

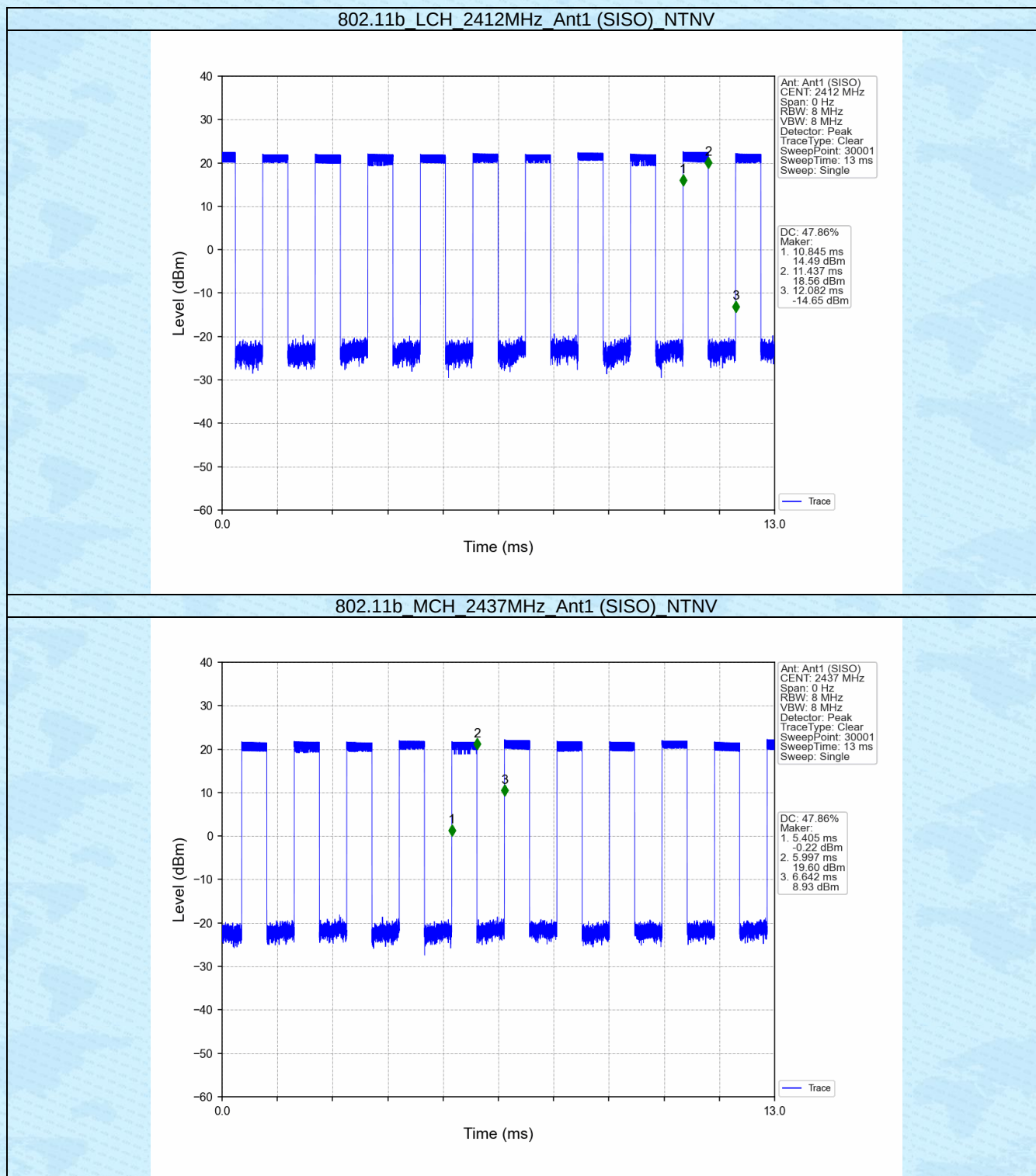
1. Duty Cycle

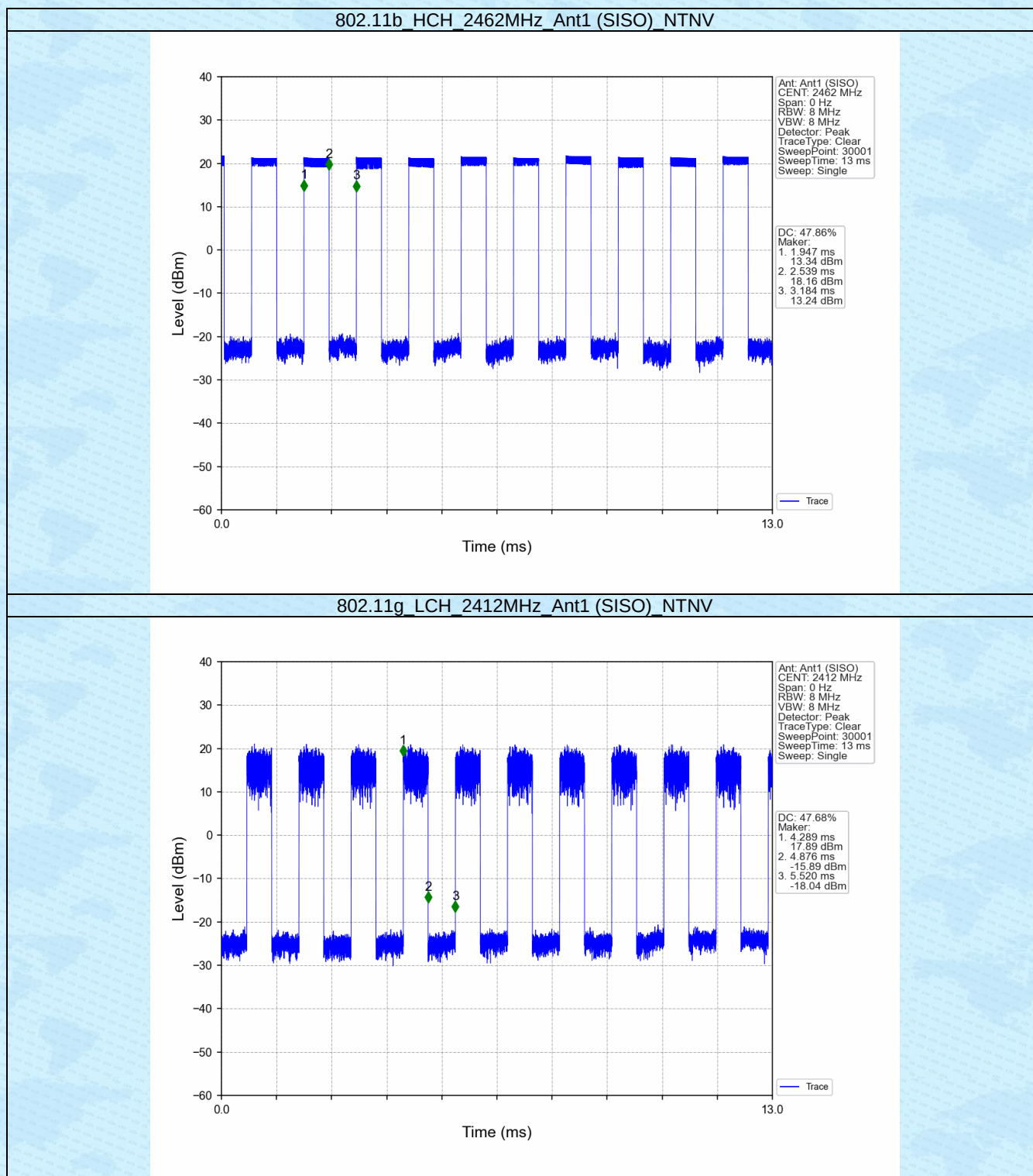
1.1 Ant1

1.1.1 Test Result

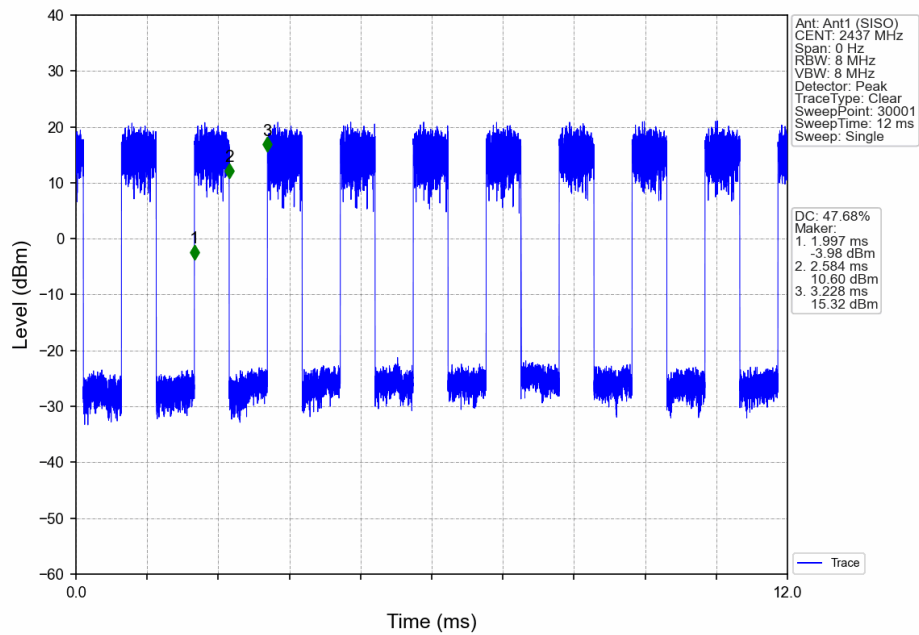
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.592	1.237	47.86	3.20	0.05
		2437	0.592	1.237	47.86	3.20	0.07
		2462	0.592	1.237	47.86	3.20	0.07
802.11g	SISO	2412	0.587	1.231	47.68	3.22	0.05
		2437	0.587	1.231	47.68	3.22	0.05
		2462	0.587	1.231	47.68	3.22	0.07
802.11n (HT20)	SISO	2412	0.563	1.207	46.64	3.31	0.02
		2437	0.563	1.207	46.64	3.31	0.02
		2462	0.563	1.208	46.61	3.32	0.02
802.11n (HT40)	SISO	2422	0.583	1.227	47.51	3.23	0.05
		2437	0.583	1.227	47.51	3.23	0.05
		2452	0.583	1.227	47.51	3.23	0.05

