

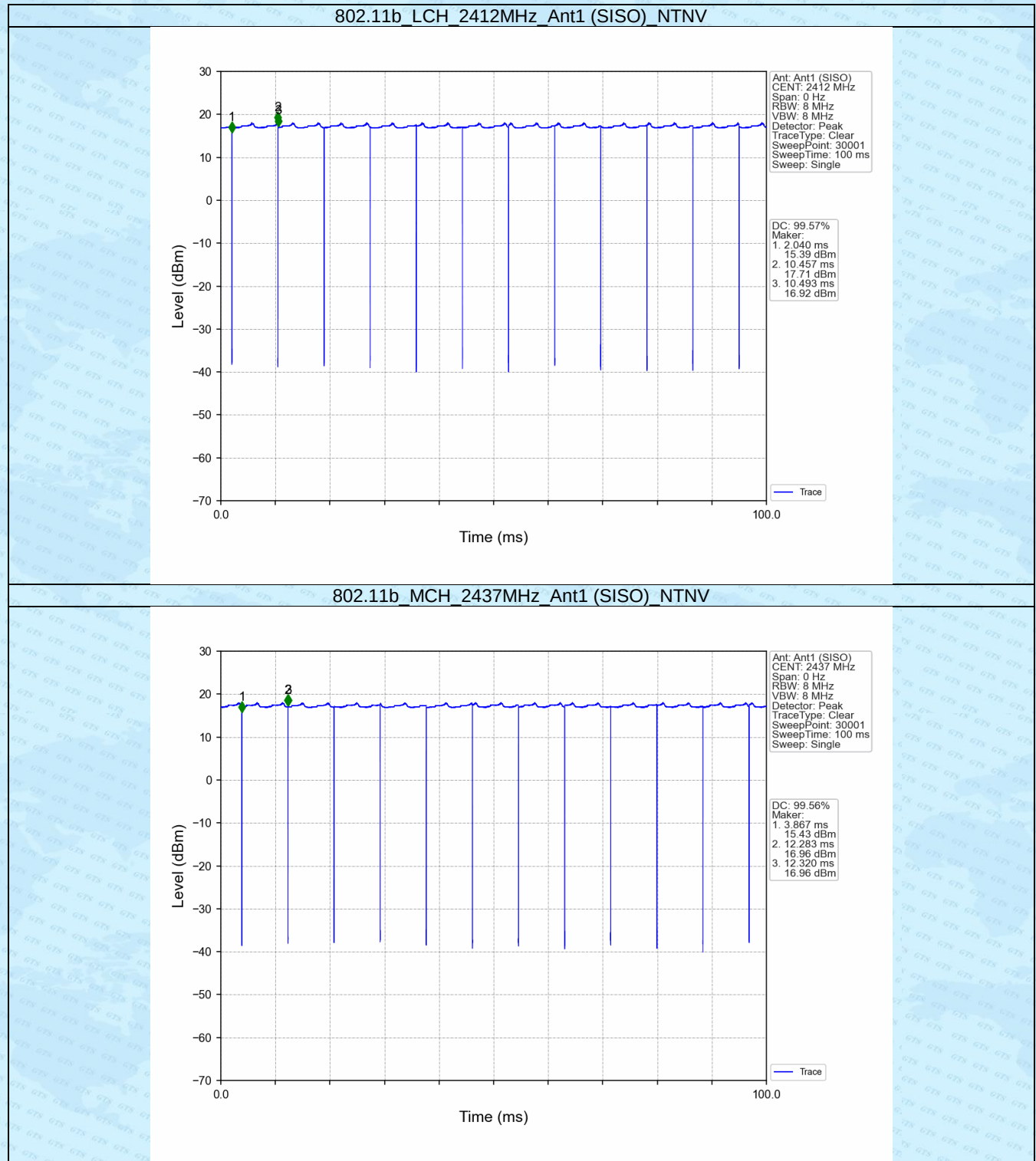
1. Duty Cycle

1.1 Ant1

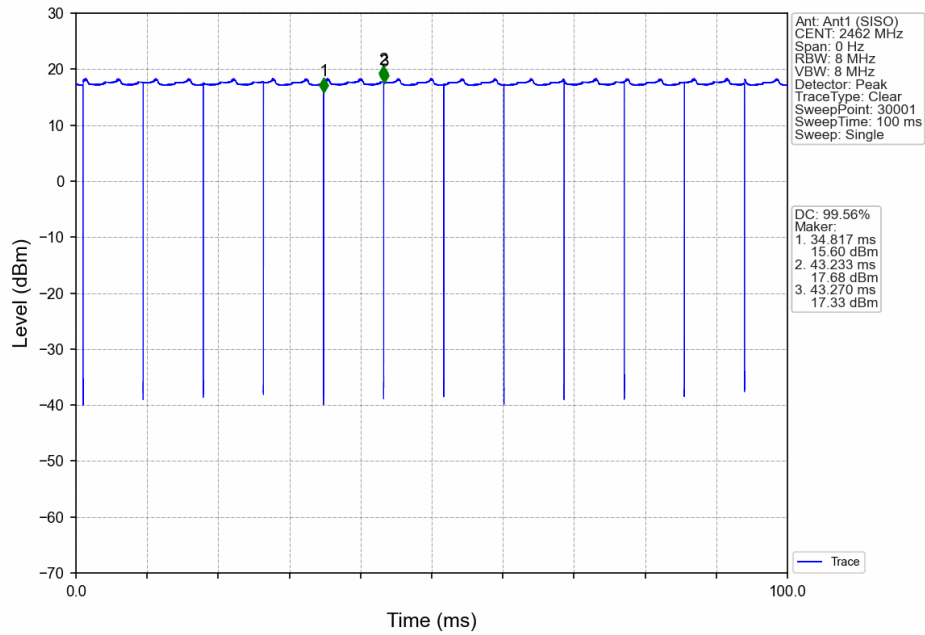
1.1.1 Test Result

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	8.417	8.453	99.57	0.02	0.04
		2437	8.416	8.453	99.56	0.02	0.04
		2462	8.416	8.453	99.56	0.02	0.04
802.11g	SISO	2412	1.397	1.438	97.15	0.13	0.03
		2437	1.397	1.438	97.15	0.13	0.03
		2462	1.397	1.439	97.08	0.13	0.00
802.11n (HT20)	SISO	2412	1.309	1.351	96.89	0.14	0.03
		2437	1.310	1.351	96.97	0.13	0.03
		2462	1.309	1.351	96.89	0.14	0.03

