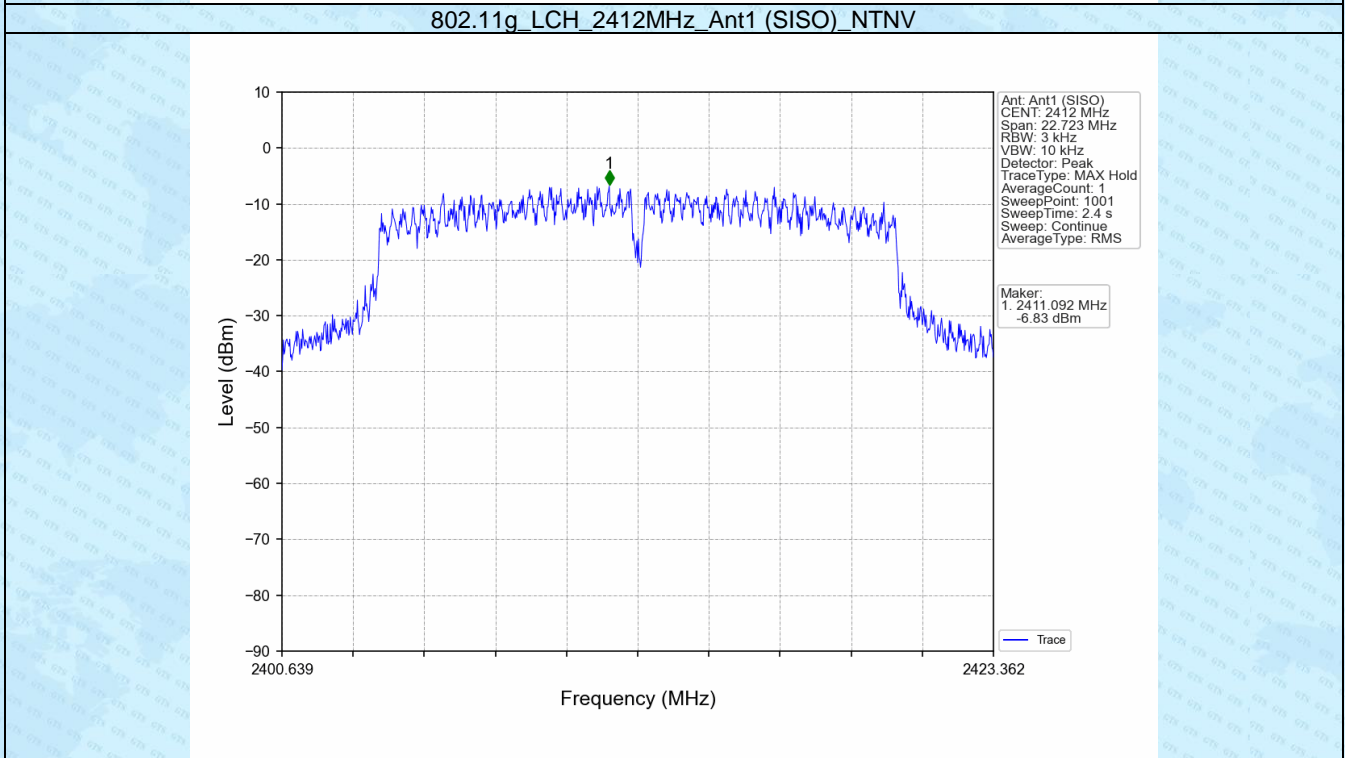
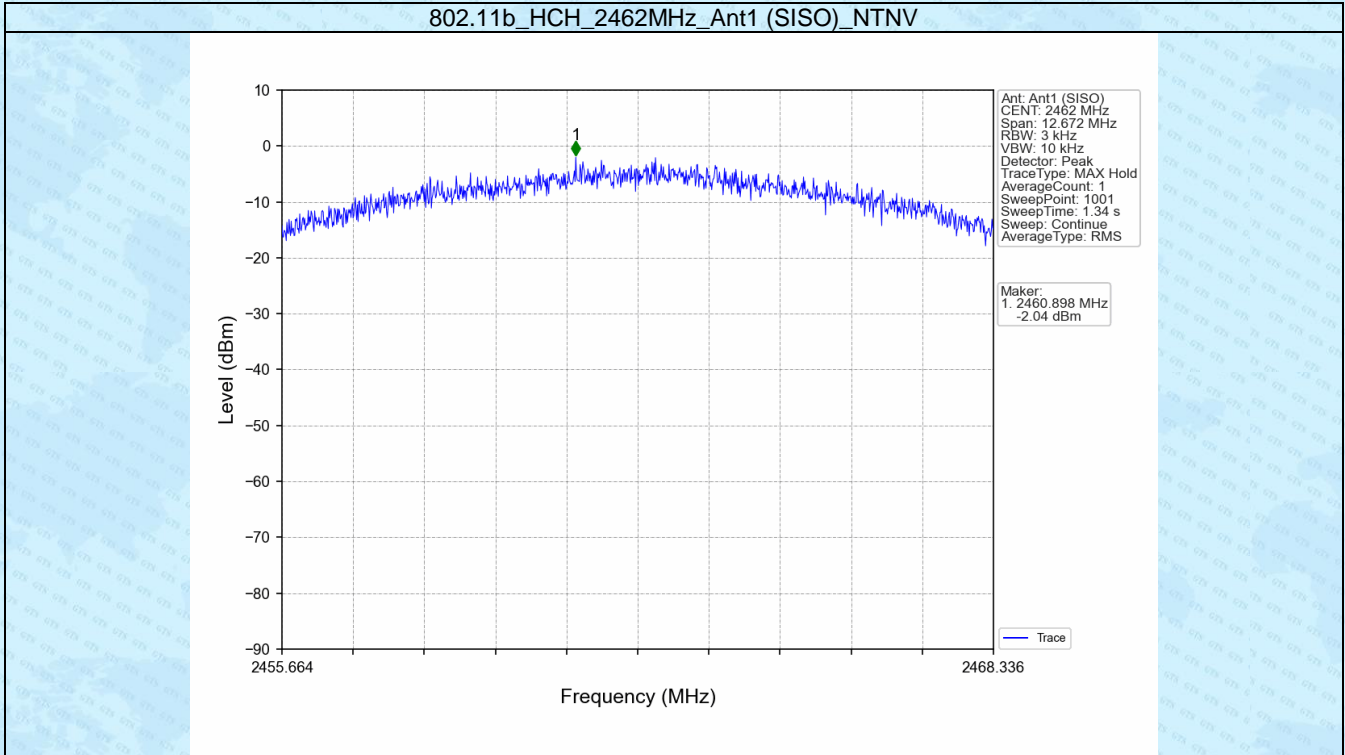
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-0.79	<=8	Pass
		2437	-2.80	<=8	Pass
		2462	-2.04	<=8	Pass
802.11g	SISO	2412	-6.83	<=8	Pass
		2437	-4.25	<=8	Pass
		2462	-5.27	<=8	Pass
802.11n (HT20)	SISO	2412	-9.98	<=8	Pass
		2437	-9.61	<=8	Pass

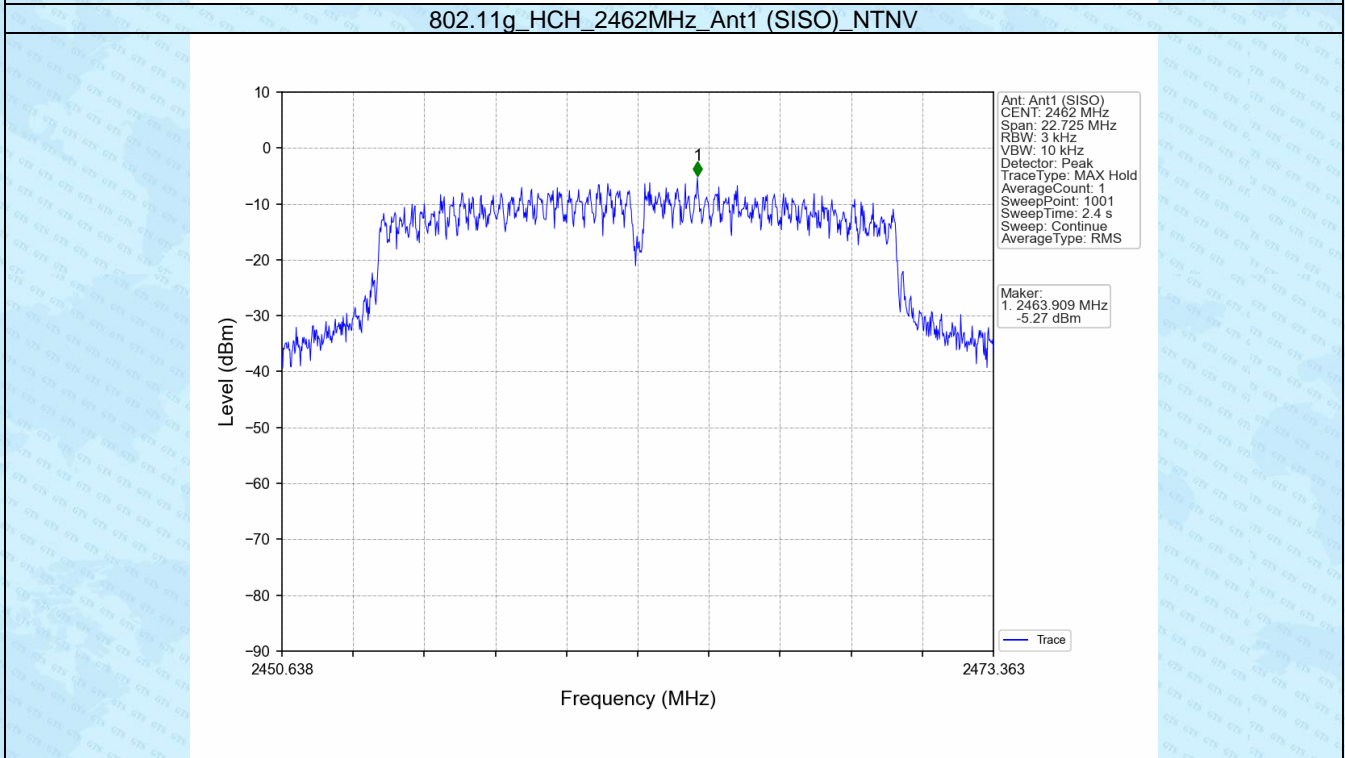
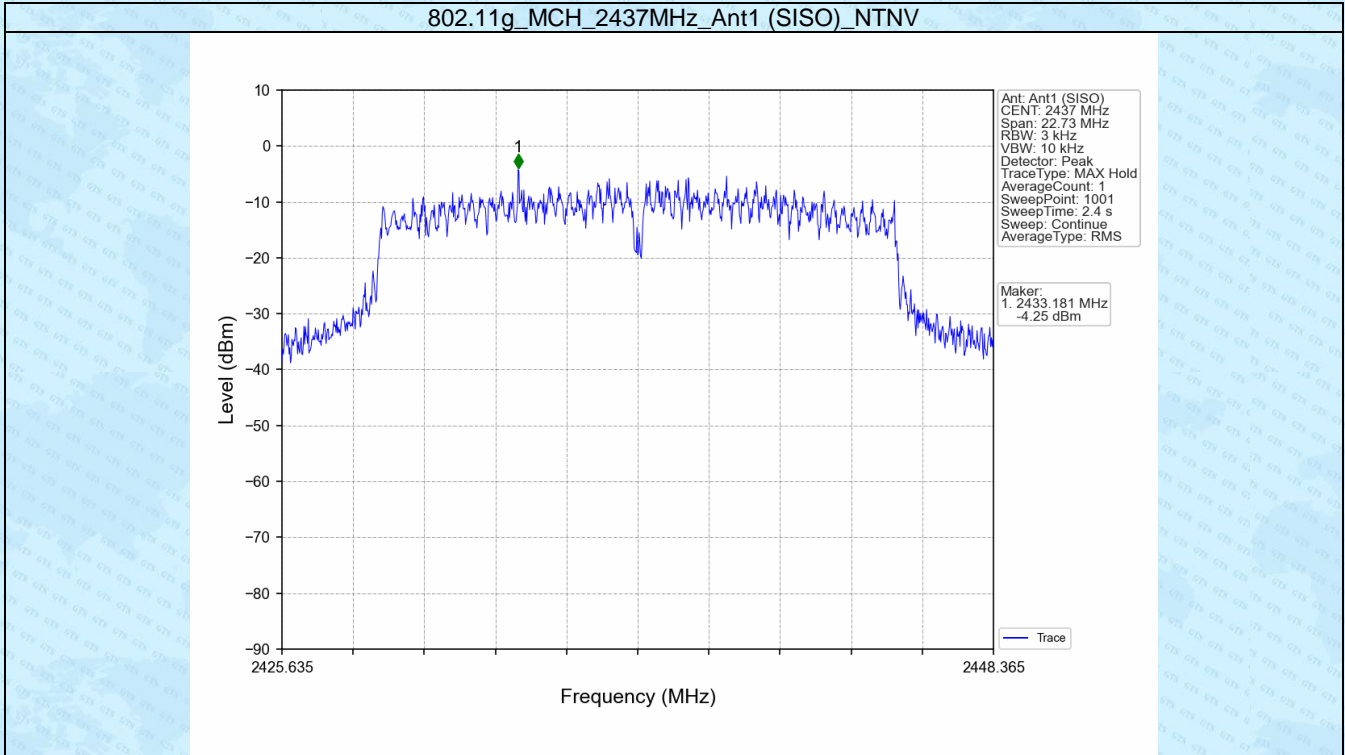
		2462	-9.75	<=8	Pass
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Note1: Antenna Gain: Ant1: -1.71dBi;