1.1.2 Test Graph

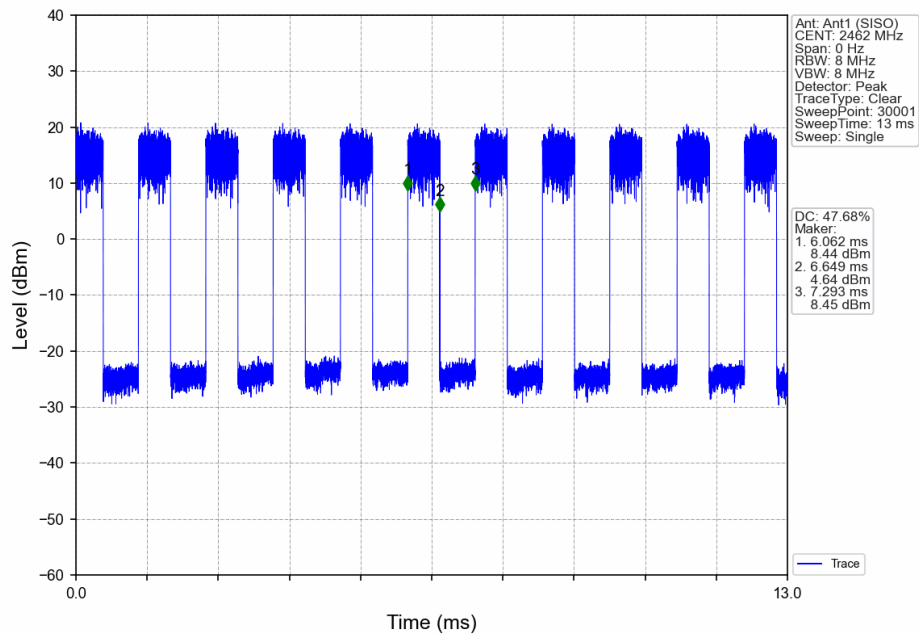




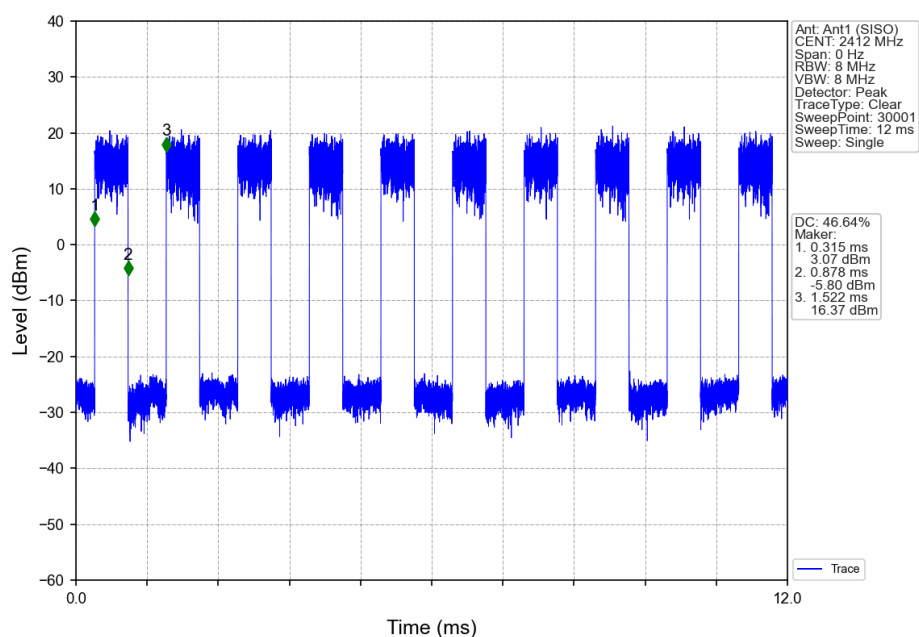
802.11g MCH 2437MHz Ant1 (SISO) NTN



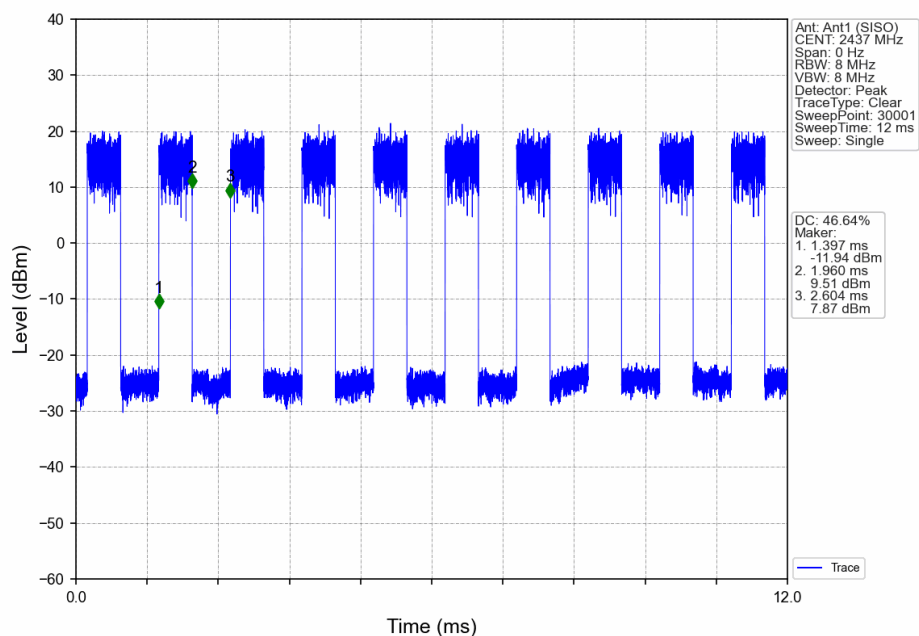
802.11g HCH 2462MHz Ant1 (SISO) NTN



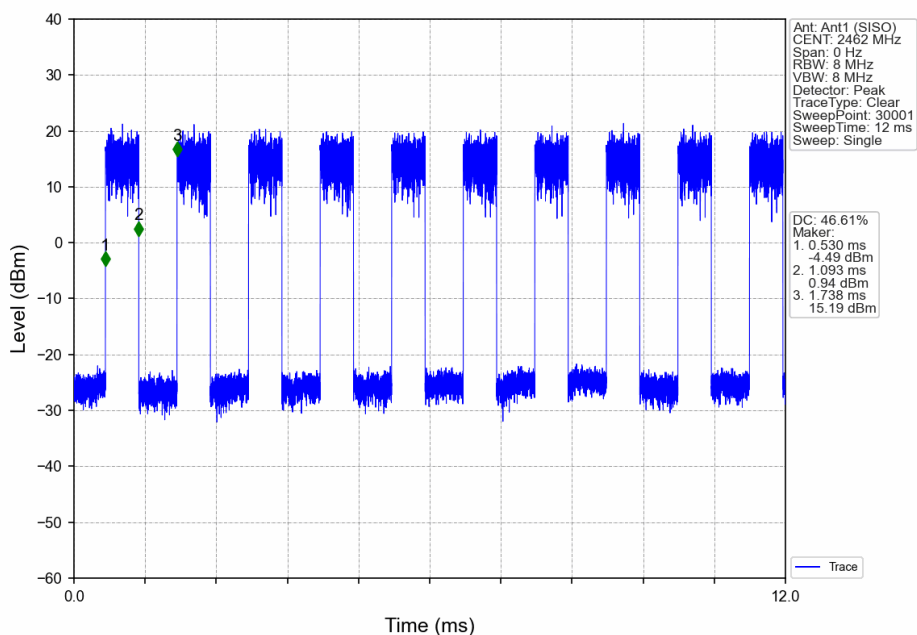
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



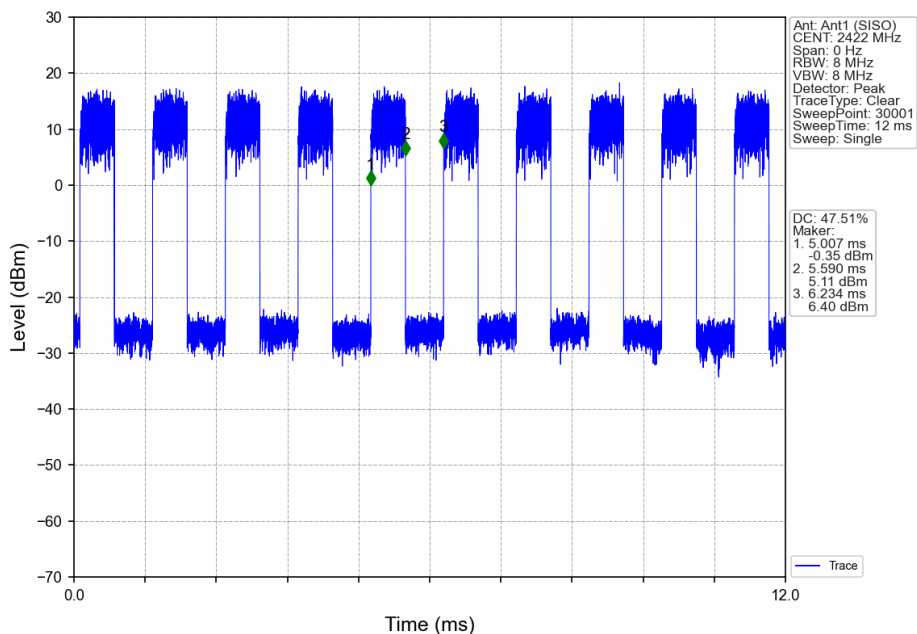
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



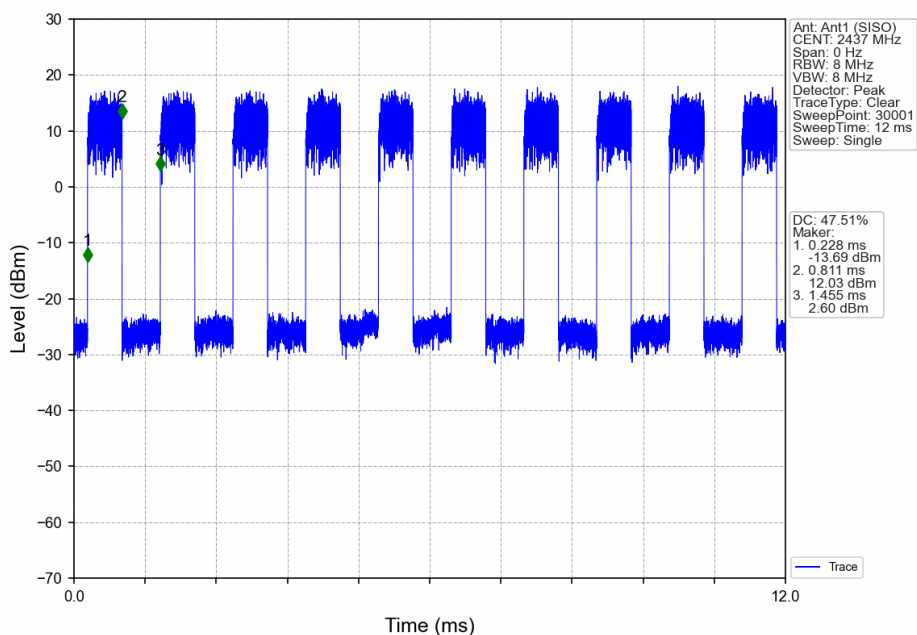
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTV