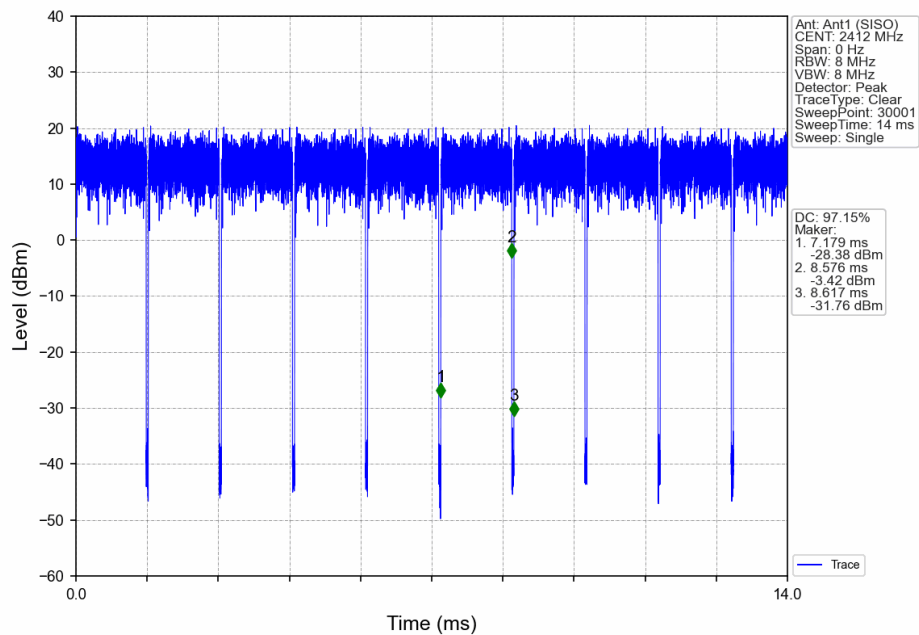
1.1.2 Test Graph



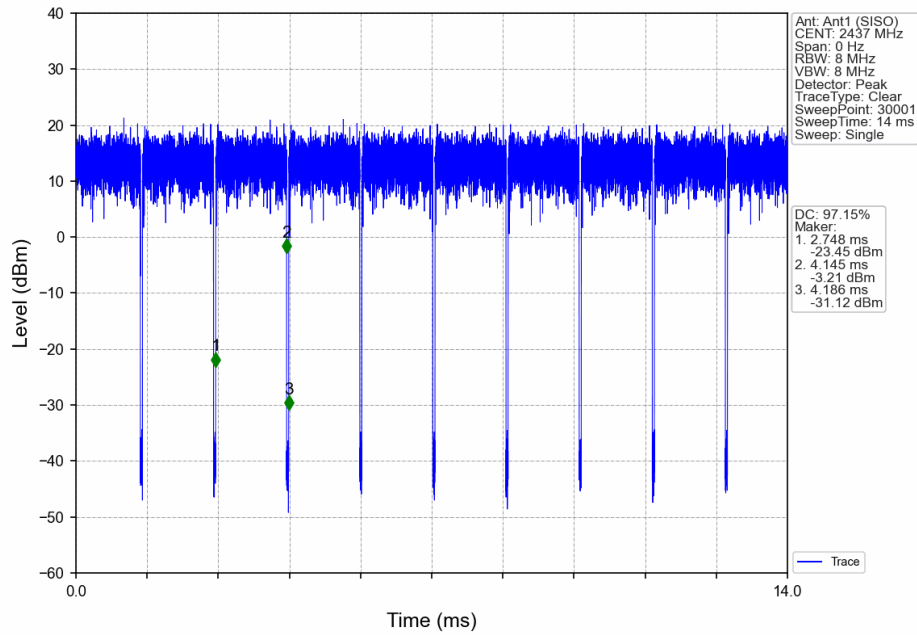
802.11b HCH 2462MHz Ant1 (SISO) NTN



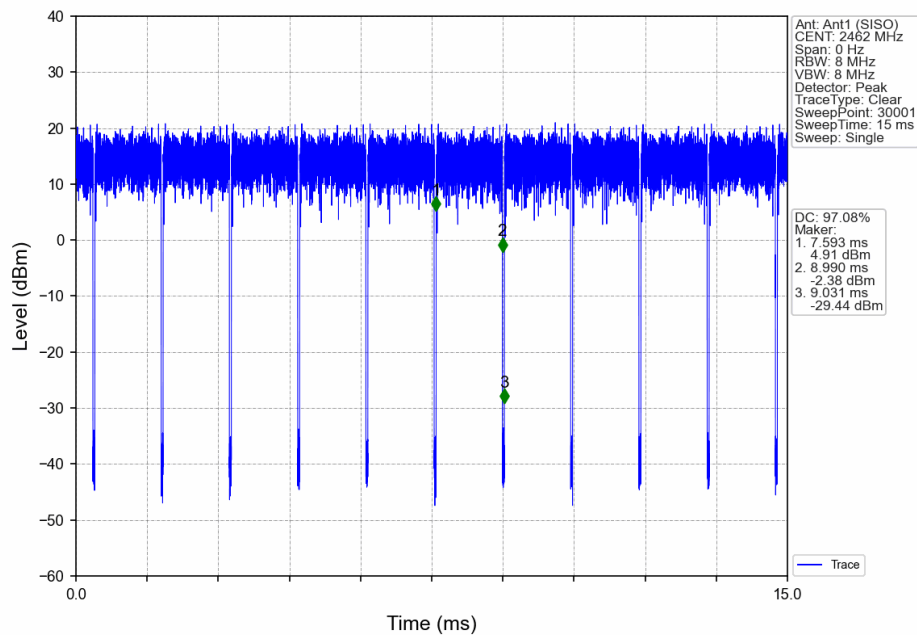
802.11g LCH 2412MHz Ant1 (SISO) NTN



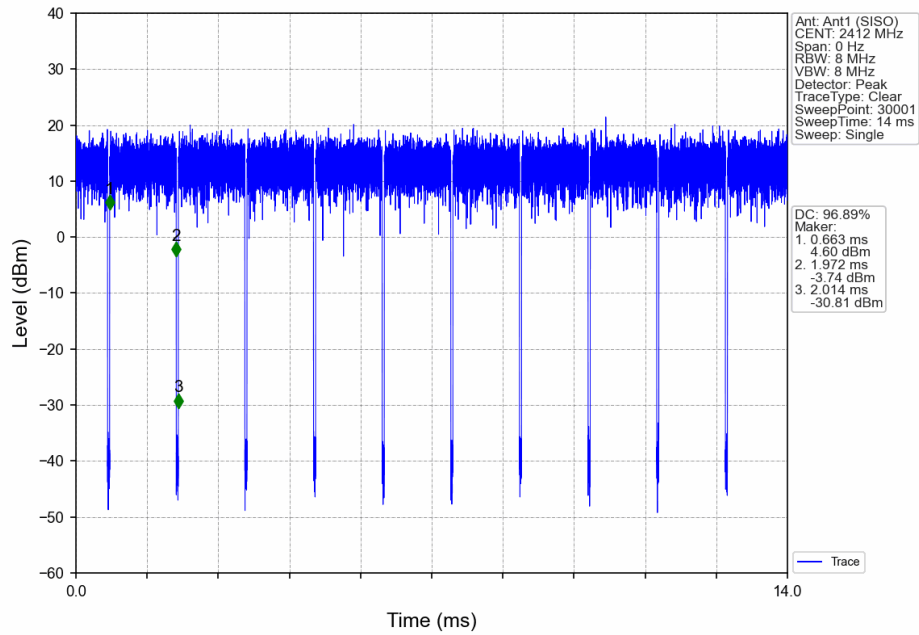
802.11g MCH 2437MHz Ant1 (SISO) NTVN



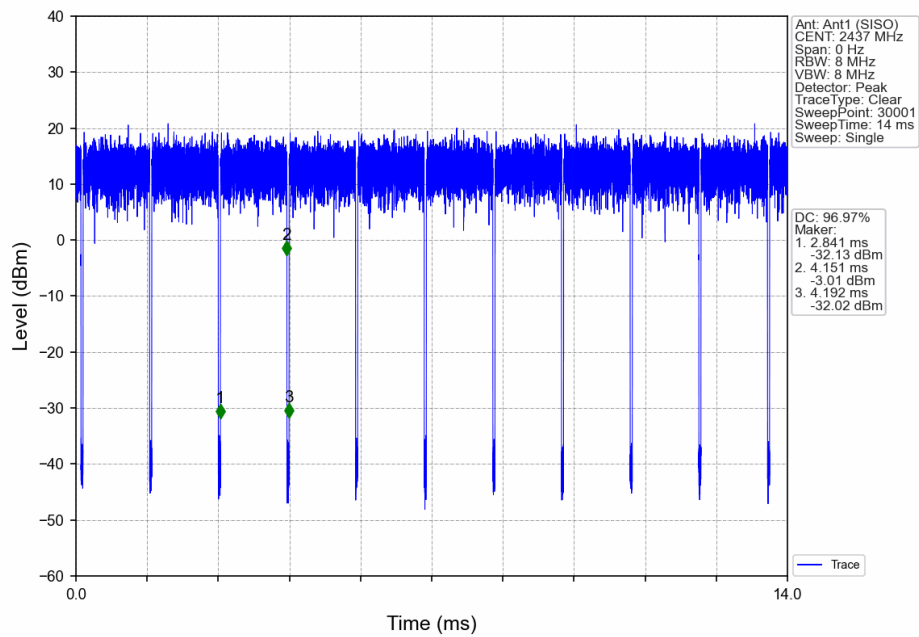
802.11g HCH 2462MHz Ant1 (SISO) NTVN

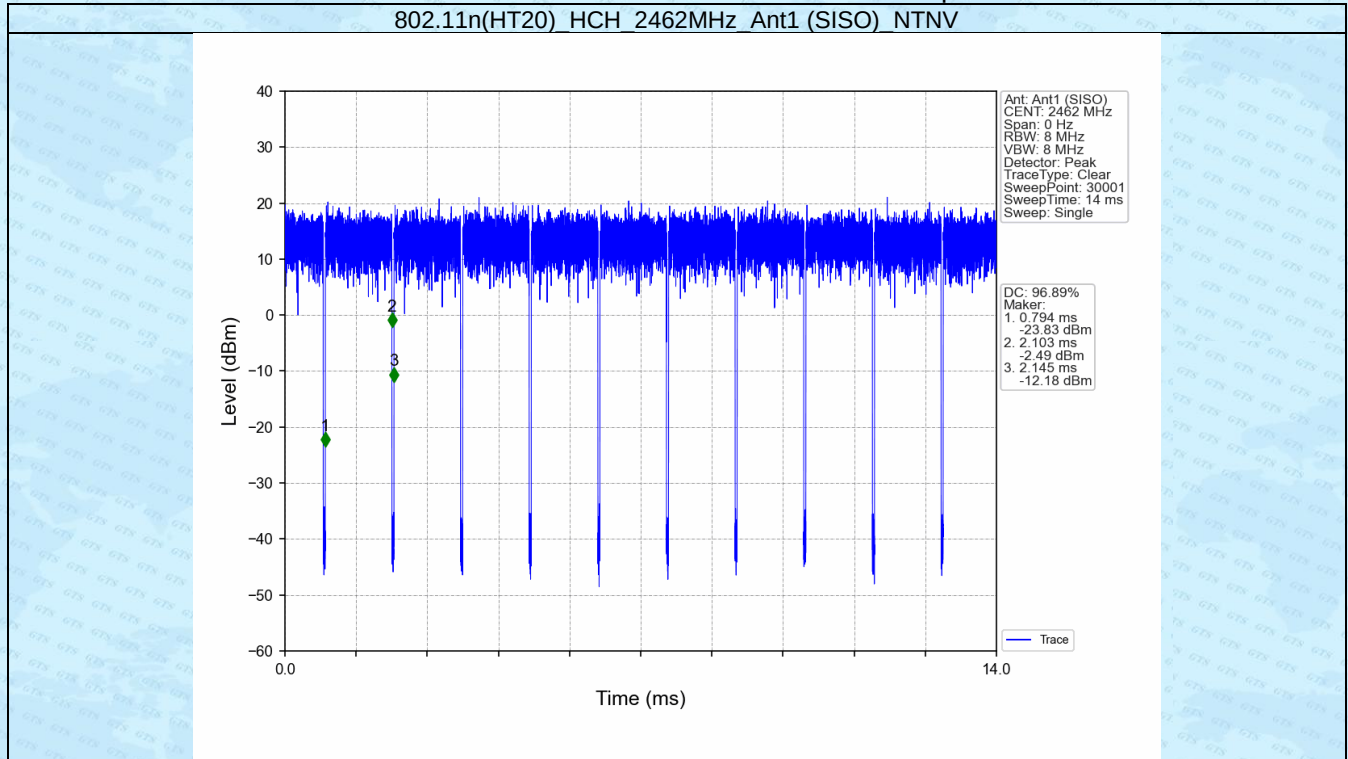


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



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





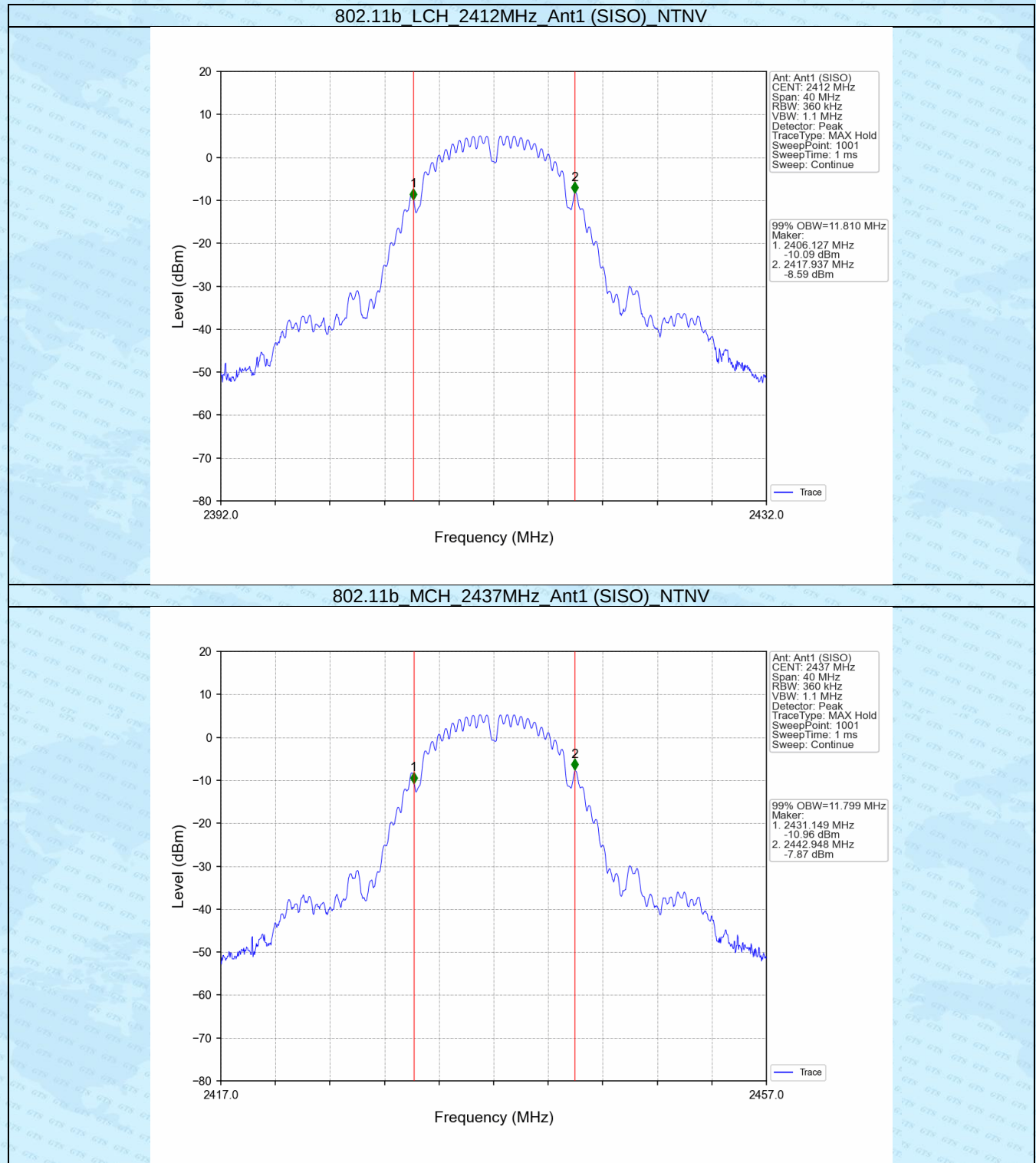
2. Bandwidth

2.1 OBW

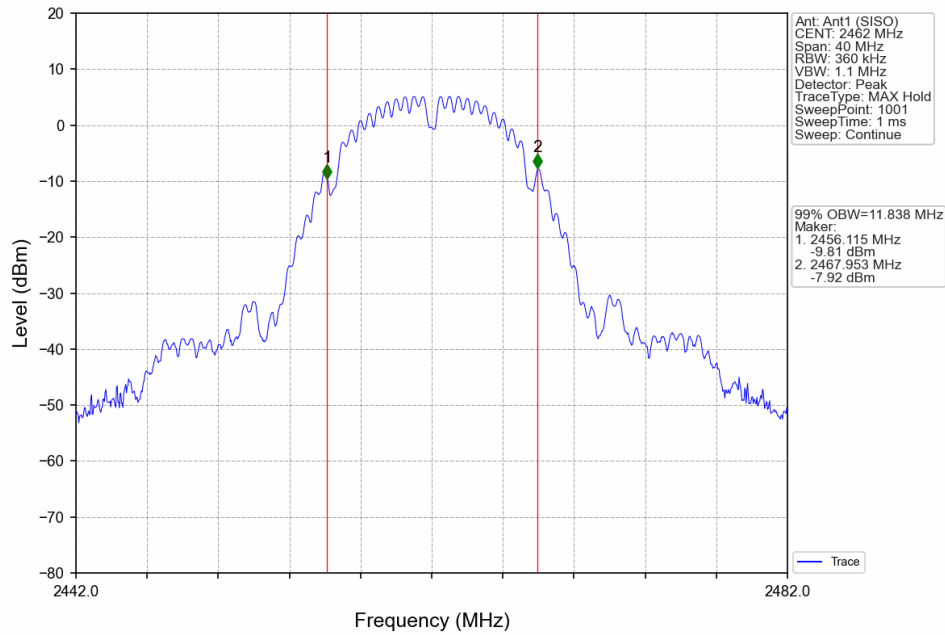
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	11.810	Pass
		2437	1	11.799	Pass
		2462	1	11.838	Pass
802.11g	SISO	2412	1	18.011	Pass
		2437	1	18.028	Pass
		2462	1	17.749	Pass
802.11n (HT20)	SISO	2412	1	18.902	Pass
		2437	1	18.888	Pass
		2462	1	18.674	Pass

