

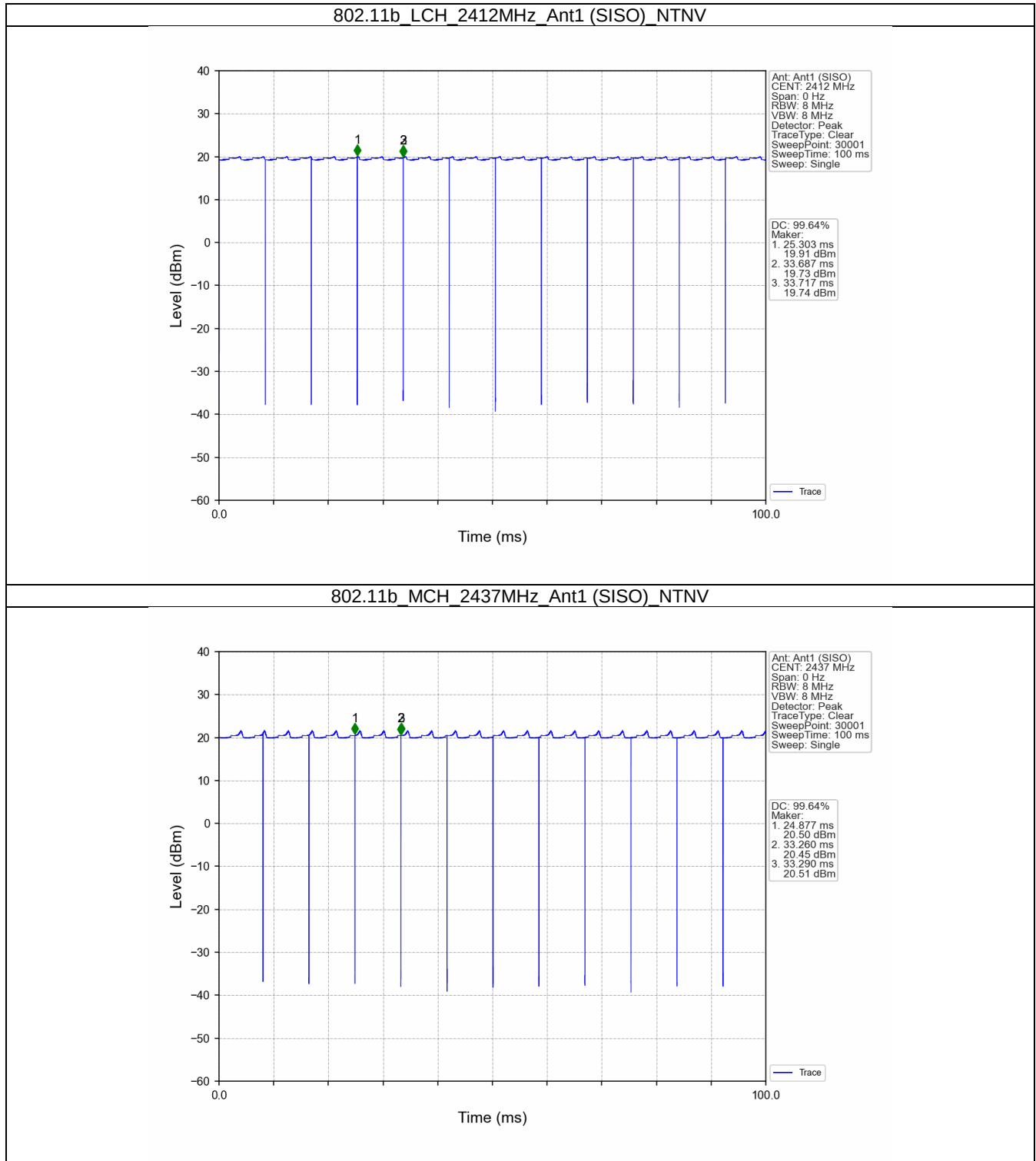
1. Duty Cycle

1.1 Ant1

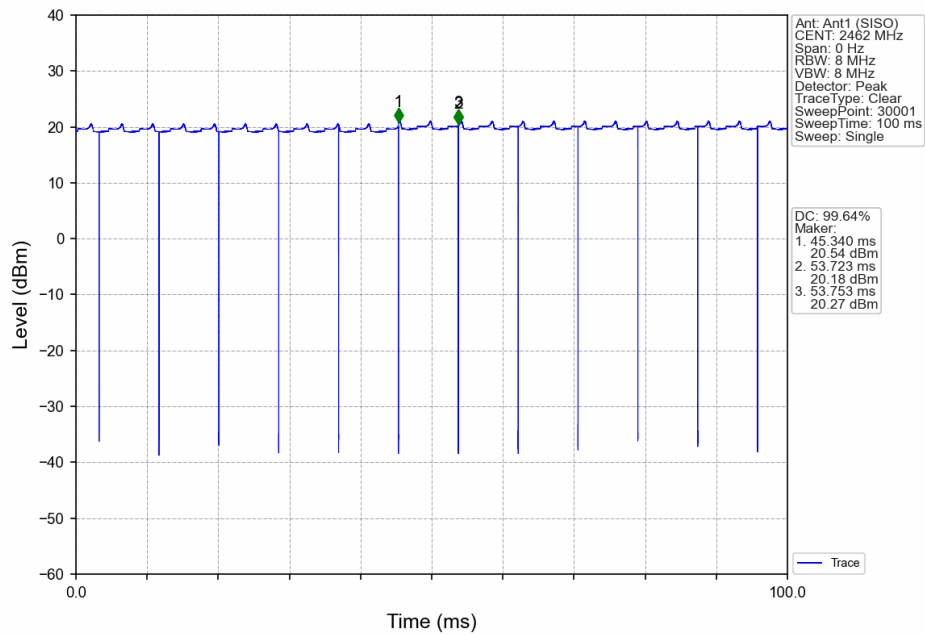
1.1.1 Test Result

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	8.384	8.414	99.64	0.02	0.04
		2437	8.383	8.413	99.64	0.02	0.04
		2462	8.383	8.413	99.64	0.02	0.04
802.11g	SISO	2412	1.393	1.428	97.55	0.11	0.10
		2437	1.393	1.428	97.55	0.11	0.03
		2462	1.394	1.428	97.62	0.10	0.03
802.11n (HT20)	SISO	2412	1.289	1.324	97.36	0.12	0.07
		2437	1.289	1.324	97.36	0.12	0.04
		2462	1.290	1.324	97.43	0.11	0.03
802.11n (HT40)	SISO	2422	0.637	0.671	94.93	0.23	0.13
		2437	0.636	0.671	94.78	0.23	0.07
		2452	0.637	0.671	94.93	0.23	0.04

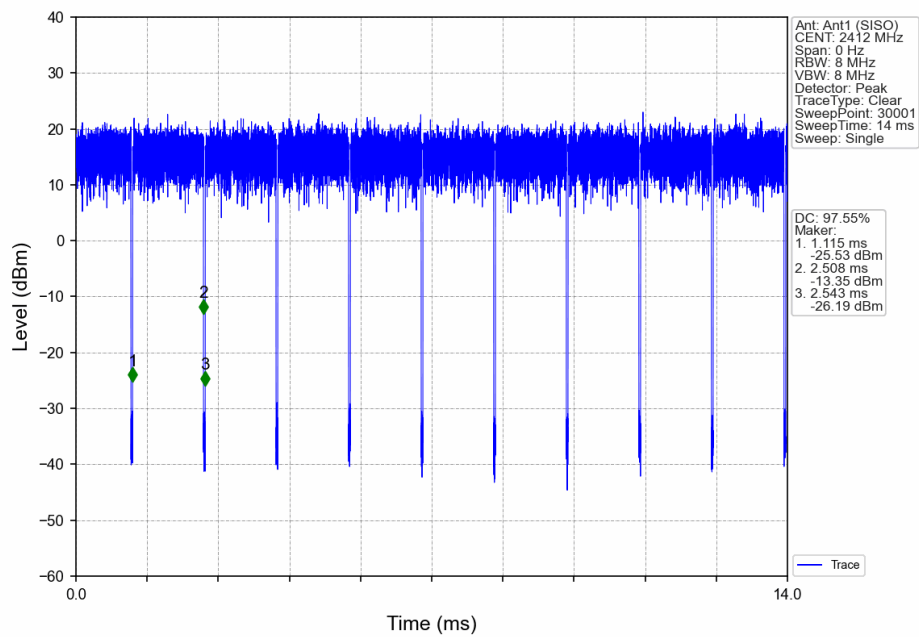
1.1.2 Test Graph



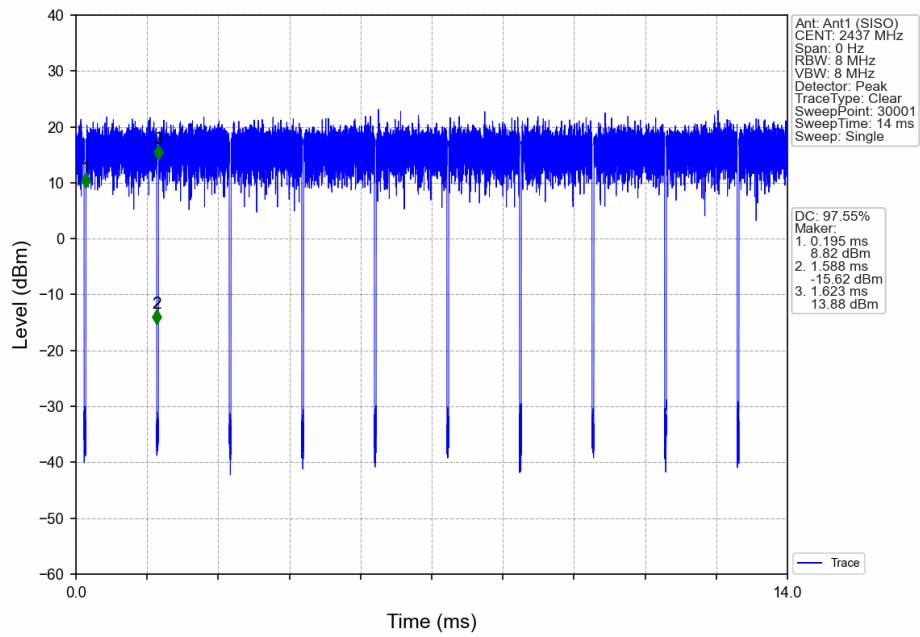
802.11b HCH 2462MHz Ant1 (SISO) NTN



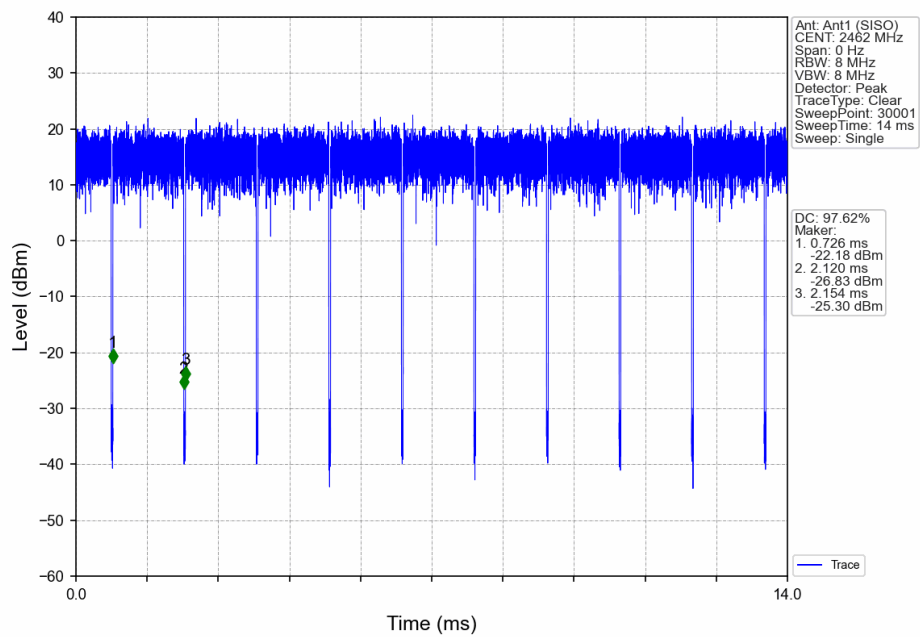
802.11g LCH 2412MHz Ant1 (SISO) NTN



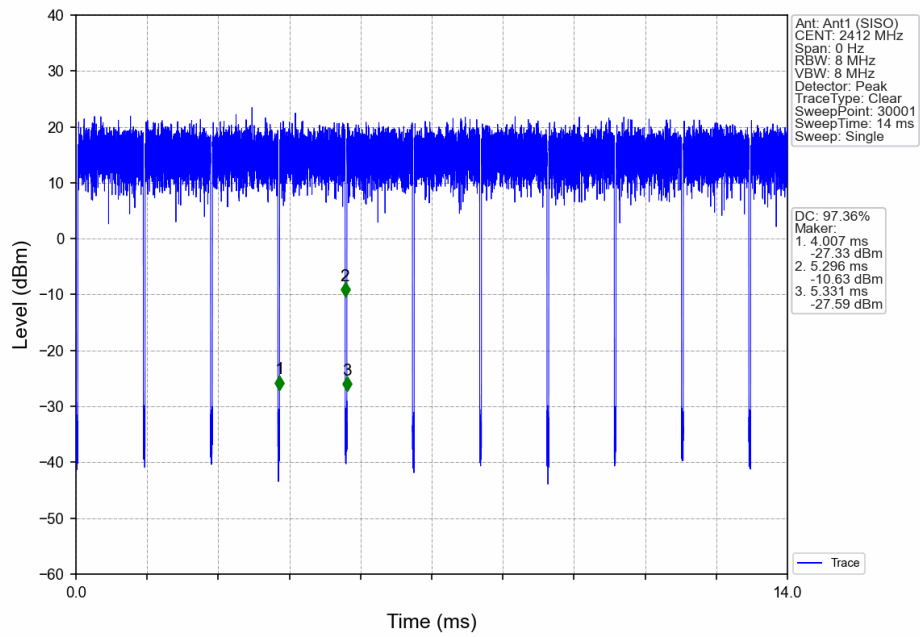
802.11g MCH 2437MHz Ant1 (SISO) NTNV



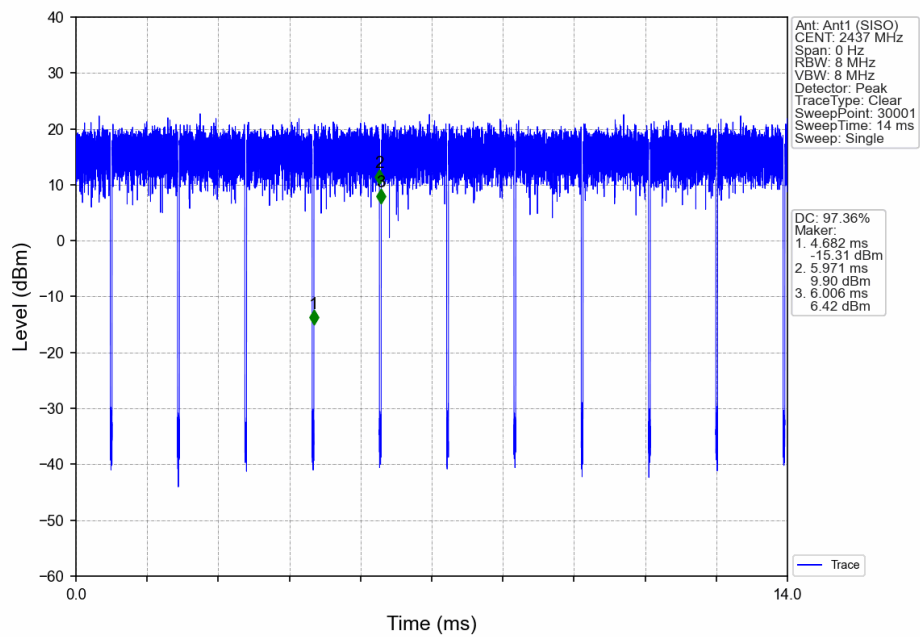
802.11g HCH 2462MHz Ant1 (SISO) NTNV



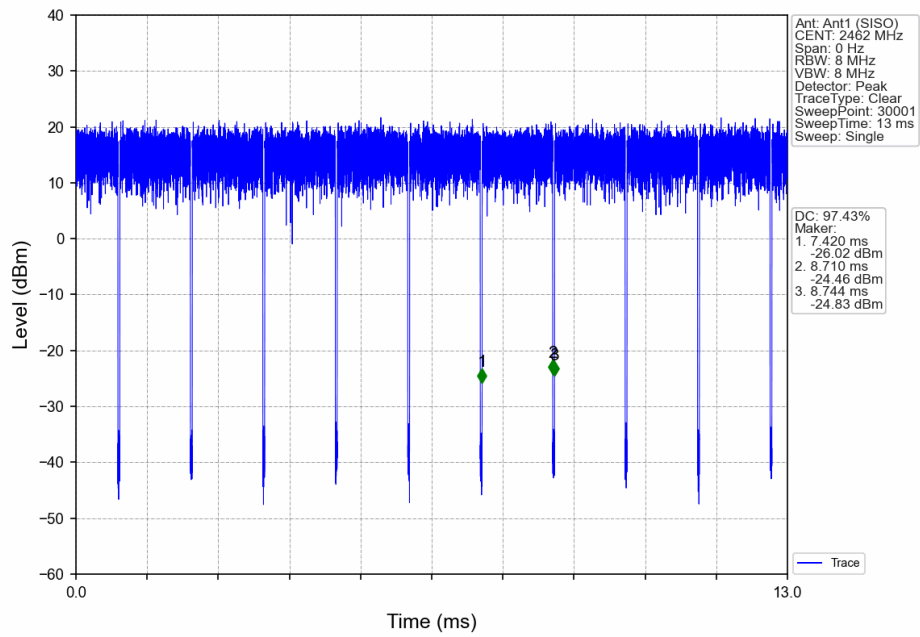
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



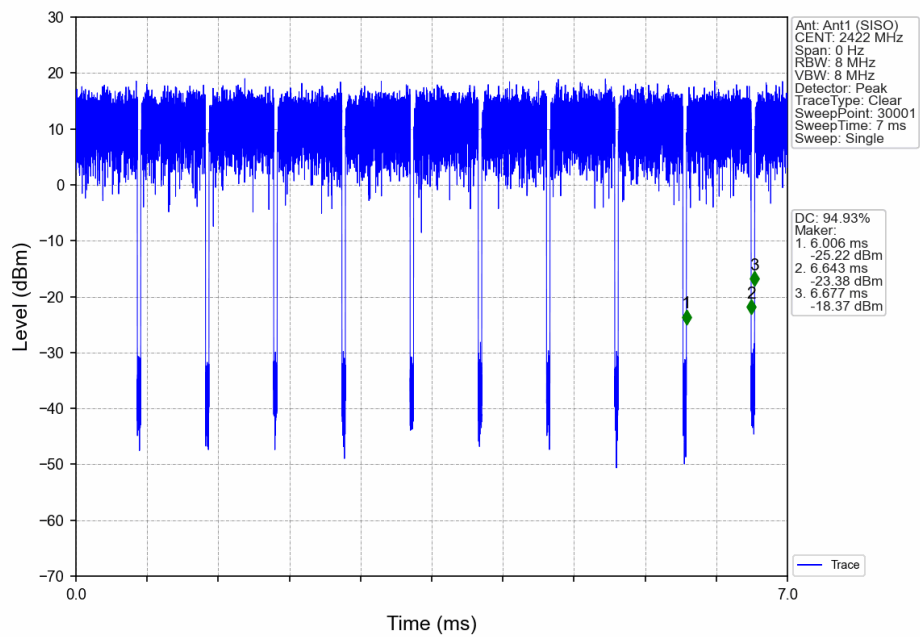
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



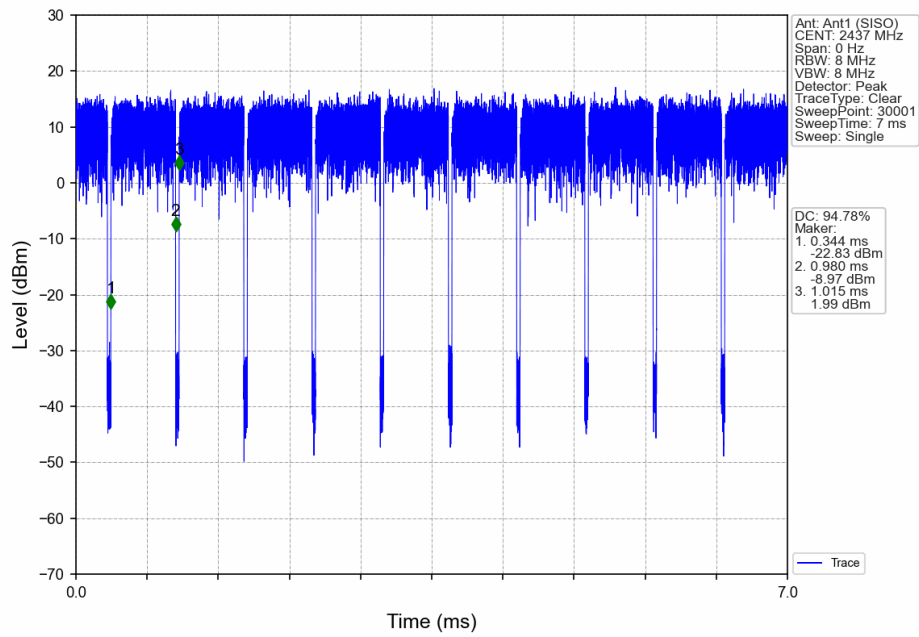
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