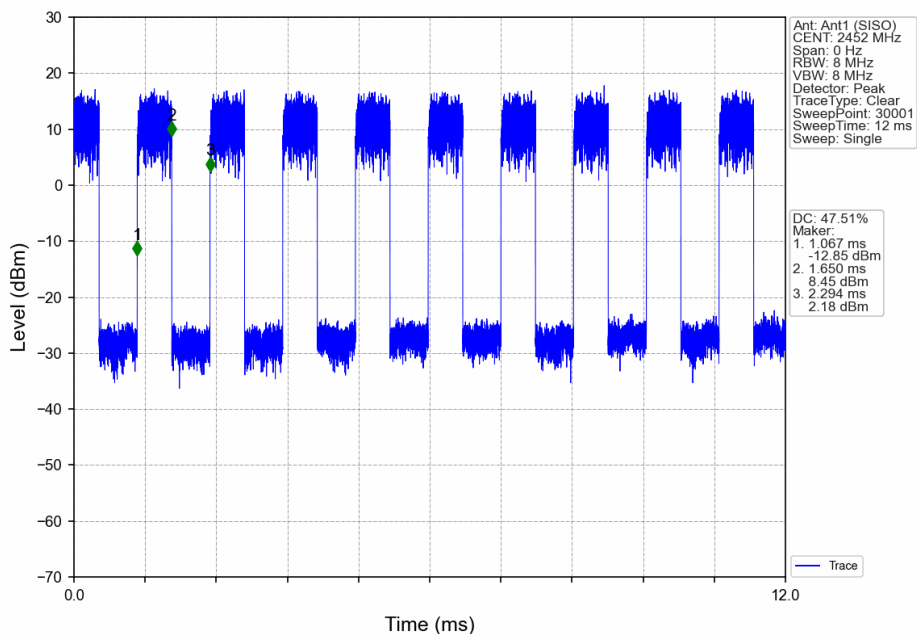
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTV



802.11n(HT40) MCH_2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz Ant1 (SISO) NTNV



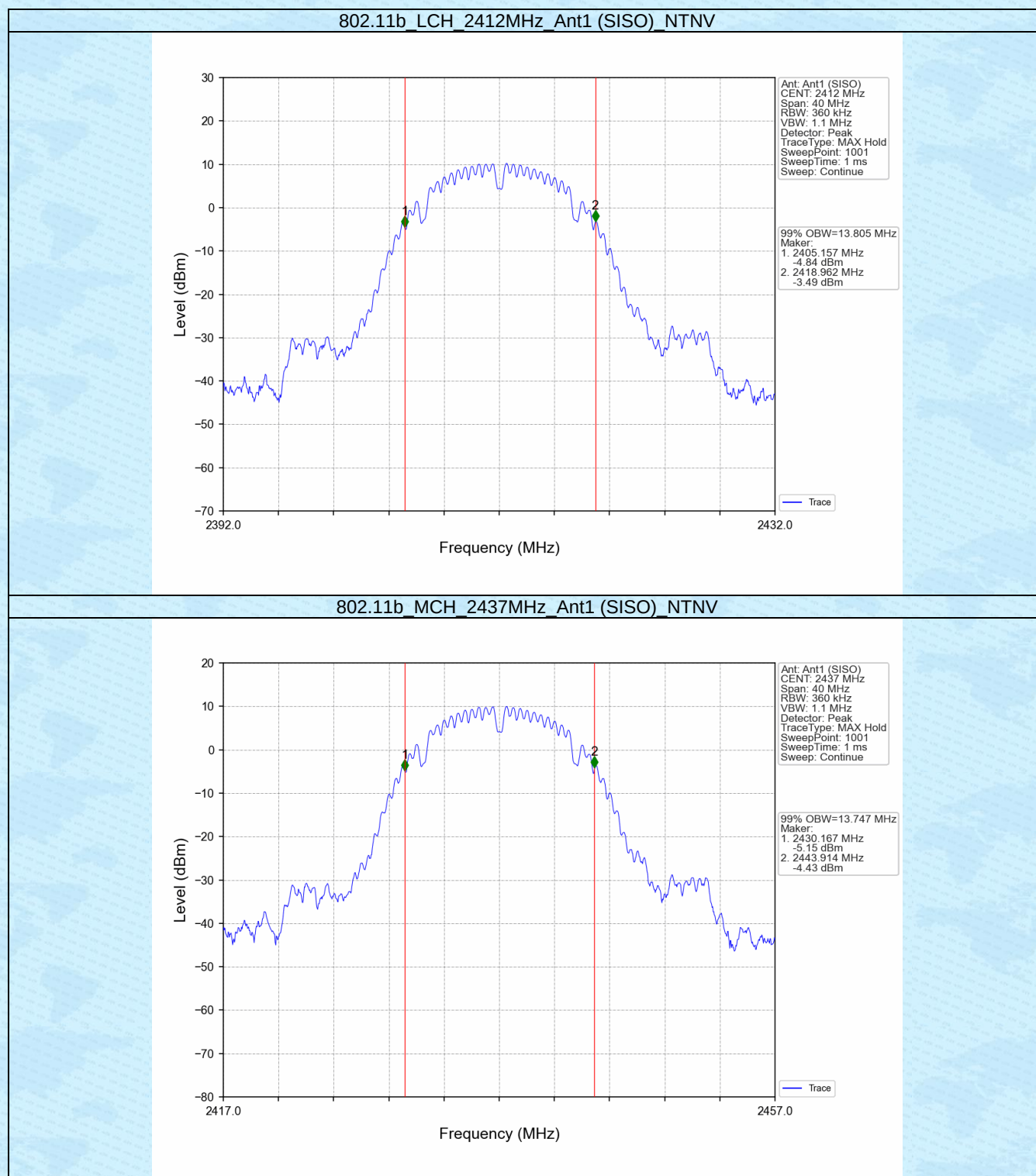
2. Bandwidth

2.1 OBW

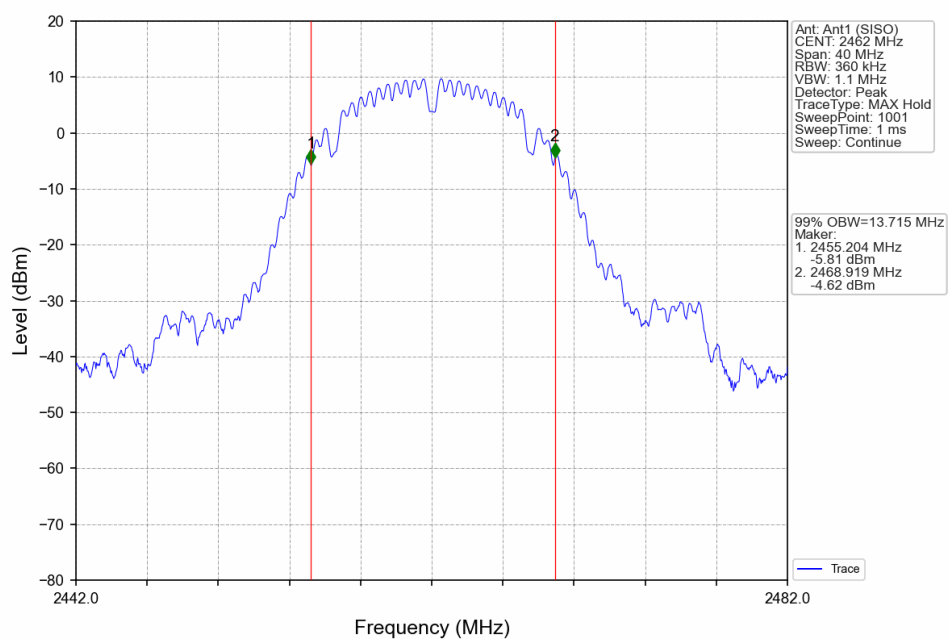
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.805	Pass
		2437	1	13.747	Pass
		2462	1	13.715	Pass
802.11g	SISO	2412	1	19.093	Pass
		2437	1	19.079	Pass
		2462	1	19.078	Pass
802.11n (HT20)	SISO	2412	1	19.872	Pass
		2437	1	19.766	Pass
		2462	1	19.895	Pass
802.11n (HT40)	SISO	2422	1	39.823	Pass
		2437	1	39.849	Pass
		2452	1	39.818	Pass