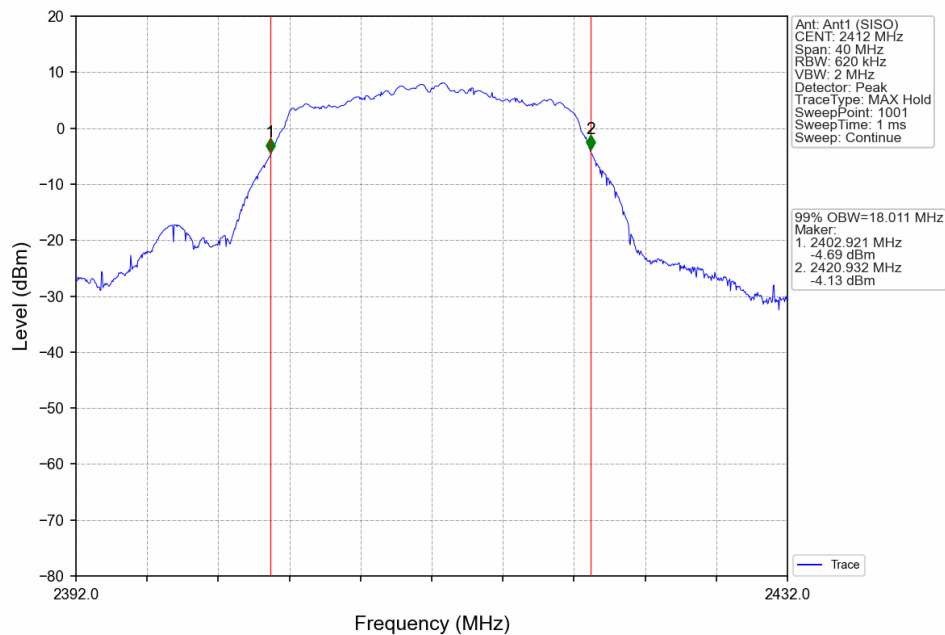
2.1.2 Test Graph



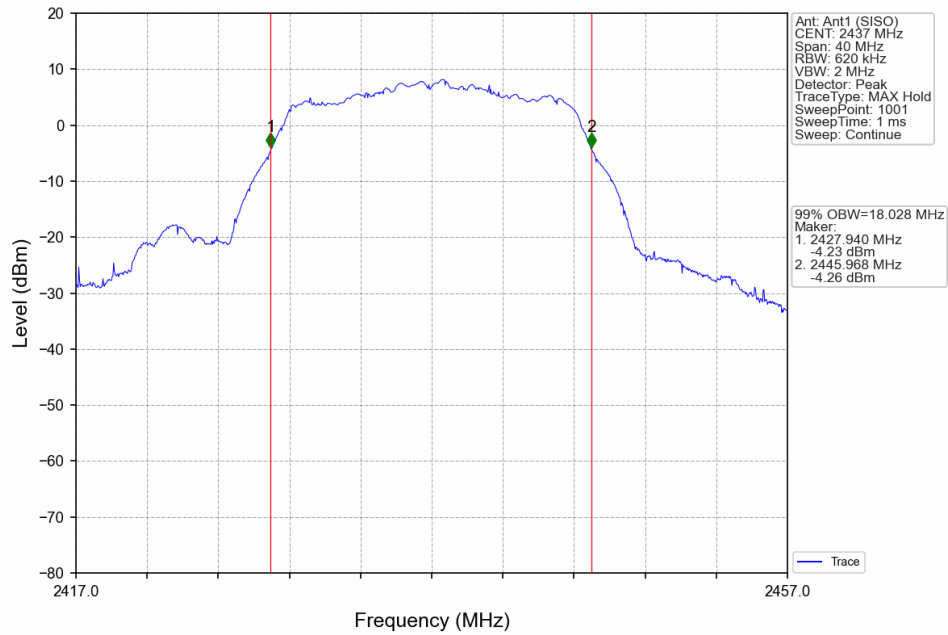
802.11b HCH 2462MHz Ant1 (SISO) NTNV



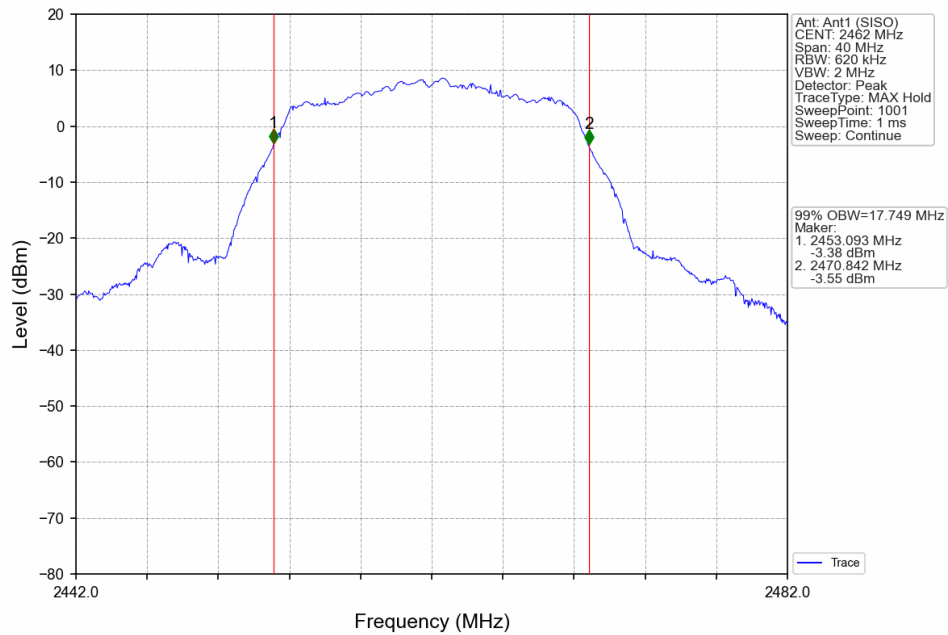
802.11g LCH 2412MHz Ant1 (SISO) NTNV



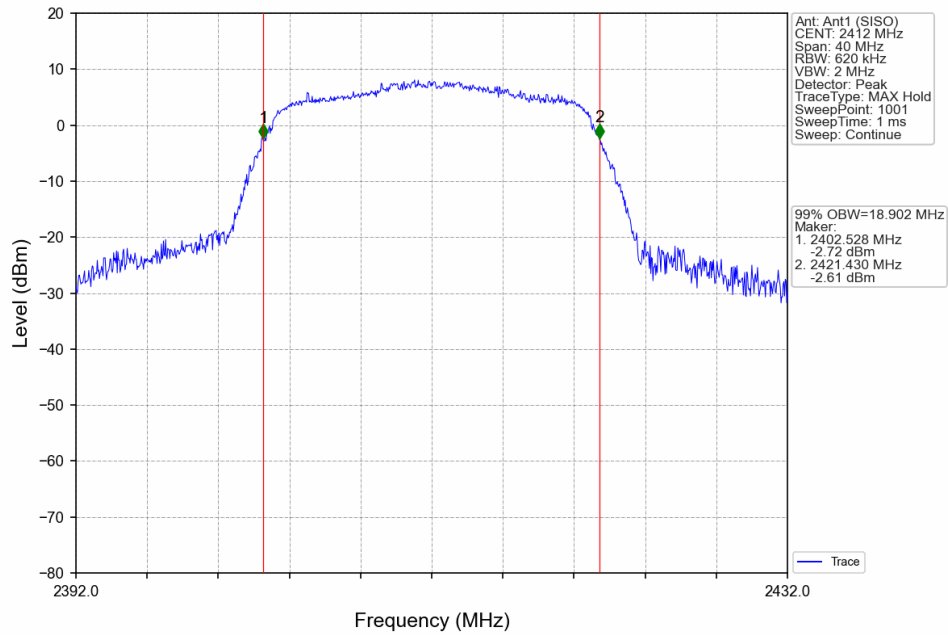
802.11g MCH 2437MHz Ant1 (SISO) NTNV



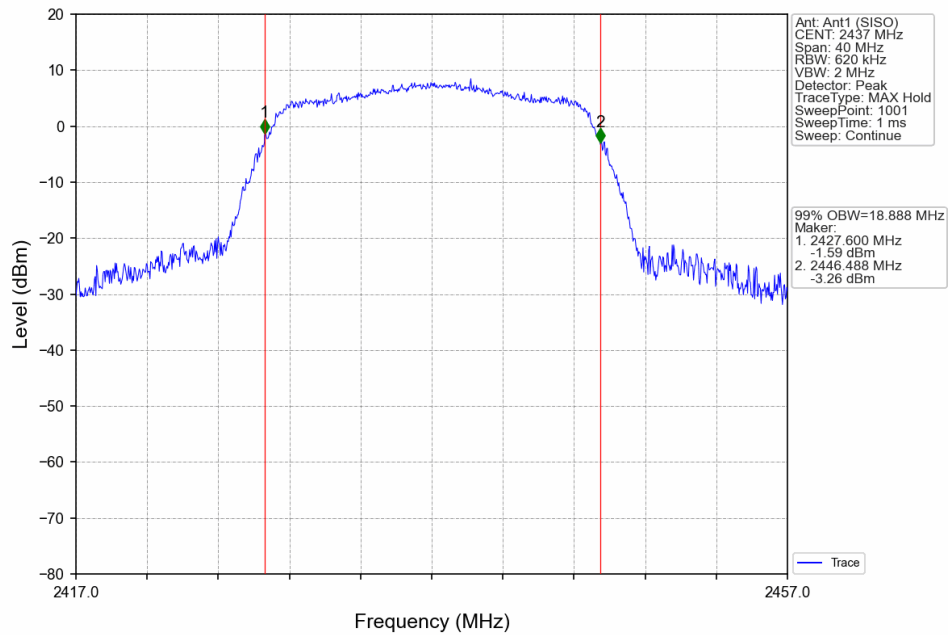
802.11g HCH 2462MHz Ant1 (SISO) NTNV

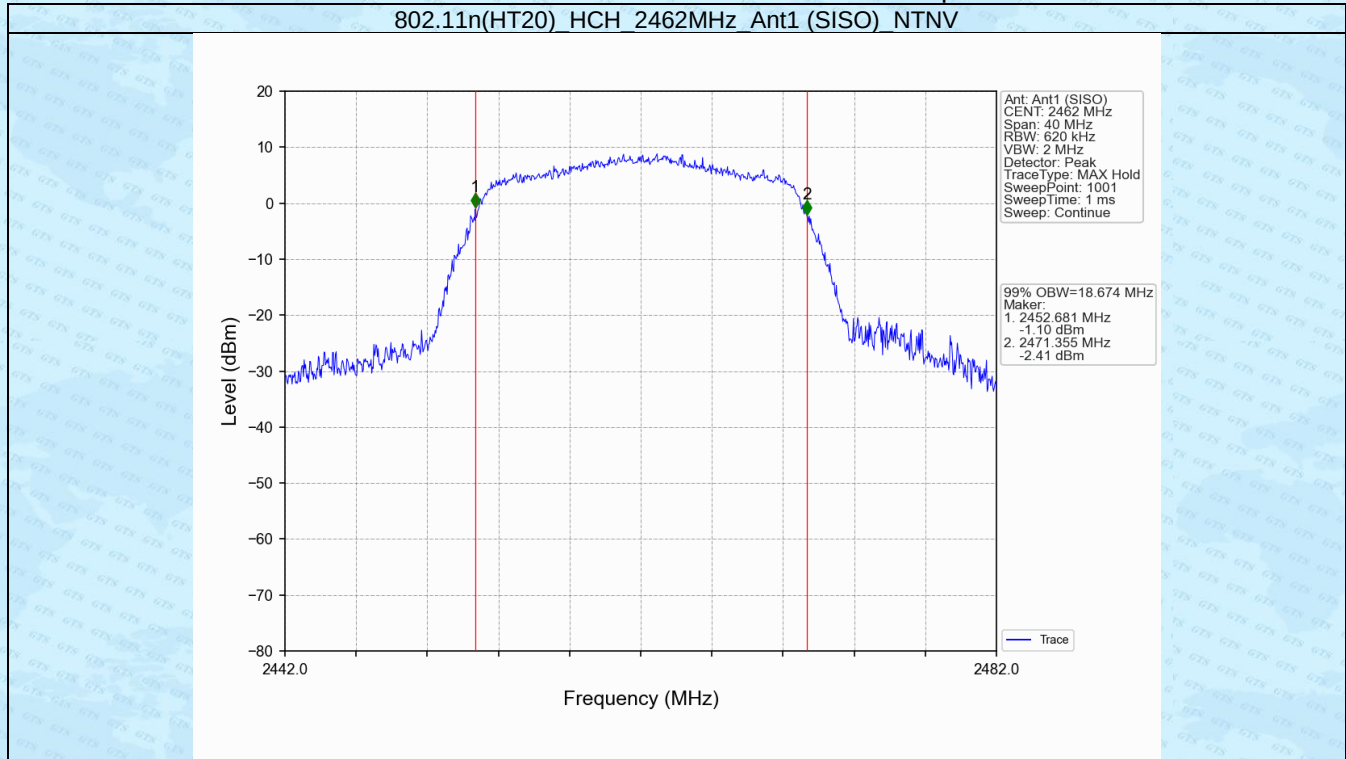


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



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



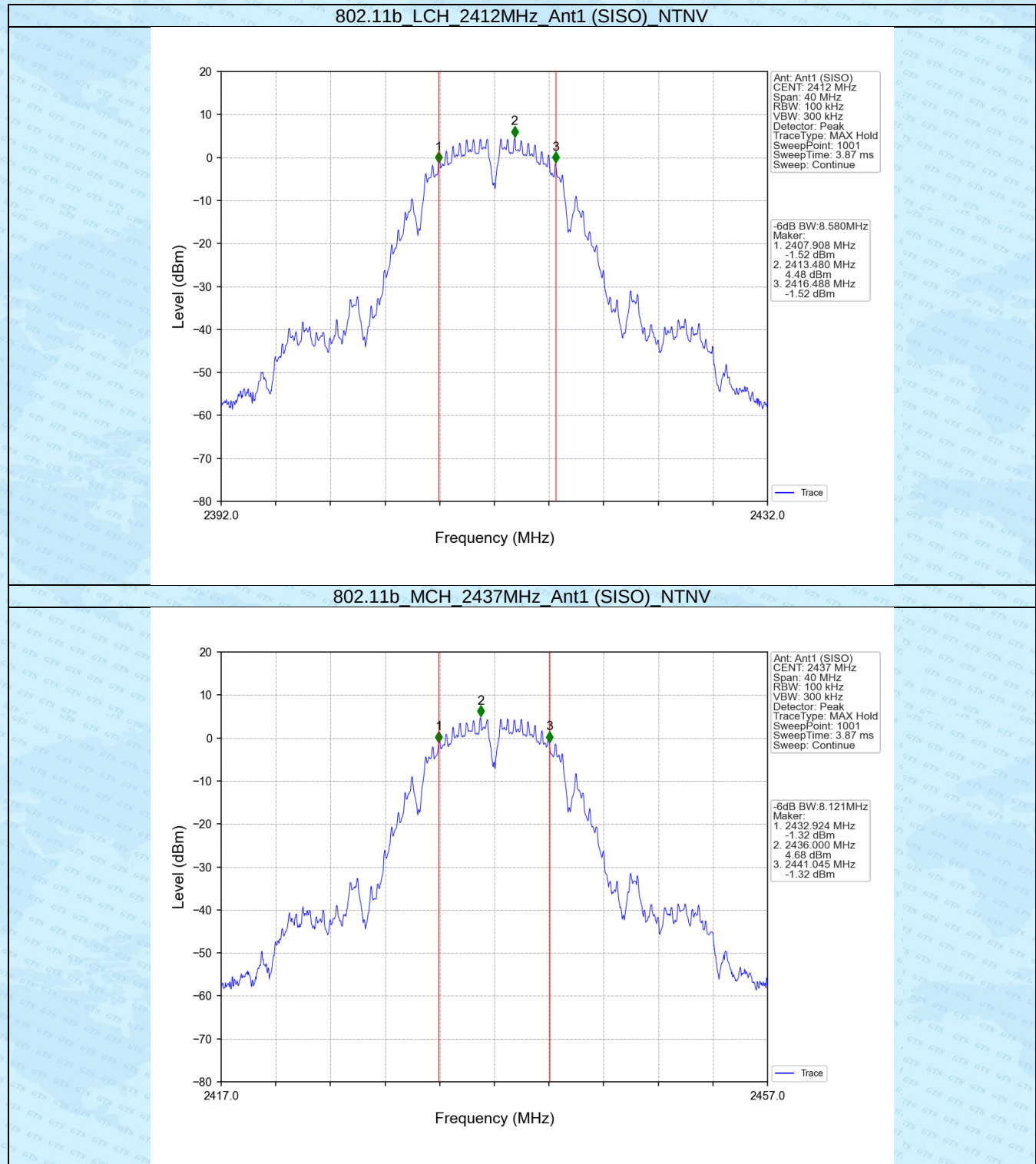


2.2 6dB BW

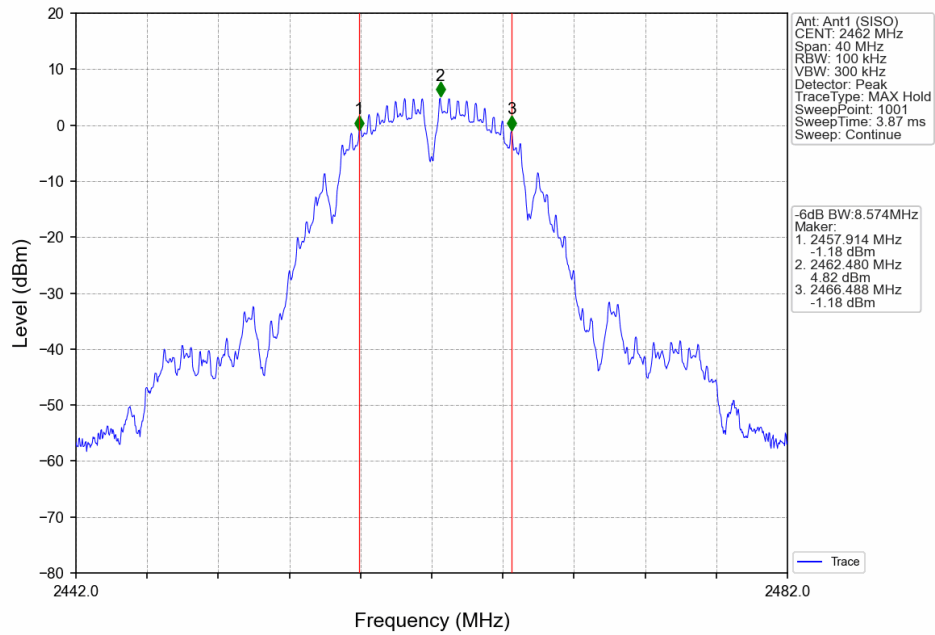
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.580	≥ 0.5	Pass
		2437	1	8.121	≥ 0.5	Pass
		2462	1	8.574	≥ 0.5	Pass
802.11g	SISO	2412	1	16.300	≥ 0.5	Pass
		2437	1	16.330	≥ 0.5	Pass
		2462	1	15.820	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.318	≥ 0.5	Pass
		2437	1	17.263	≥ 0.5	Pass
		2462	1	16.069	≥ 0.5	Pass