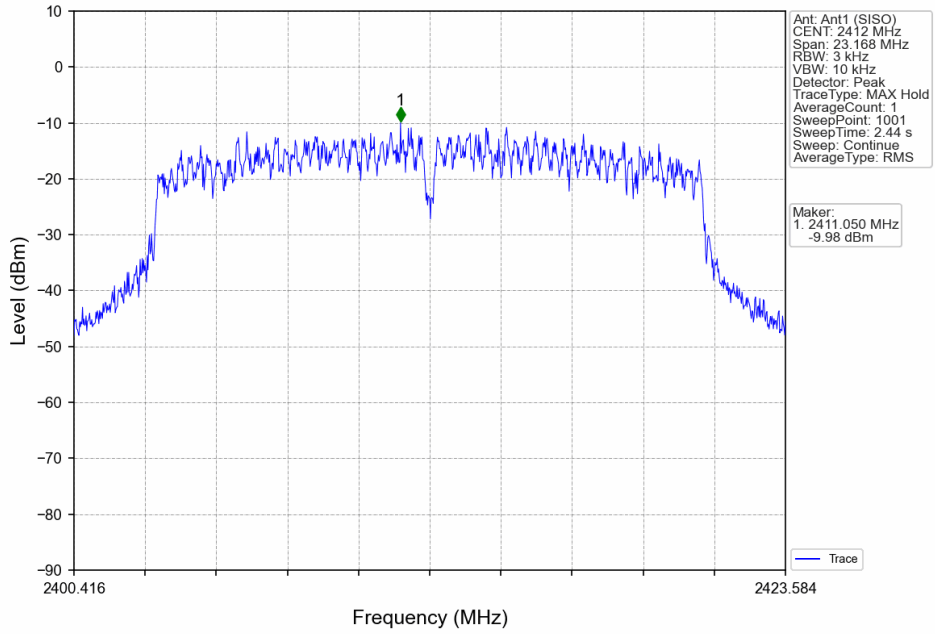
4.1.2 Test Graph



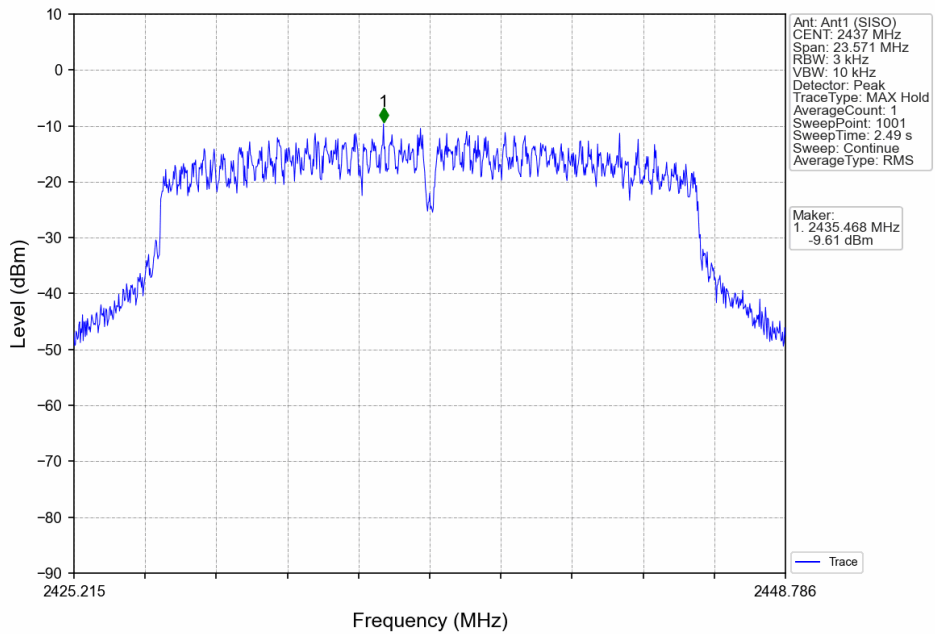


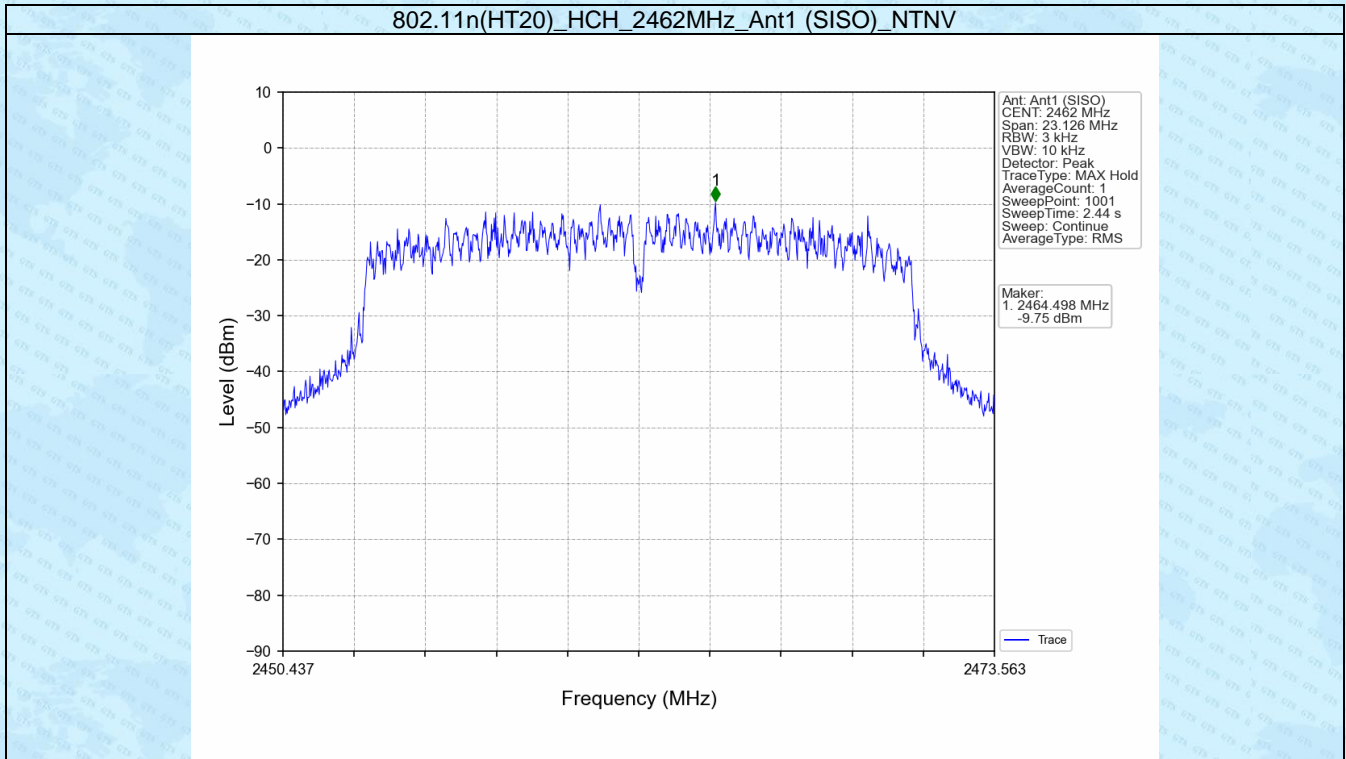


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





5. Unwanted Emissions In Non-restricted Frequency Bands

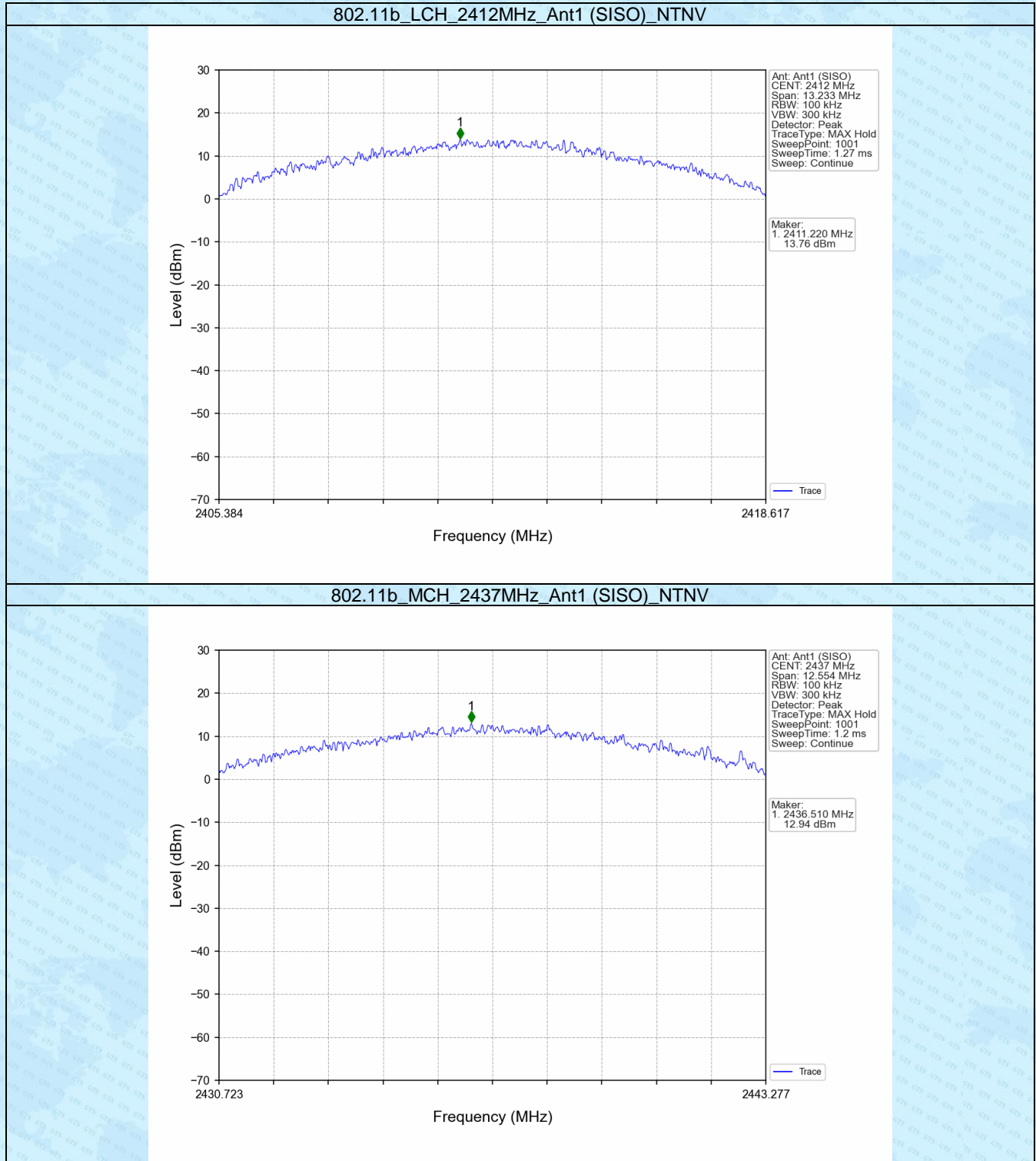
5.1 Ref

5.1.1 Test Result

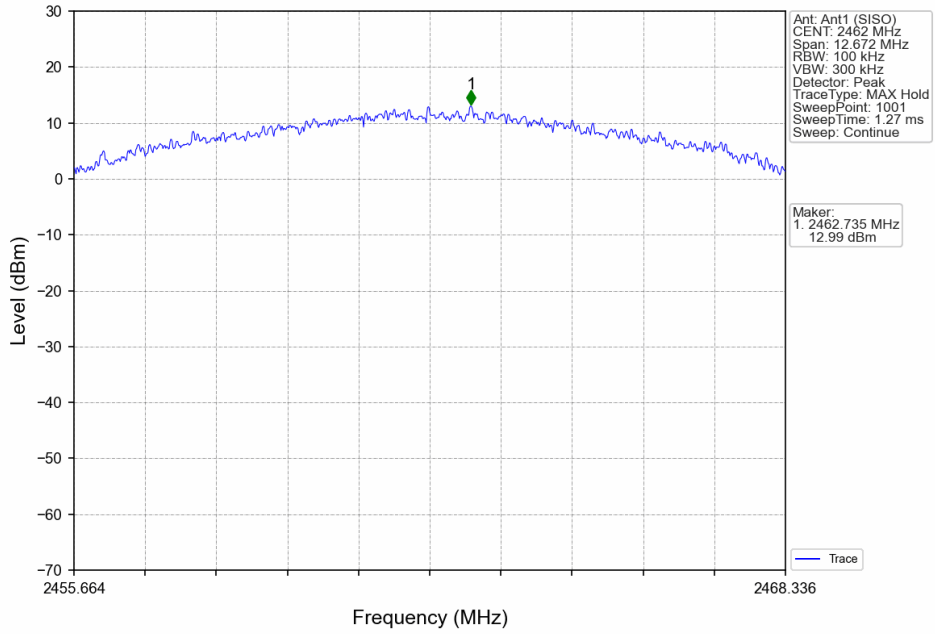
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	13.76
		2437	1	12.94
		2462	1	12.99
802.11g	SISO	2412	1	9.80
		2437	1	10.01
		2462	1	9.88
802.11n (HT20)	SISO	2412	1	5.94
		2437	1	6.07
		2462	1	5.95

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.