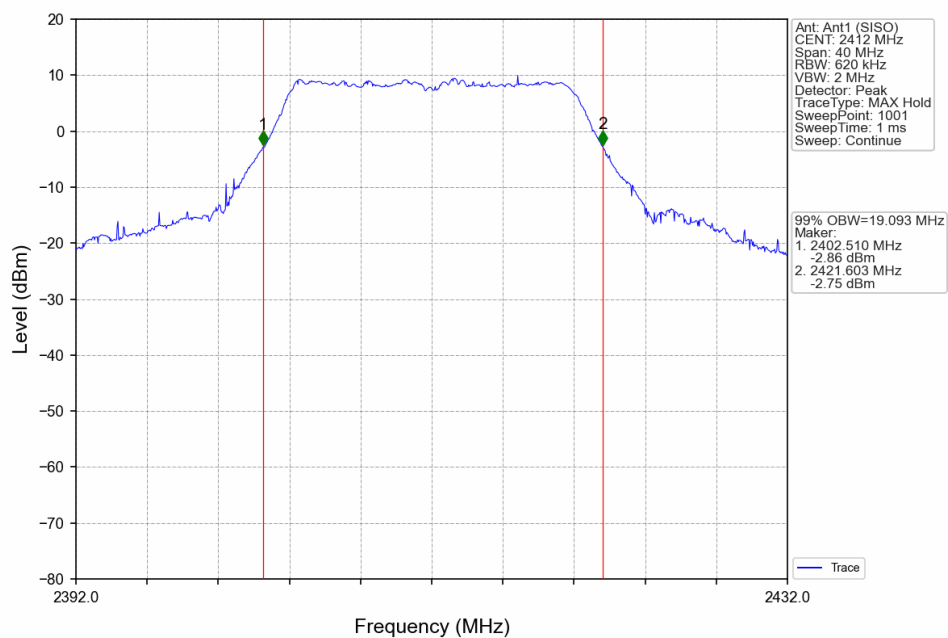
2.1.2 Test Graph



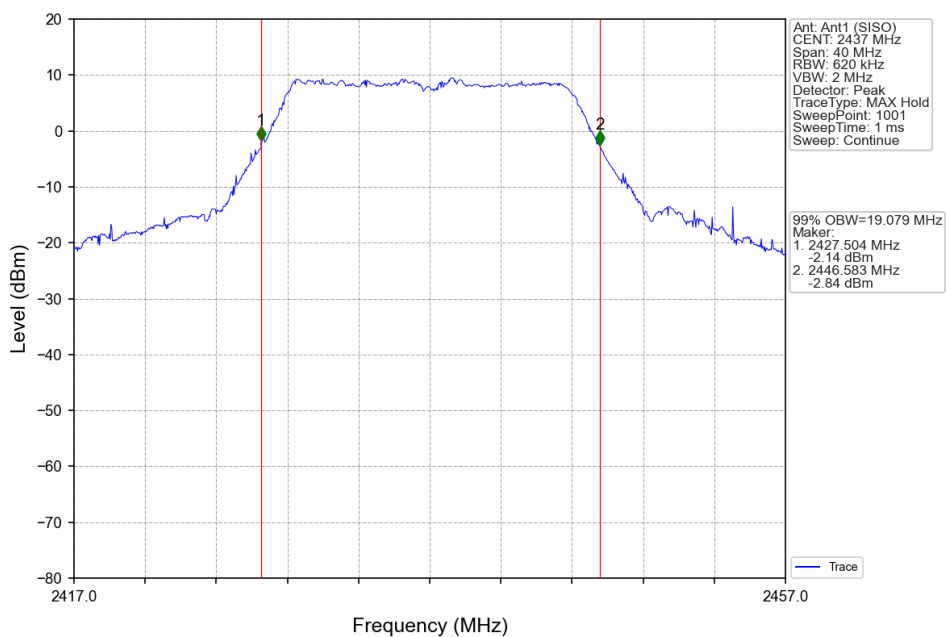
802.11b HCH 2462MHz_Ant1 (SISO) NTN



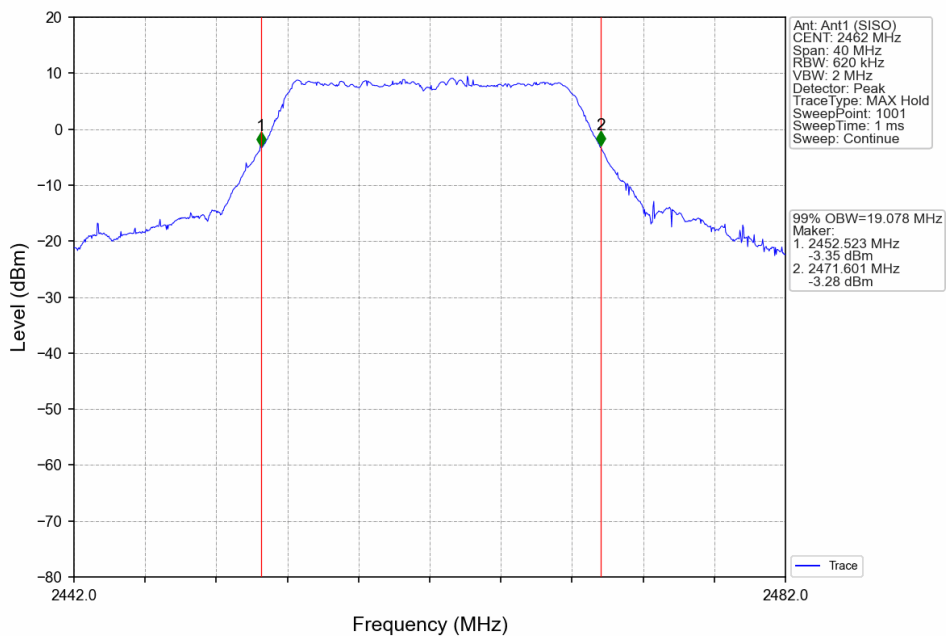
802.11g LCH 2412MHz_Ant1 (SISO) NTN



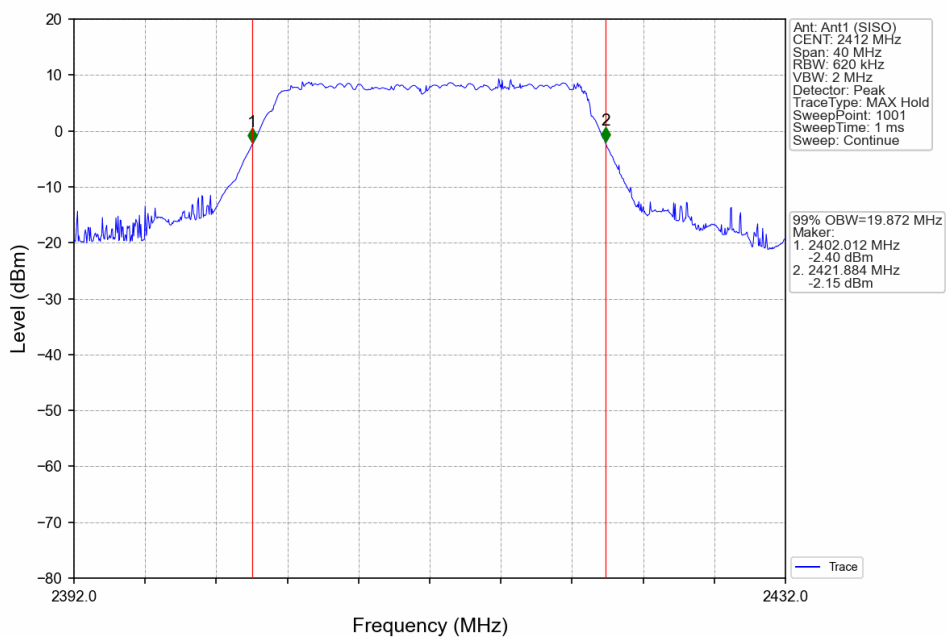
802.11g MCH 2437MHz Ant1 (SISO) NTN



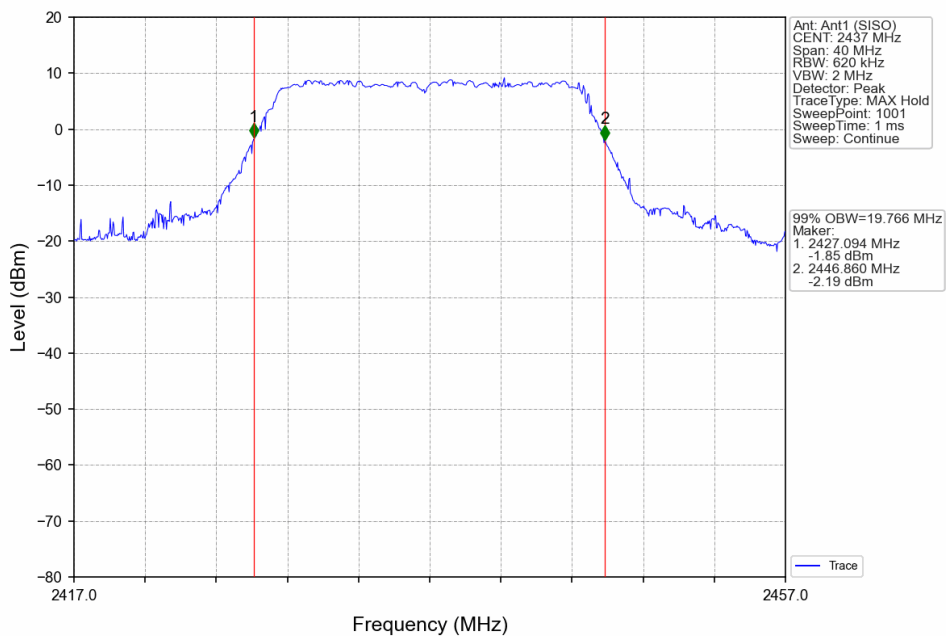
802.11g HCH 2462MHz Ant1 (SISO) NTN



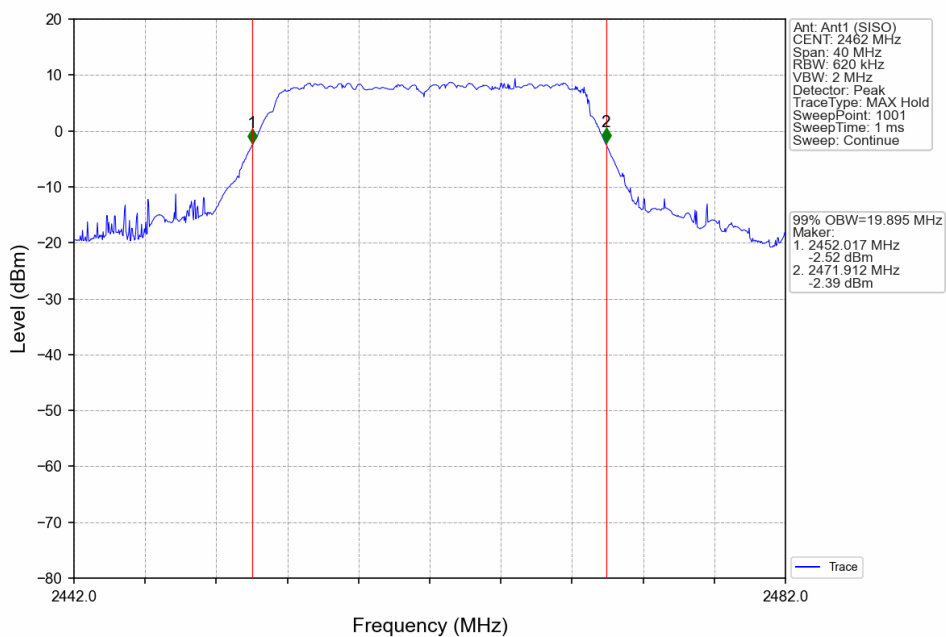
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