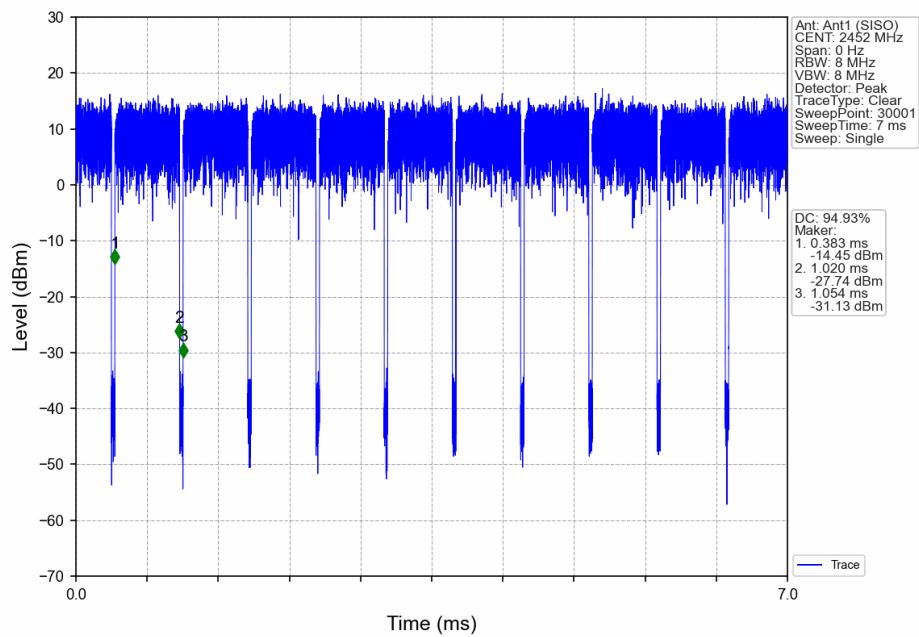
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



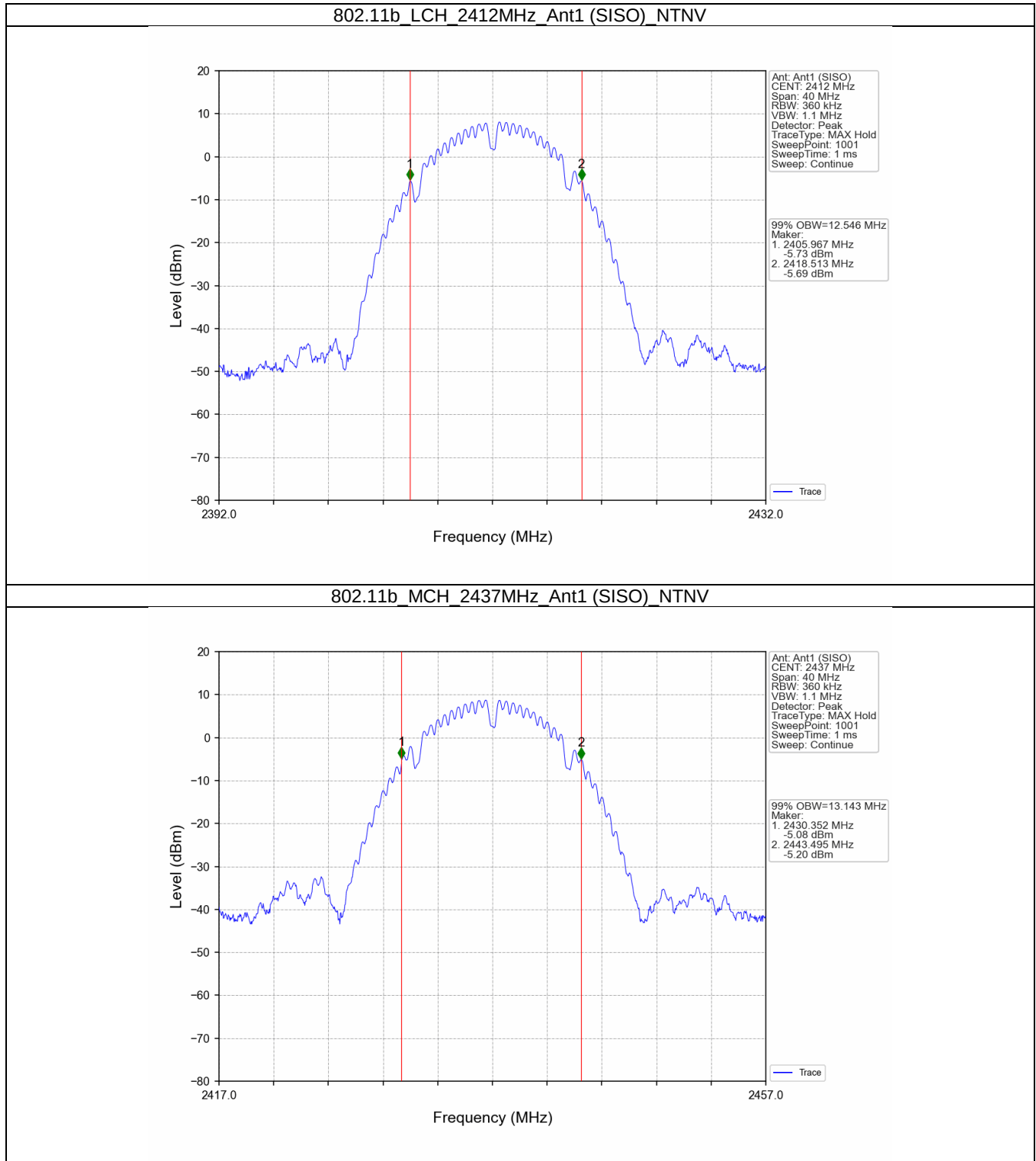
2. Bandwidth

2.1 OBW

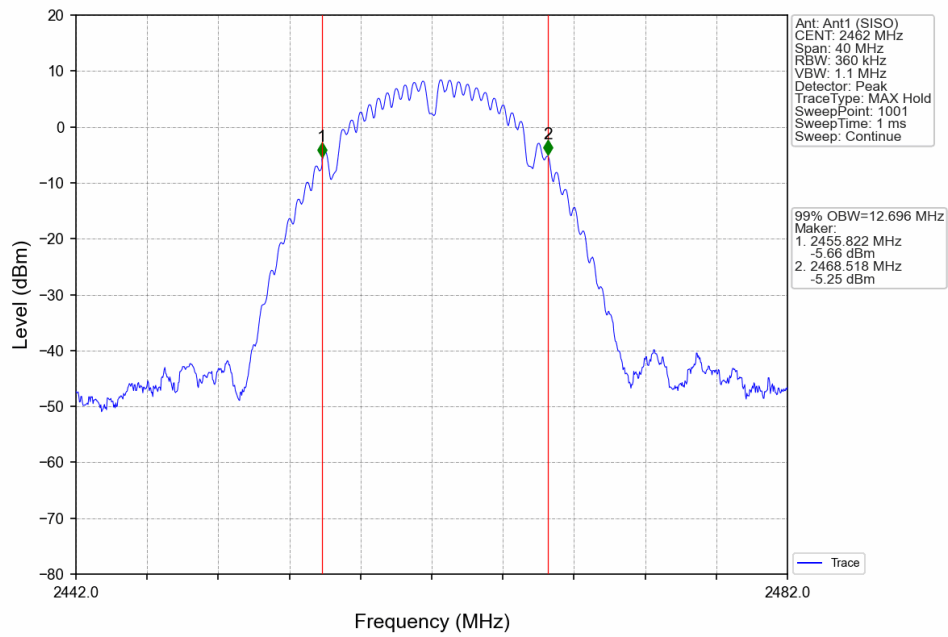
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.546	/	Pass
		2437	1	13.143	/	Pass
		2462	1	12.696	/	Pass
802.11g	SISO	2412	1	17.956	/	Pass
		2437	1	17.634	/	Pass
		2462	1	17.667	/	Pass
802.11n (HT20)	SISO	2412	1	18.517	/	Pass
		2437	1	18.466	/	Pass
		2462	1	18.504	/	Pass
802.11n (HT40)	SISO	2422	1	35.983	/	Pass
		2437	1	37.208	/	Pass
		2452	1	37.165	/	Pass

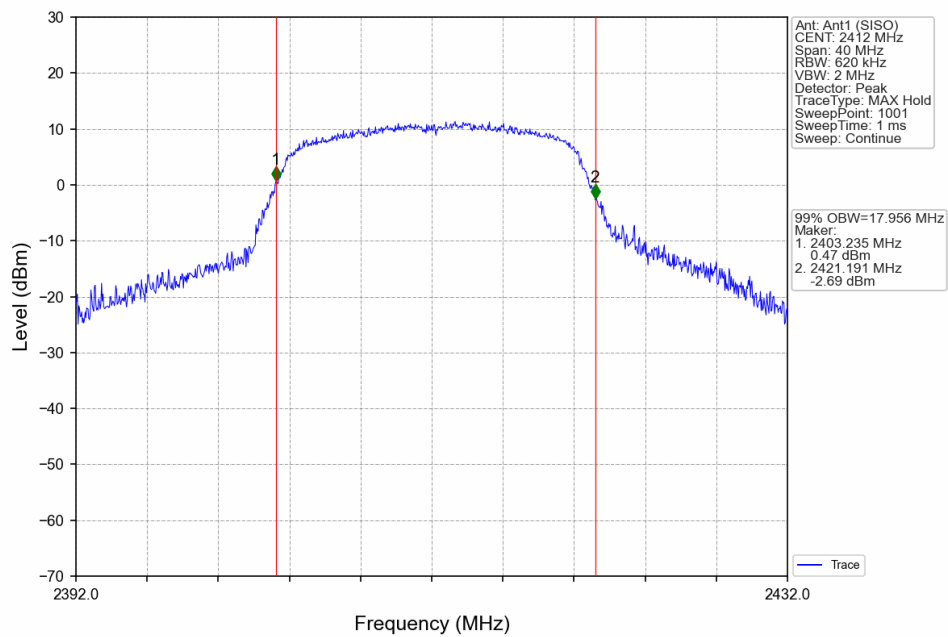
2.1.2 Test Graph



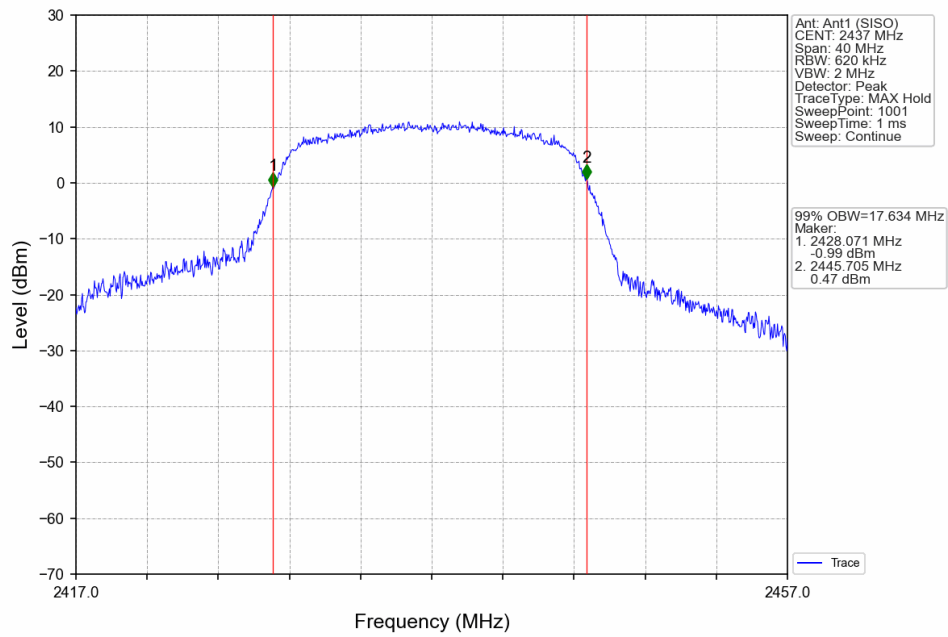
802.11b HCH 2462MHz Ant1 (SISO) NTN



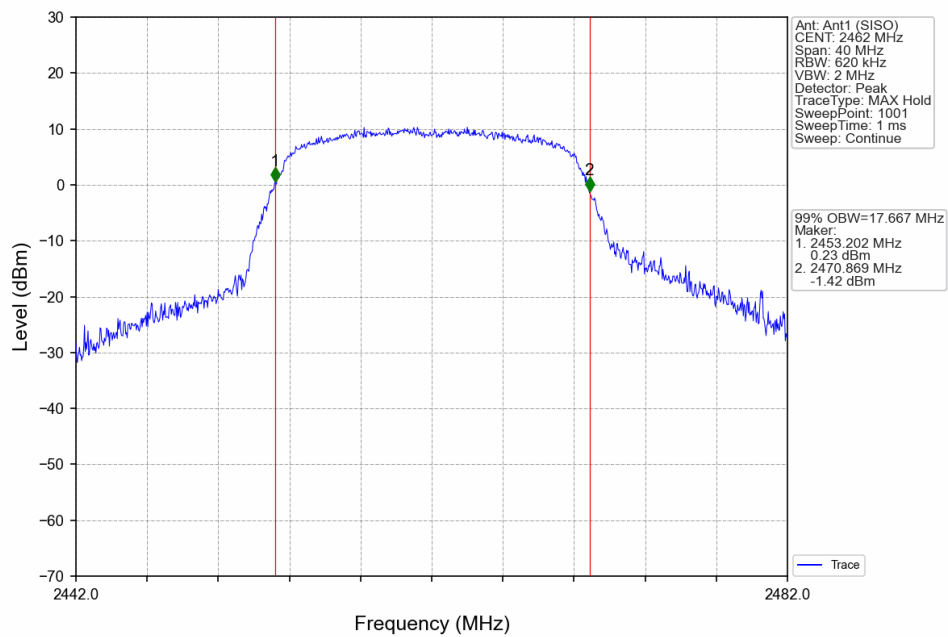
802.11g LCH 2412MHz Ant1 (SISO) NTN



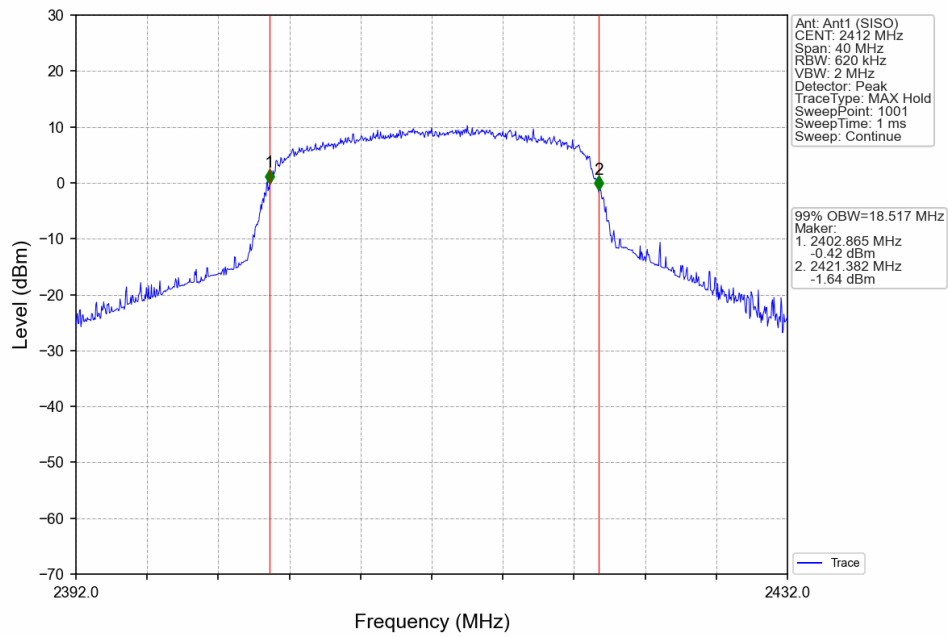
802.11g MCH 2437MHz Ant1 (SISO) NTNV



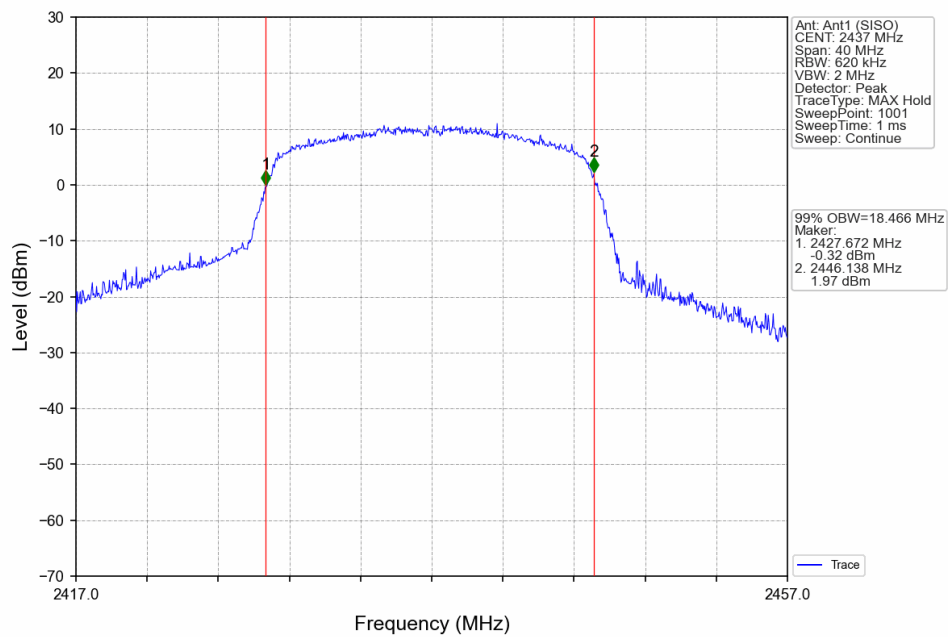
802.11g HCH 2462MHz Ant1 (SISO) NTNV



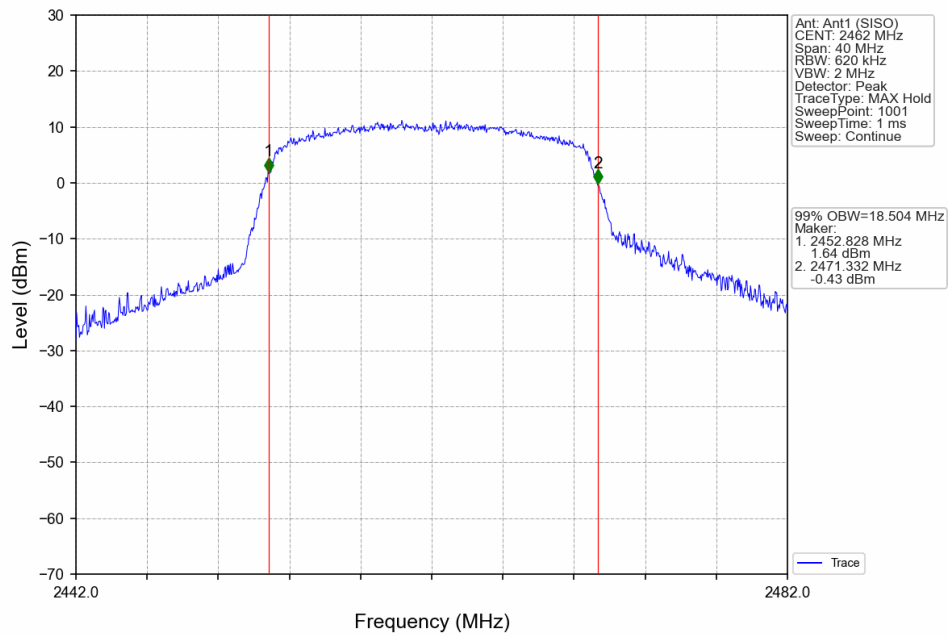
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



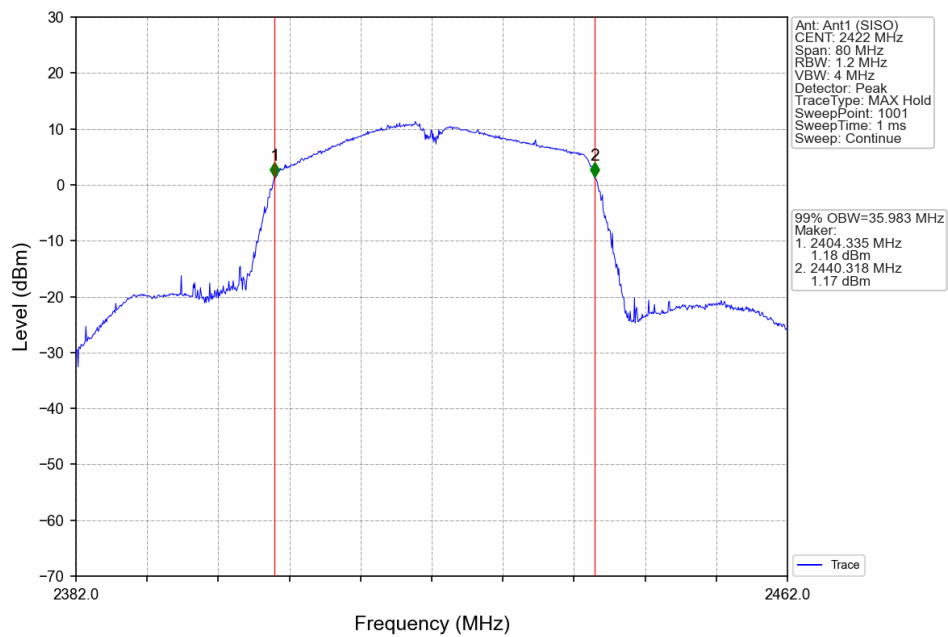
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



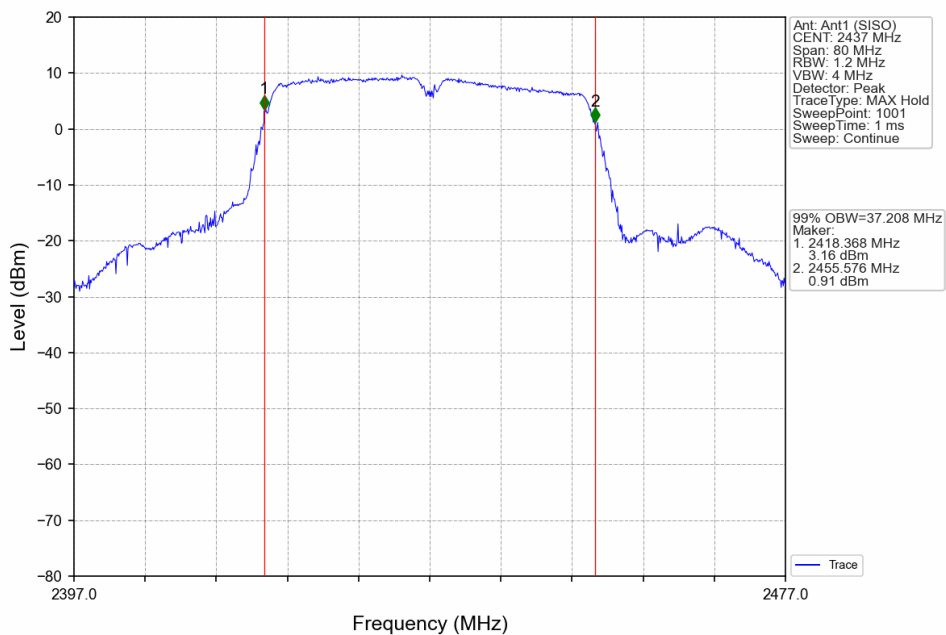
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