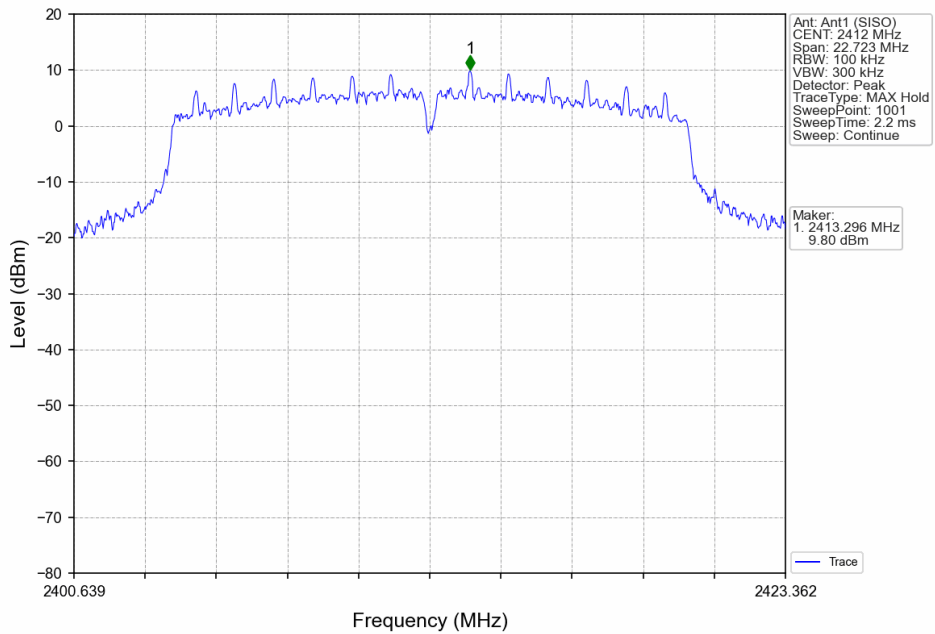
5.1.2 Test Graph

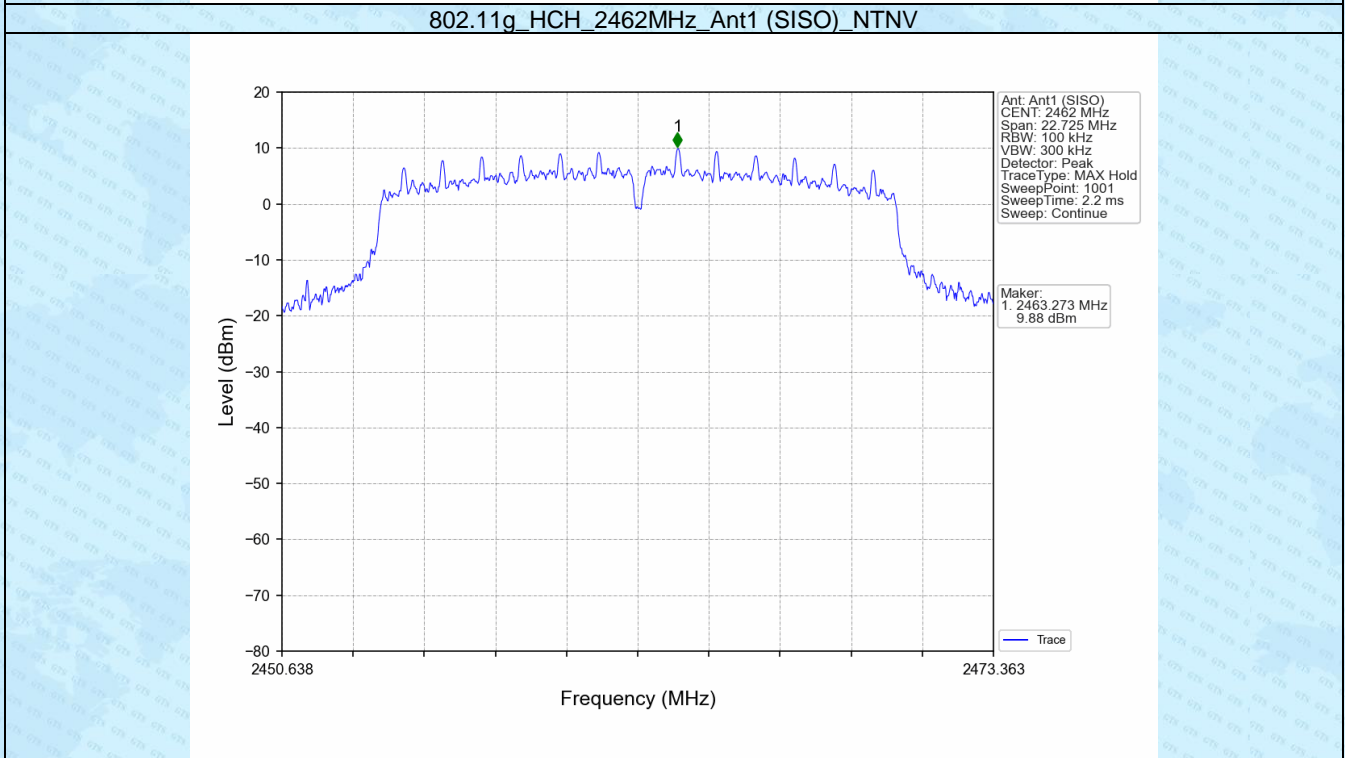
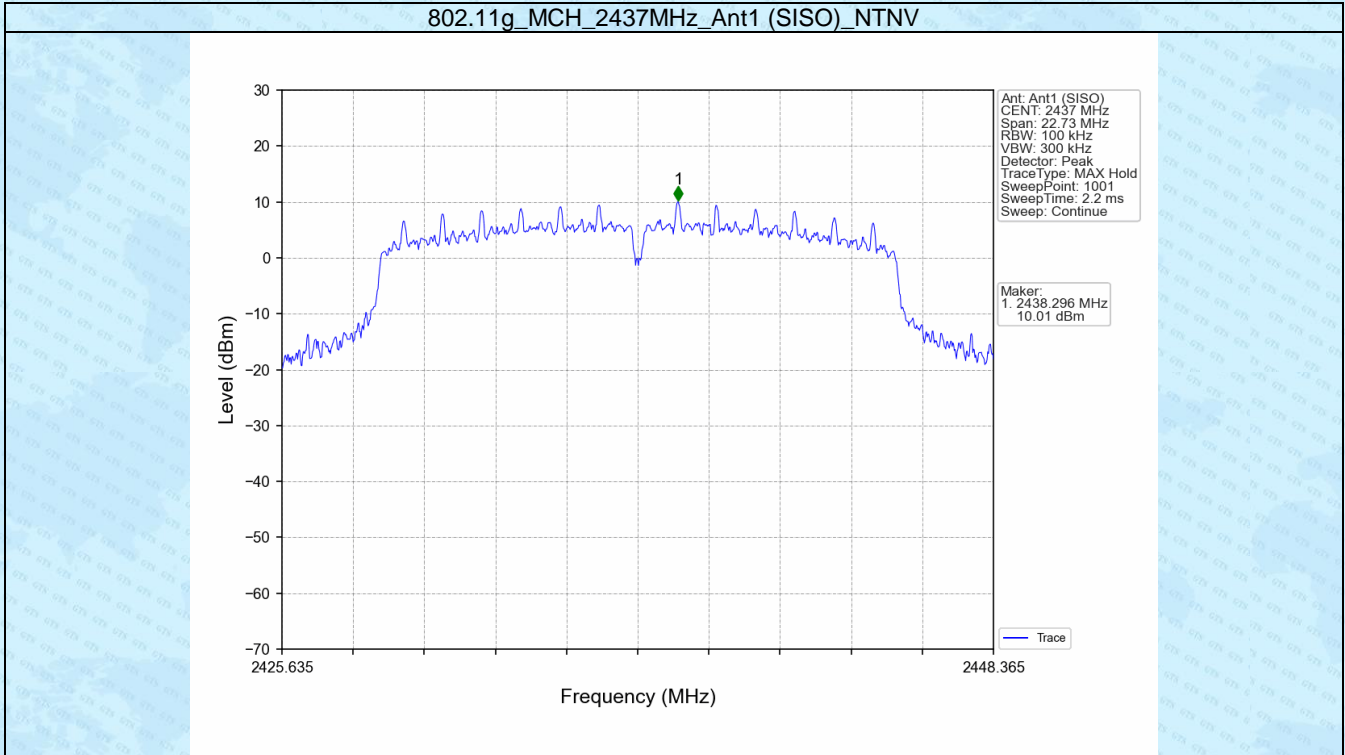