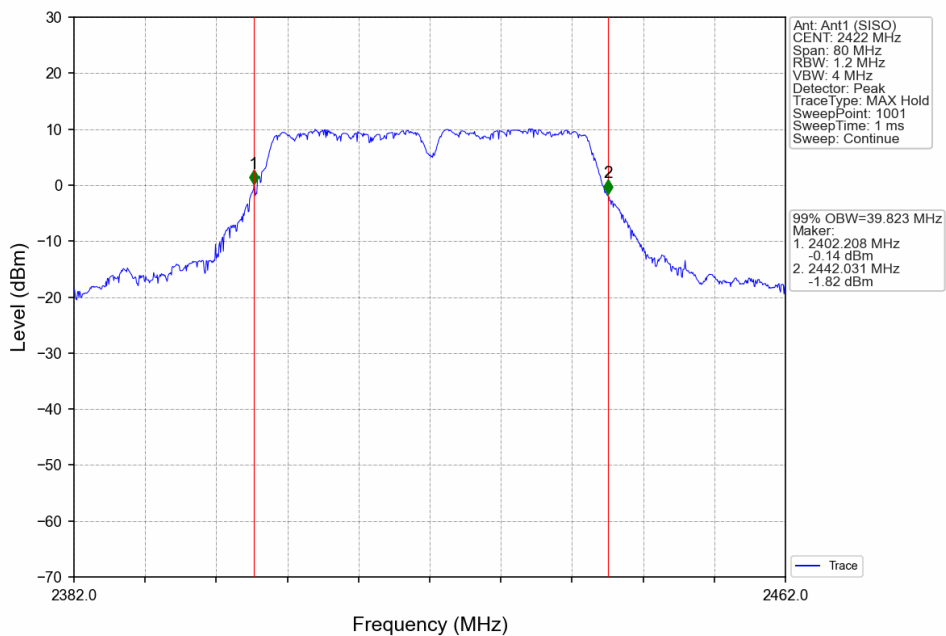
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



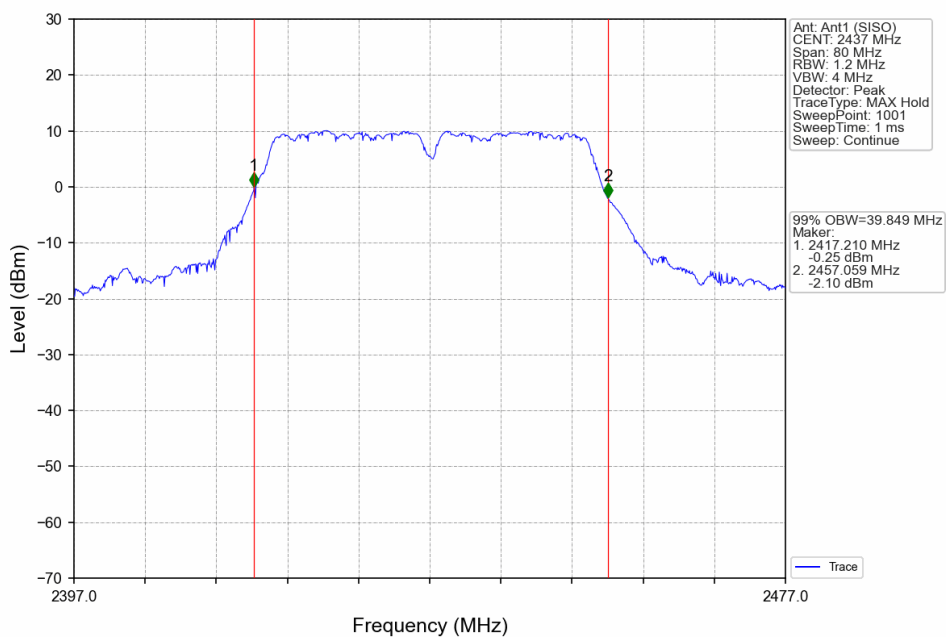
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



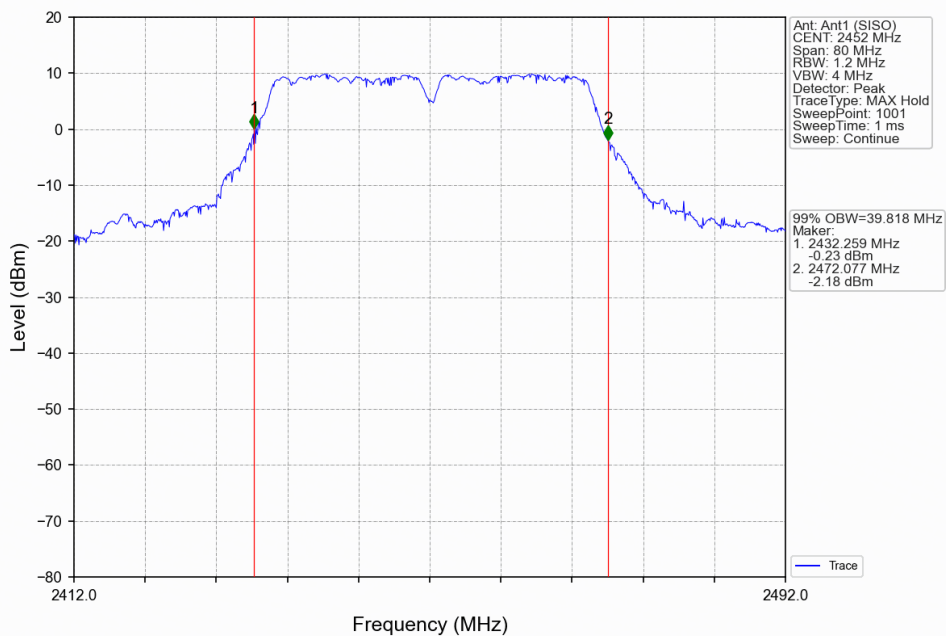
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

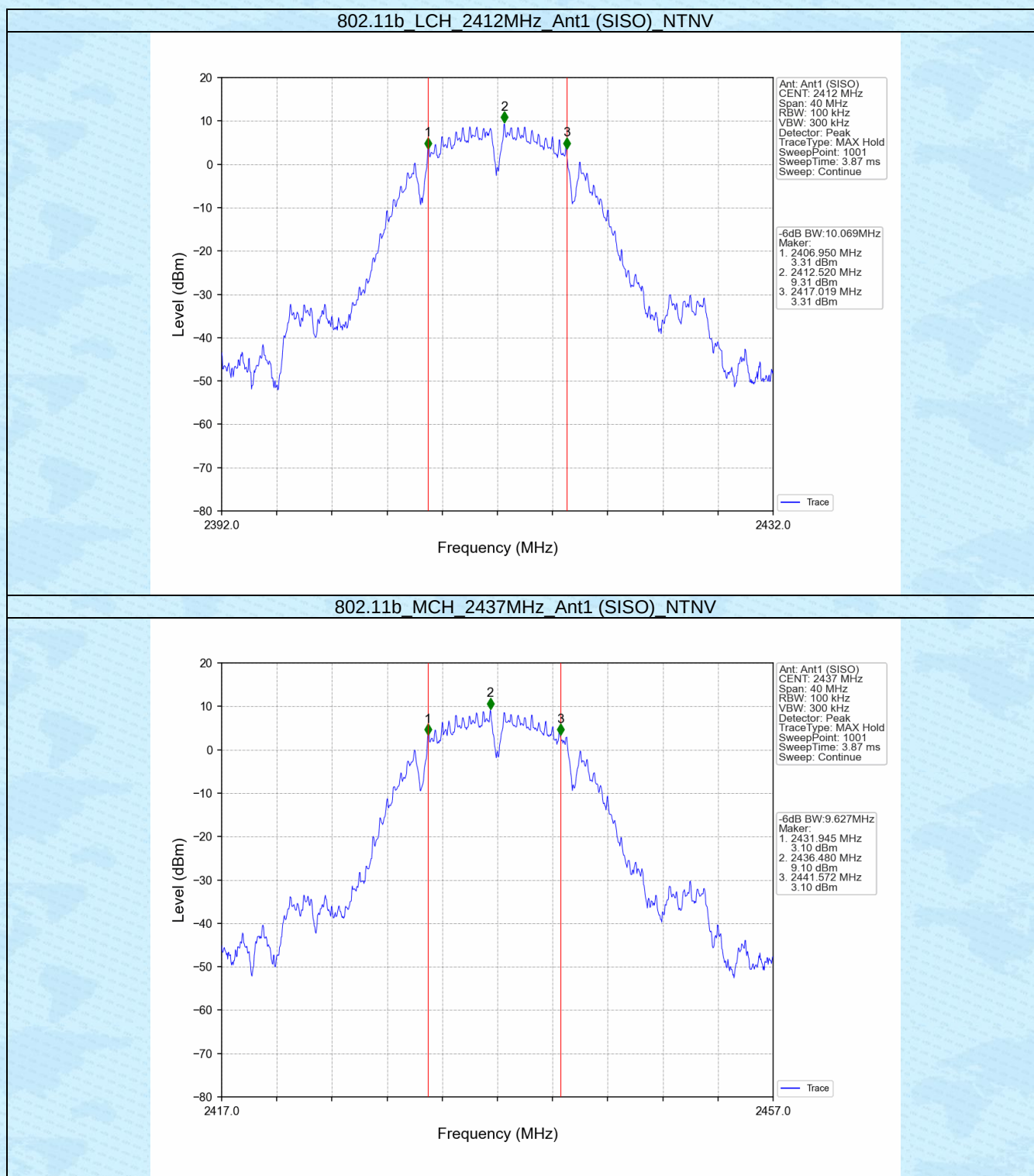


2.2 6dB BW

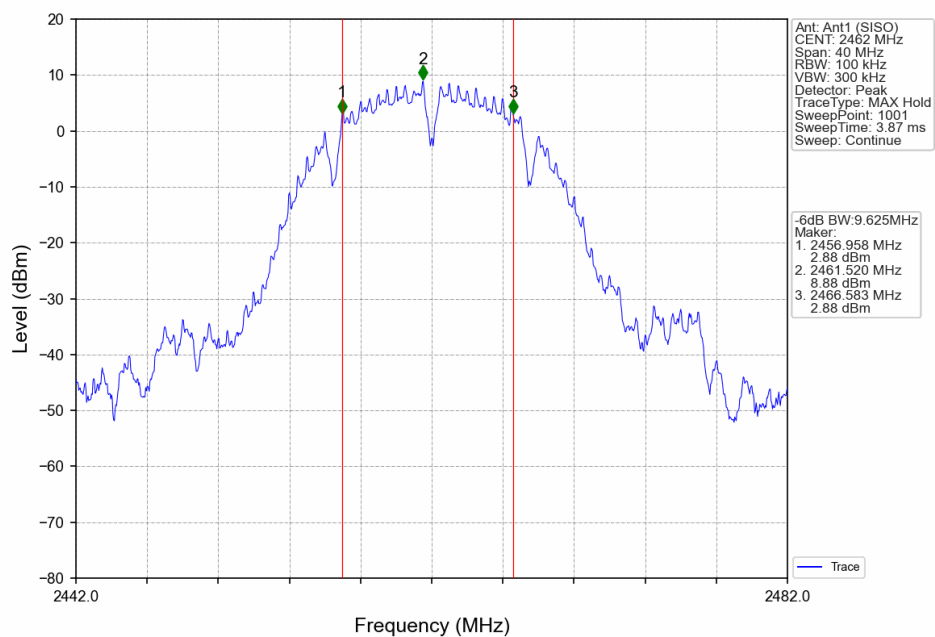
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.069	≥ 0.5	Pass
		2437	1	9.627	≥ 0.5	Pass
		2462	1	9.625	≥ 0.5	Pass
802.11g	SISO	2412	1	16.359	≥ 0.5	Pass
		2437	1	16.342	≥ 0.5	Pass
		2462	1	16.358	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.567	≥ 0.5	Pass
		2437	1	17.549	≥ 0.5	Pass
		2462	1	17.537	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.143	≥ 0.5	Pass
		2437	1	36.133	≥ 0.5	Pass
		2452	1	36.140	≥ 0.5	Pass