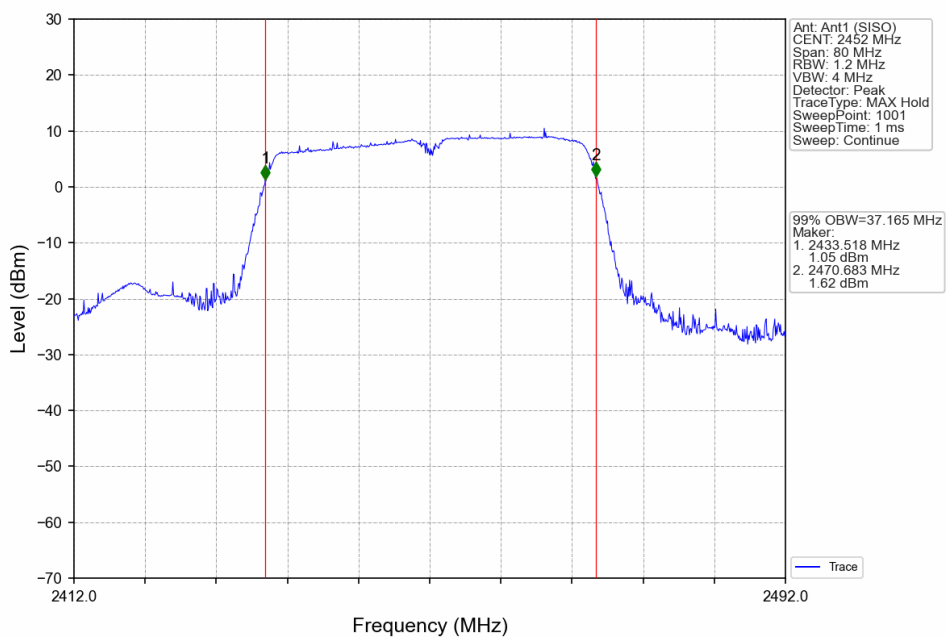
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

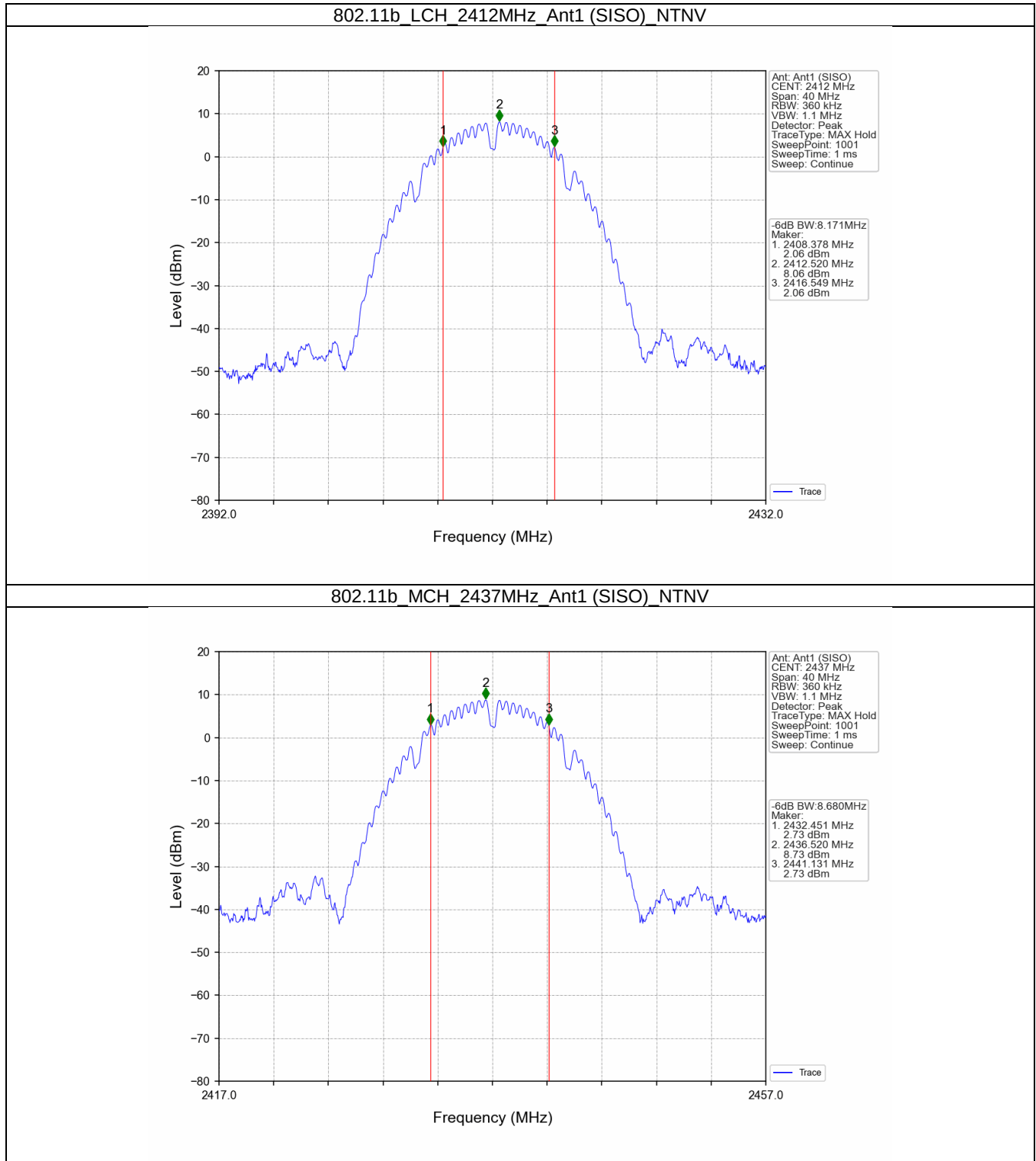


2.2 6dB BW

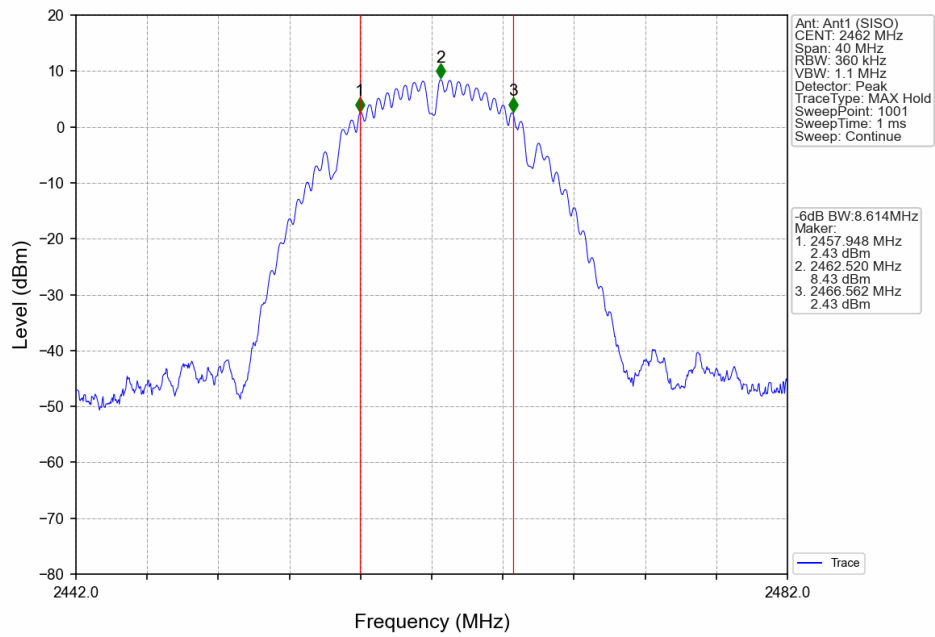
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.171	≥ 0.5	Pass
		2437	1	8.680	≥ 0.5	Pass
		2462	1	8.614	≥ 0.5	Pass
802.11g	SISO	2412	1	16.107	≥ 0.5	Pass
		2437	1	16.034	≥ 0.5	Pass
		2462	1	16.265	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.148	≥ 0.5	Pass
		2437	1	17.566	≥ 0.5	Pass
		2462	1	17.457	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	30.914	≥ 0.5	Pass
		2437	1	36.493	≥ 0.5	Pass
		2452	1	36.494	≥ 0.5	Pass

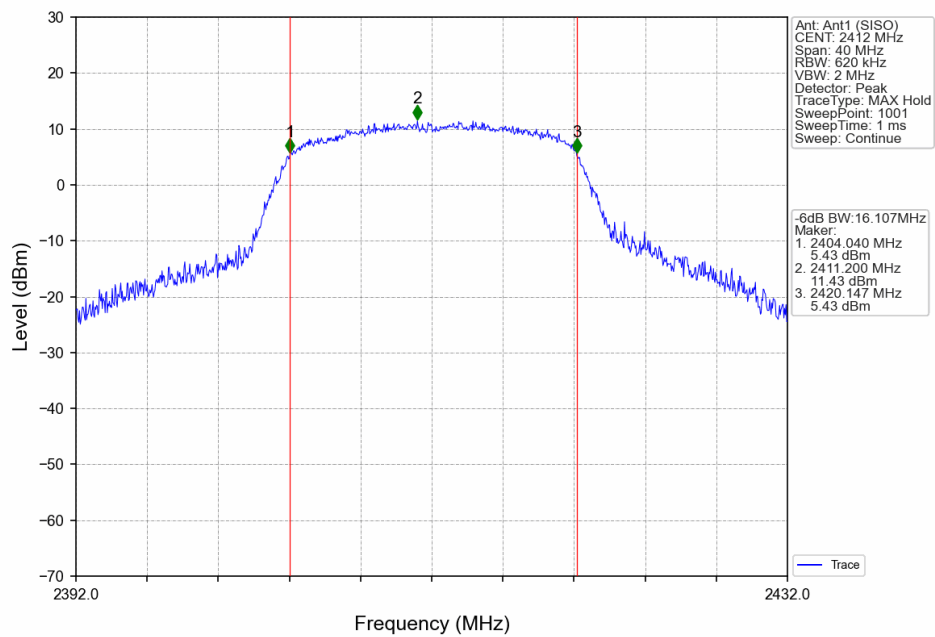
2.2.2 Test Graph



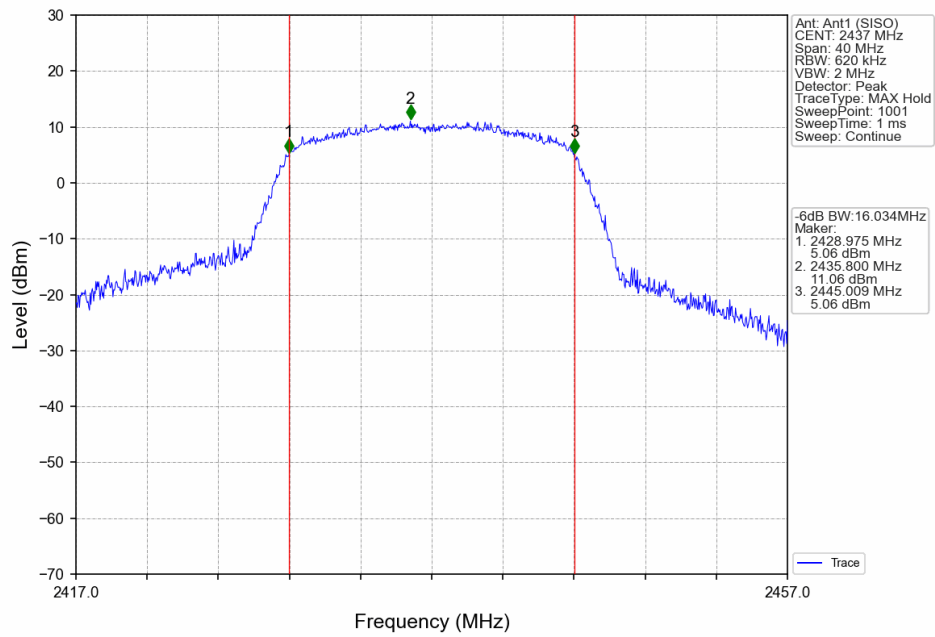
802.11b HCH 2462MHz Ant1 (SISO) NTN



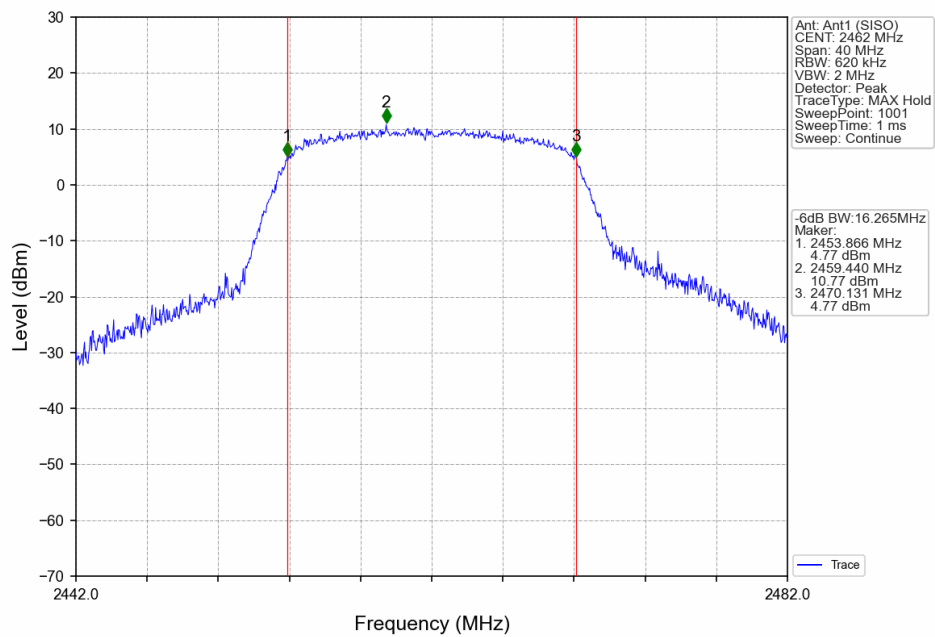
802.11g LCH 2412MHz Ant1 (SISO) NTN



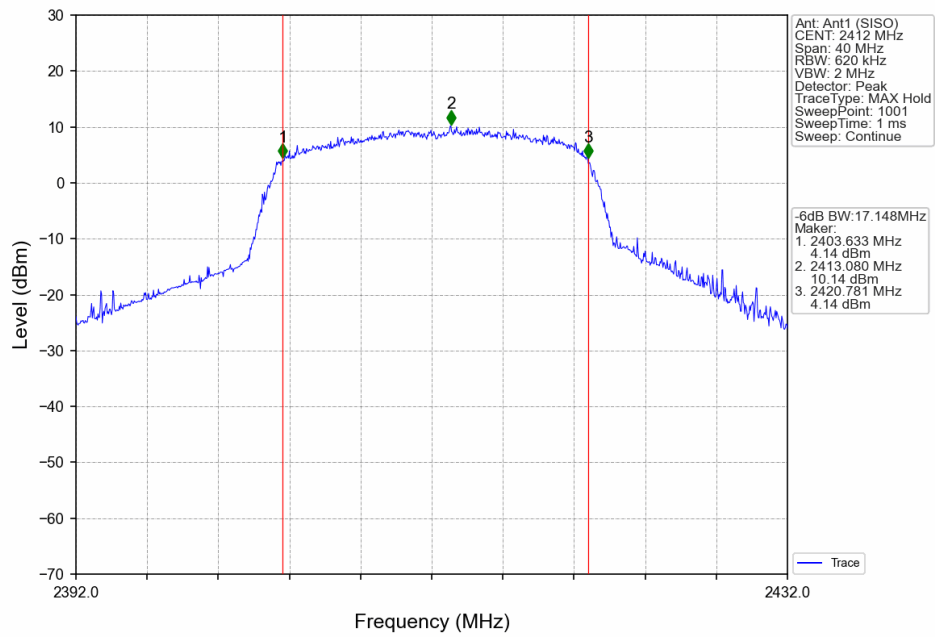
802.11g MCH 2437MHz Ant1 (SISO) NTNV



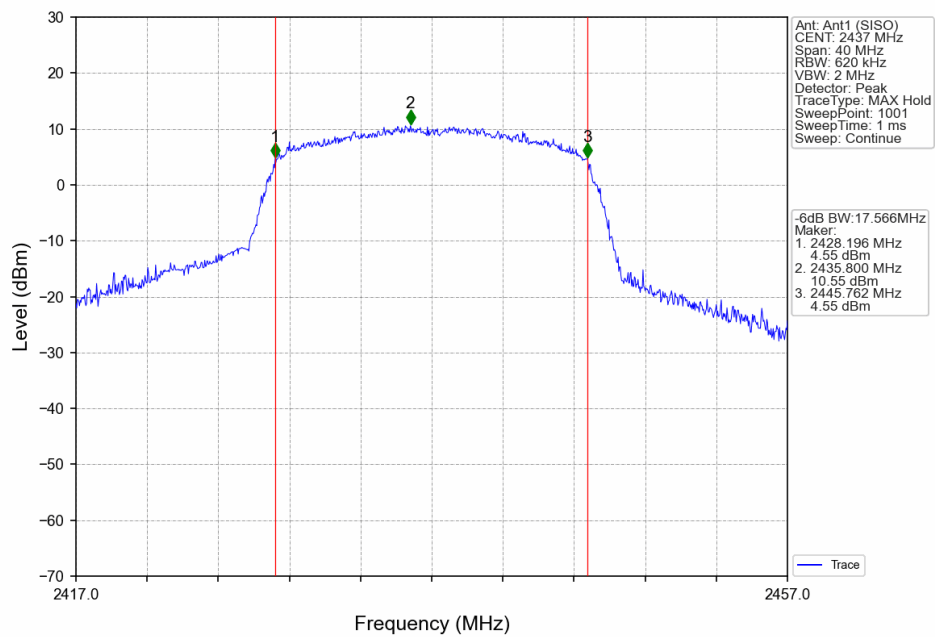
802.11g HCH 2462MHz Ant1 (SISO) NTNV



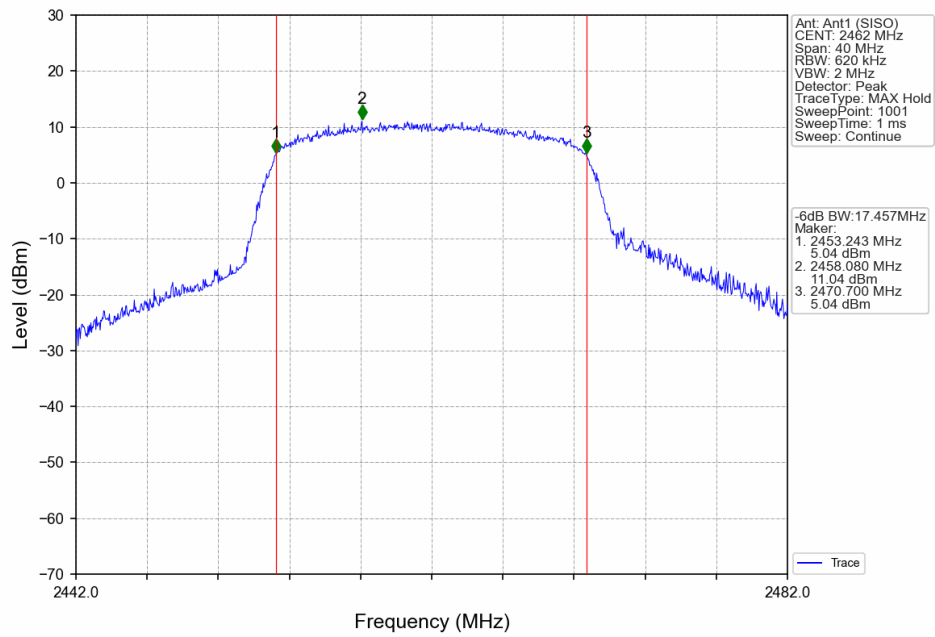
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



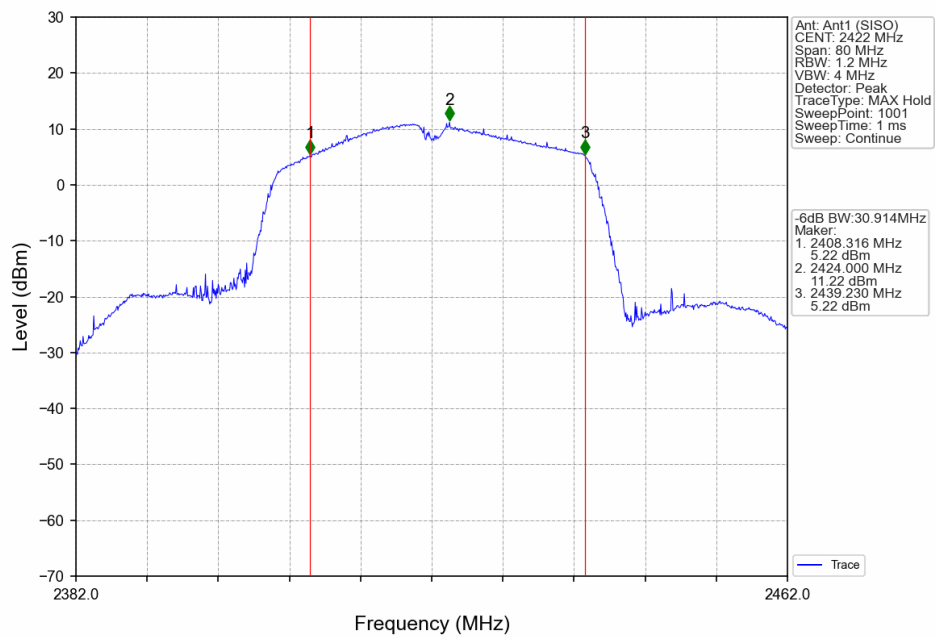
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