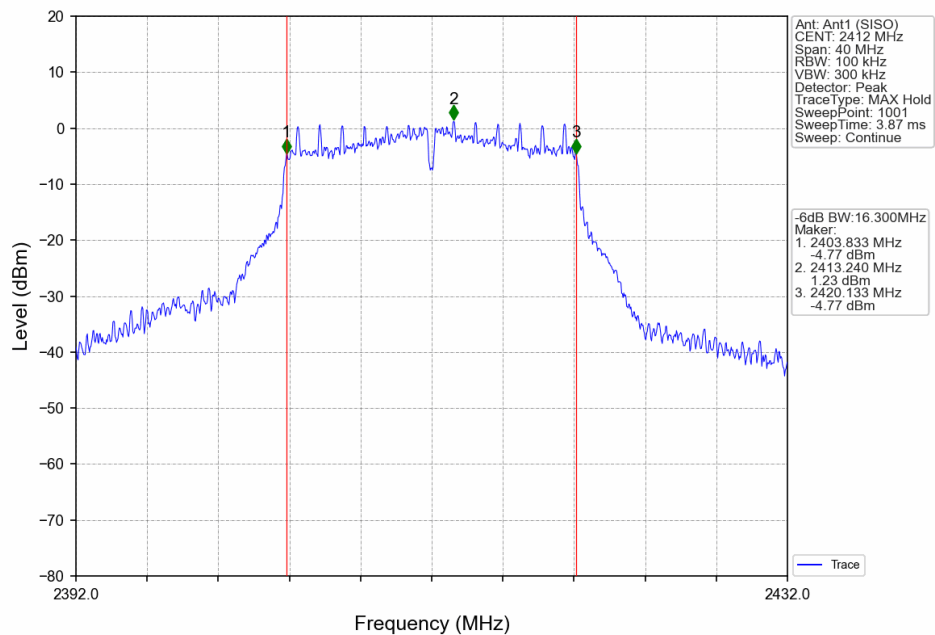
2.2.2 Test Graph



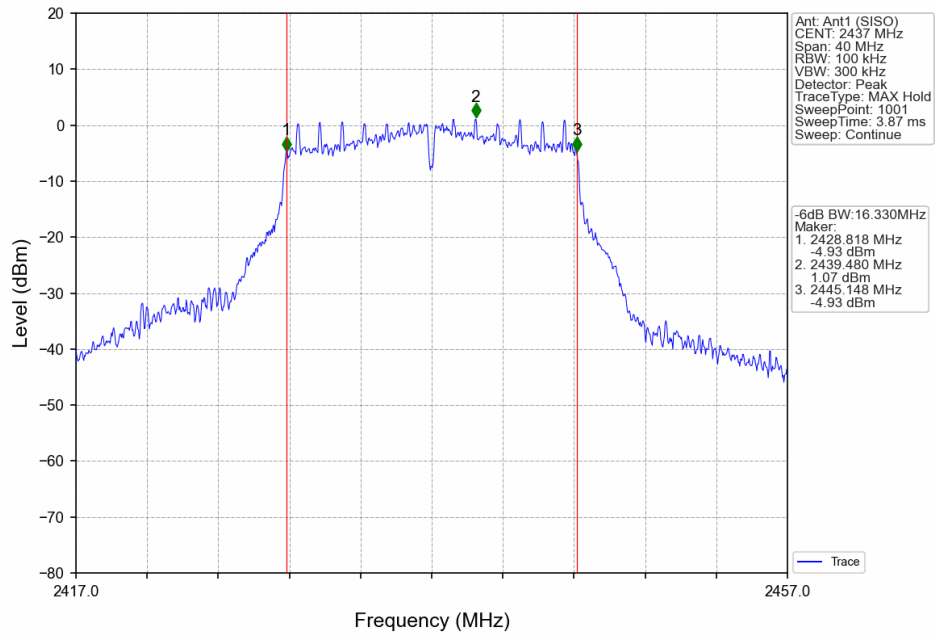
802.11b HCH 2462MHz Ant1 (SISO) NTN



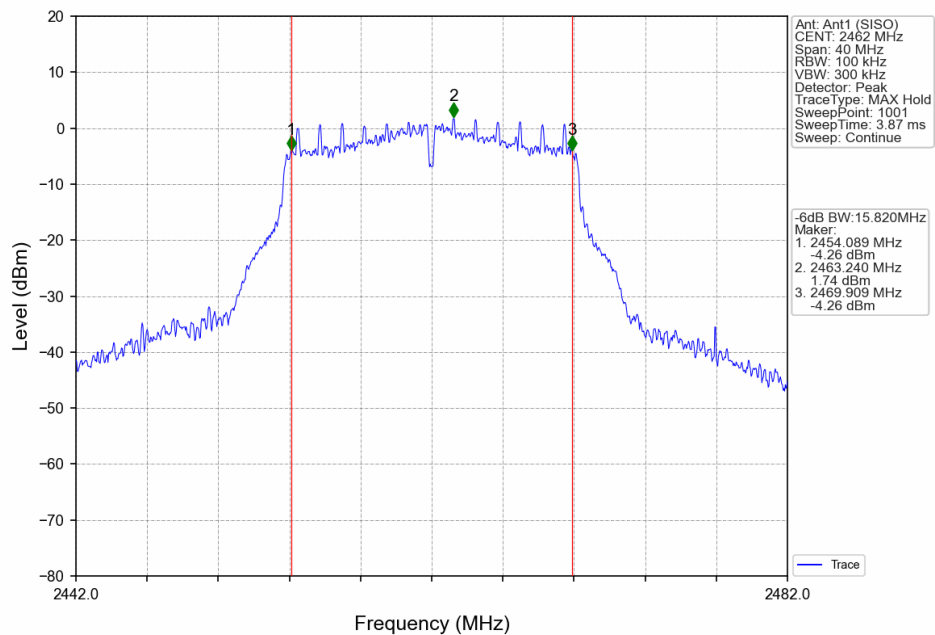
802.11g LCH 2412MHz Ant1 (SISO) NTN



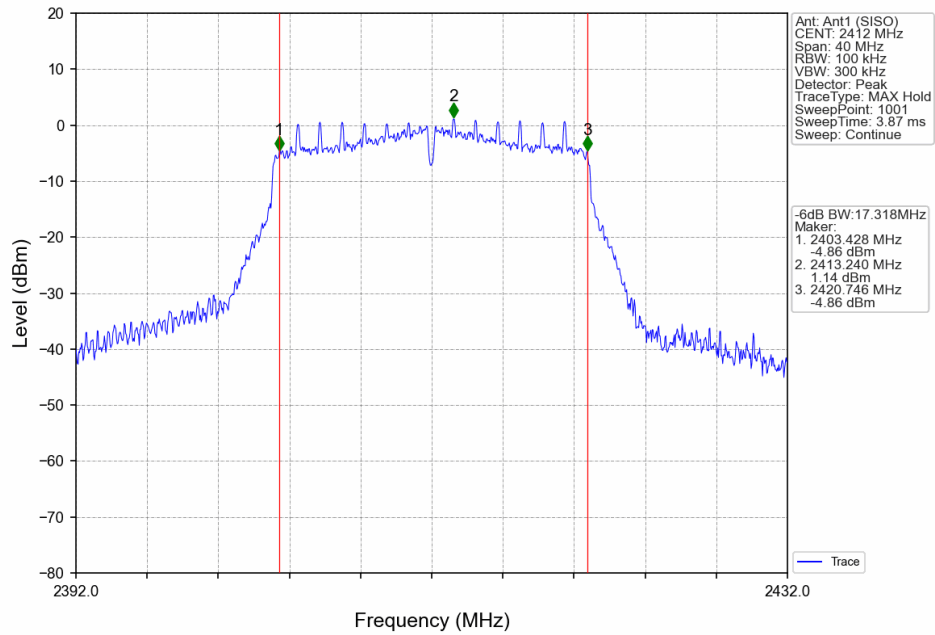
802.11g MCH 2437MHz Ant1 (SISO) NTNV



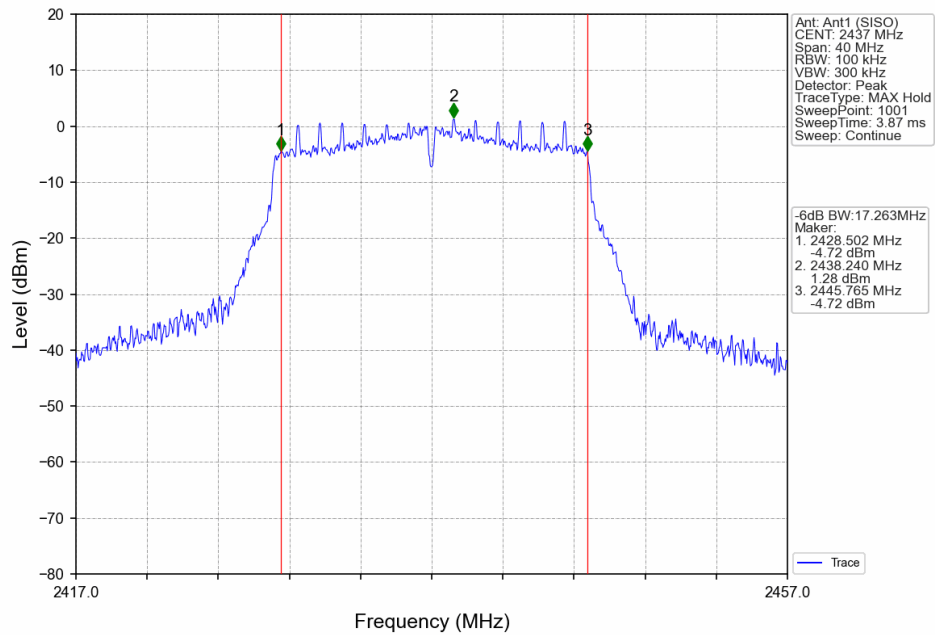
802.11g HCH 2462MHz Ant1 (SISO) NTNV



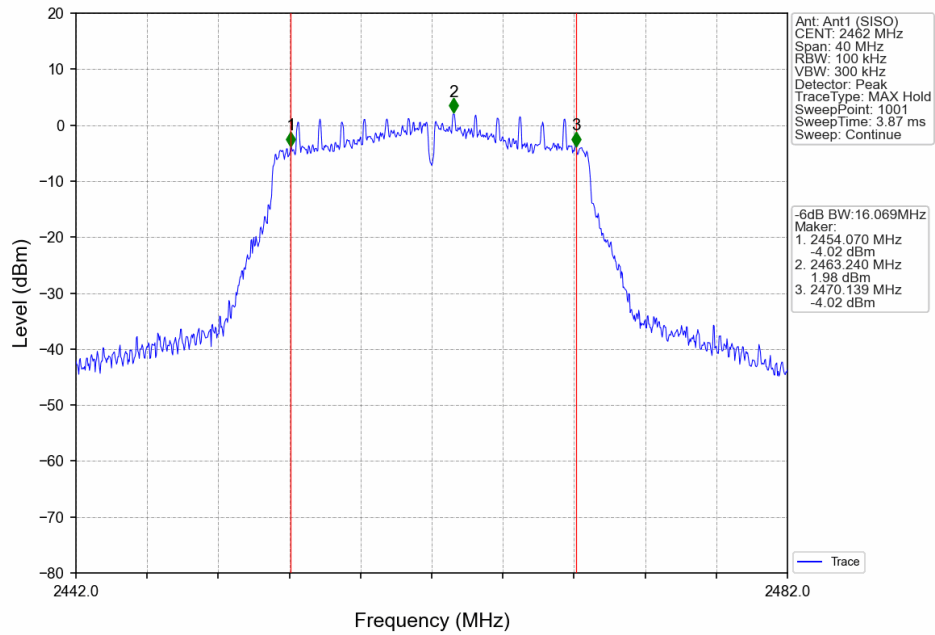
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



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



802.11n(HT20) HCH 2462MHz 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	15.58	<=30	Pass
		2437	15.75	<=30	Pass
		2462	15.79	<=30	Pass
802.11g	SISO	2412	20.32	<=30	Pass
		2437	20.34	<=30	Pass
		2462	20.57	<=30	Pass
802.11n (HT20)	SISO	2412	19.82	<=30	Pass
		2437	20.11	<=30	Pass
		2462	20.32	<=30	Pass

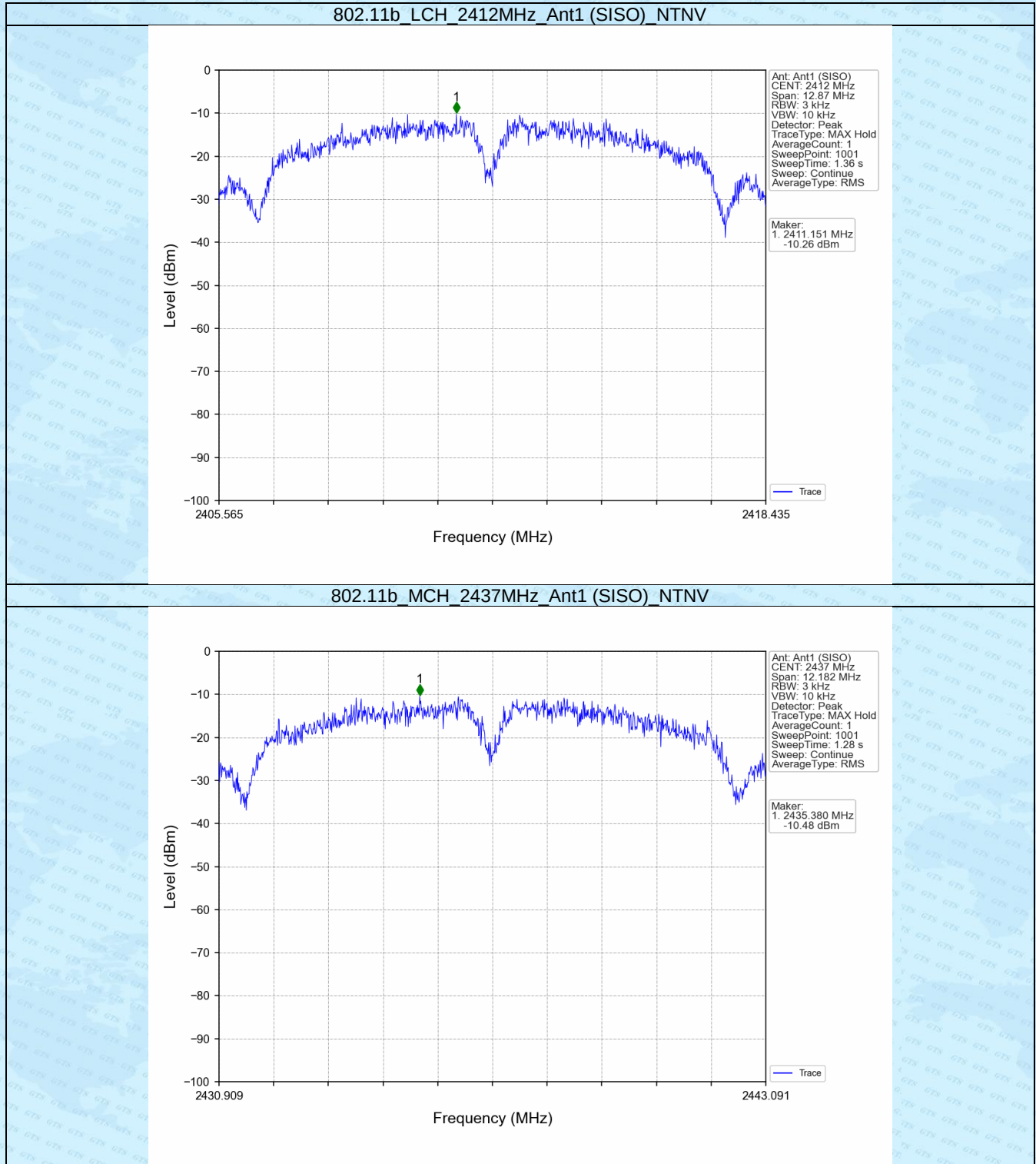
4. Maximum Power Spectral Density

4.1 PSD

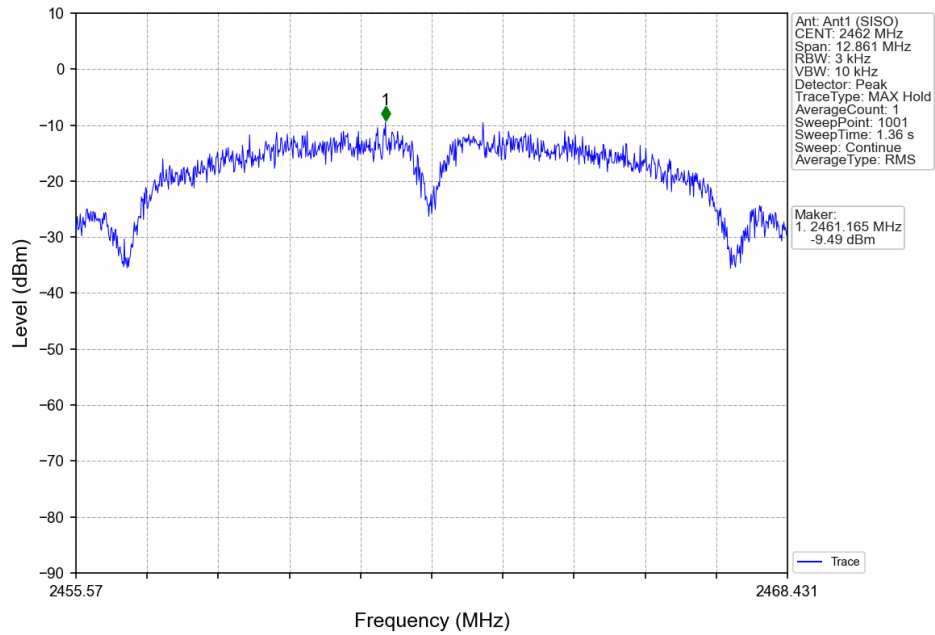
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.26	<=8	Pass
		2437	-10.48	<=8	Pass
		2462	-9.49	<=8	Pass
802.11g	SISO	2412	-11.57	<=8	Pass
		2437	-10.68	<=8	Pass
		2462	-10.05	<=8	Pass
802.11n (HT20)	SISO	2412	-12.22	<=8	Pass
		2437	-12.75	<=8	Pass
		2462	-11.54	<=8	Pass