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

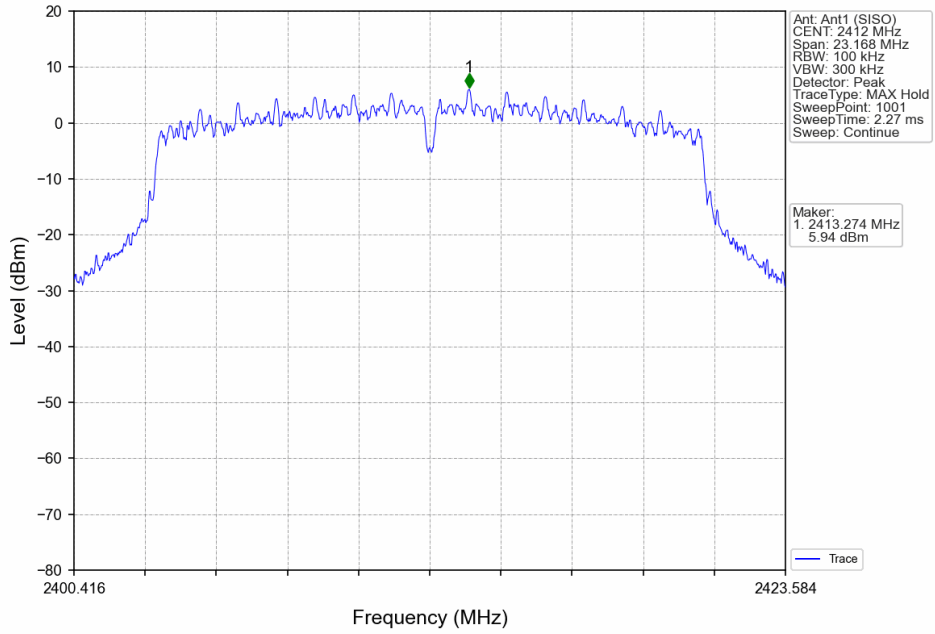


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

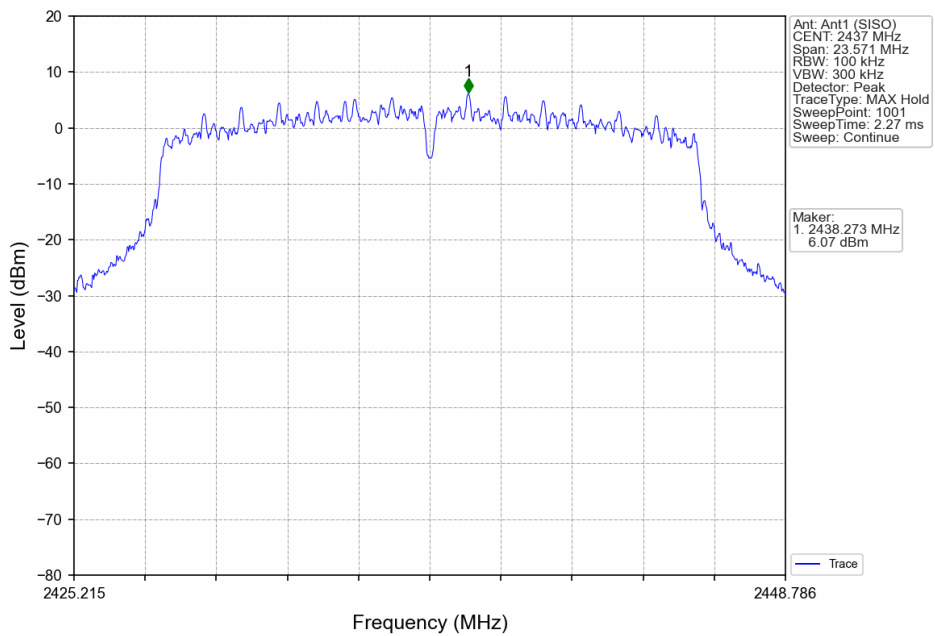


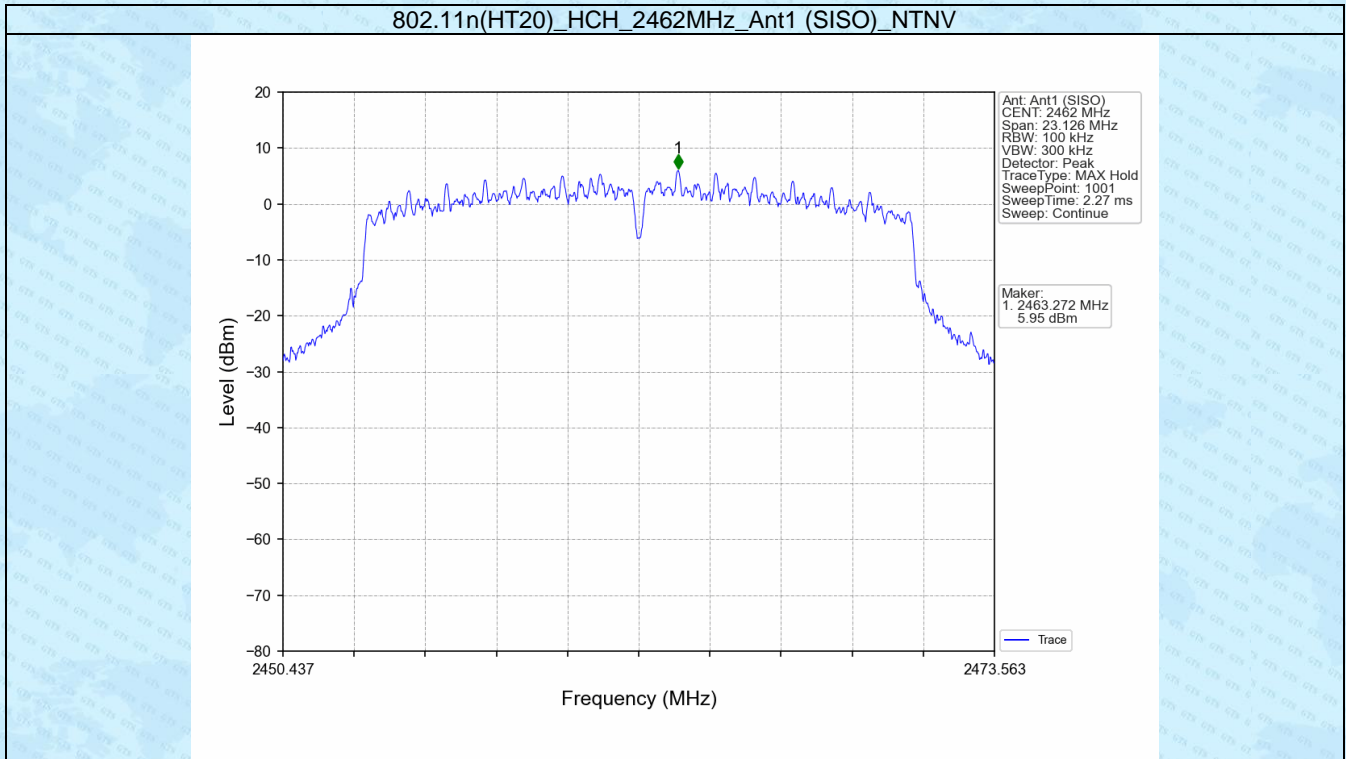