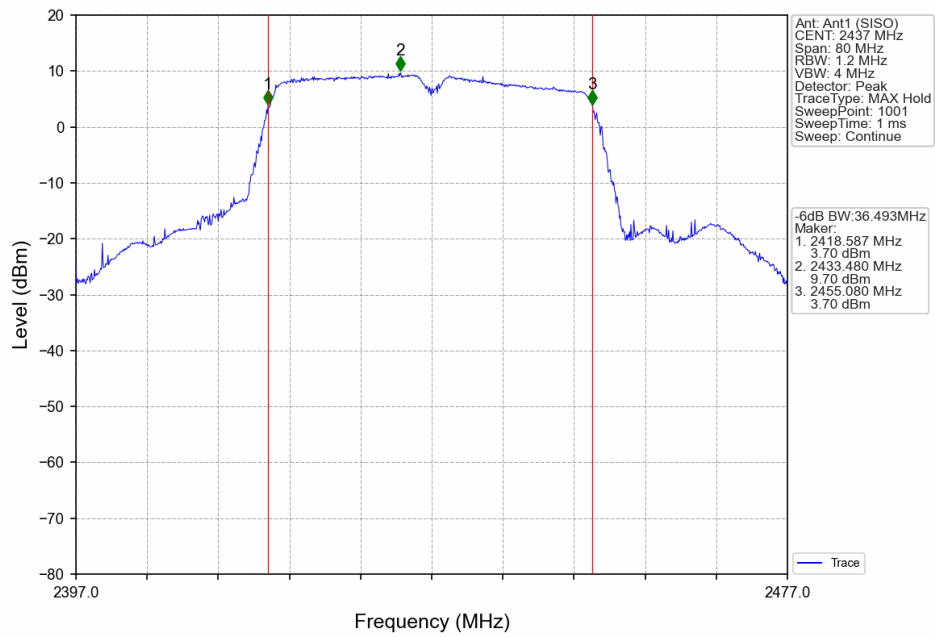
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTV



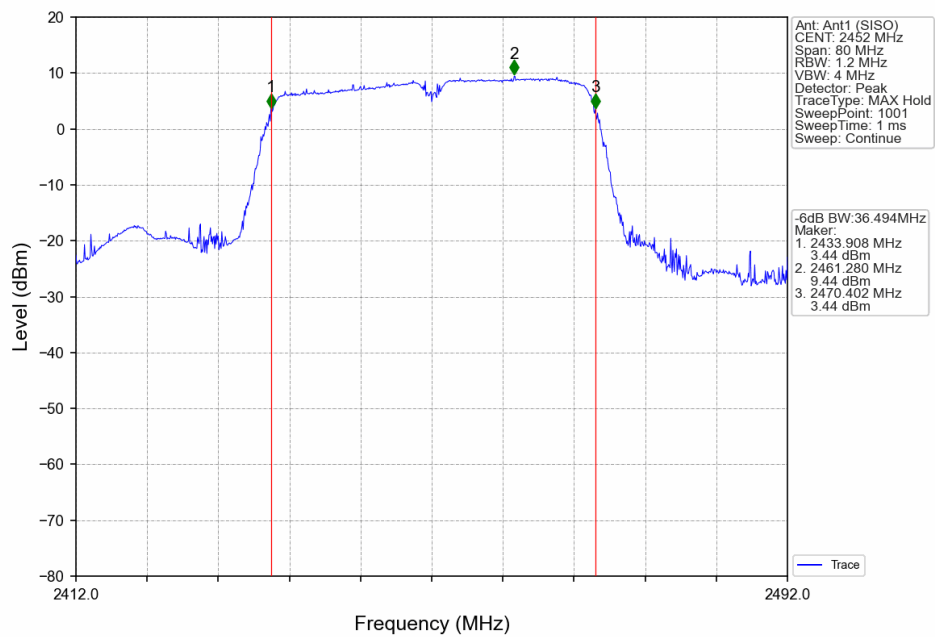
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



3. Maximum Conducted Output Power

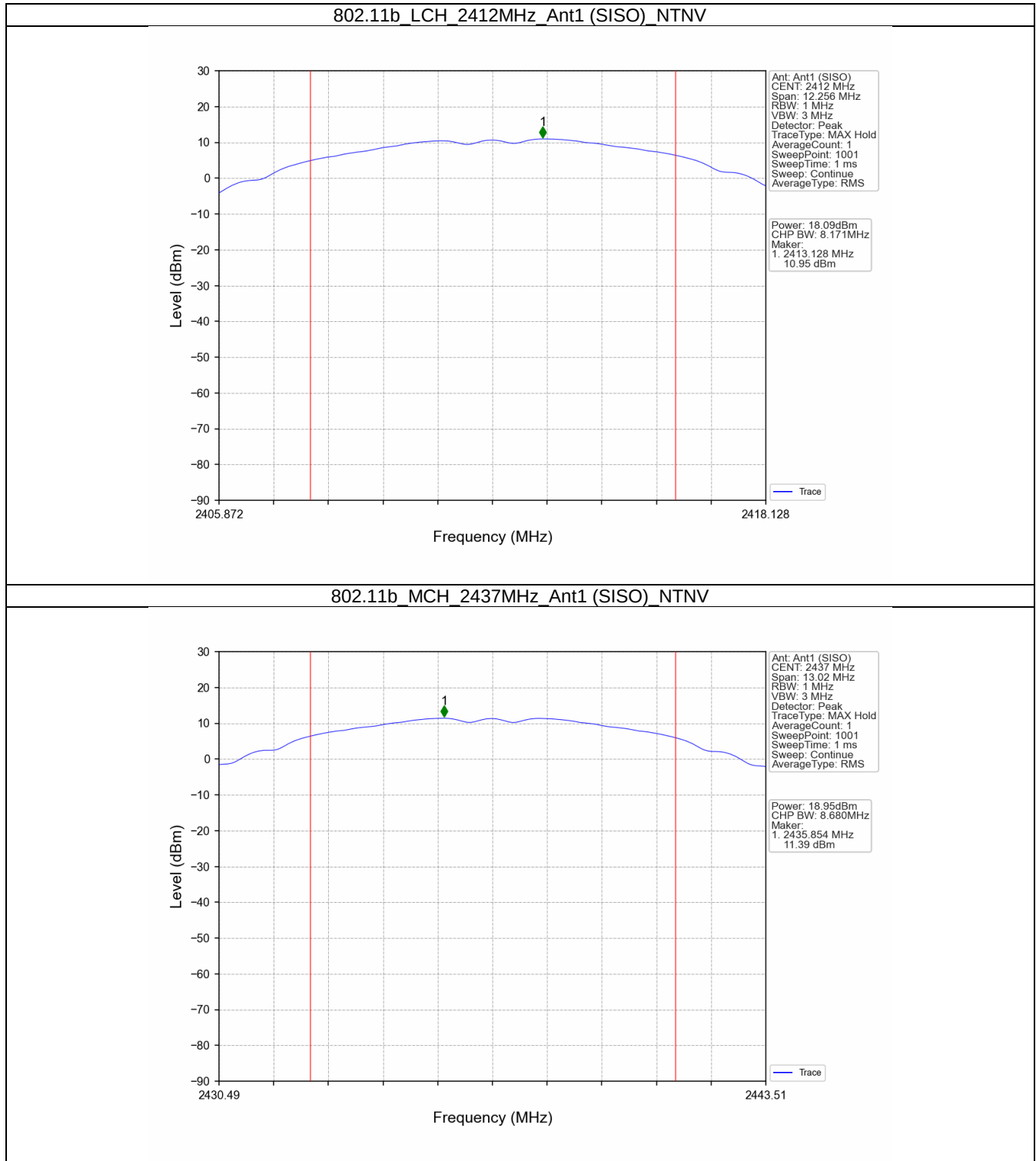
3.1 Power

3.1.1 Test Result

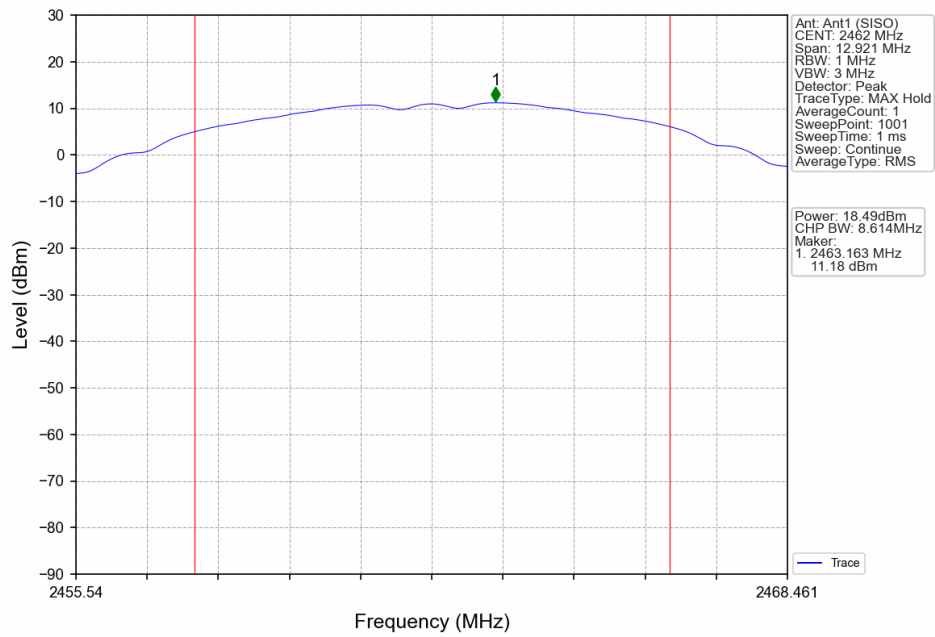
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	18.09	<=30	Pass
		2437	18.95	<=30	Pass
		2462	18.49	<=30	Pass
802.11g	SISO	2412	22.61	<=30	Pass
		2437	23.27	<=30	Pass
		2462	22.59	<=30	Pass
802.11n (HT20)	SISO	2412	22.60	<=30	Pass
		2437	23.24	<=30	Pass
		2462	22.53	<=30	Pass
802.11n (HT40)	SISO	2422	21.62	<=30	Pass
		2437	21.80	<=30	Pass
		2452	21.45	<=30	Pass

Note1: Antenna Gain: Ant1: 3.50dBi;

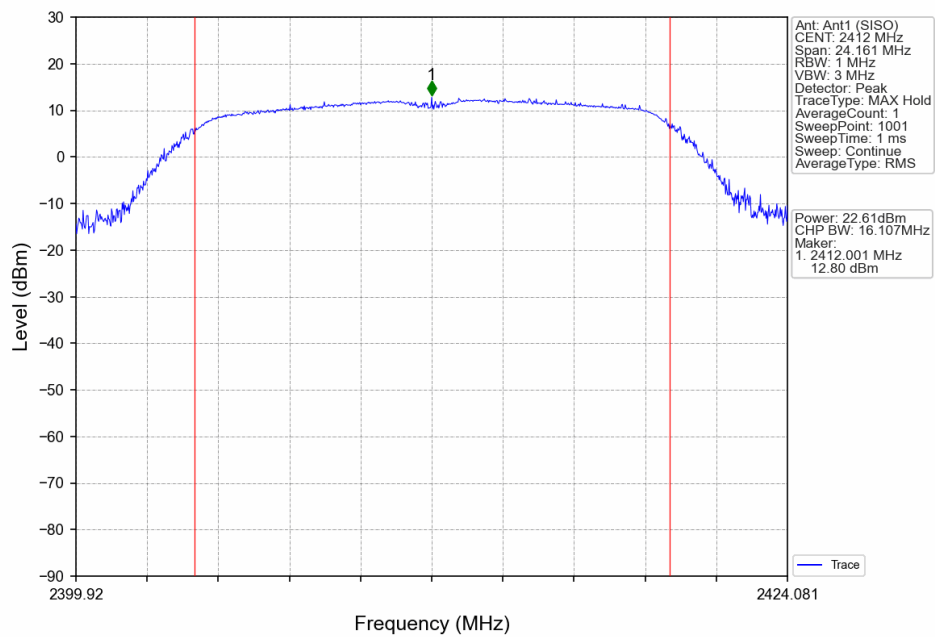
3.1.2 Test Graph



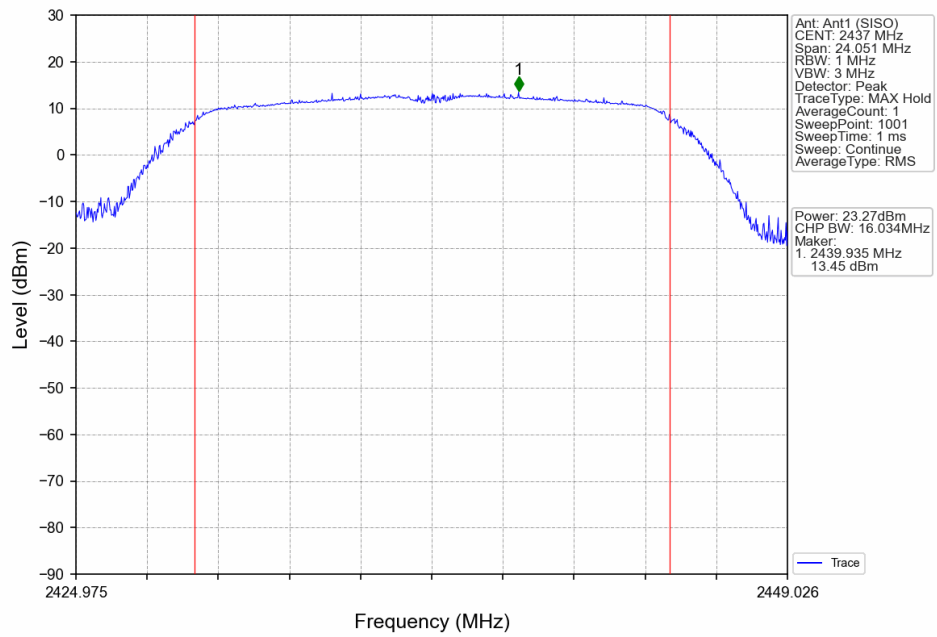
802.11b HCH 2462MHz Ant1 (SISO) NTNV



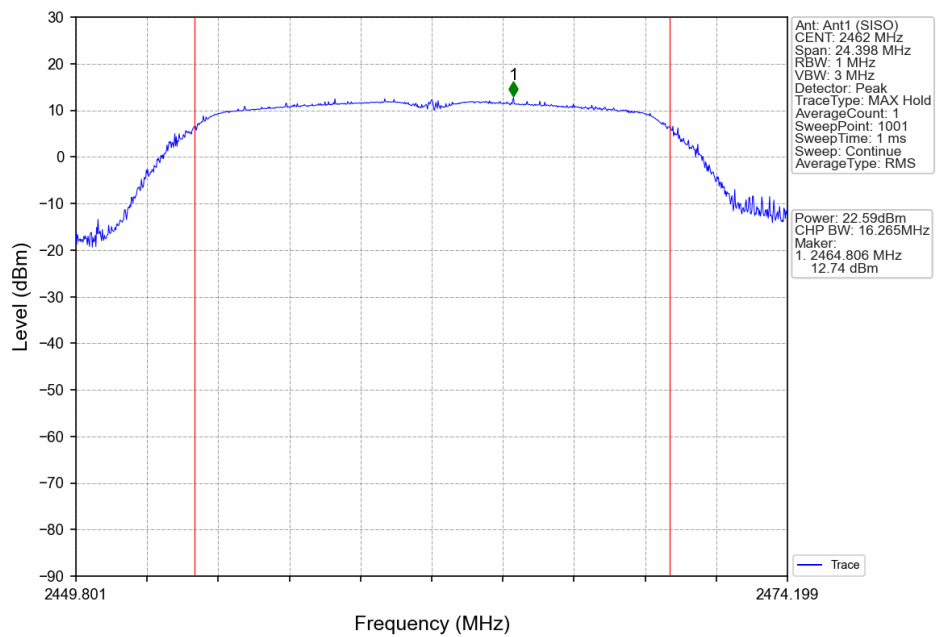
802.11g LCH 2412MHz Ant1 (SISO) NTNV



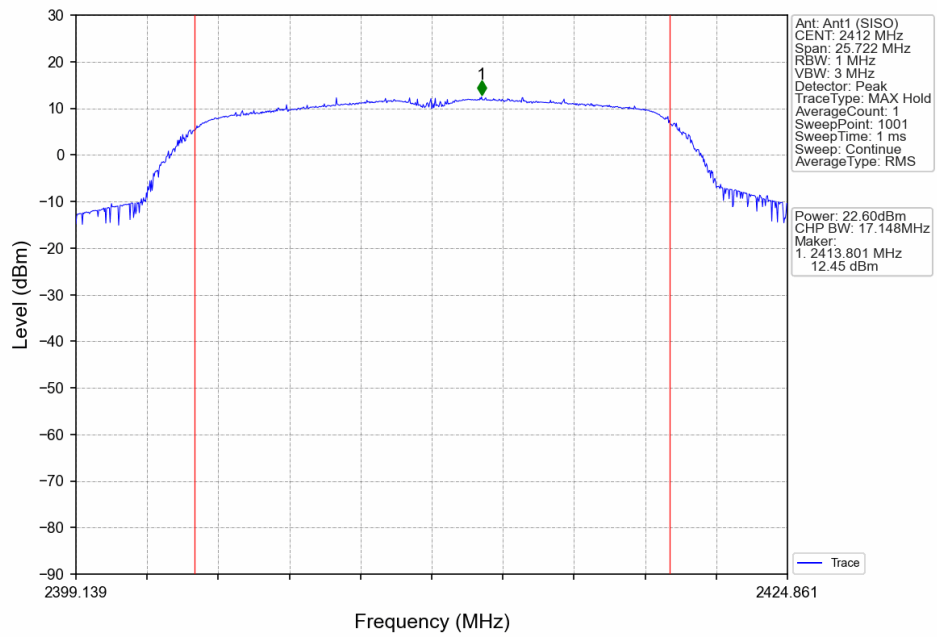
802.11g MCH 2437MHz Ant1 (SISO) NTN



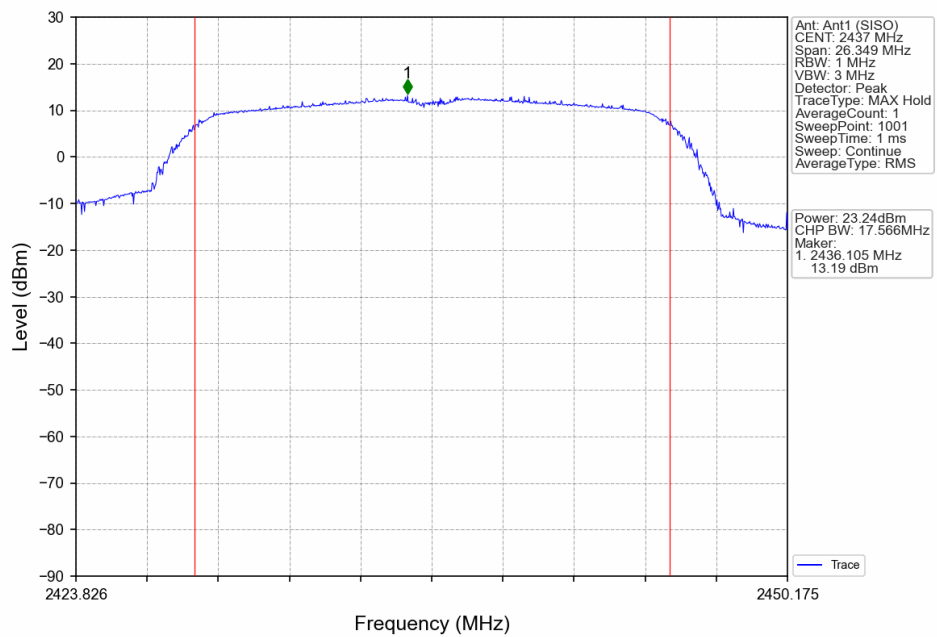
802.11g HCH 2462MHz Ant1 (SISO) NTN



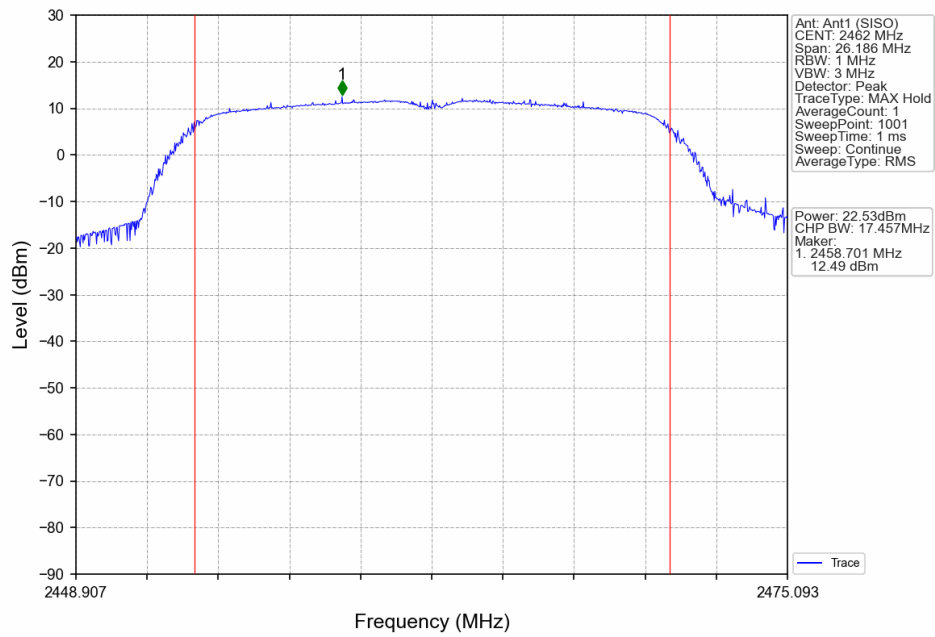
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