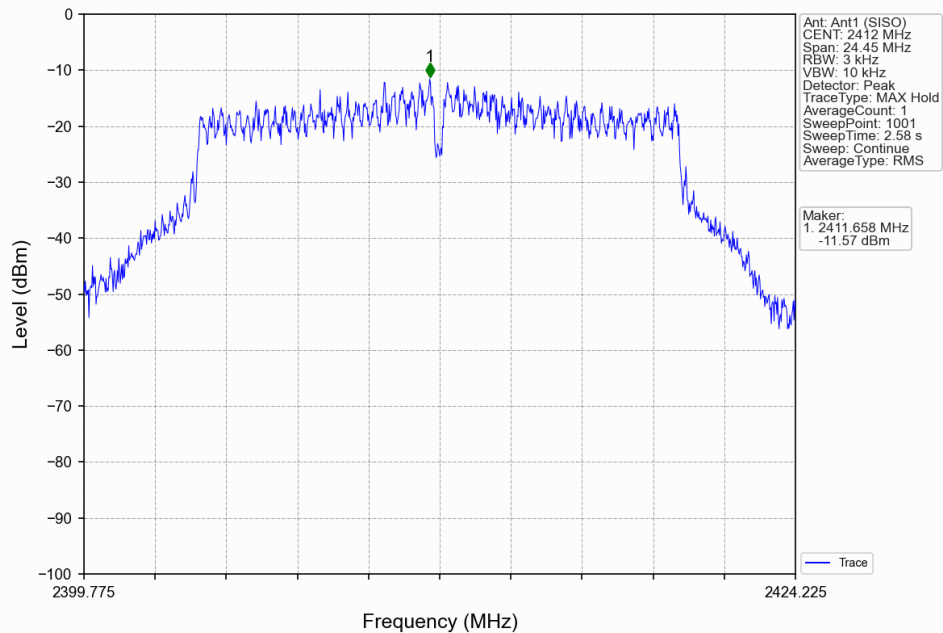
4.1.2 Test Graph



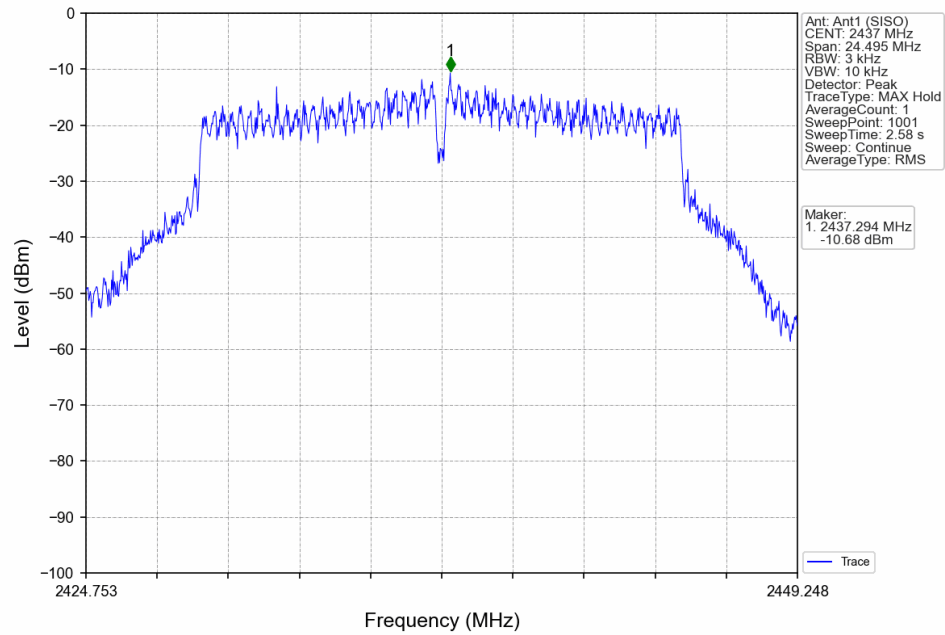
802.11b HCH 2462MHz Ant1 (SISO) NTNV



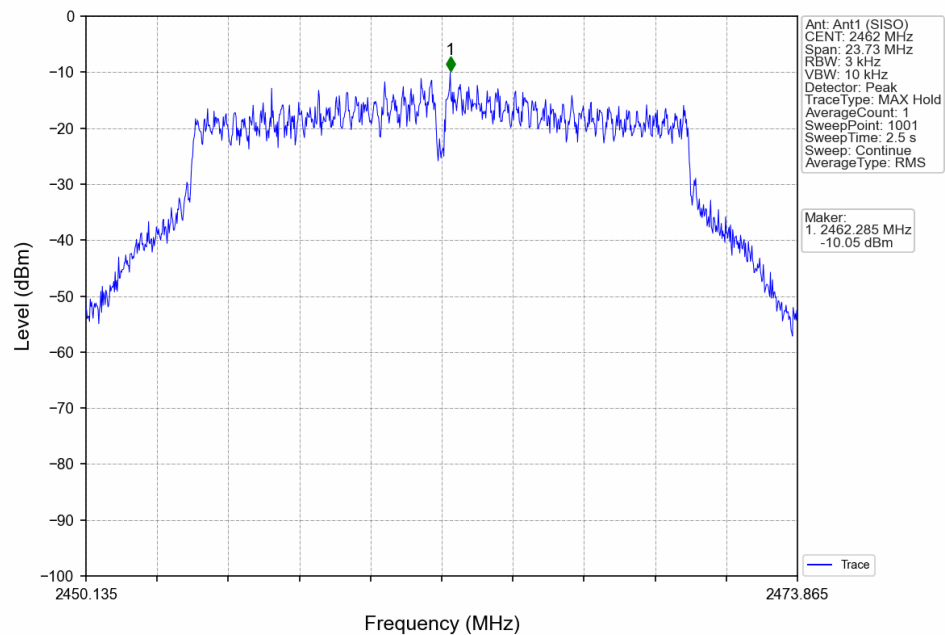
802.11g LCH 2412MHz Ant1 (SISO) NTNV



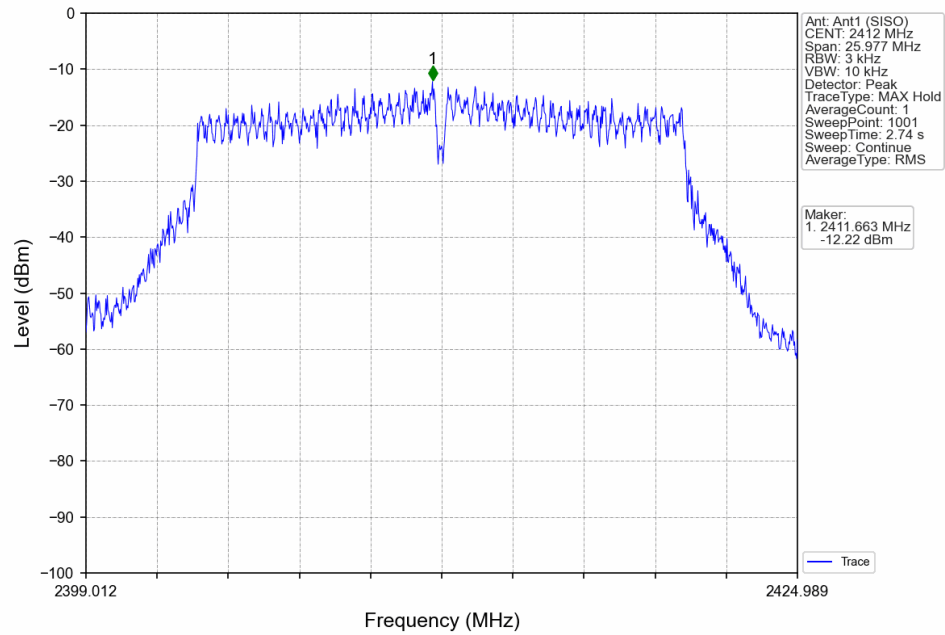
802.11g MCH 2437MHz Ant1 (SISO) NTV



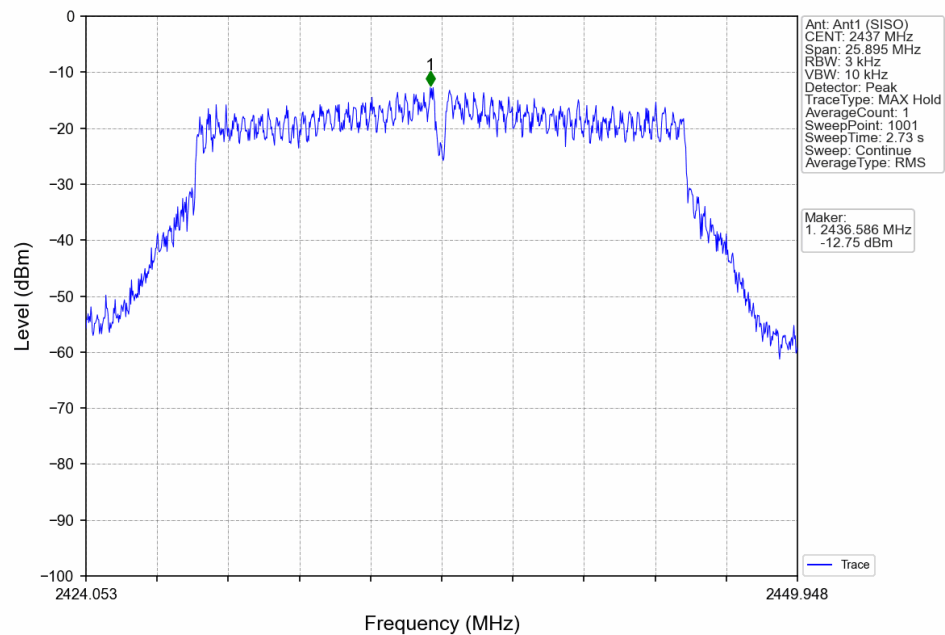
802.11g HCH 2462MHz Ant1 (SISO) NTV

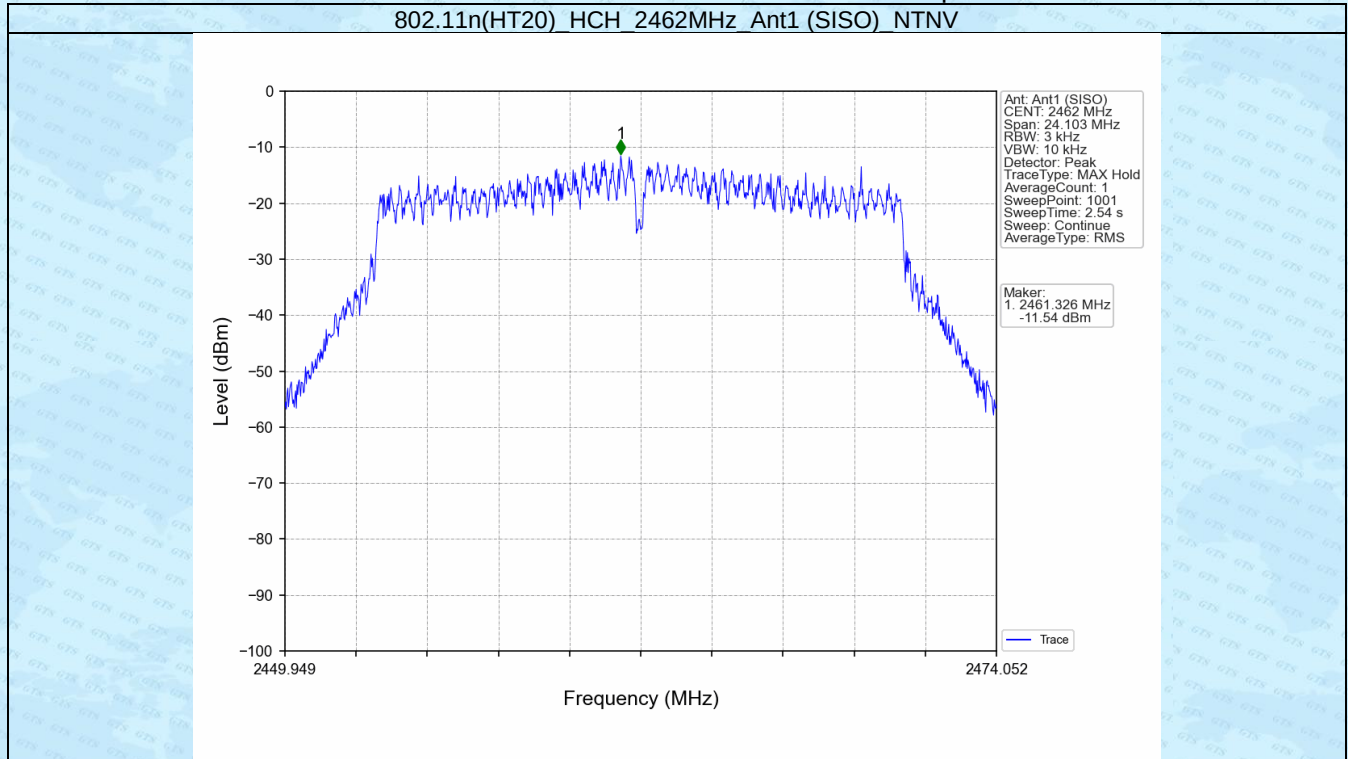


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



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





5. Unwanted Emissions In Non-restricted Frequency Bands

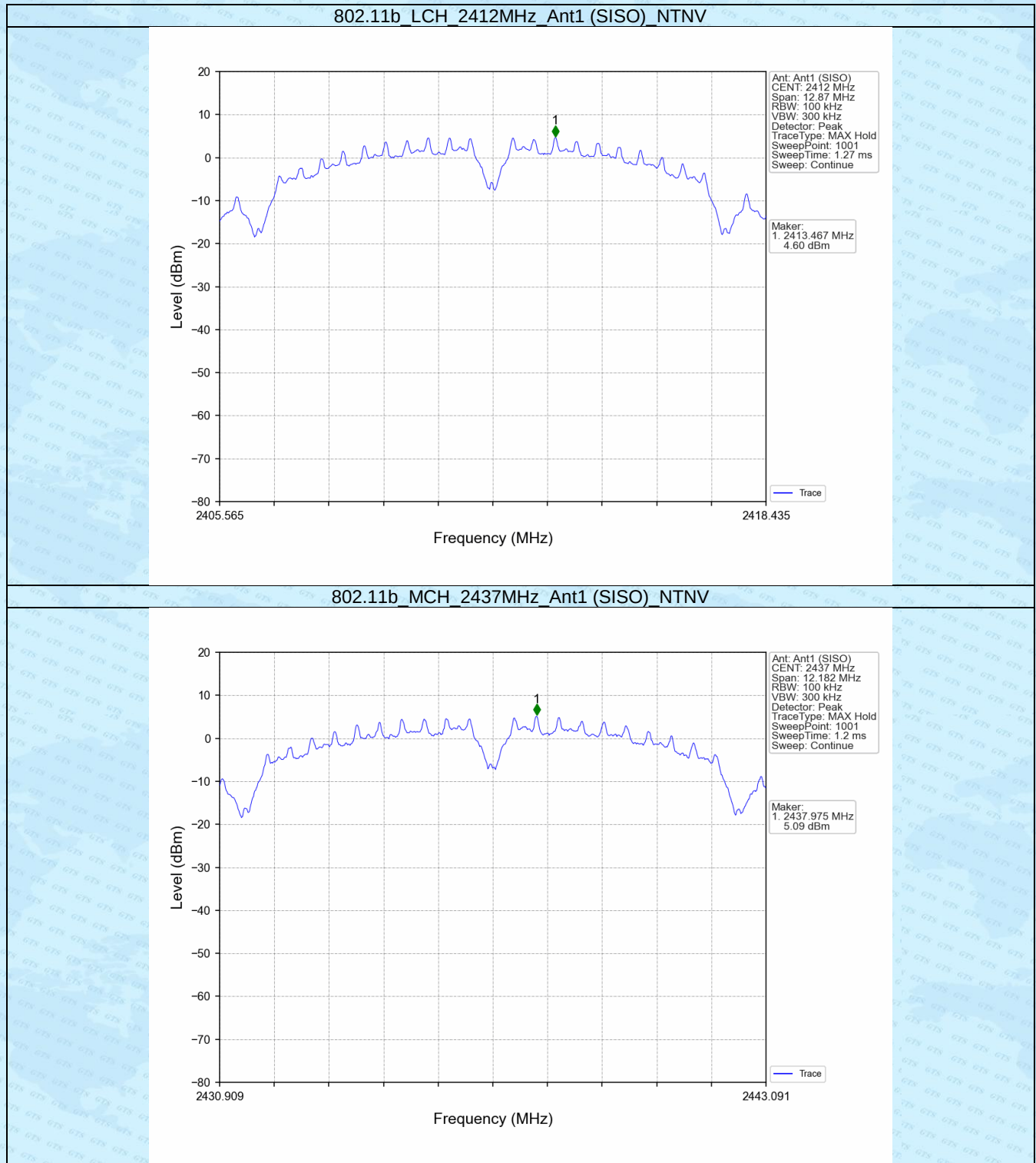
5.1 Ref

5.1.1 Test Result

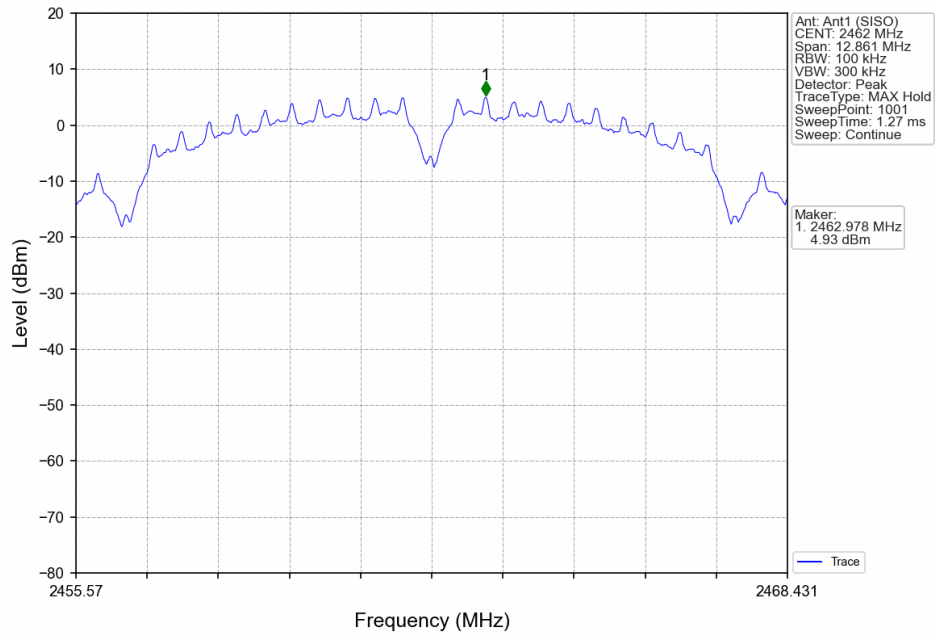
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.60
		2437	1	5.09
		2462	1	4.93
802.11g	SISO	2412	1	1.20
		2437	1	1.22
		2462	1	1.72
802.11n (HT20)	SISO	2412	1	1.09
		2437	1	1.21
		2462	1	1.82

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.