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





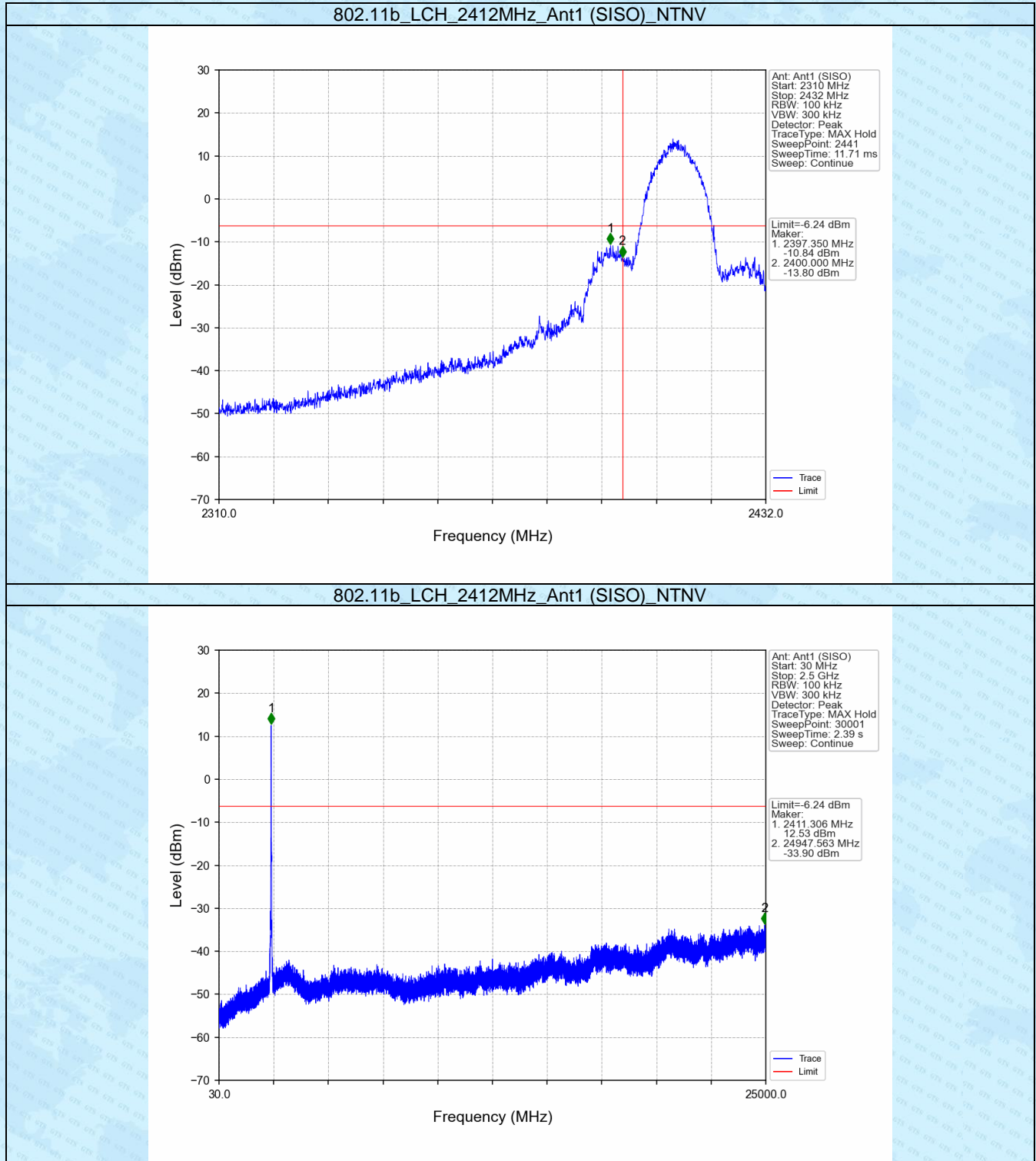
5.2 CSE

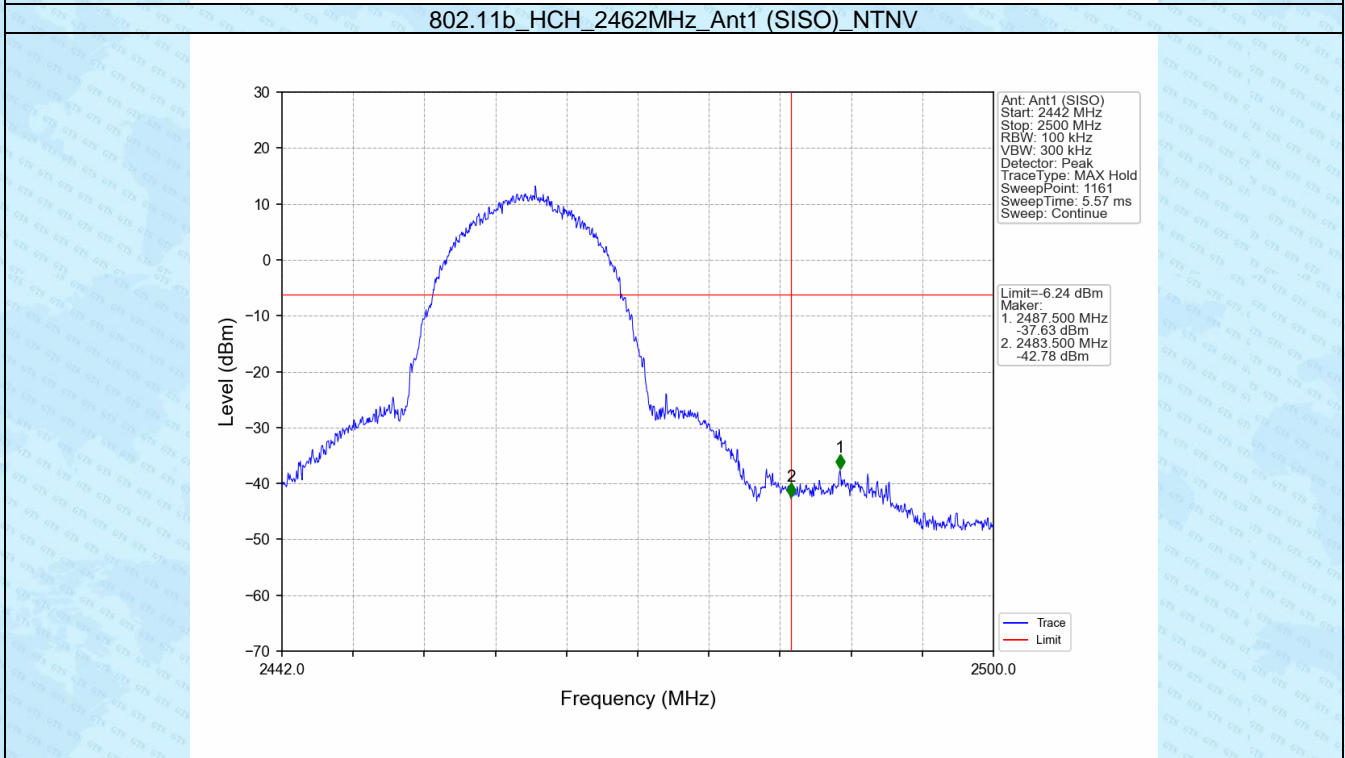
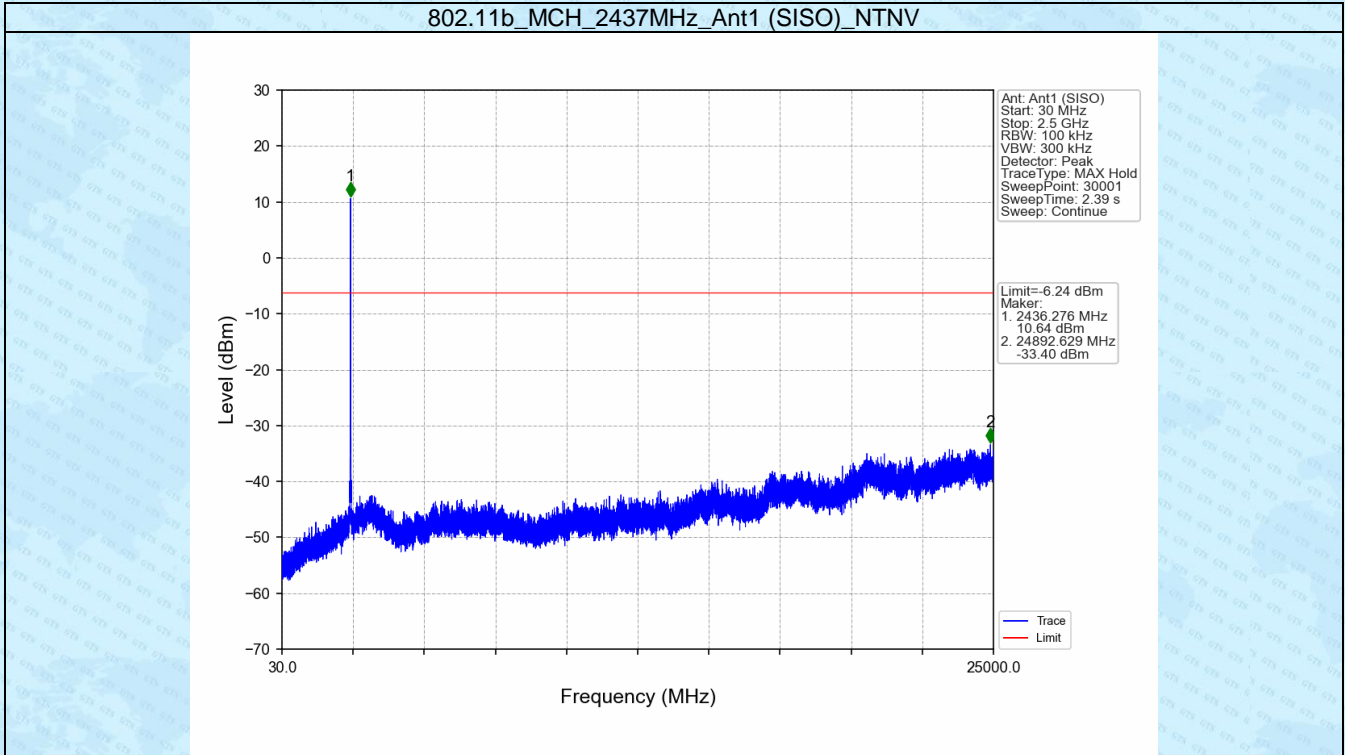
5.2.1 Test Result