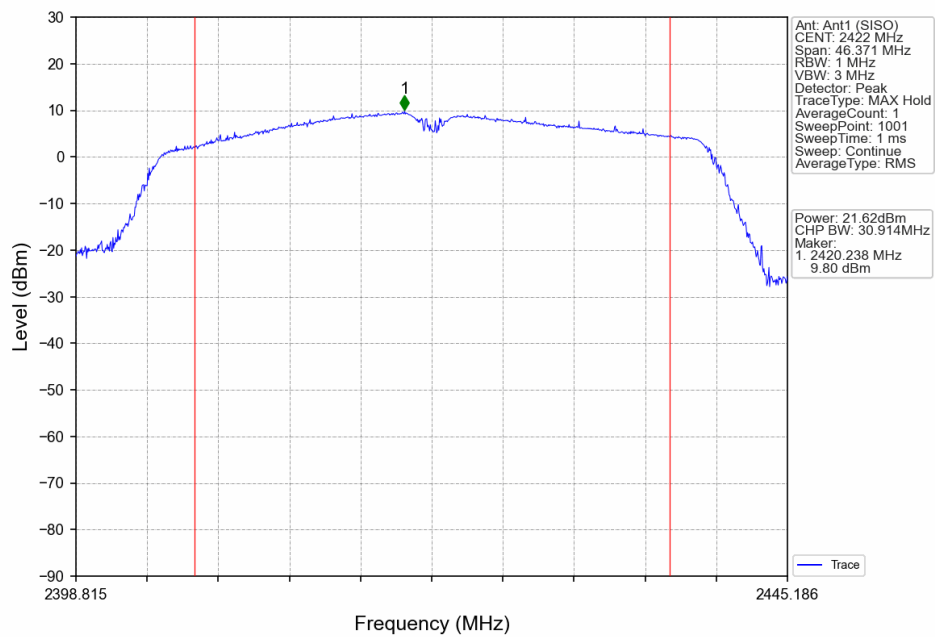
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



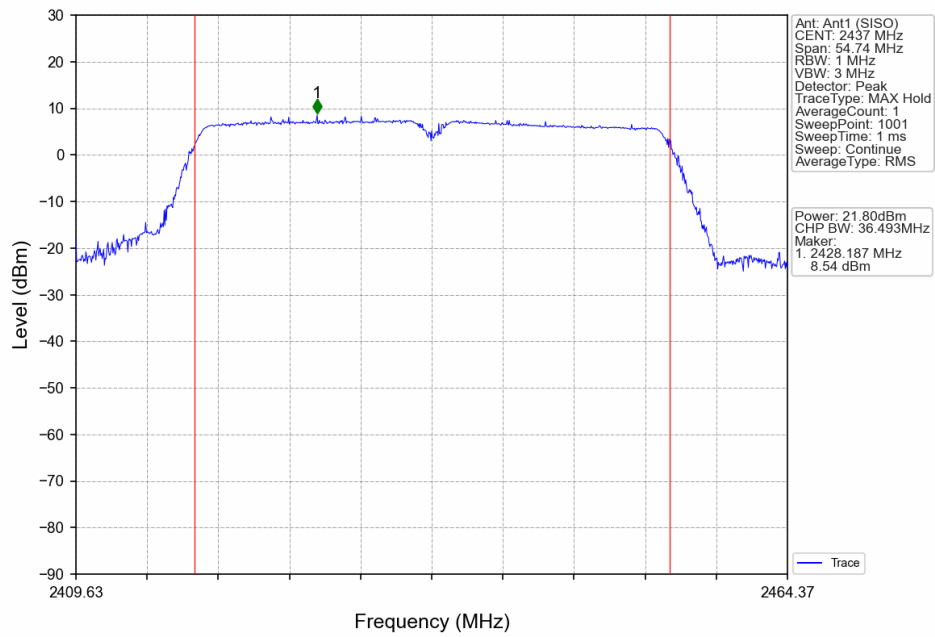
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



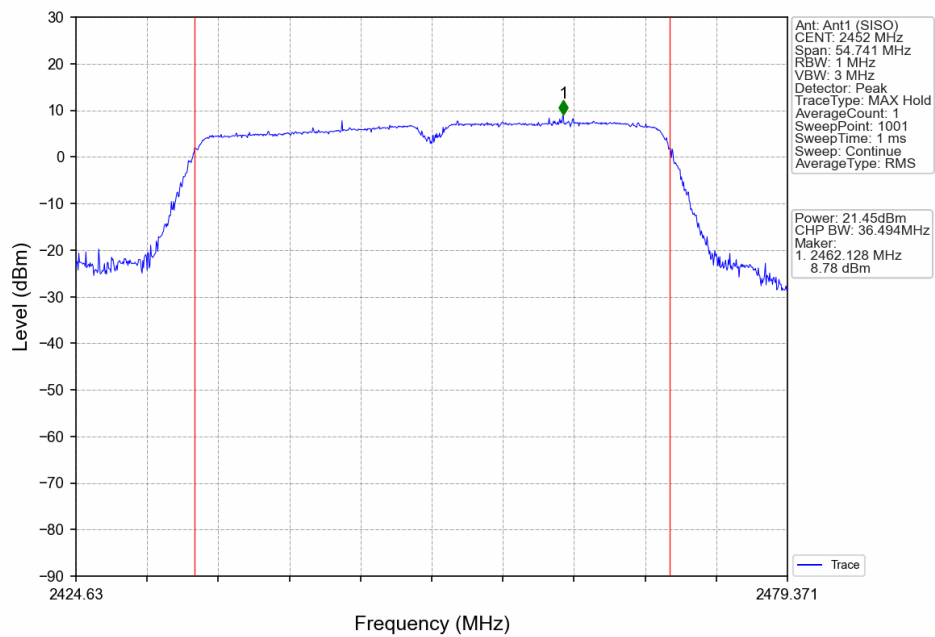
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



4. Maximum Power Spectral Density

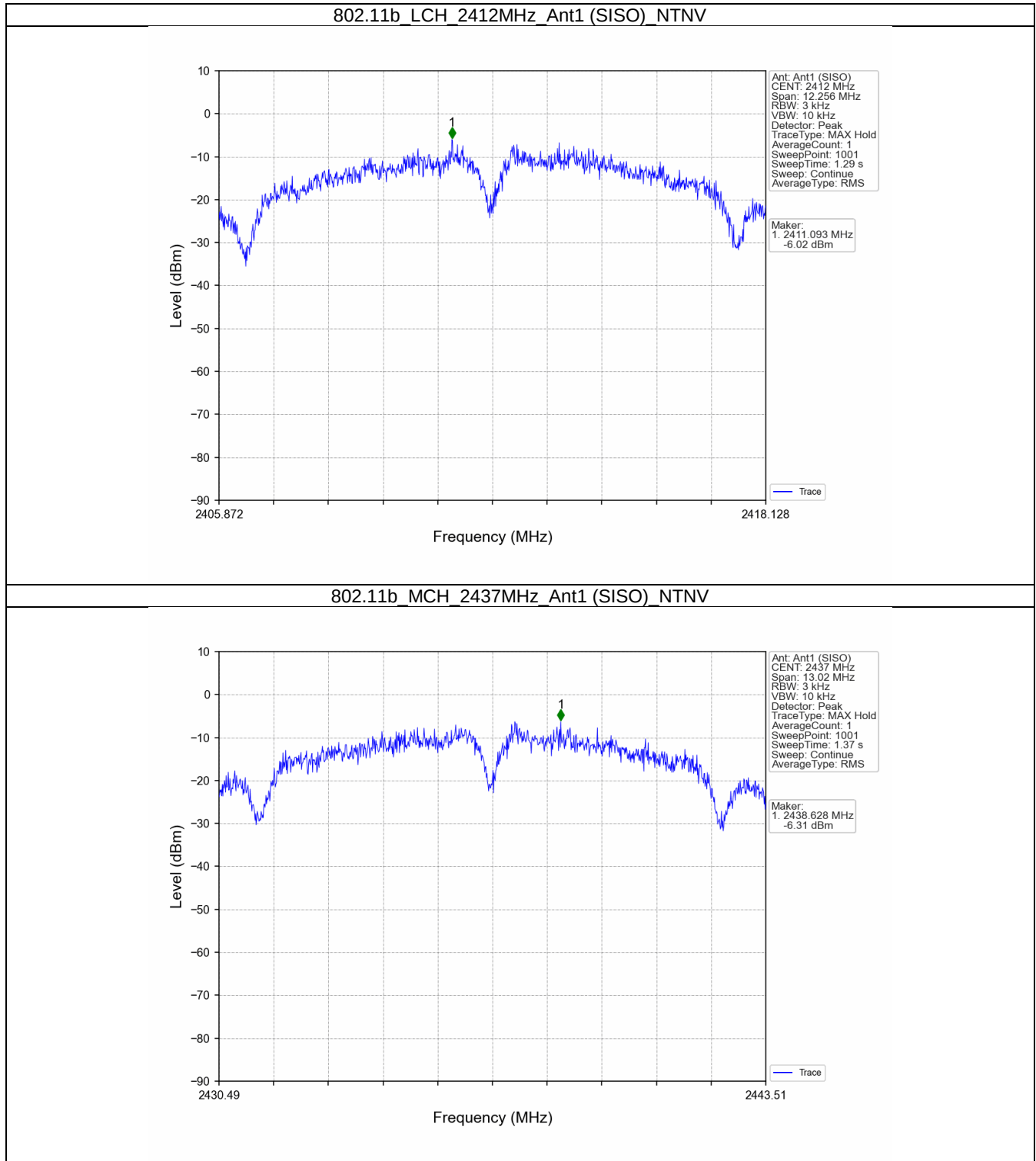
4.1 PSD

4.1.1 Test Result

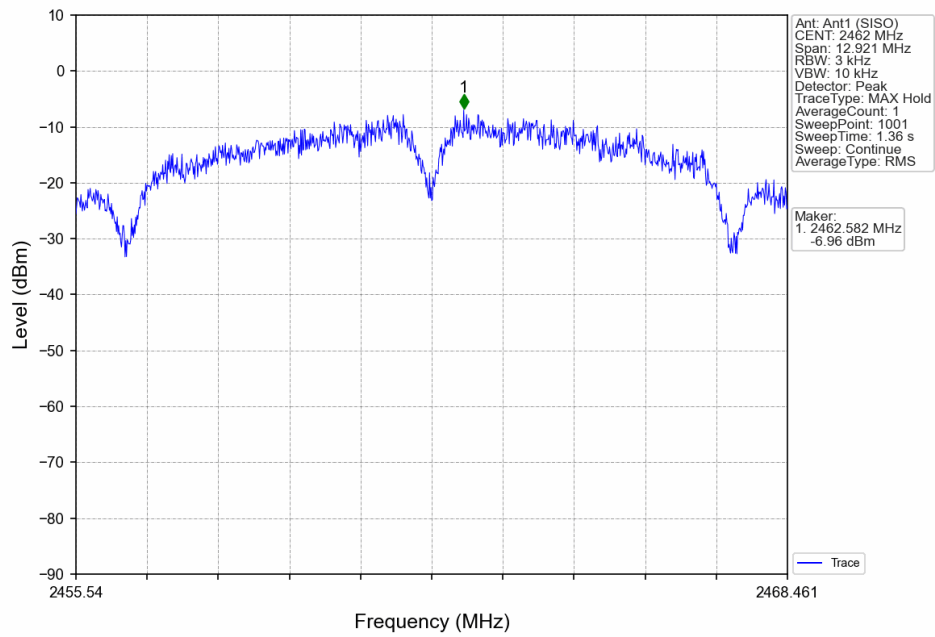
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-6.02	<=8	Pass
		2437	-6.31	<=8	Pass
		2462	-6.96	<=8	Pass
802.11g	SISO	2412	-10.20	<=8	Pass
		2437	-9.66	<=8	Pass
		2462	-10.60	<=8	Pass
802.11n (HT20)	SISO	2412	-9.03	<=8	Pass
		2437	-9.78	<=8	Pass
		2462	-10.54	<=8	Pass
802.11n (HT40)	SISO	2422	-13.04	<=8	Pass
		2437	-13.87	<=8	Pass
		2452	-14.04	<=8	Pass

Note1: Antenna Gain: Ant1: 3.50dBi;

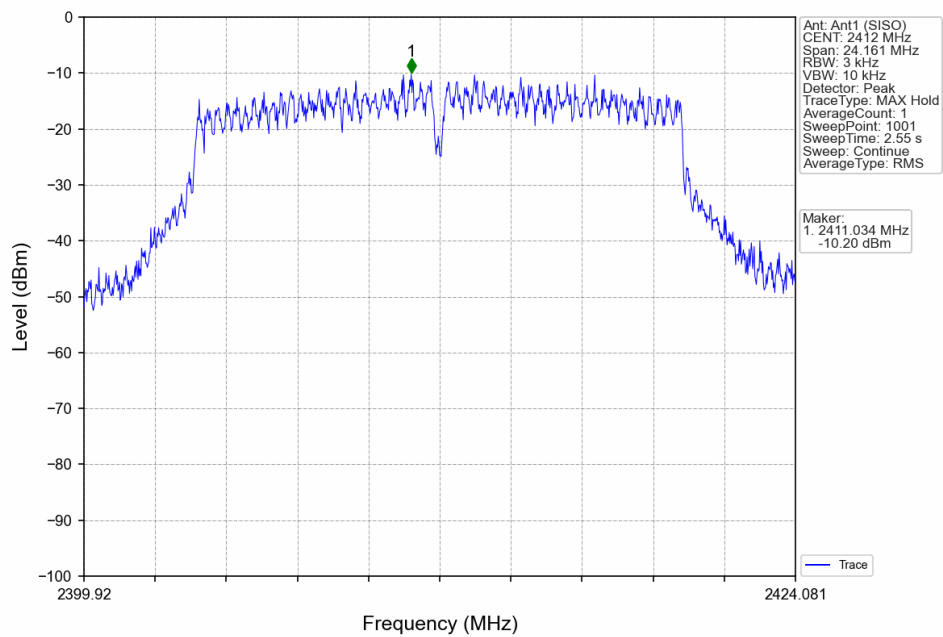
4.1.2 Test Graph



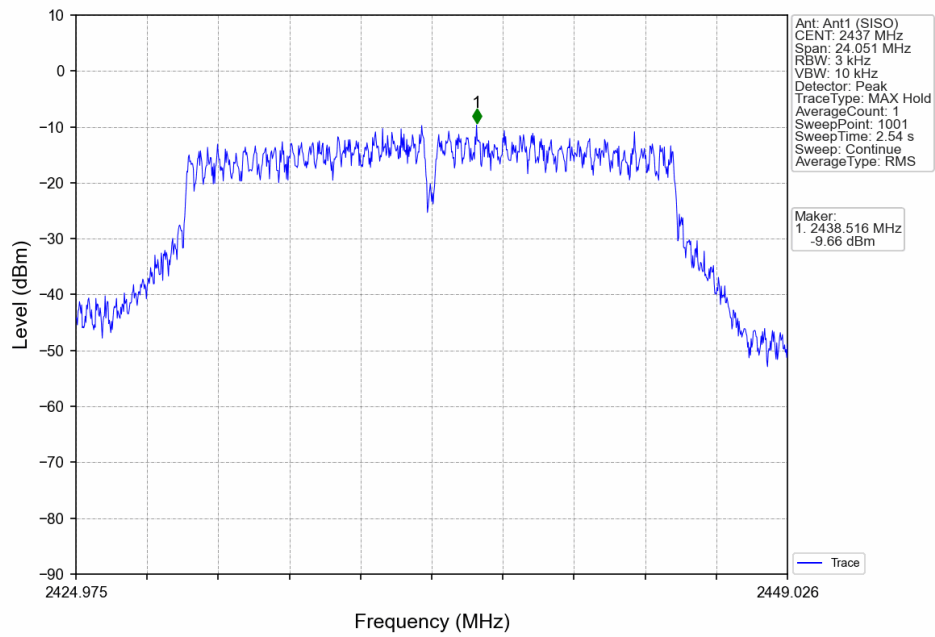
802.11b HCH 2462MHz Ant1 (SISO) NTN



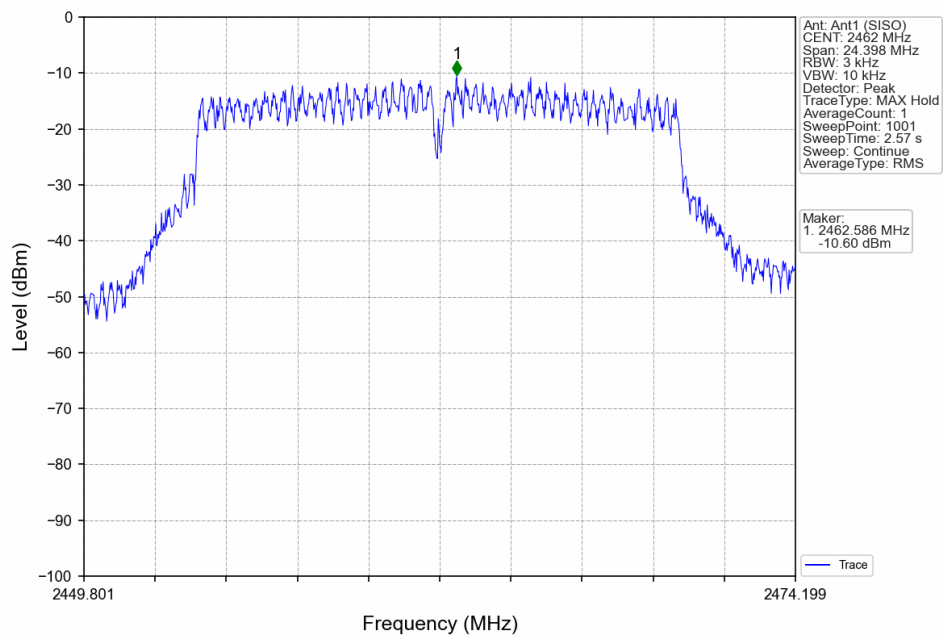
802.11g LCH 2412MHz Ant1 (SISO) NTN



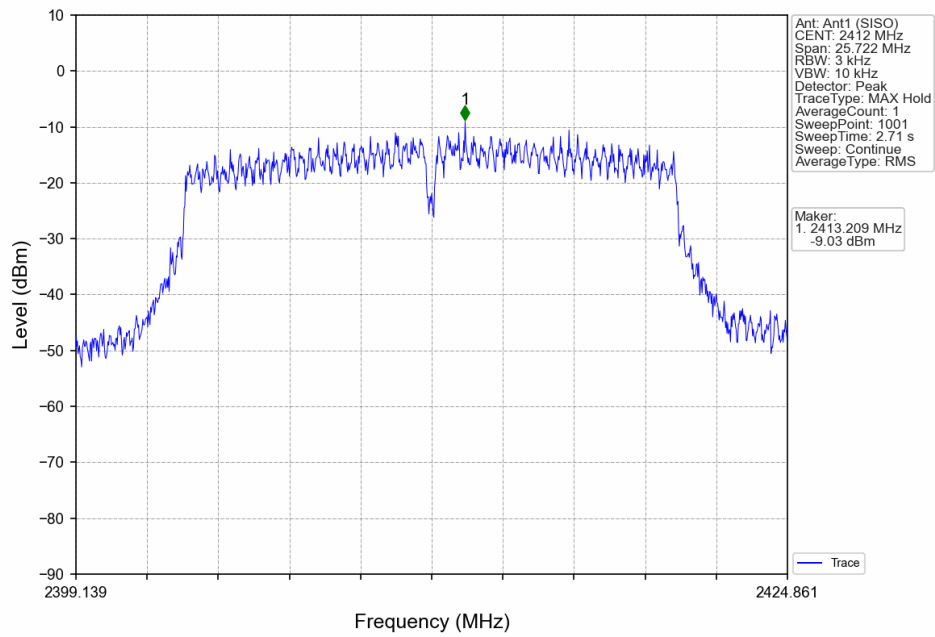
802.11g MCH 2437MHz Ant1 (SISO) NTNV



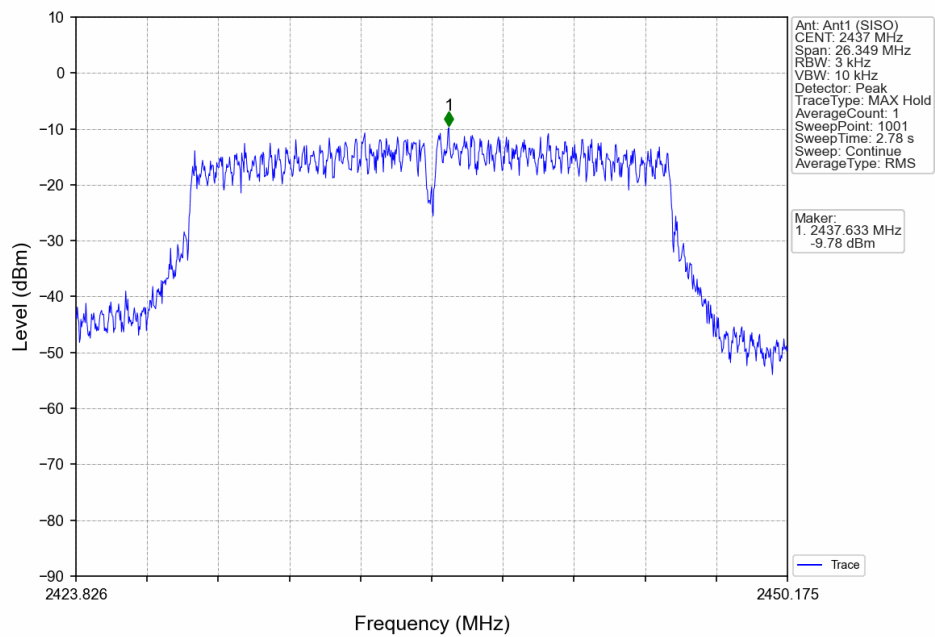
802.11g HCH 2462MHz Ant1 (SISO) NTNV



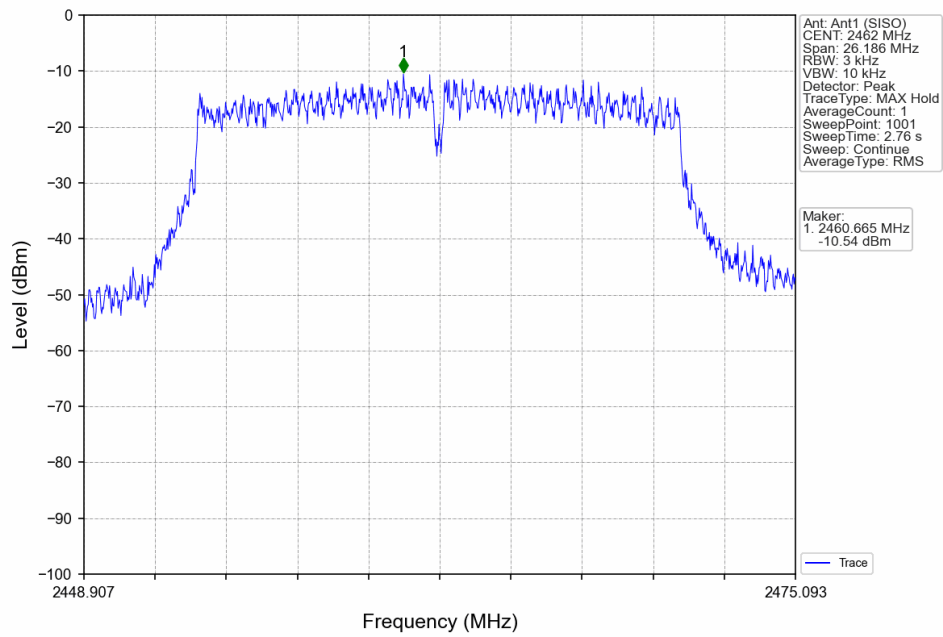
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