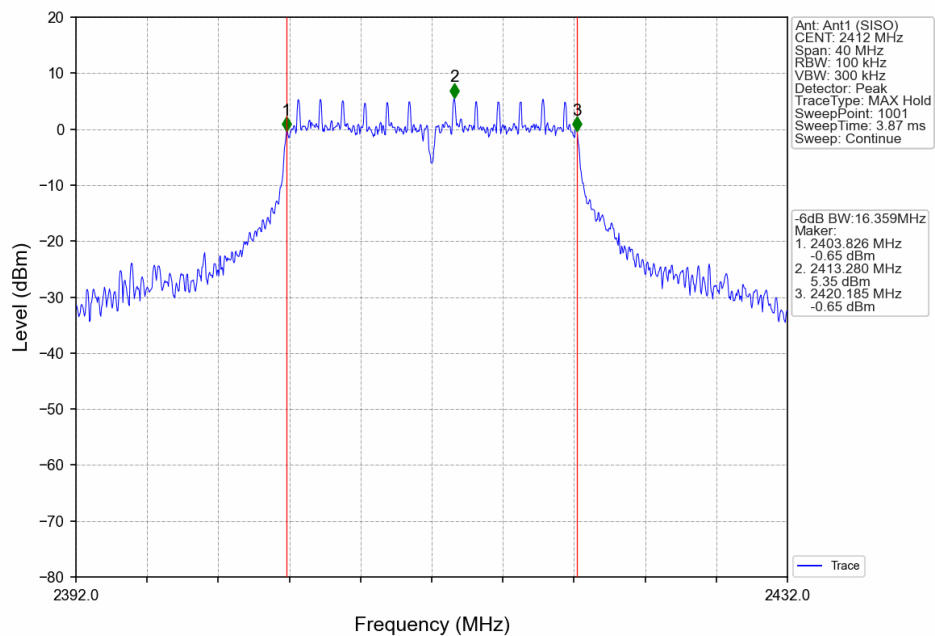
2.2.2 Test Graph

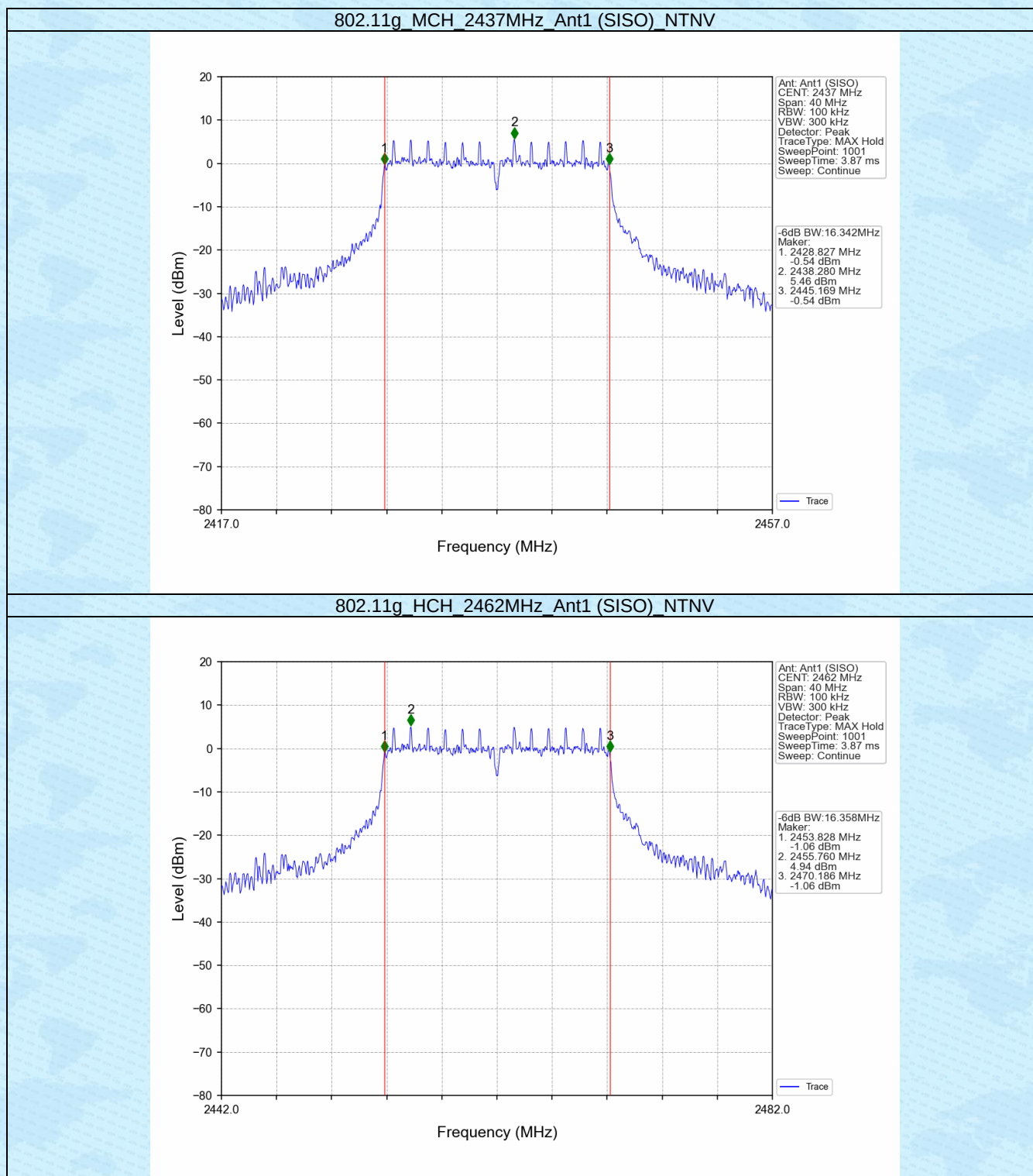


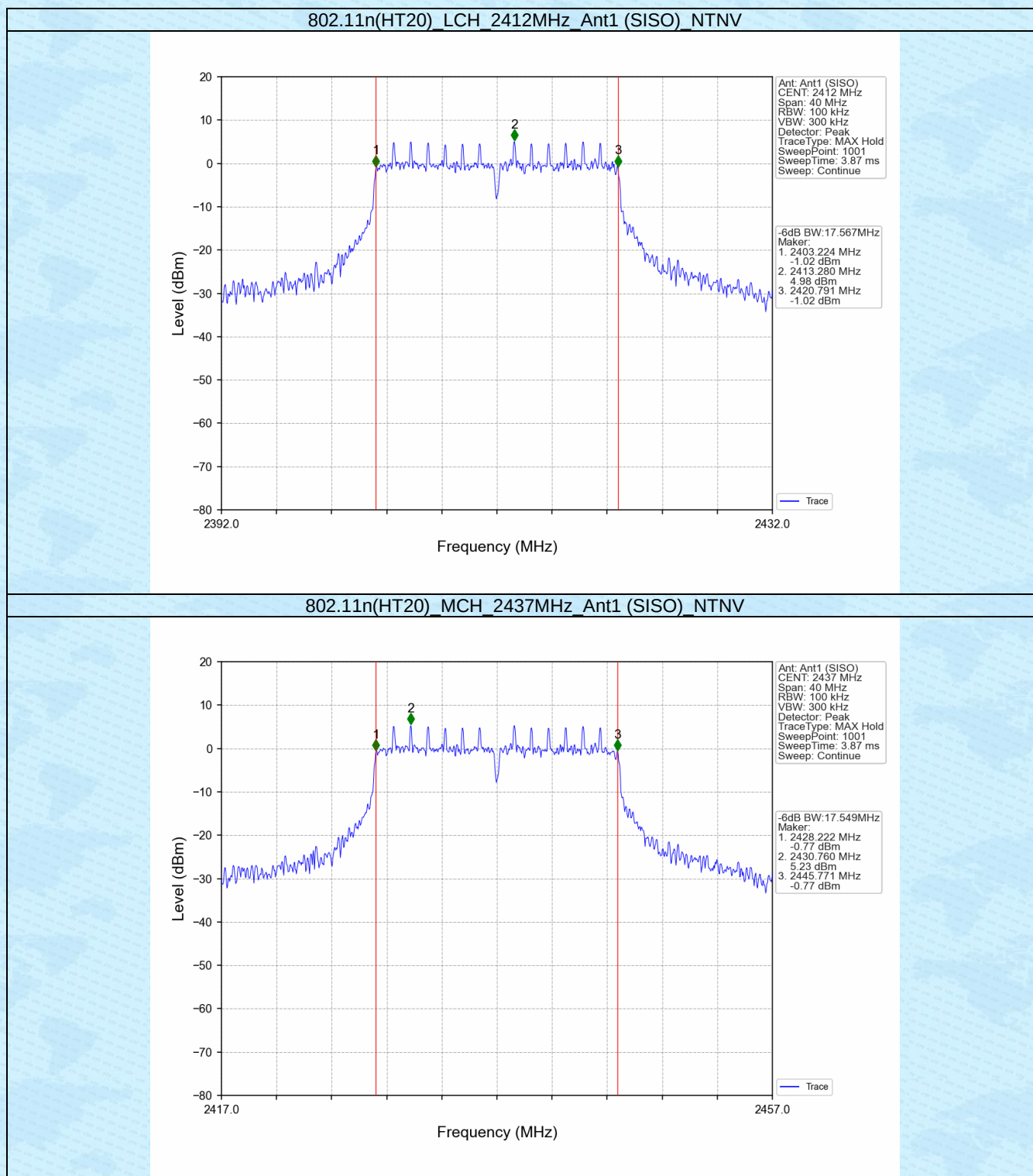
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV