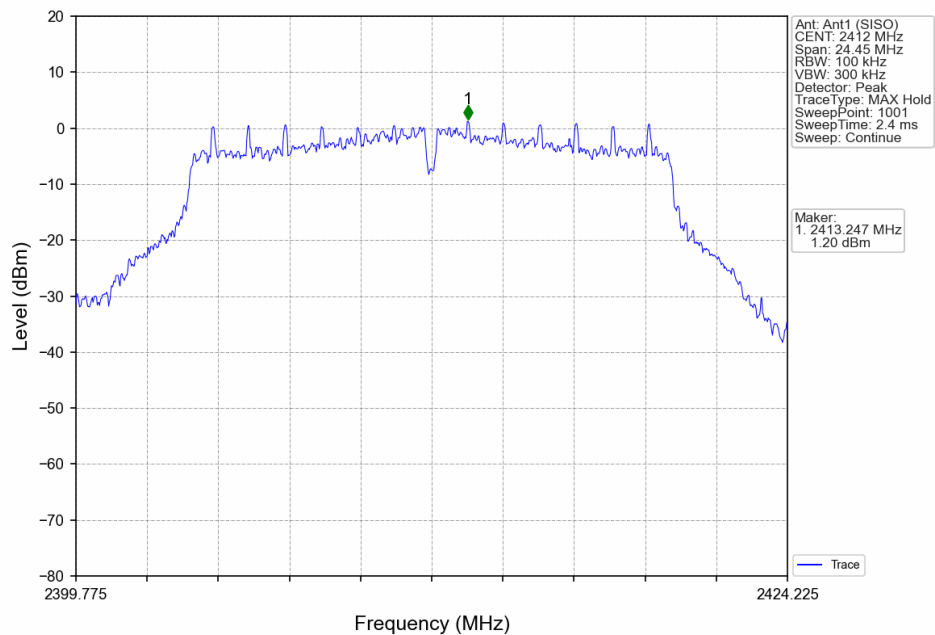
5.1.2 Test Graph



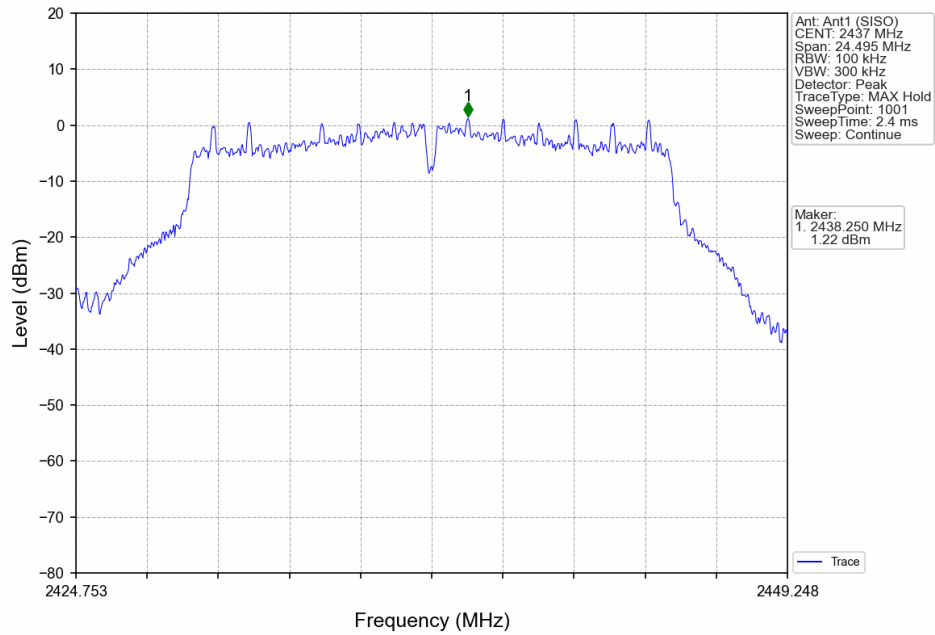
802.11b HCH 2462MHz Ant1 (SISO) NTN



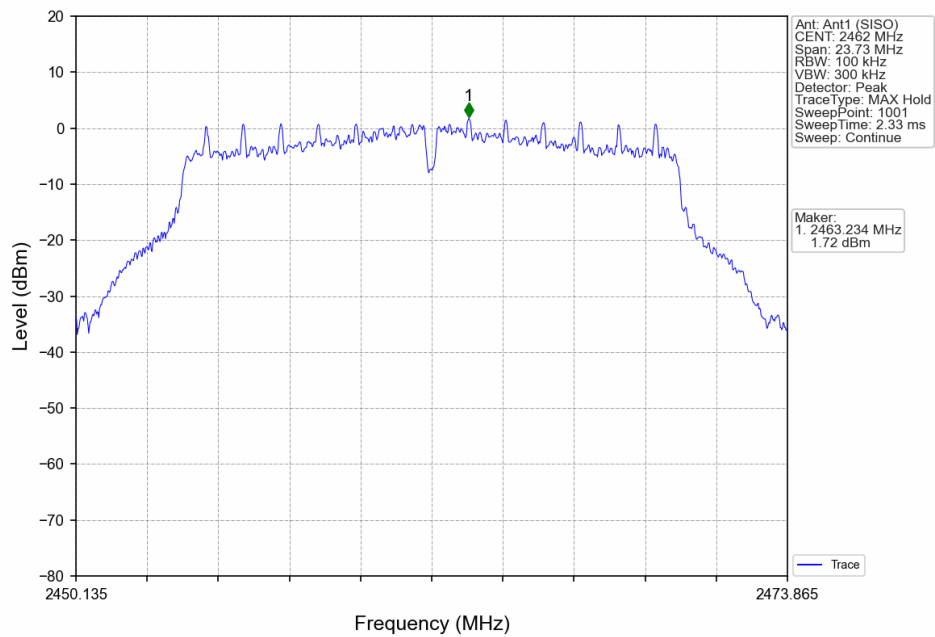
802.11g LCH 2412MHz Ant1 (SISO) NTN



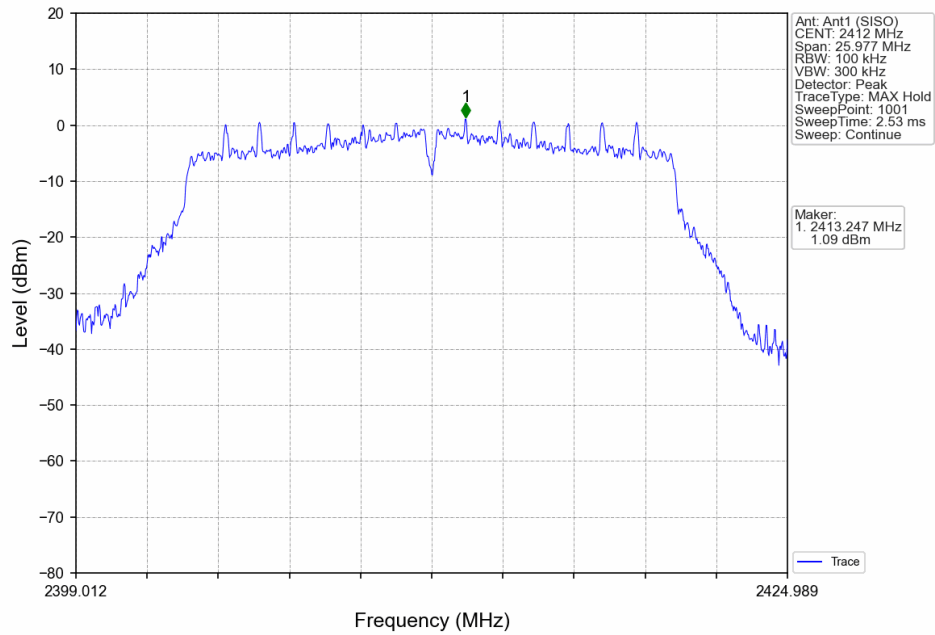
802.11g MCH 2437MHz Ant1 (SISO) NTV



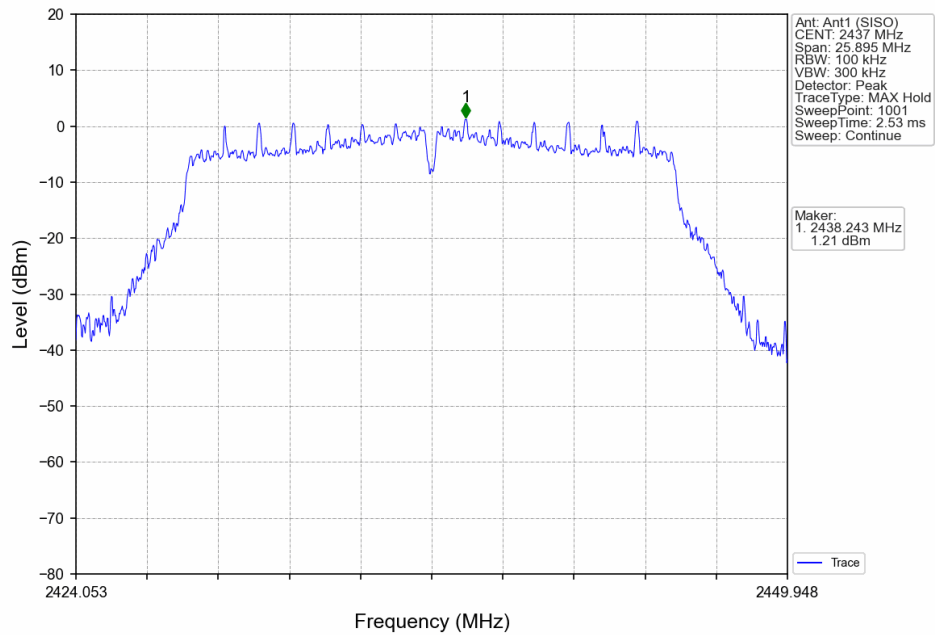
802.11g HCH 2462MHz Ant1 (SISO) NTV

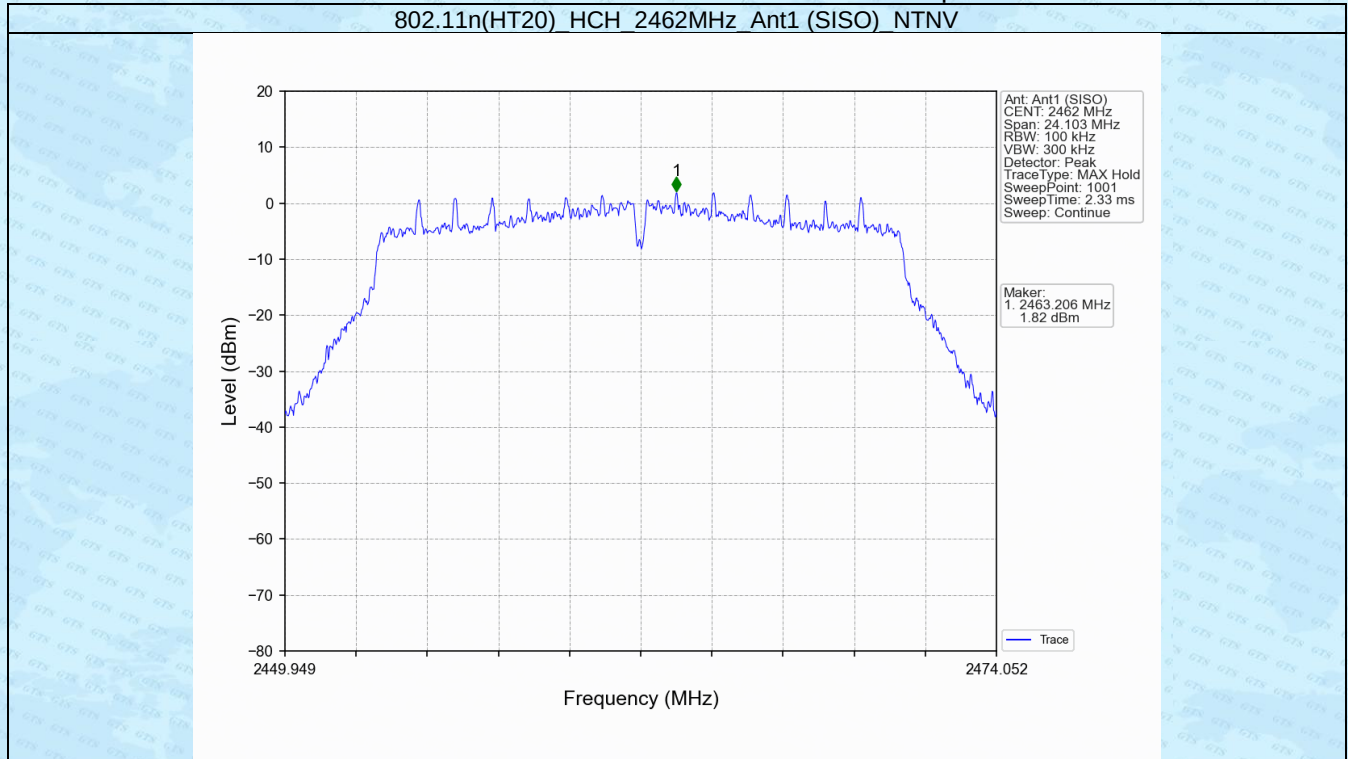


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



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





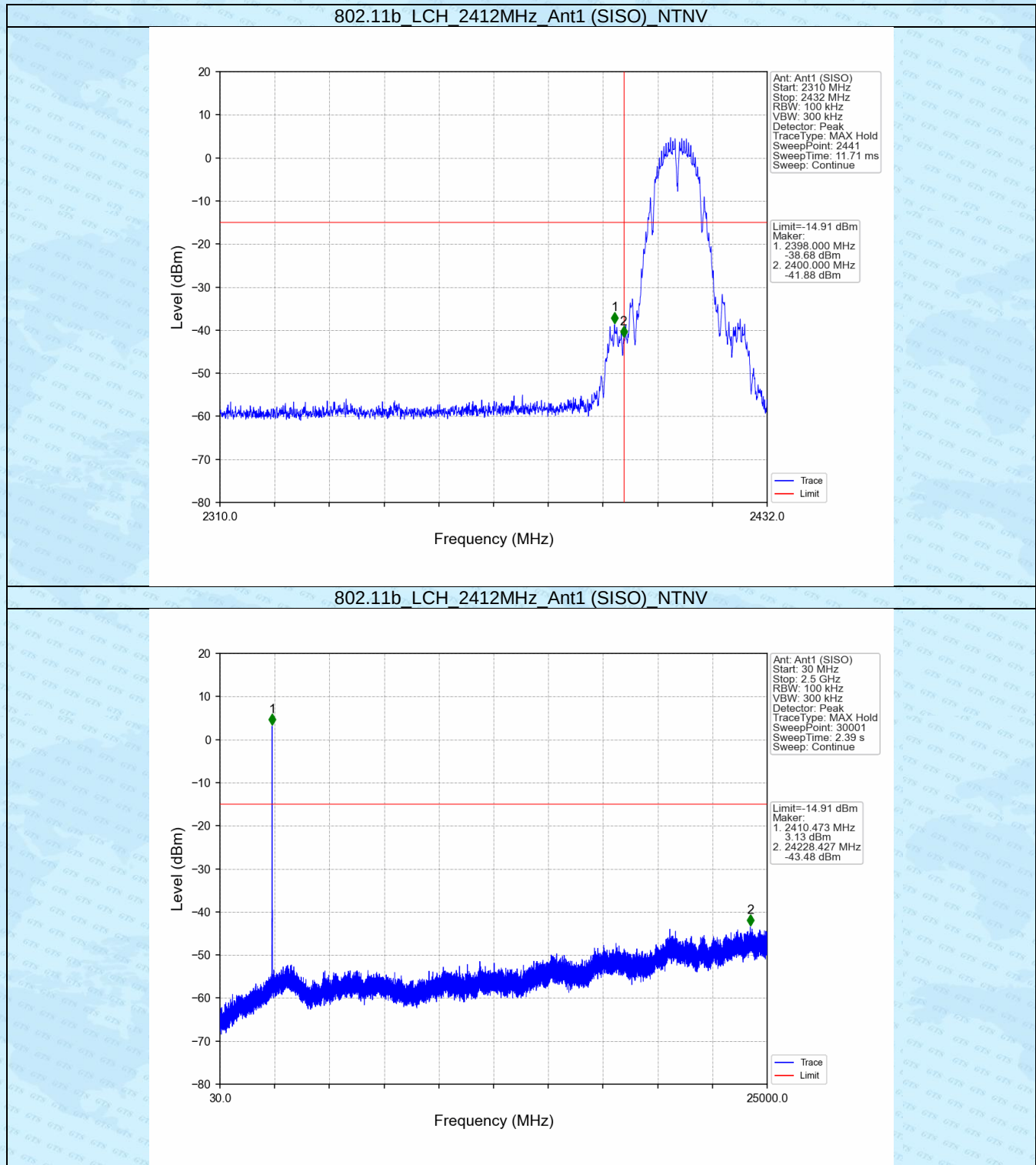
5.2 CSE

5.2.1 Test Result

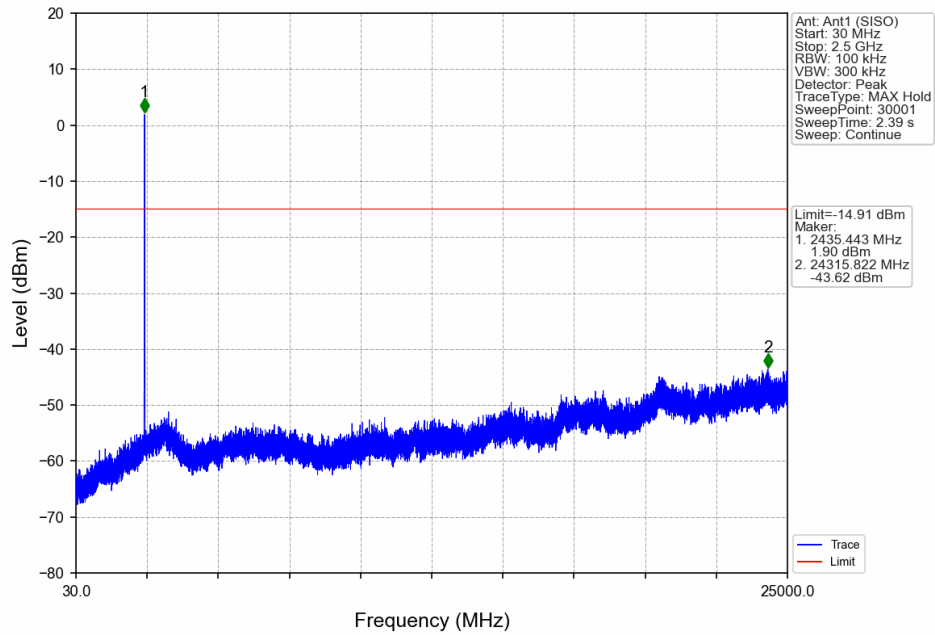
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.09	-14.91	Pass
		2437	1	5.09	-14.91	Pass
		2462	1	5.09	-14.91	Pass
802.11g	SISO	2412	1	1.72	-18.28	Pass
		2437	1	1.72	-18.28	Pass
		2462	1	1.72	-18.28	Pass
802.11n (HT20)	SISO	2412	1	1.82	-18.18	Pass
		2437	1	1.82	-18.18	Pass
		2462	1	1.82	-18.18	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.