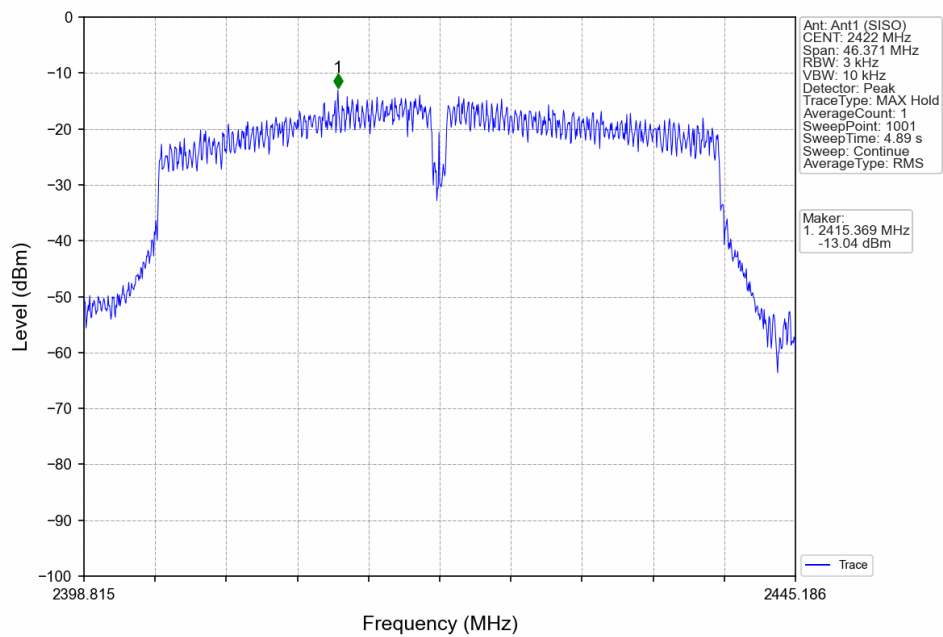
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



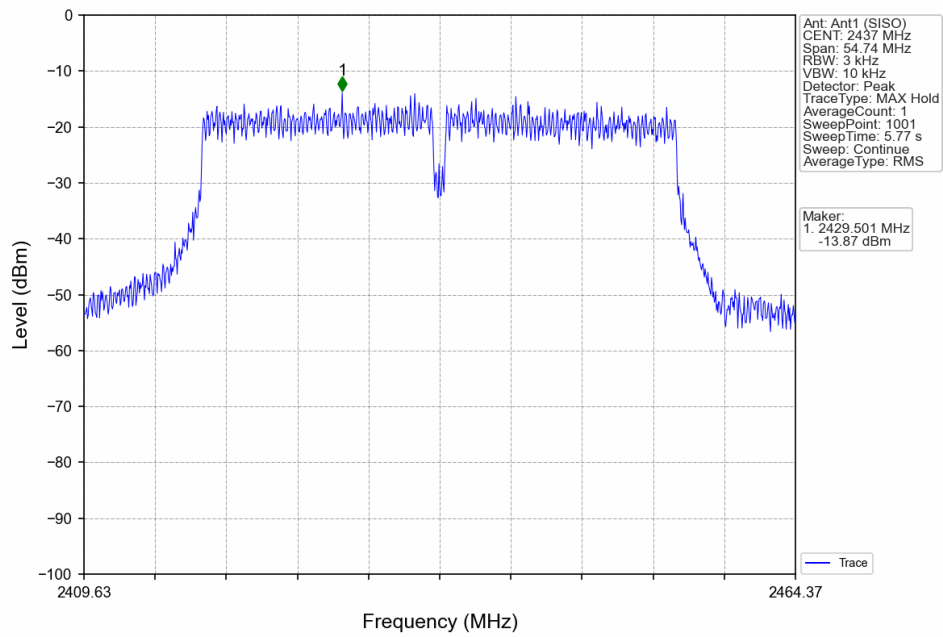
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



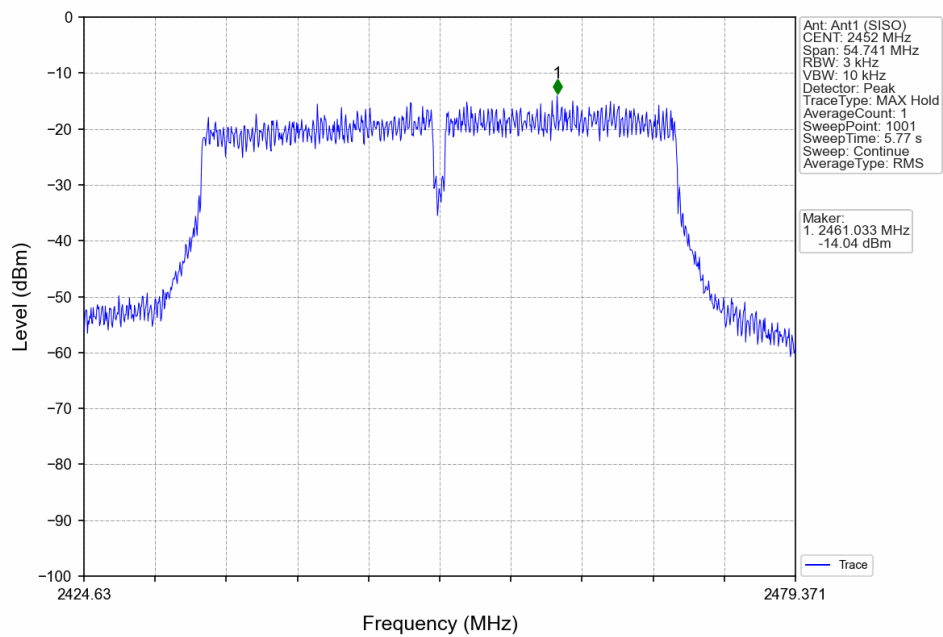
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

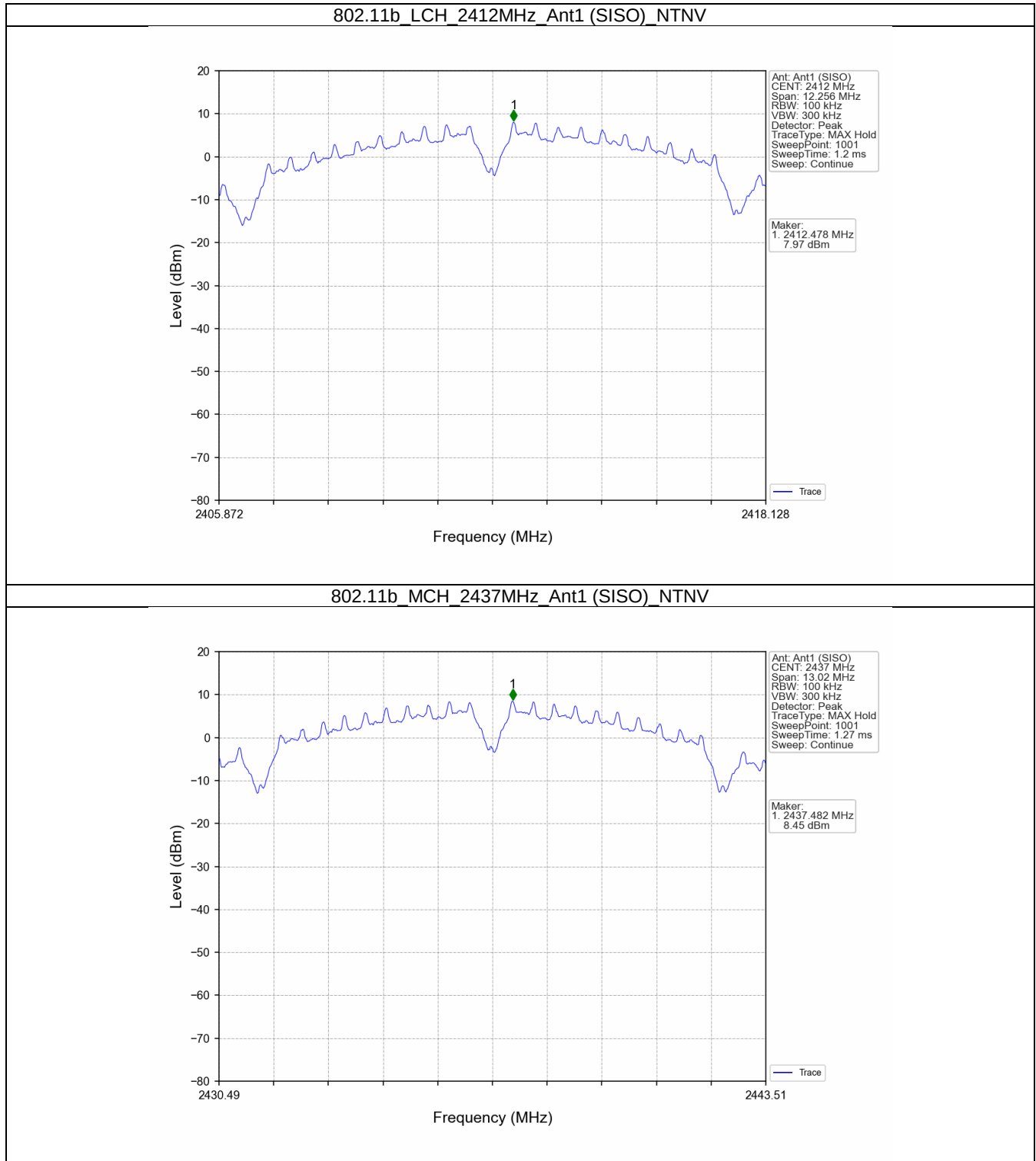
5.1 Ref

5.1.1 Test Result

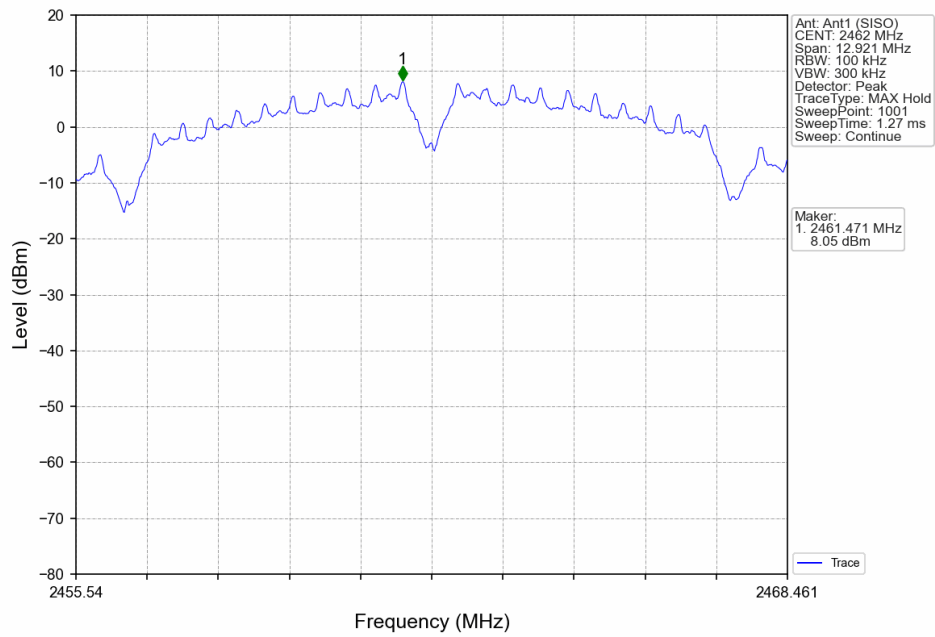
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	7.97
		2437	1	8.45
		2462	1	8.05
802.11g	SISO	2412	1	4.67
		2437	1	5.49
		2462	1	4.70
802.11n (HT20)	SISO	2412	1	4.79
		2437	1	5.32
		2462	1	4.65
802.11n (HT40)	SISO	2422	1	2.11
		2437	1	0.28
		2452	1	0.41

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.

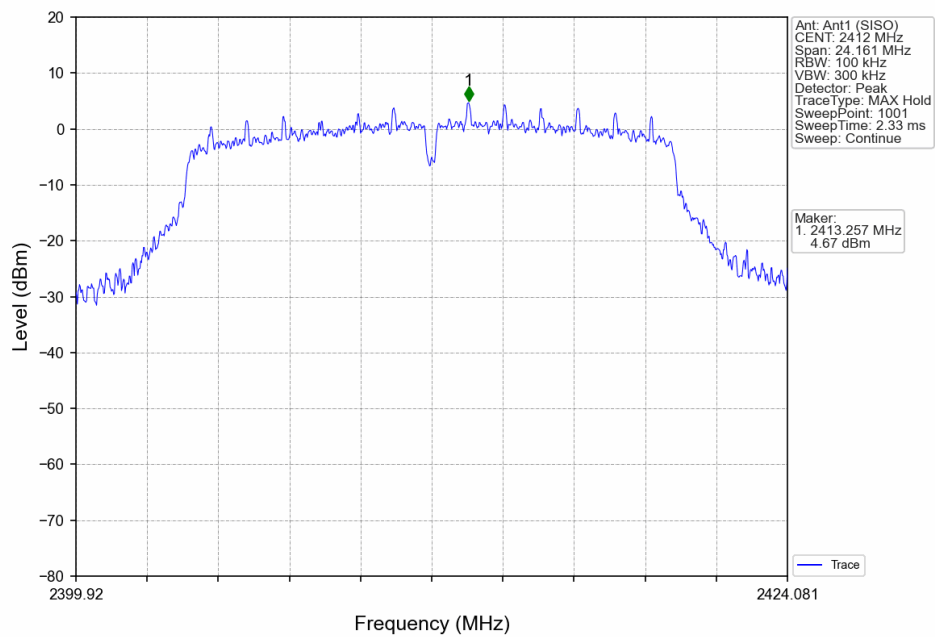
5.1.2 Test Graph



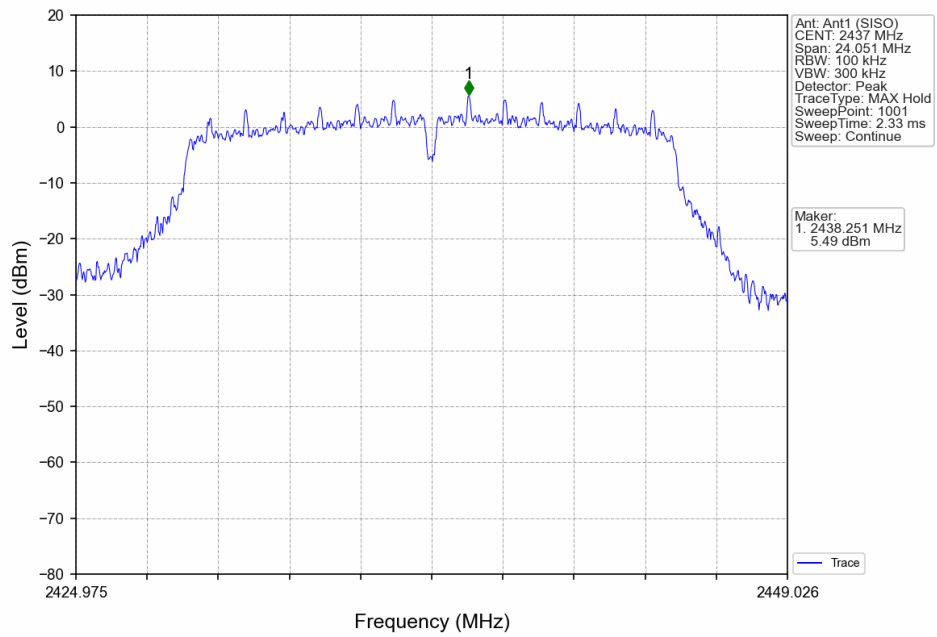
802.11b HCH 2462MHz Ant1 (SISO) NTN



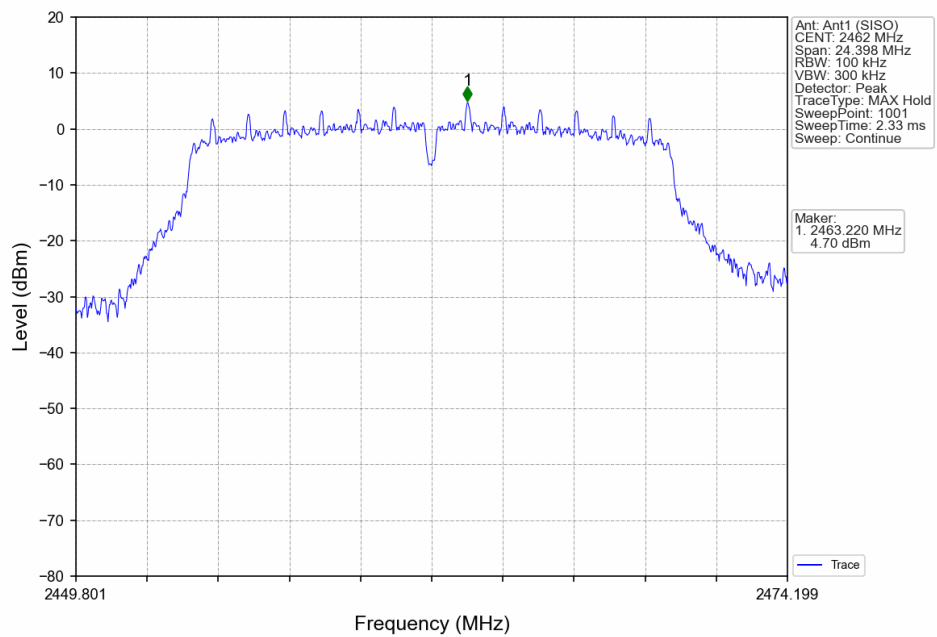
802.11g LCH 2412MHz Ant1 (SISO) NTN



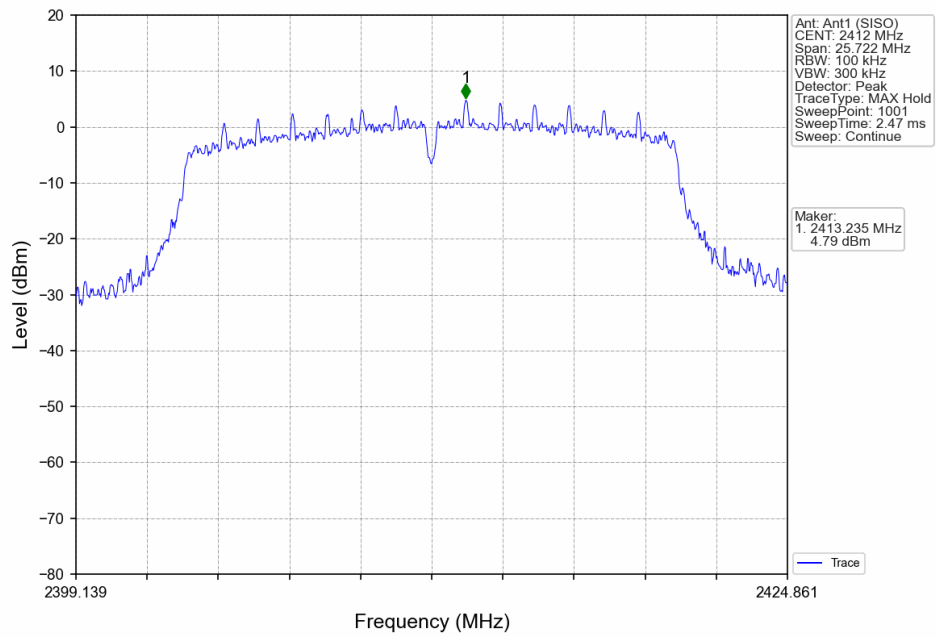
802.11g MCH 2437MHz Ant1 (SISO) NTN



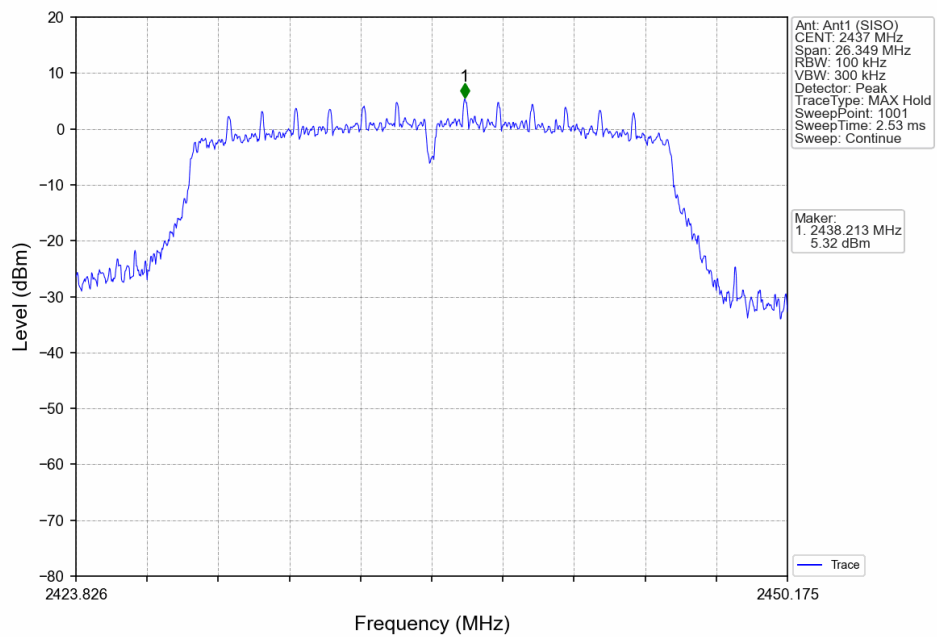
802.11g HCH 2462MHz Ant1 (SISO) NTN



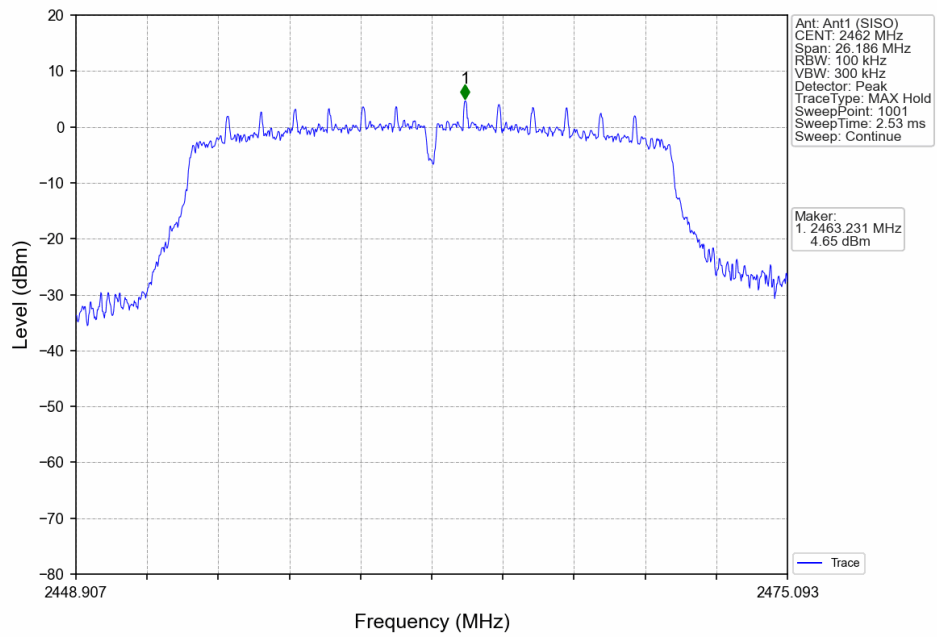
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