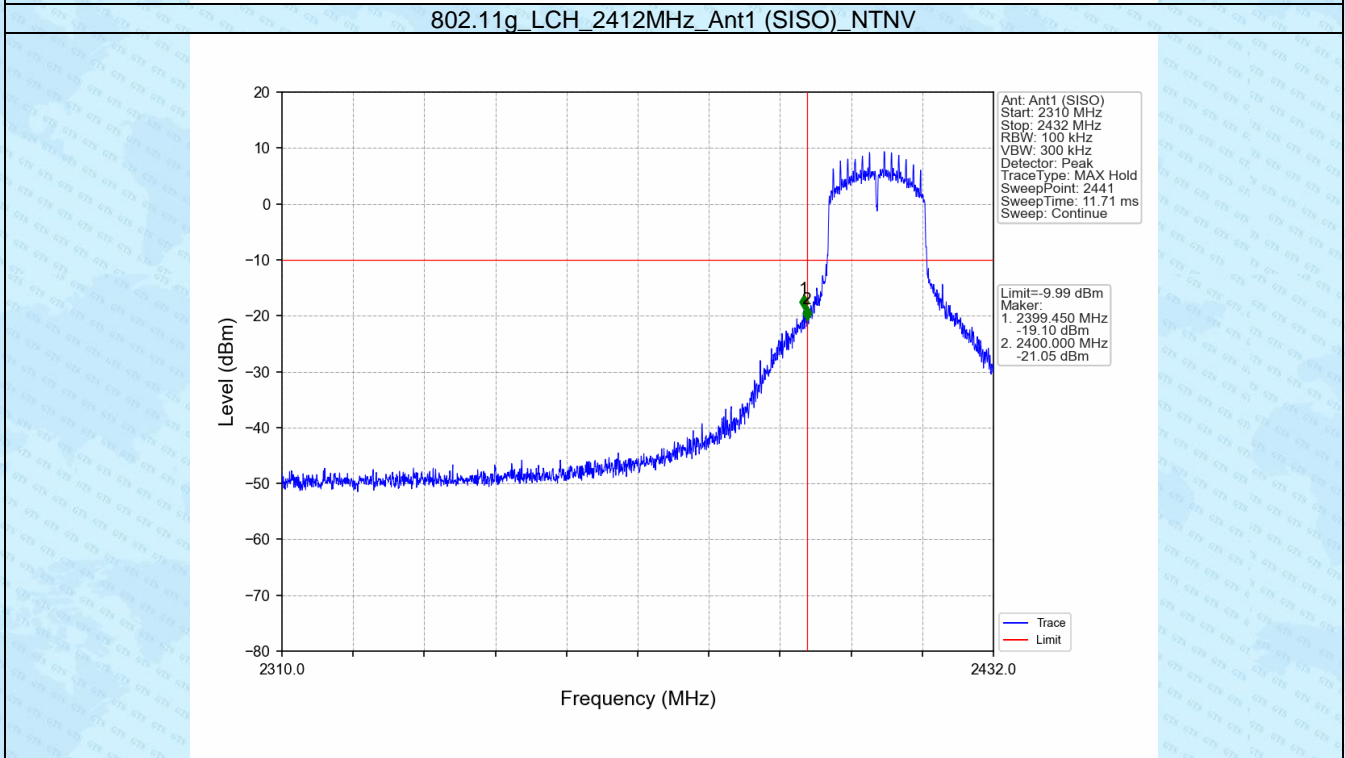
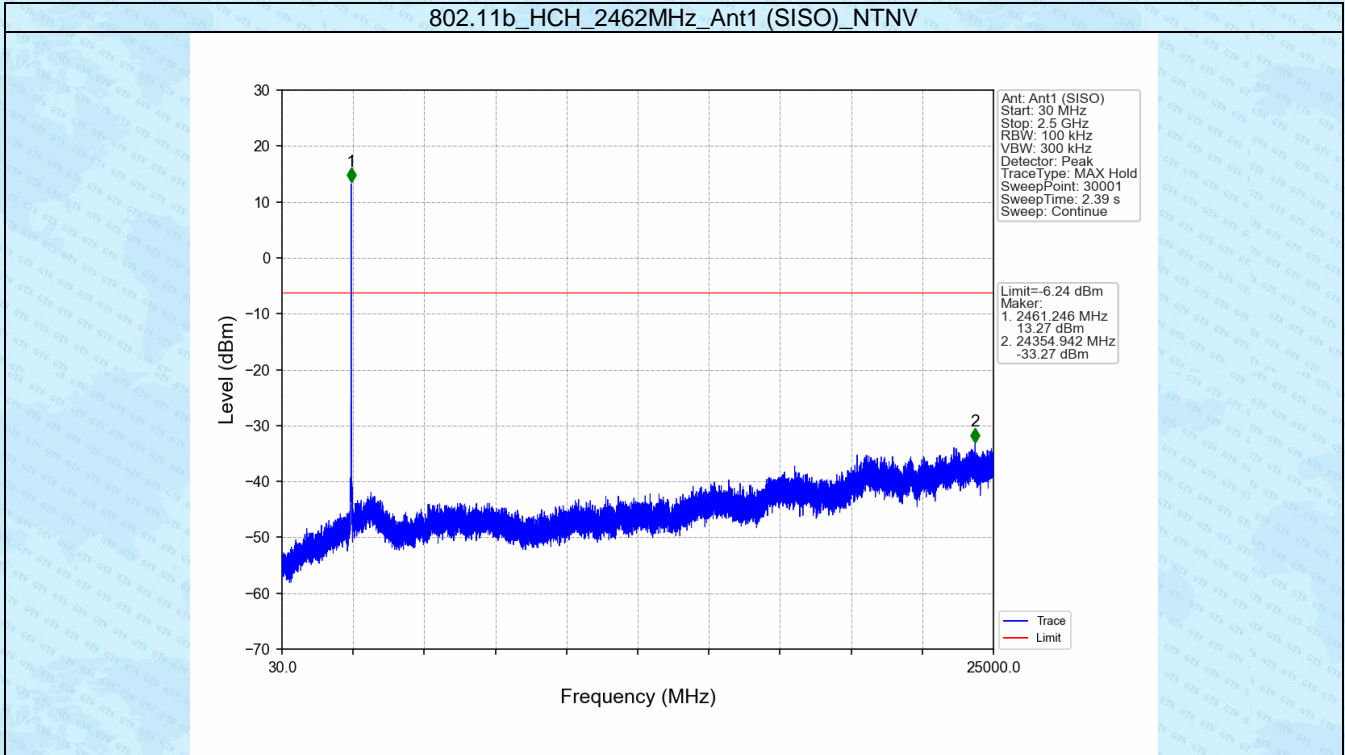
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	13.76	-6.24	Pass
		2437	1	13.76	-6.24	Pass
		2462	1	13.76	-6.24	Pass
802.11g	SISO	2412	1	10.01	-9.99	Pass
		2437	1	10.01	-9.99	Pass
		2462	1	10.01	-9.99	Pass
802.11n (HT20)	SISO	2412	1	6.07	-13.93	Pass
		2437	1	6.07	-13.93	Pass
		2462	1	6.07	-13.93	Pass