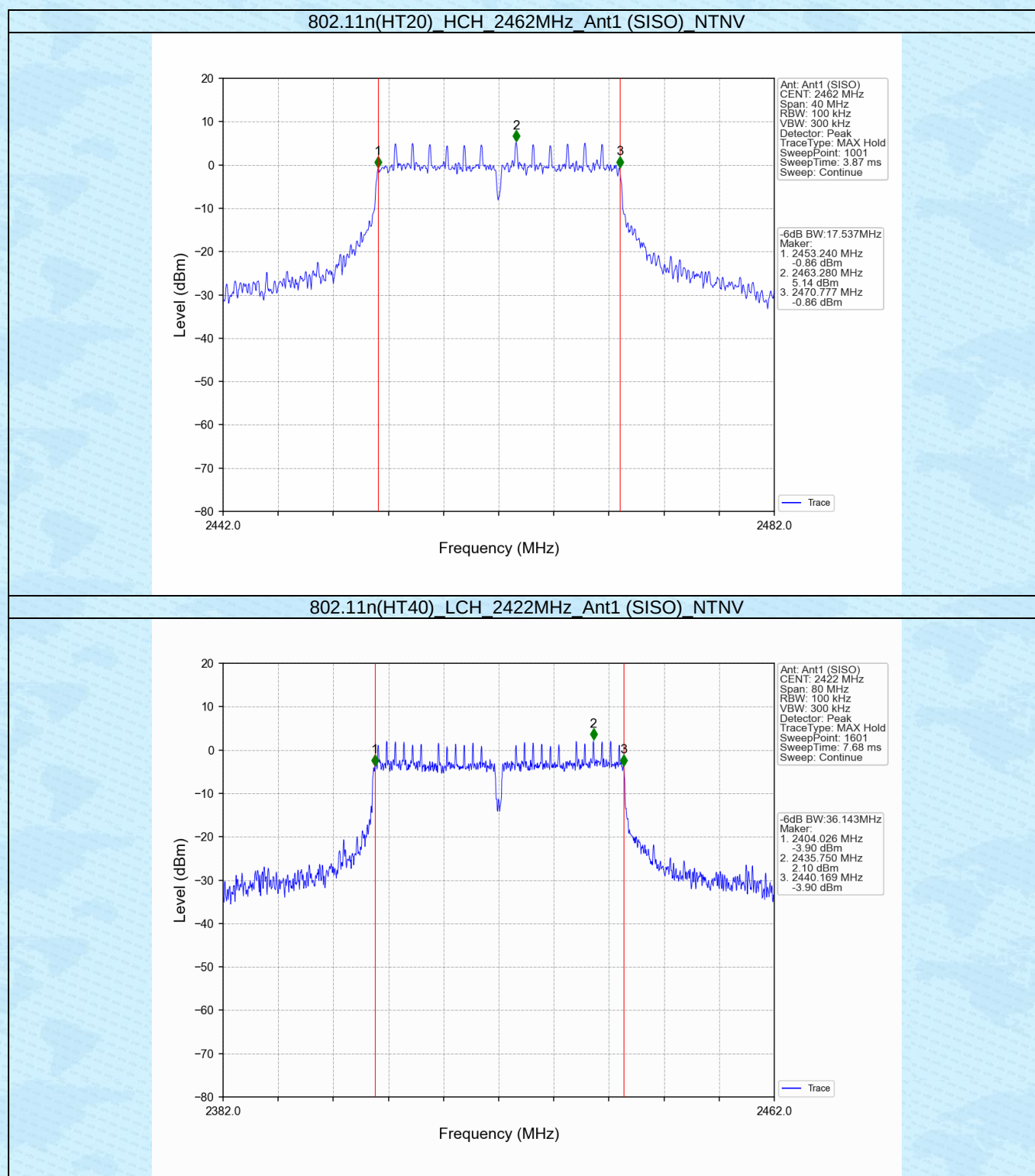


802.11g LCH 2412MHz_Ant1 (SISO)_NTNV

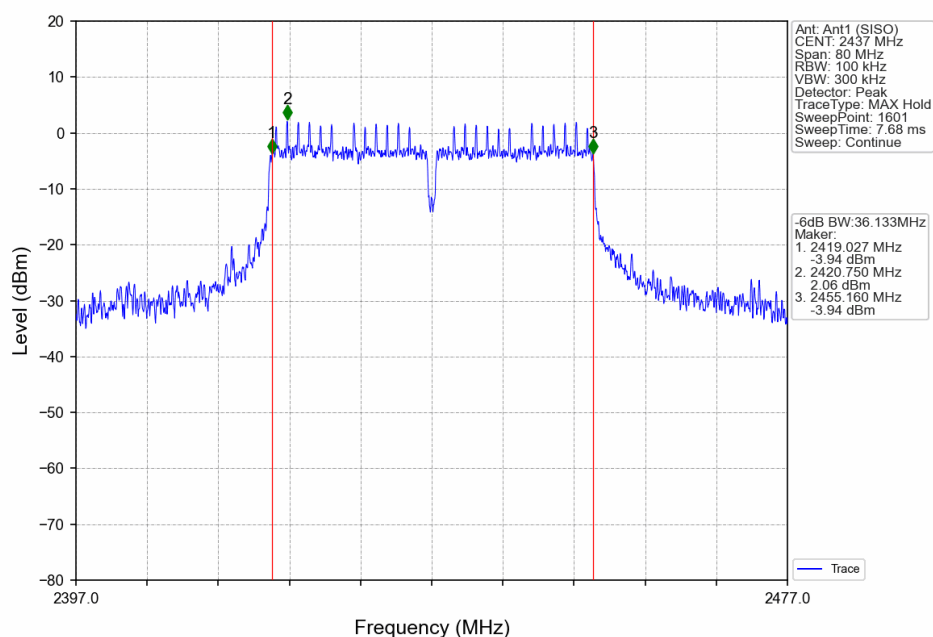




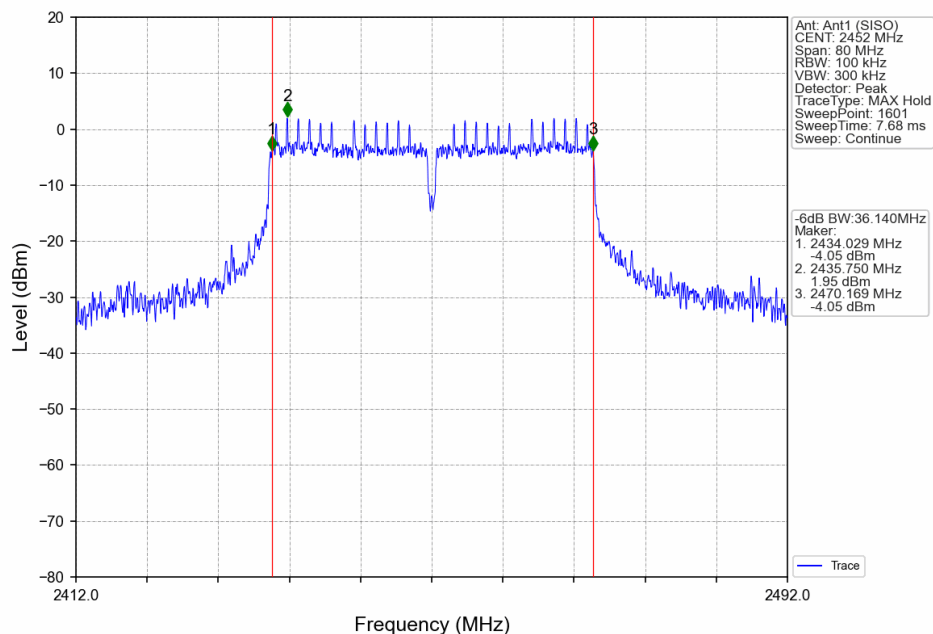




802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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 Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	21.23	<=30	Pass
		2437	20.97	<=30	Pass
		2462	20.64	<=30	Pass
802.11g	SISO	2412	23.19	<=30	Pass
		2437	23.21	<=30	Pass
		2462	22.83	<=30	Pass
802.11n (HT20)	SISO	2412	22.90	<=30	Pass
		2437	23.10	<=30	Pass
		2462	22.92	<=30	Pass
802.11n (HT40)	SISO	2422	23.01	<=30	Pass
		2437	23.05	<=30	Pass
		2452	22.85	<=30	Pass

Note1: Antenna Gain: Ant1: 4.23dBi;