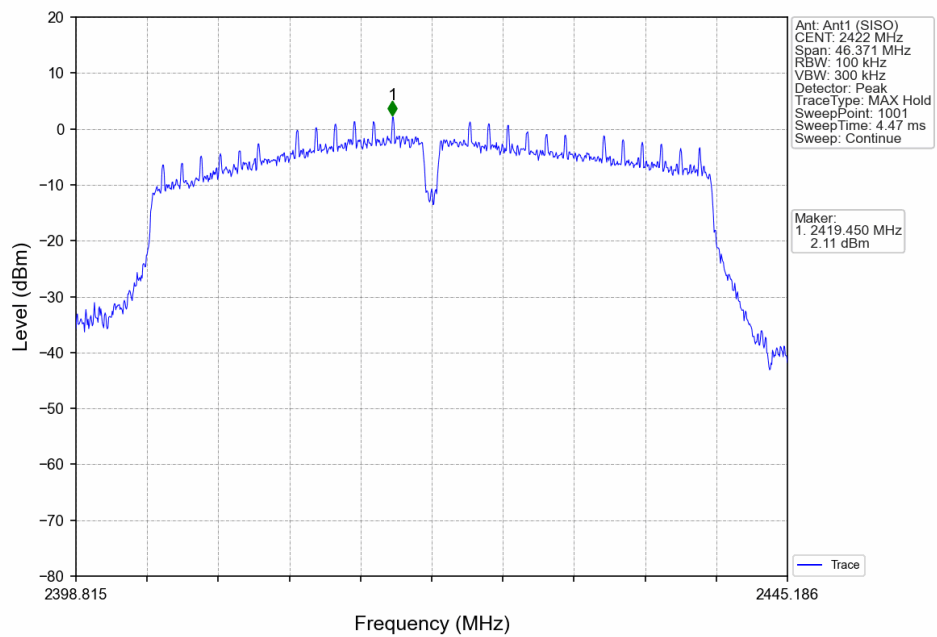
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



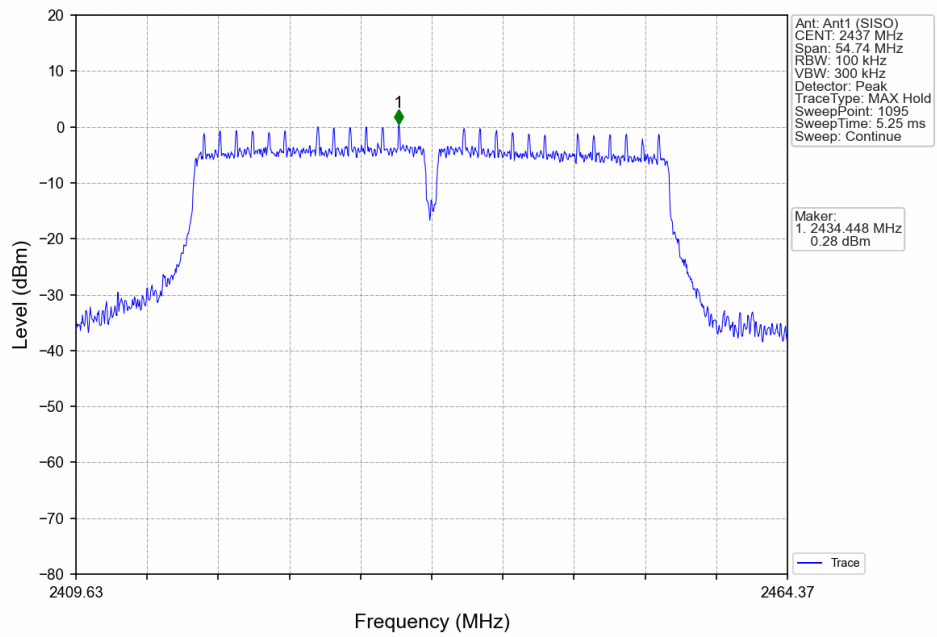
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



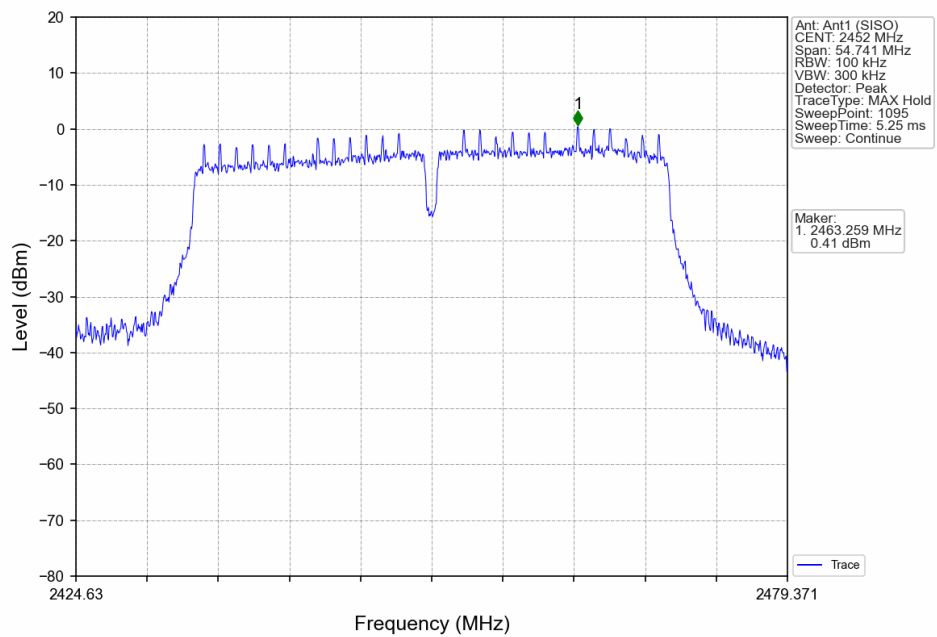
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

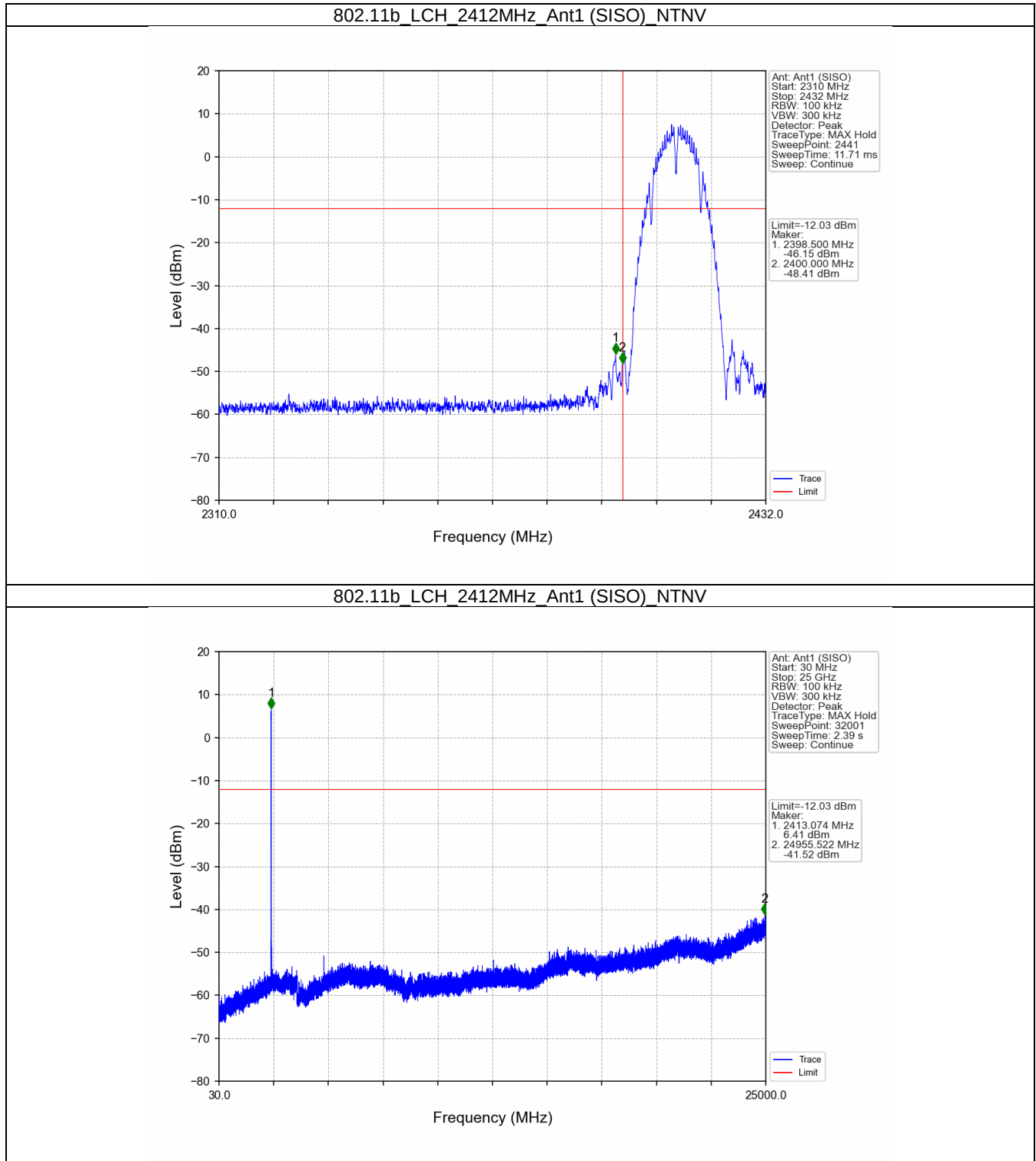


5.2 CSE

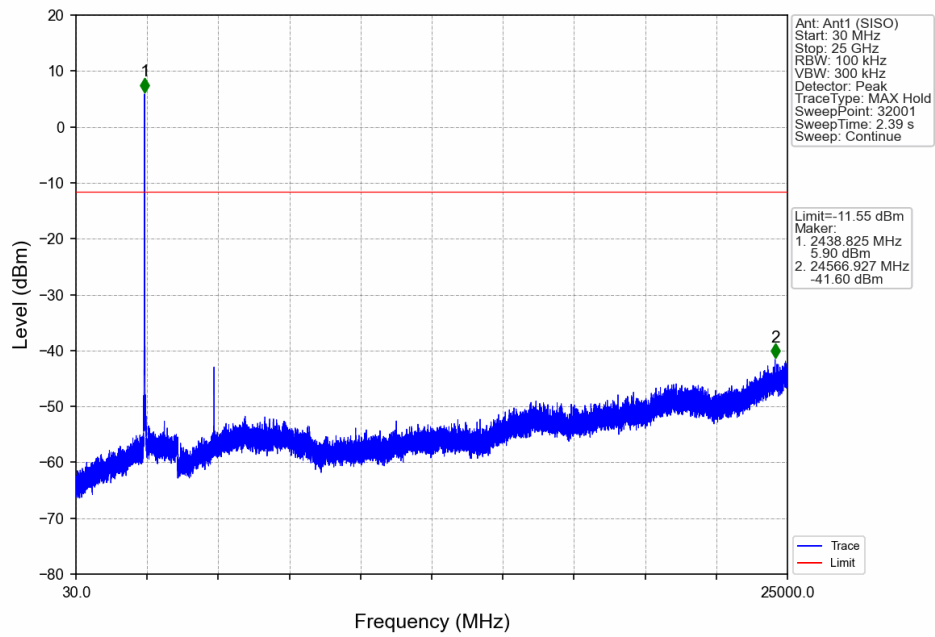
5.2.1 Test Result

Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	7.97	-12.03	Pass
		2437	1	8.45	-11.55	Pass
		2462	1	8.05	-11.95	Pass
802.11g	SISO	2412	1	4.67	-15.33	Pass
		2437	1	5.49	-14.51	Pass
		2462	1	4.70	-15.30	Pass
802.11n (HT20)	SISO	2412	1	4.79	-15.21	Pass
		2437	1	5.32	-14.68	Pass
		2462	1	4.65	-15.35	Pass
802.11n (HT40)	SISO	2422	1	2.11	-17.89	Pass
		2437	1	0.28	-19.72	Pass
		2452	1	0.41	-19.59	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.						