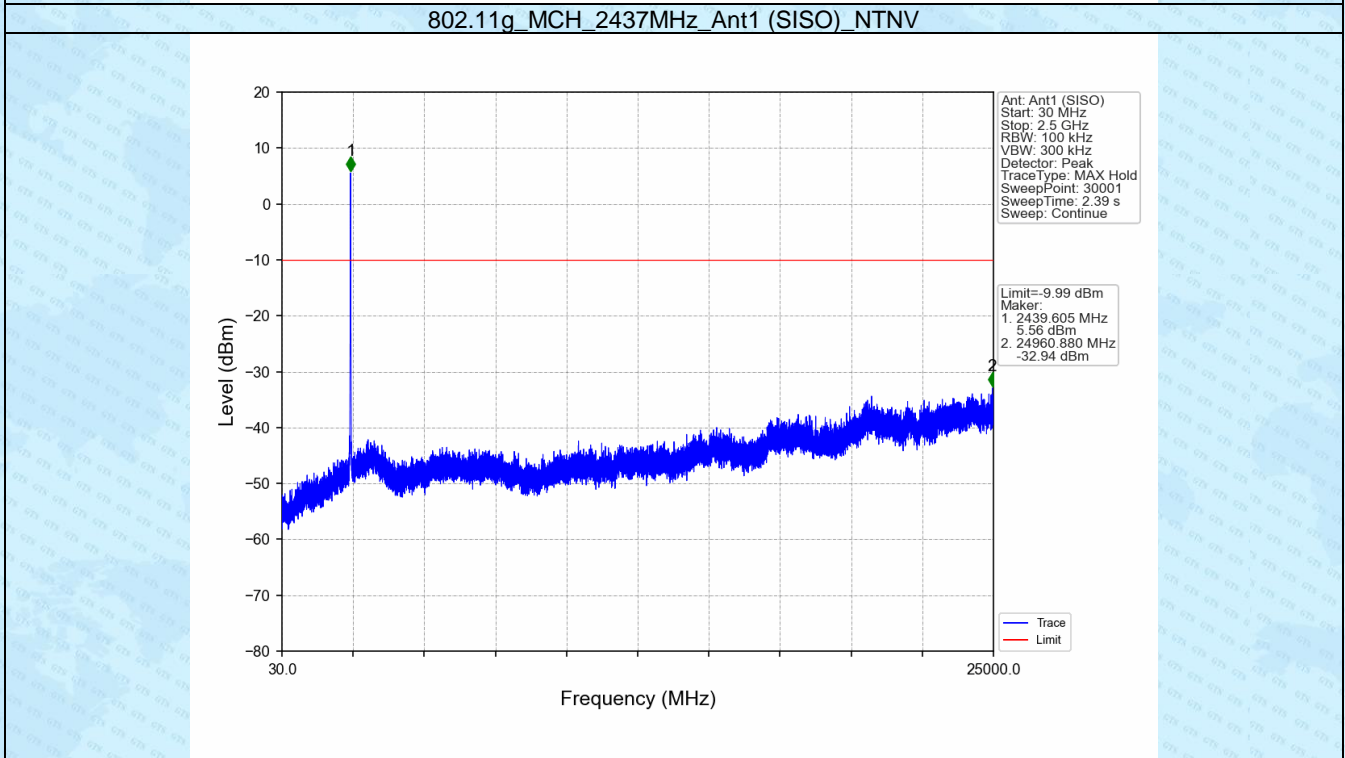
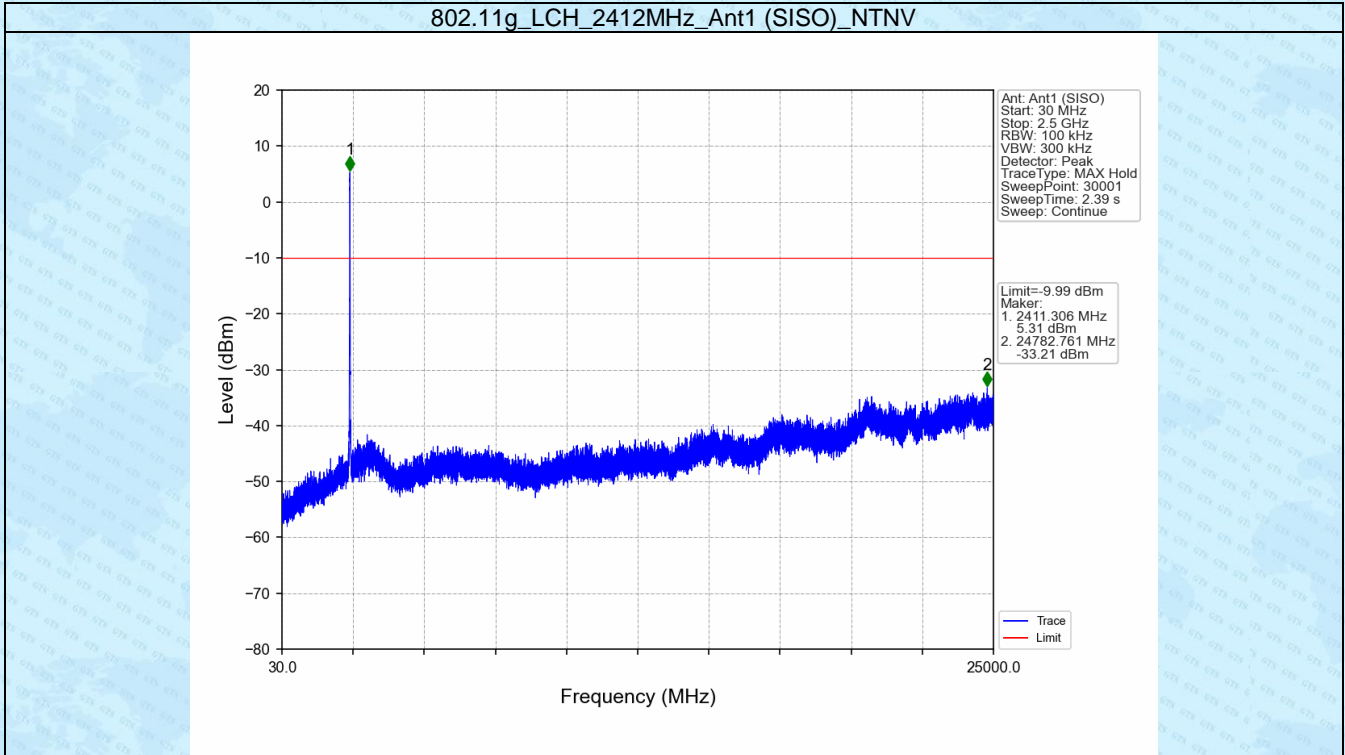
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

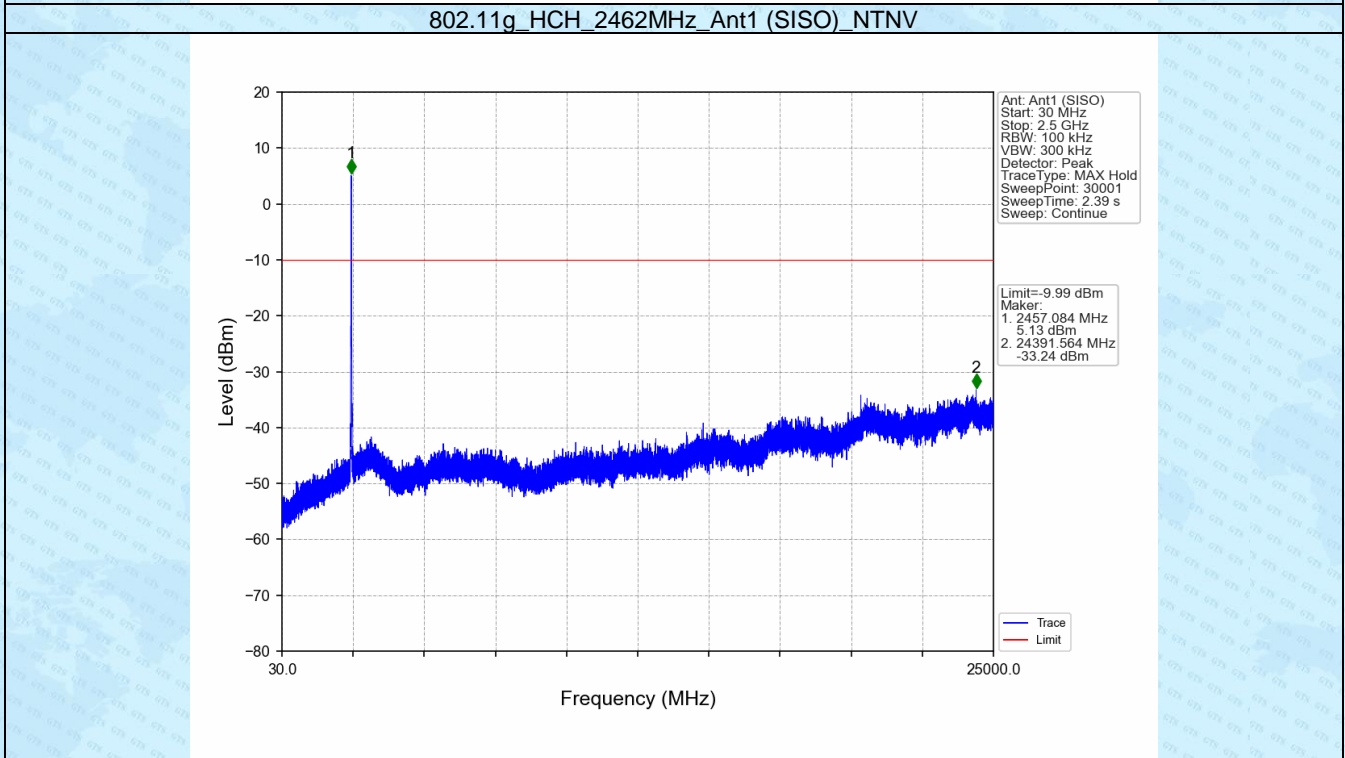
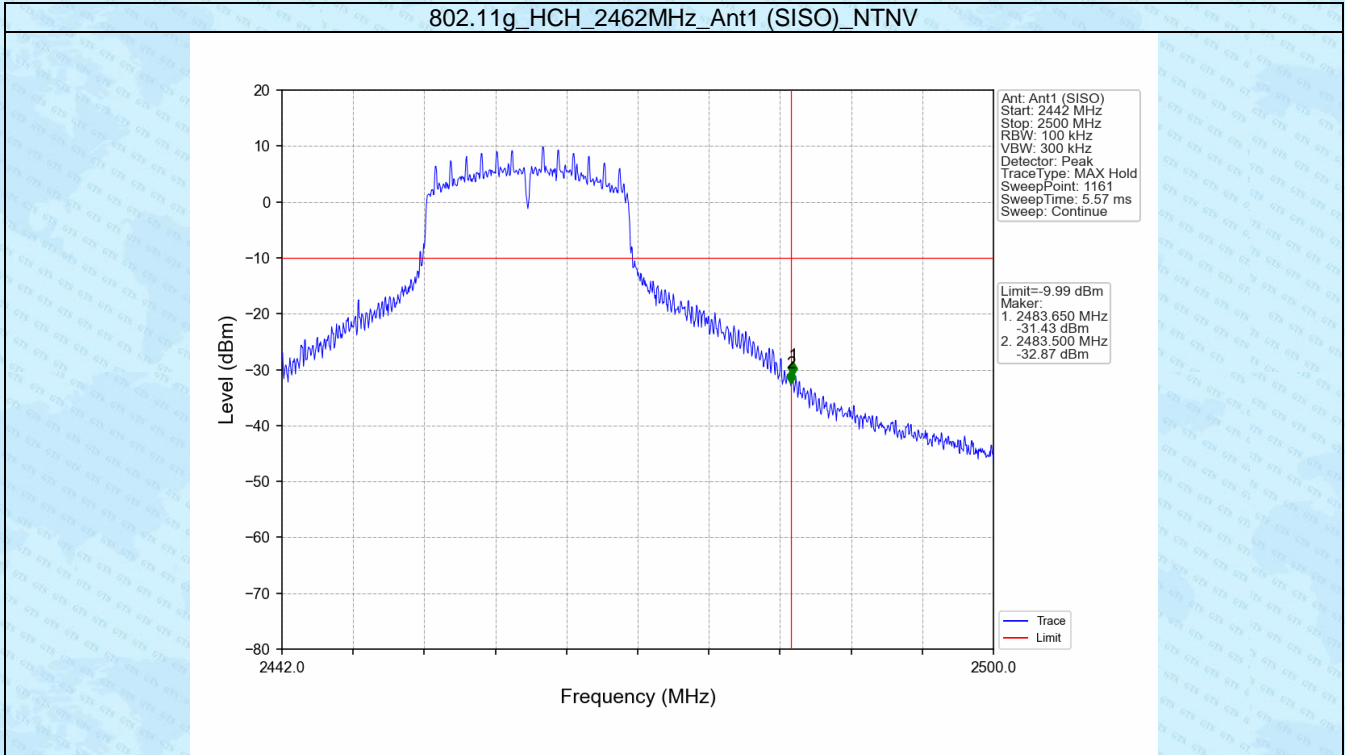
5.2.2 Test Graph