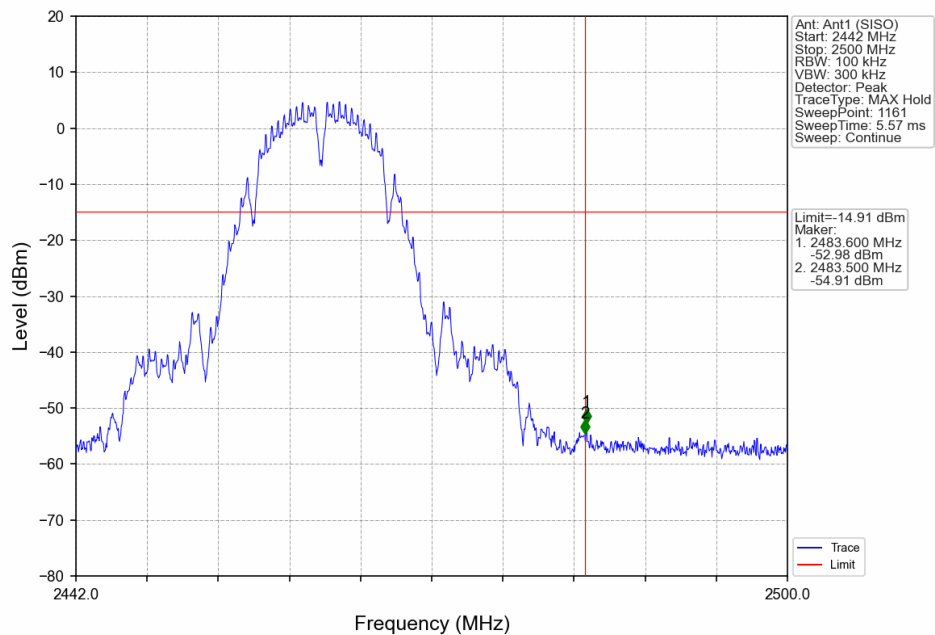
5.2.2 Test Graph



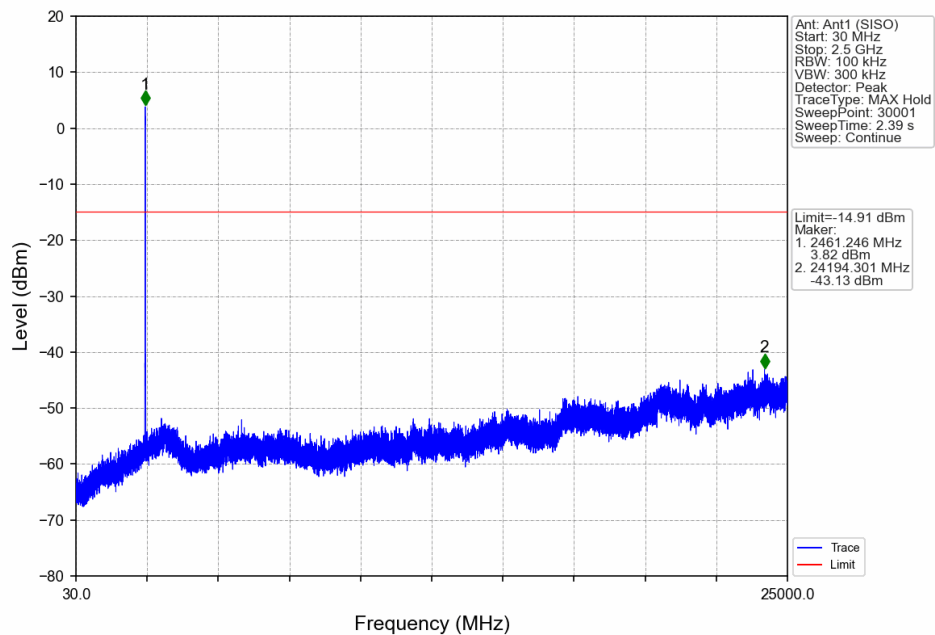
802.11b MCH 2437MHz Ant1 (SISO) NTV



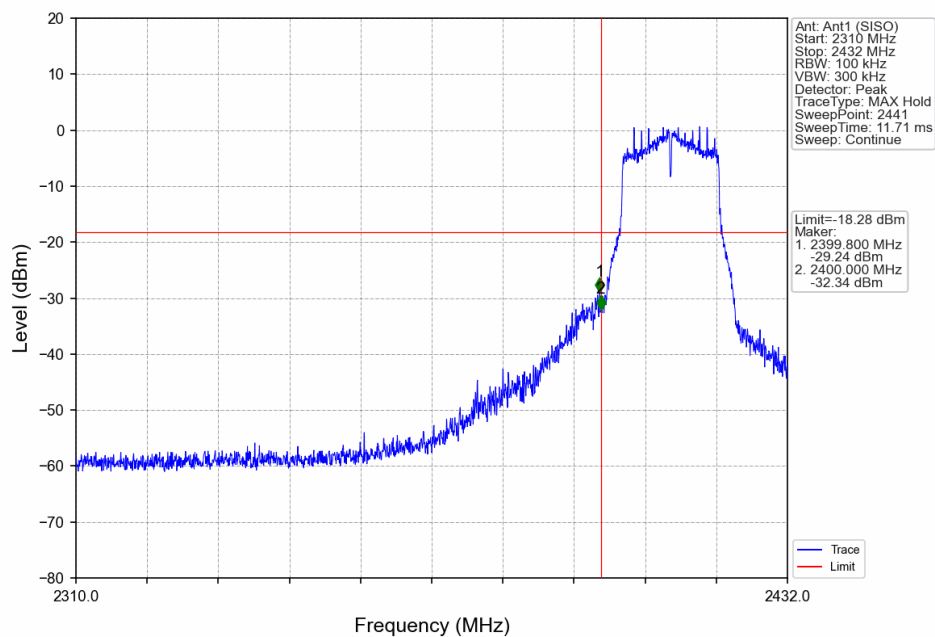
802.11b HCH 2462MHz Ant1 (SISO) NTV



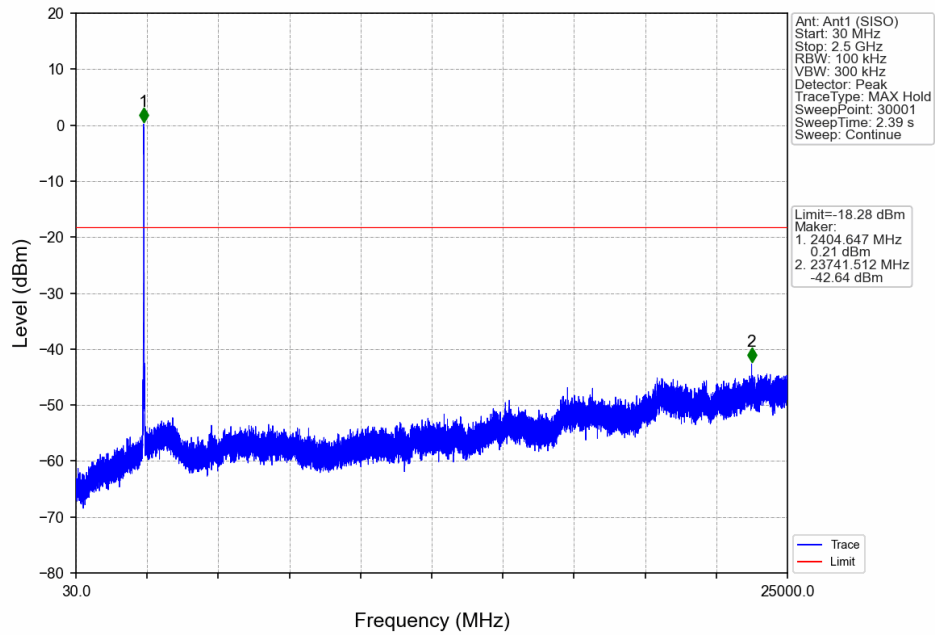
802.11b HCH 2462MHz Ant1 (SISO) NTNV



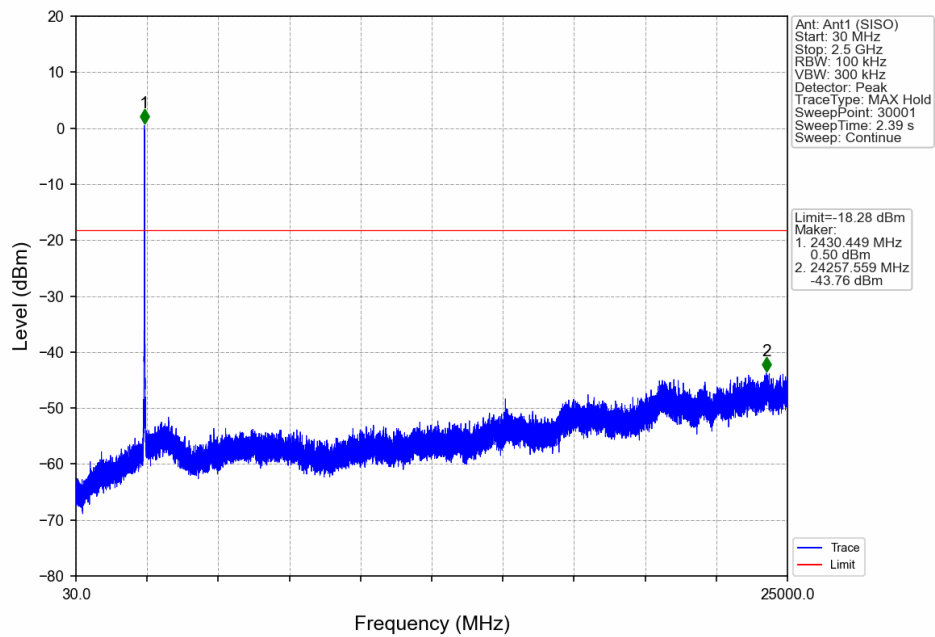
802.11g LCH 2412MHz Ant1 (SISO) NTNV



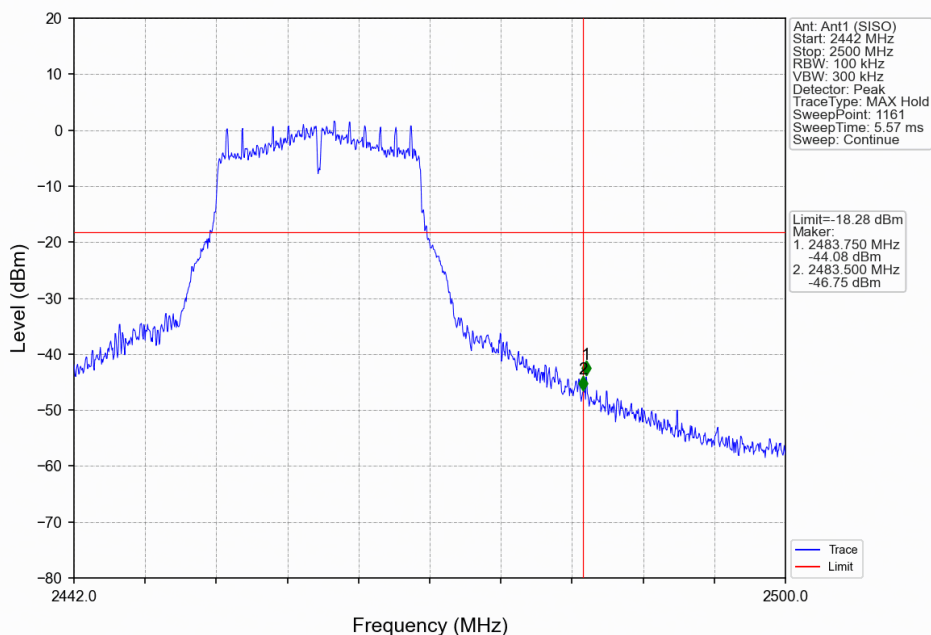
802.11g LCH 2412MHz Ant1 (SISO) NTNV



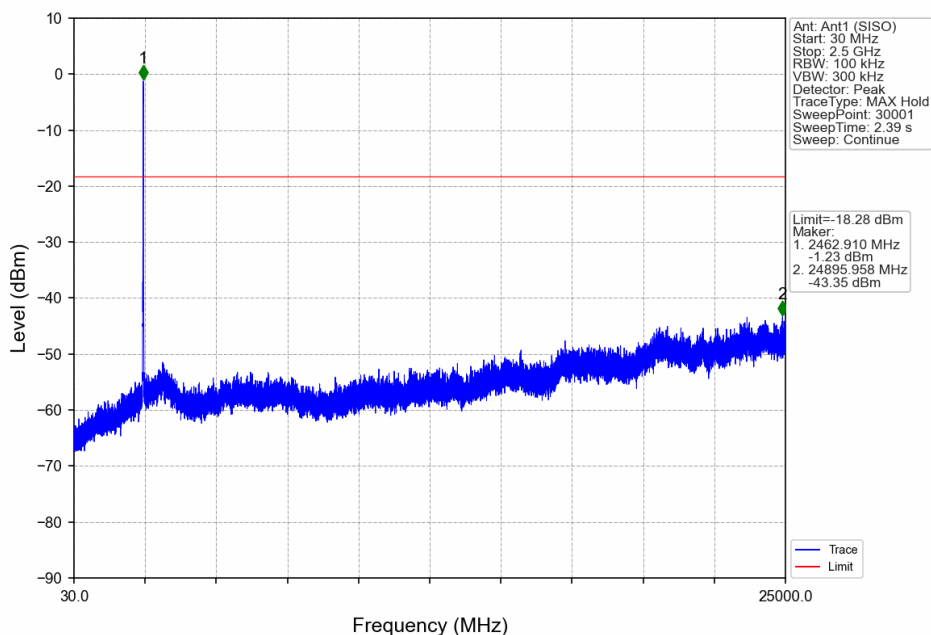
802.11g MCH 2437MHz Ant1 (SISO) NTNV