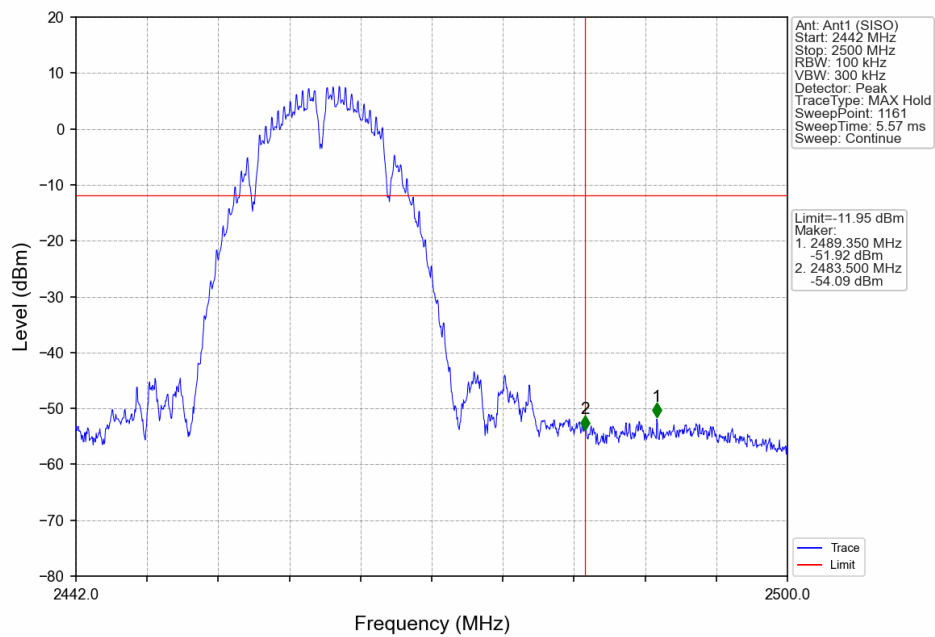
5.2.2 Test Graph



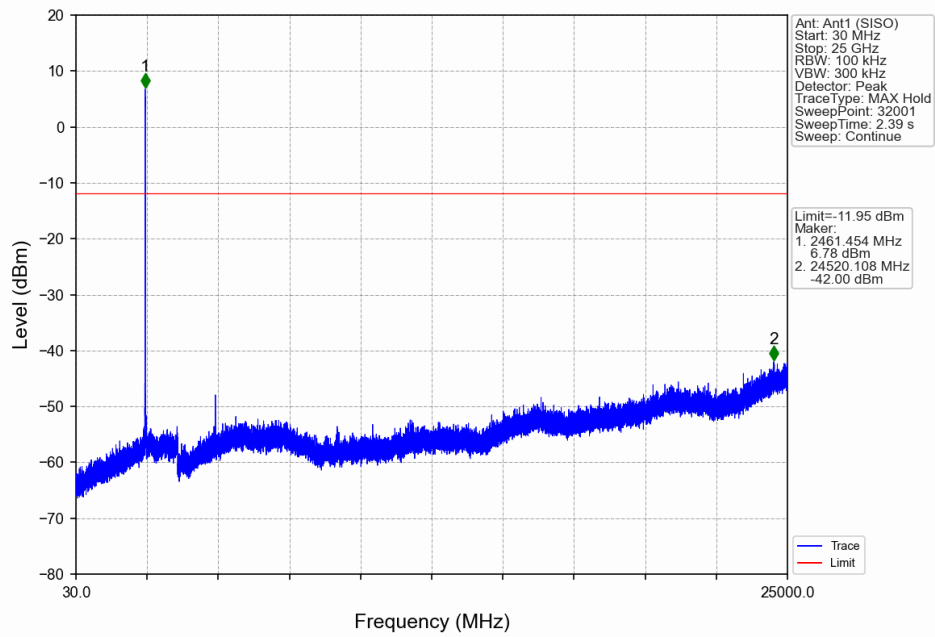
802.11b MCH 2437MHz Ant1 (SISO) NTNV



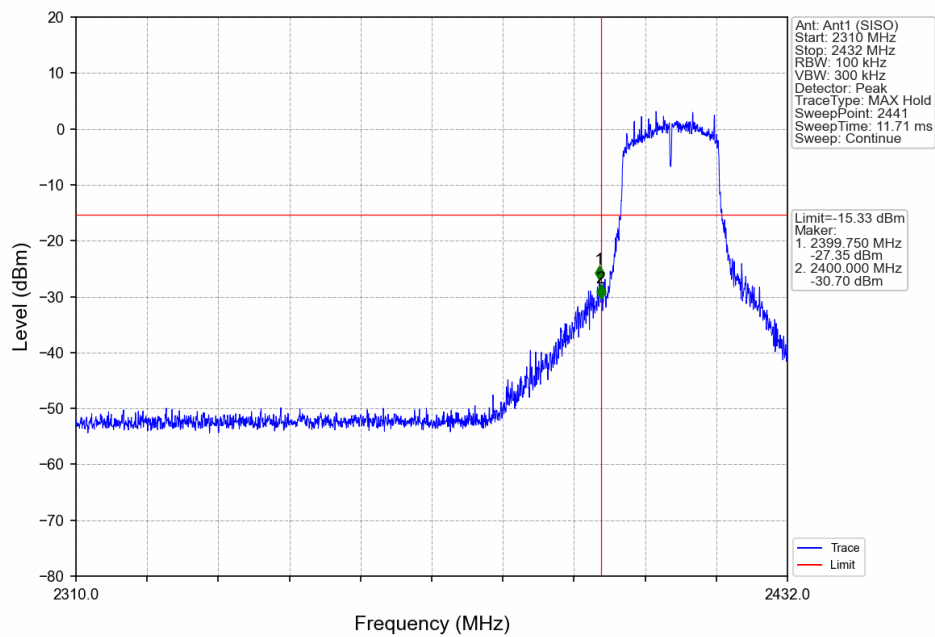
802.11b HCH 2462MHz Ant1 (SISO) NTNV



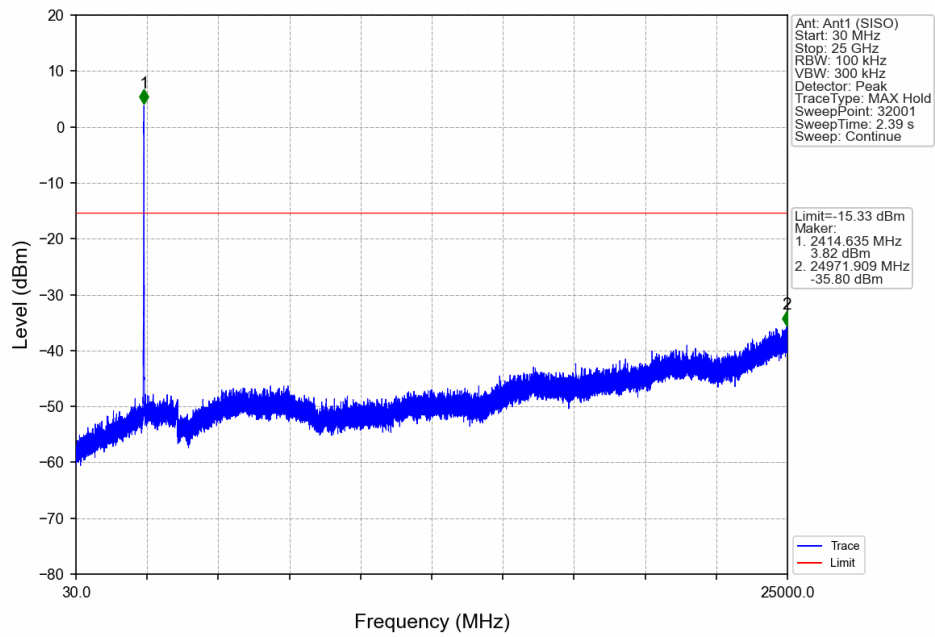
802.11b HCH 2462MHz Ant1 (SISO) NTN



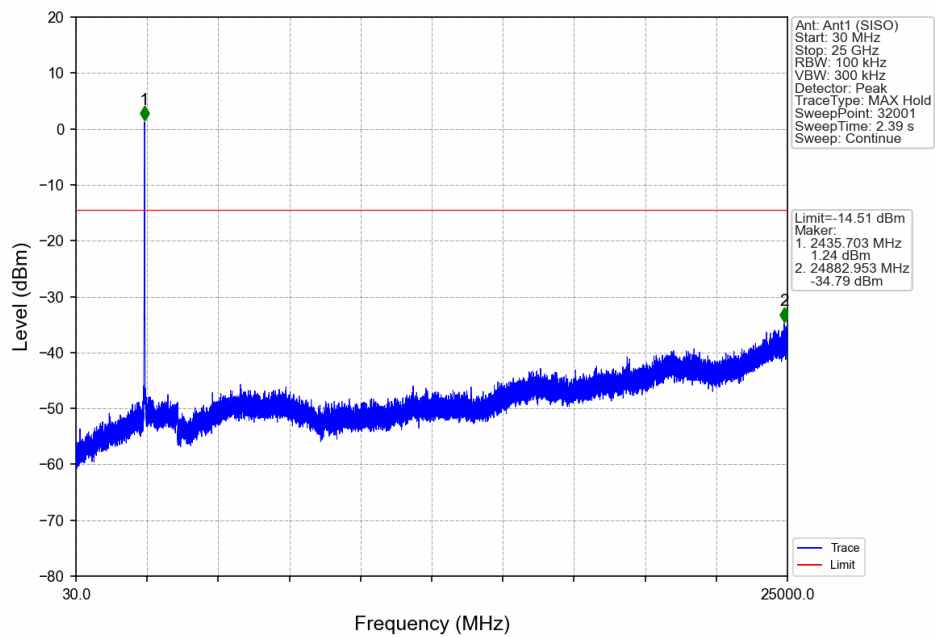
802.11g LCH 2412MHz Ant1 (SISO) NTN



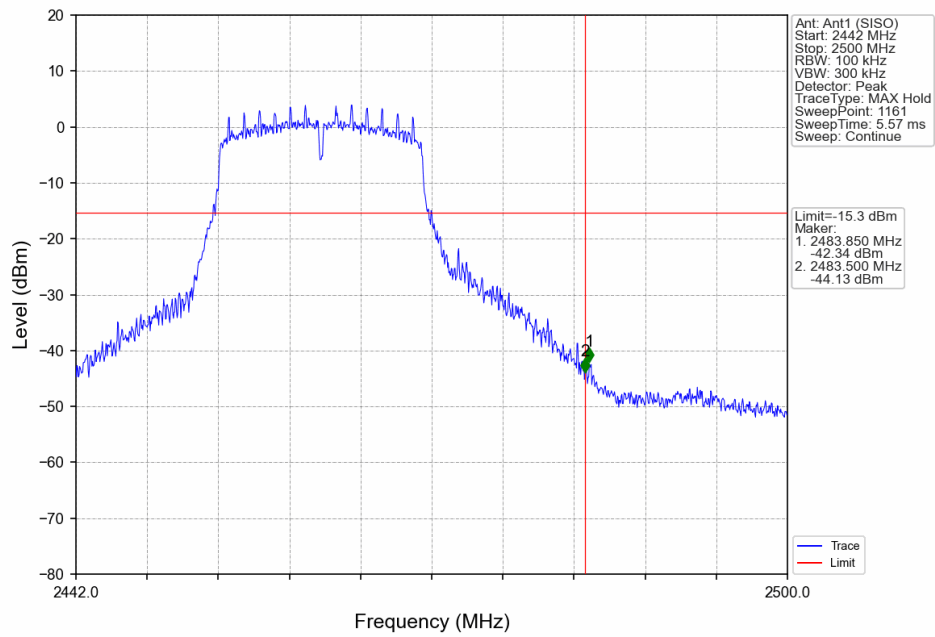
802.11g LCH 2412MHz Ant1 (SISO) NTN



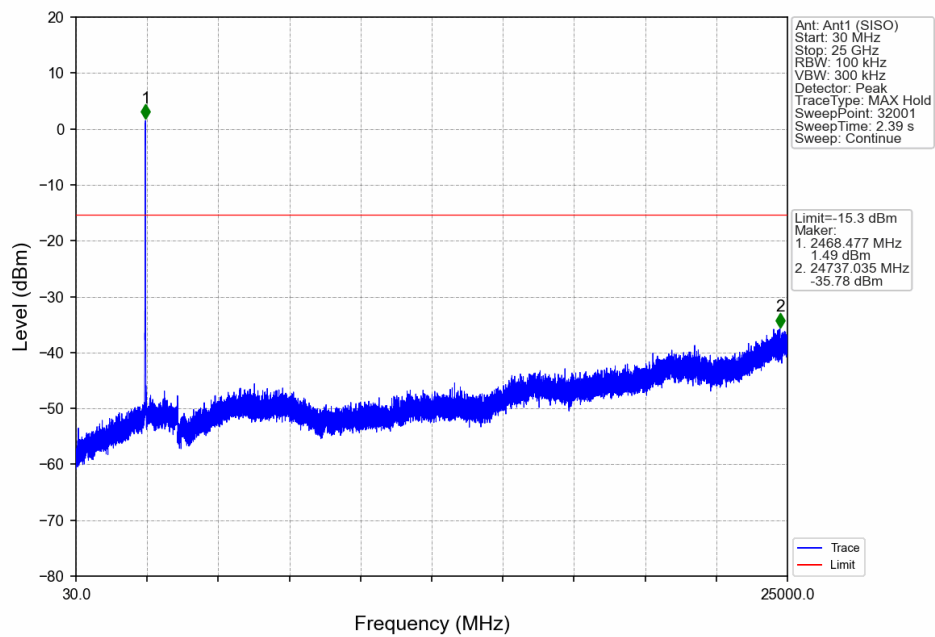
802.11g MCH 2437MHz Ant1 (SISO) NTN



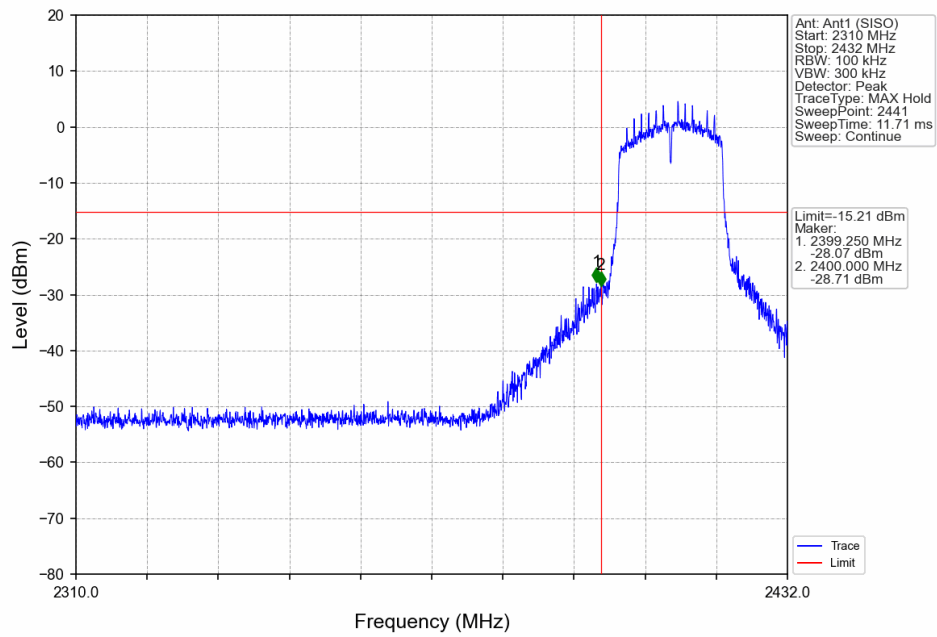
802.11g HCH 2462MHz Ant1 (SISO) NTN



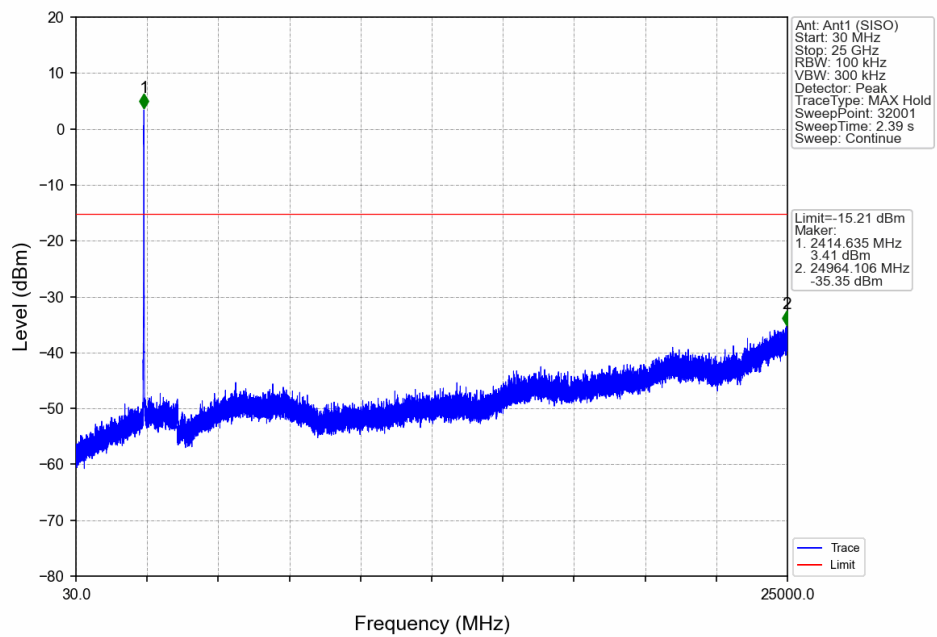
802.11g HCH 2462MHz Ant1 (SISO) NTN



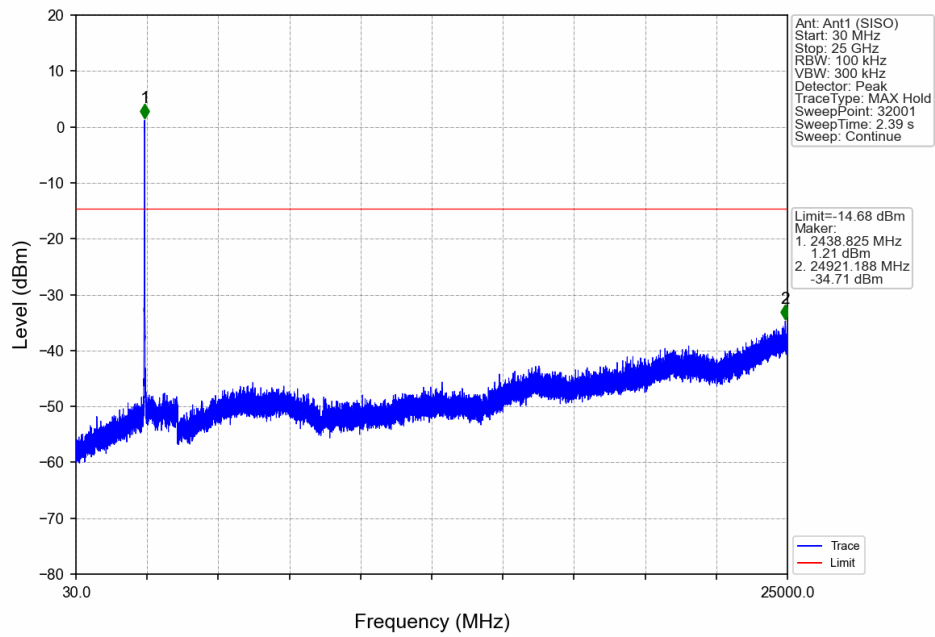
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



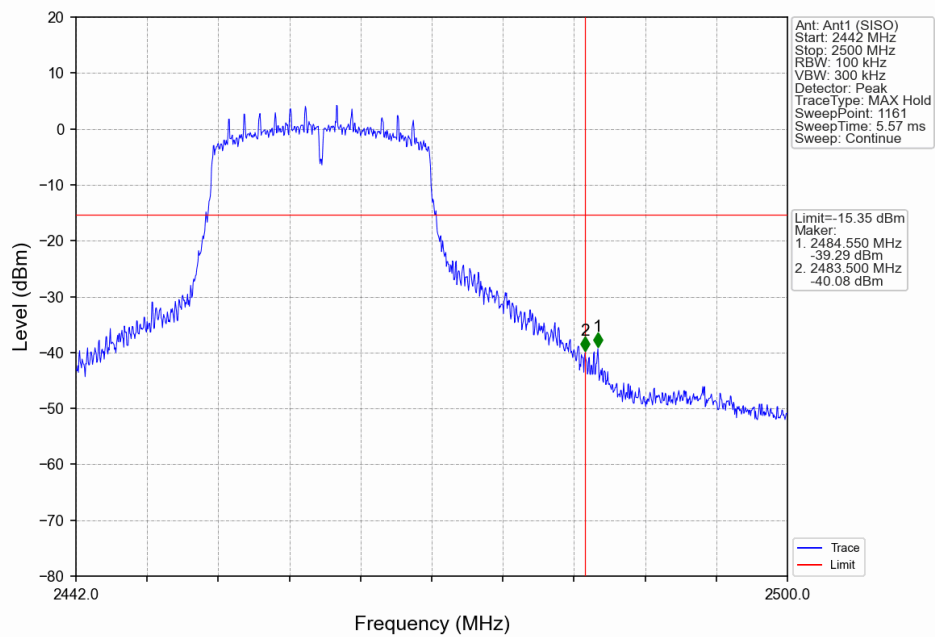
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



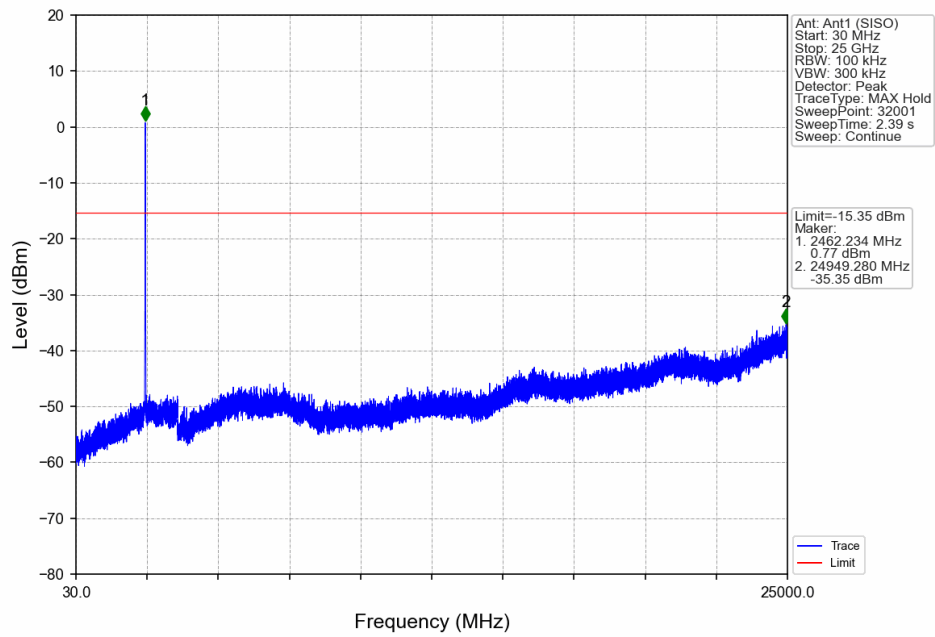
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



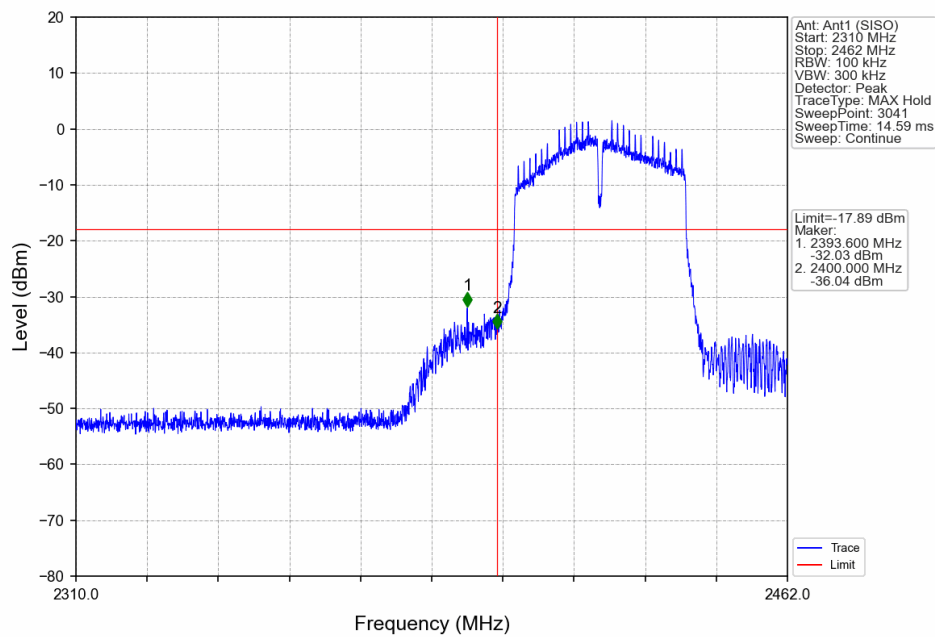
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



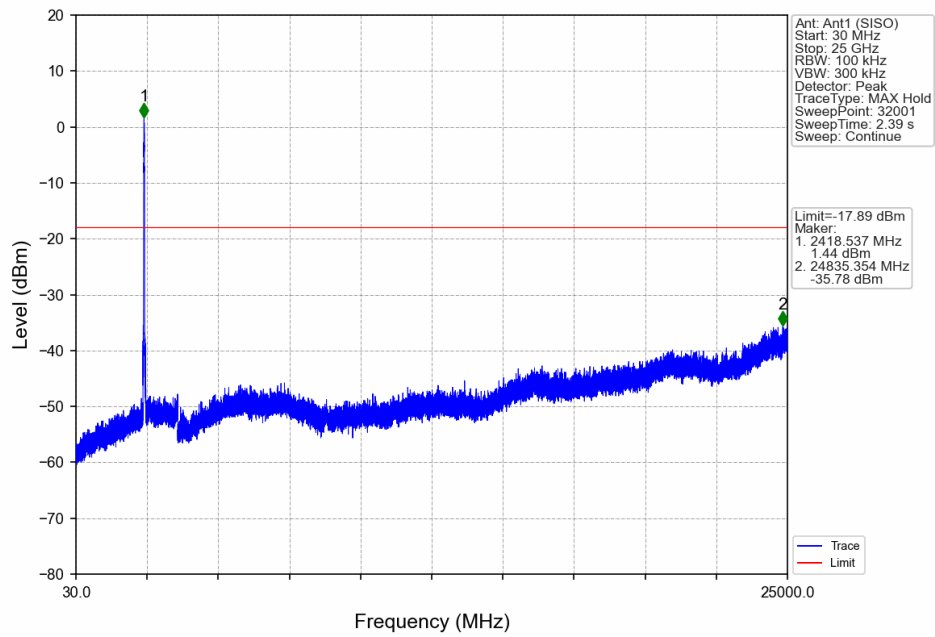
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



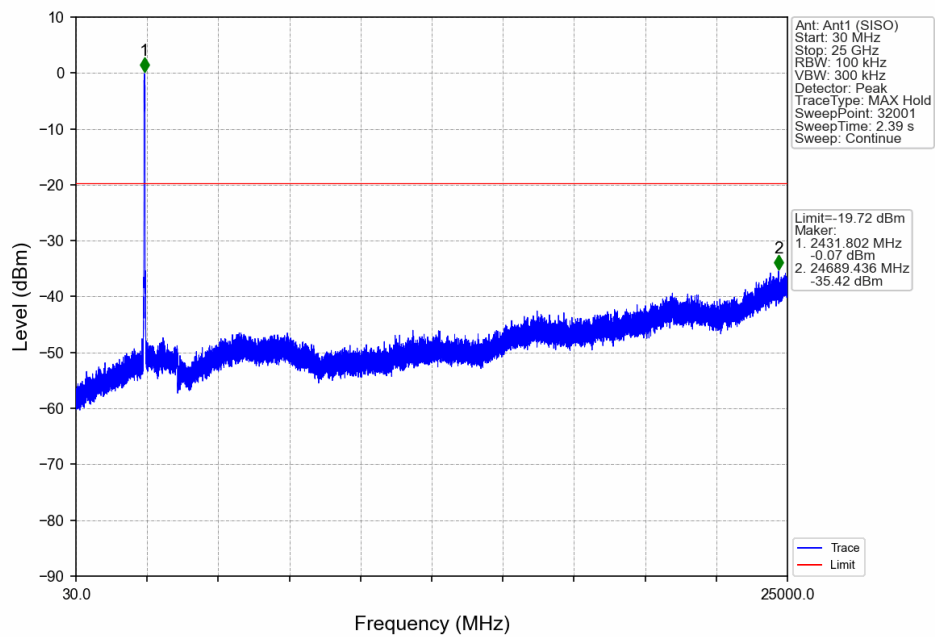
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



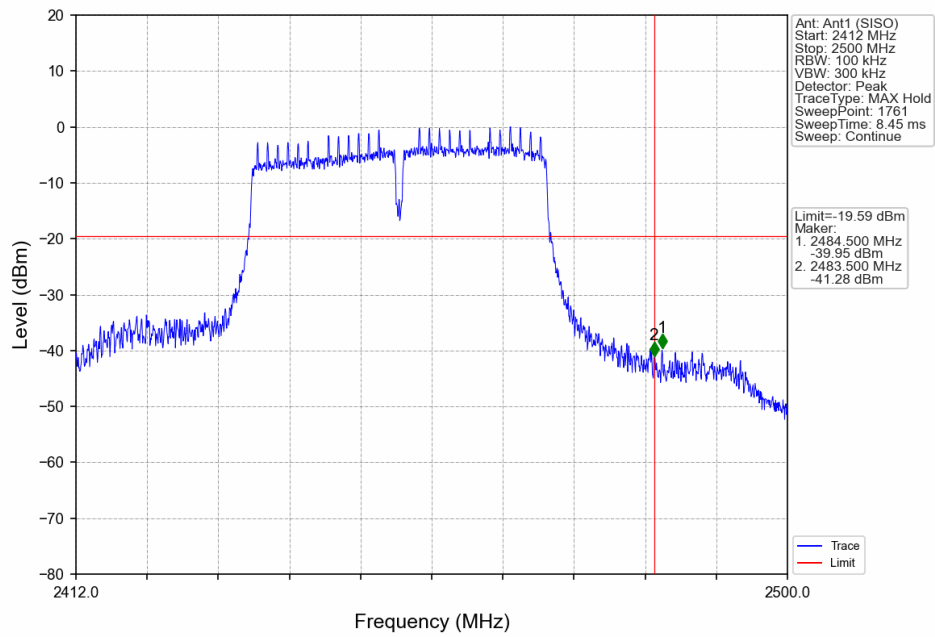
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