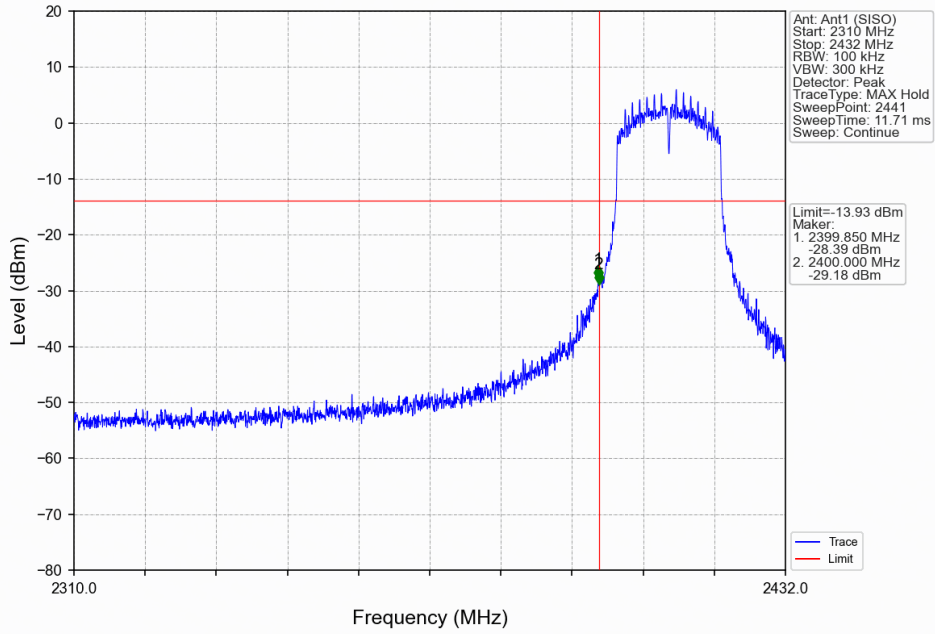




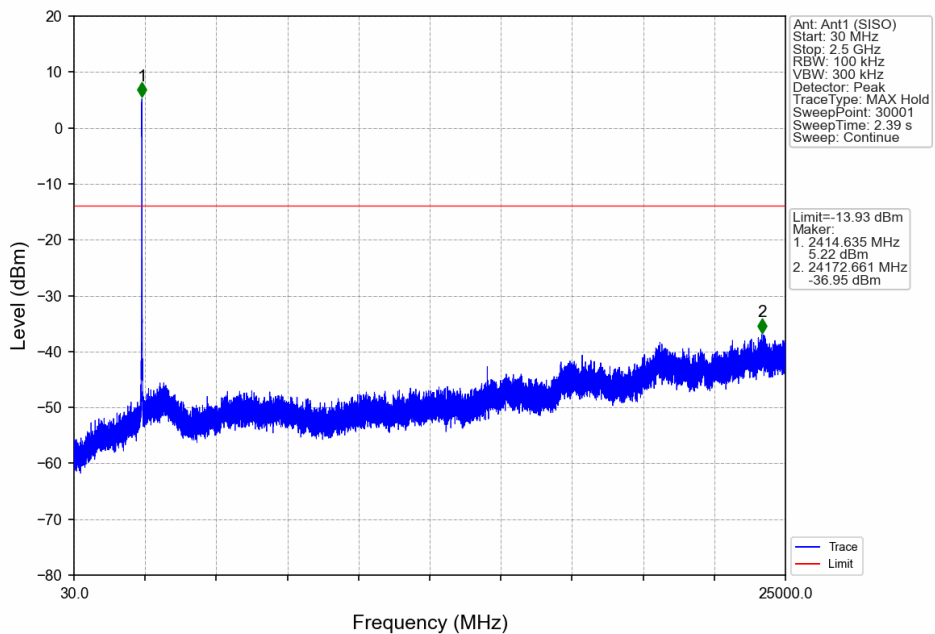




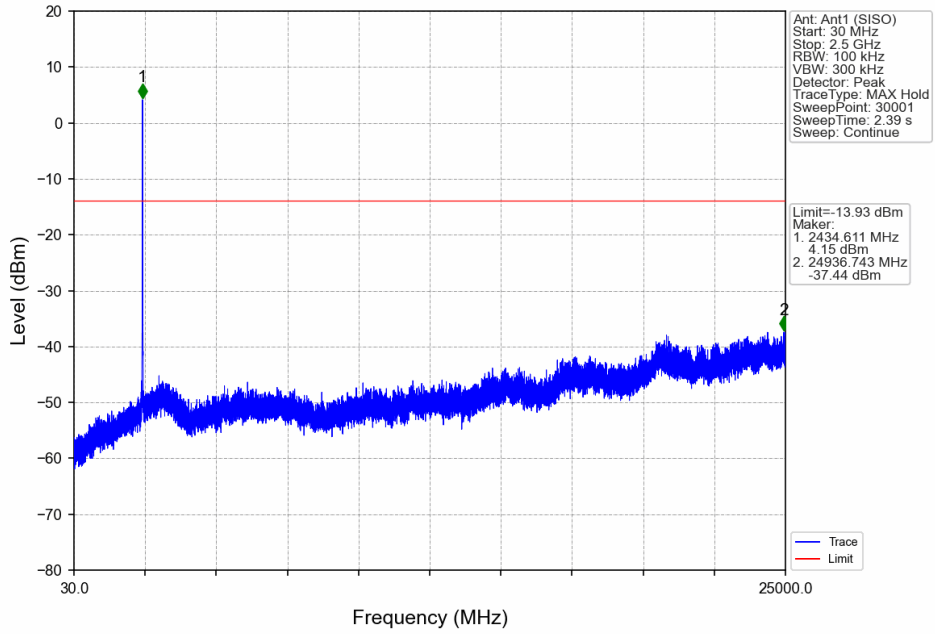
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



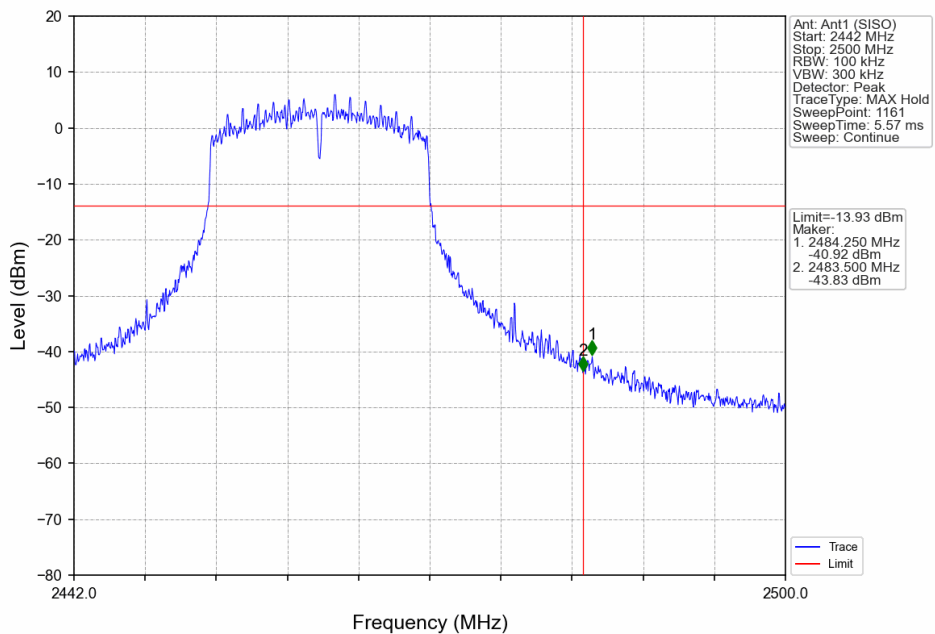
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

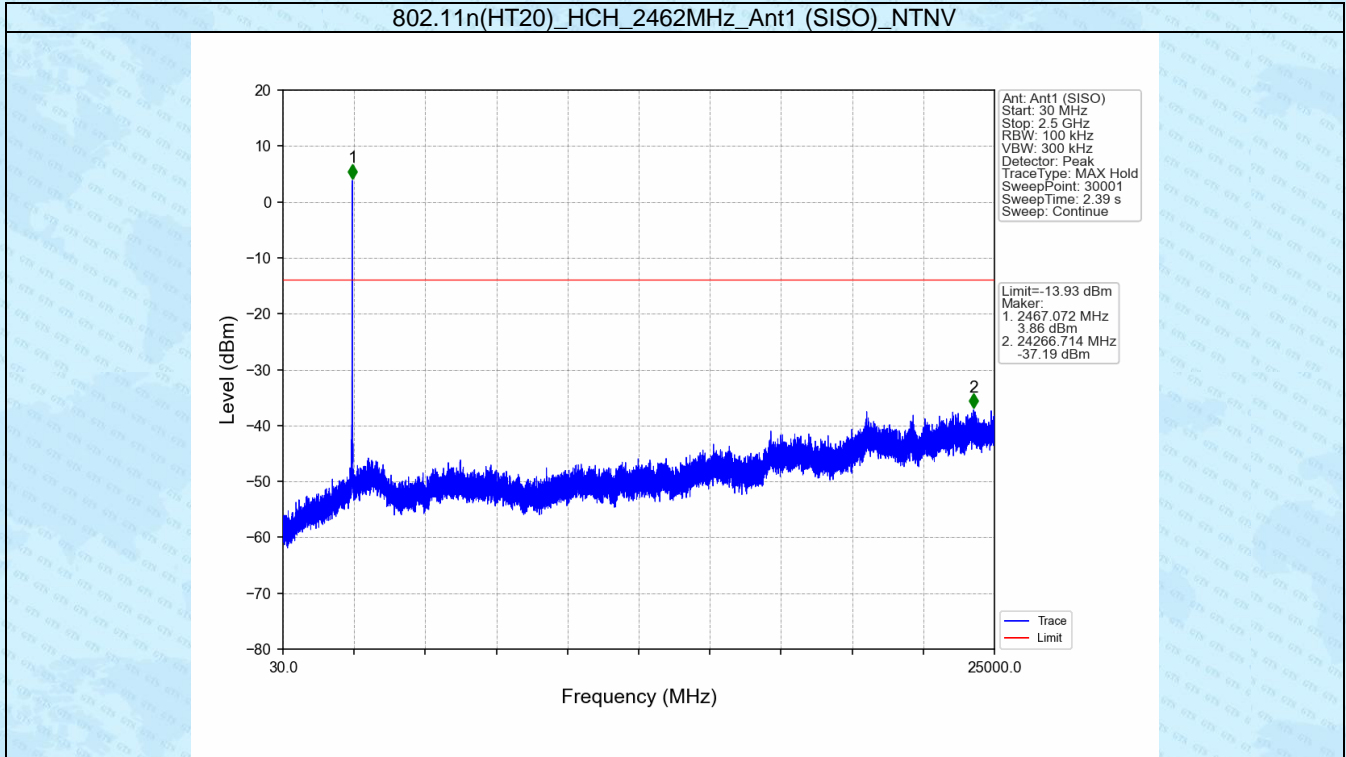


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV





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