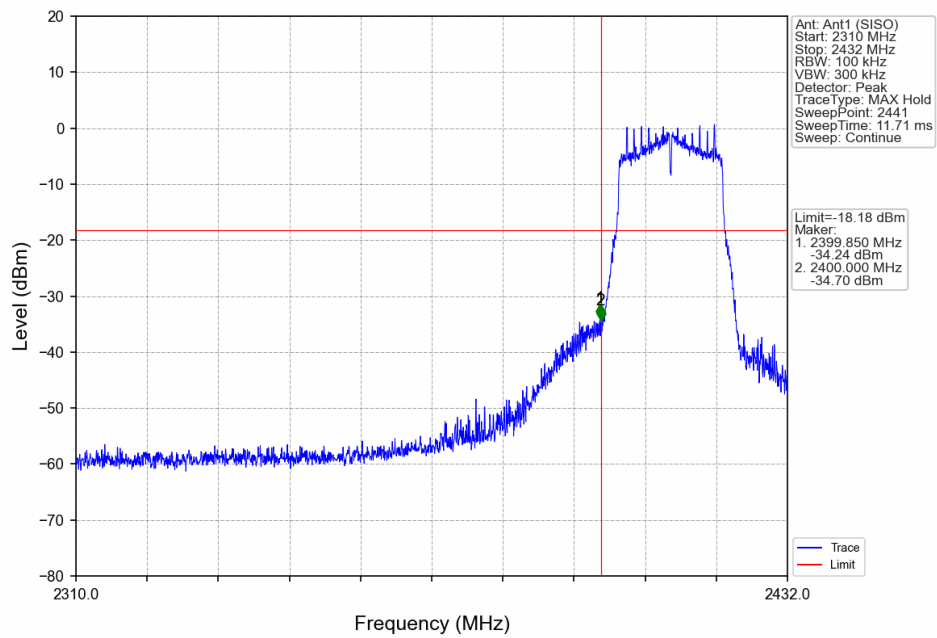
802.11g HCH 2462MHz Ant1 (SISO) NTN



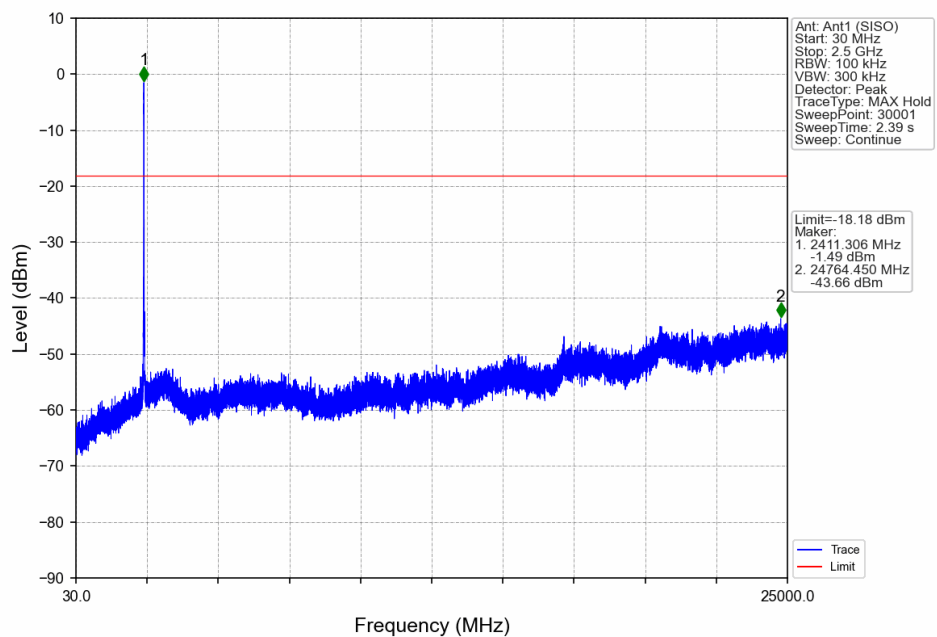
802.11g HCH 2462MHz Ant1 (SISO) NTN



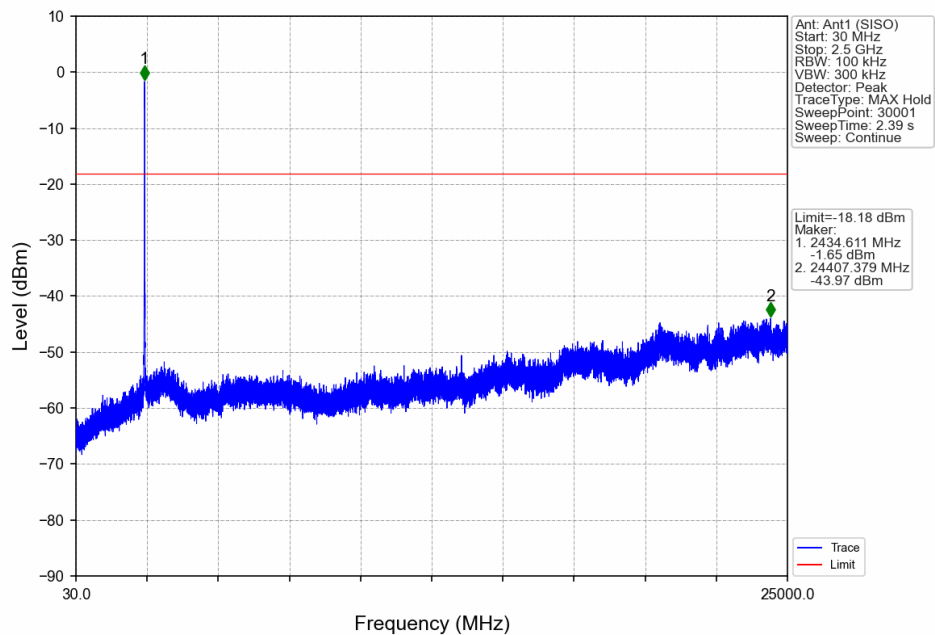
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



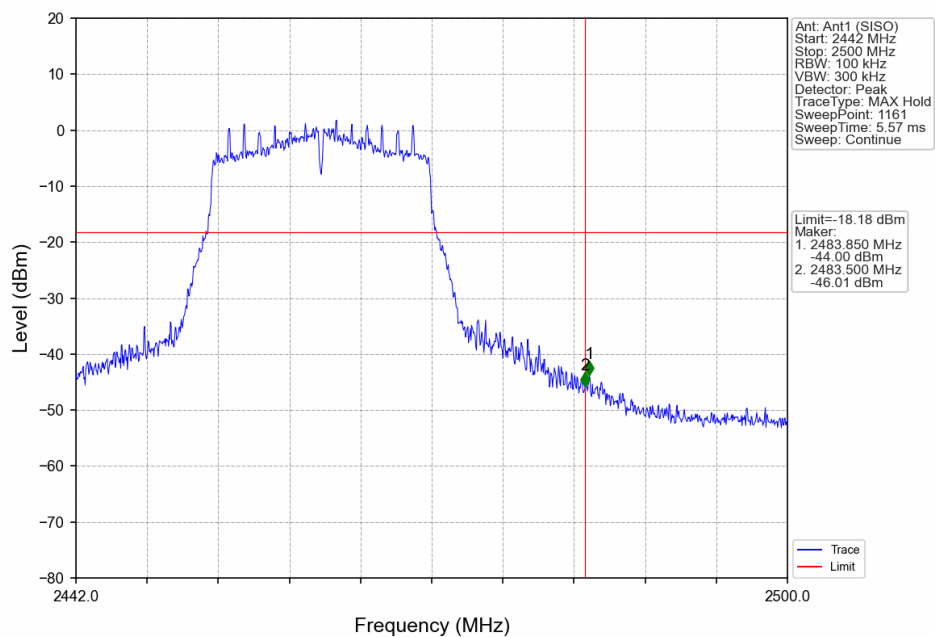
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV

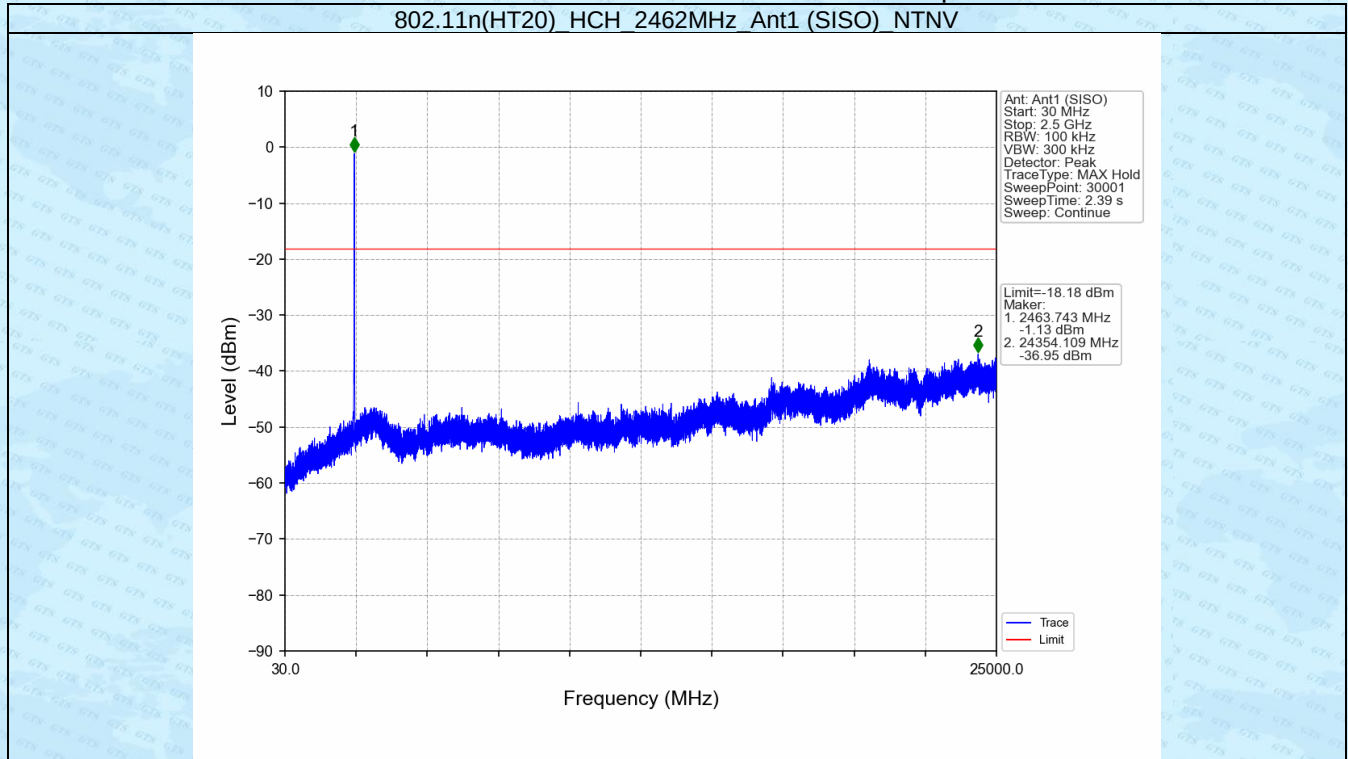


802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTN



802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN





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