4. Maximum Power Spectral Density

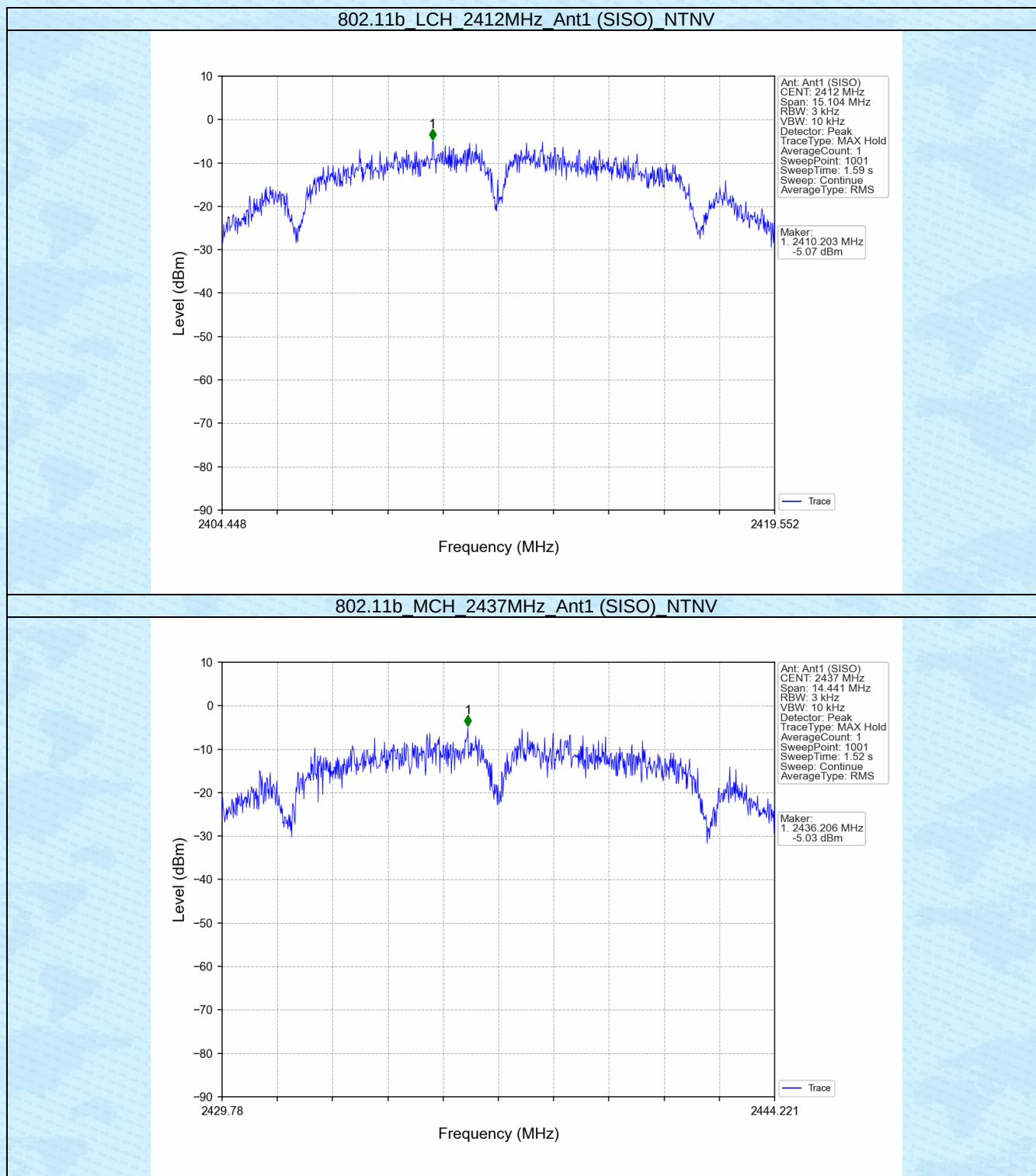
4.1 PSD

4.1.1 Test Result

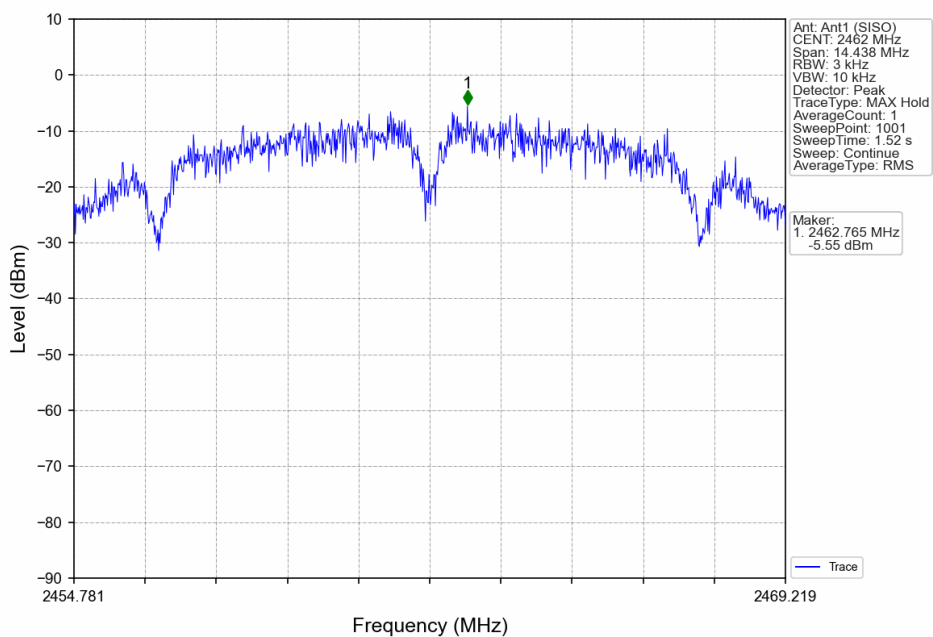
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-5.07	<=8	Pass
		2437	-5.03	<=8	Pass
		2462	-5.55	<=8	Pass
802.11g	SISO	2412	-9.91	<=8	Pass
		2437	-9.23	<=8	Pass
		2462	-9.58	<=8	Pass
802.11n (HT20)	SISO	2412	-10.52	<=8	Pass
		2437	-10.63	<=8	Pass
		2462	-10.91	<=8	Pass
802.11n (HT40)	SISO	2422	-12.73	<=8	Pass
		2437	-13.63	<=8	Pass
		2452	-13.09	<=8	Pass

Note1: Antenna Gain: Ant1: 4.23dBi;

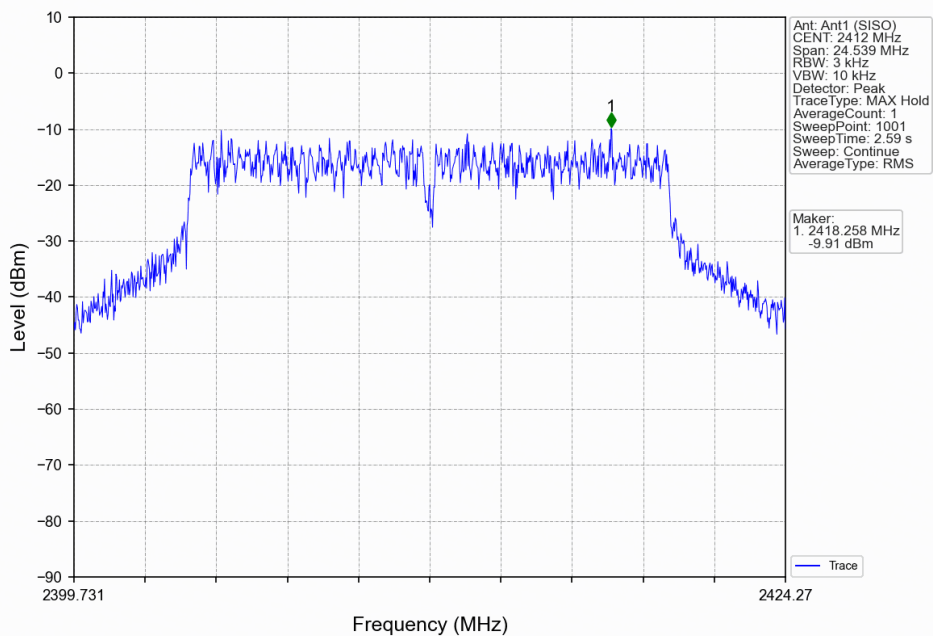
4.1.2 Test Graph

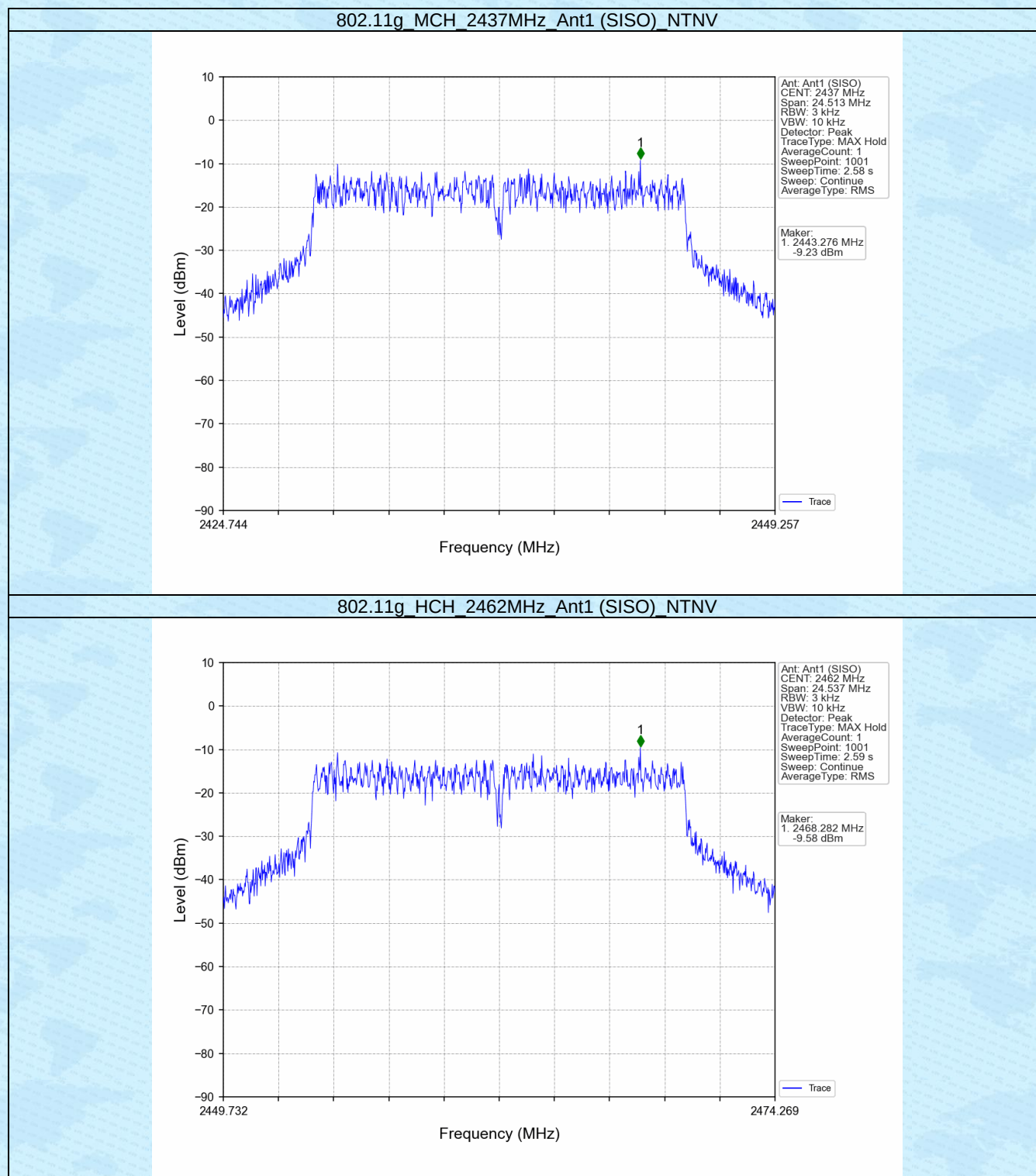


802.11b HCH 2462MHz_Ant1 (SISO) NTN

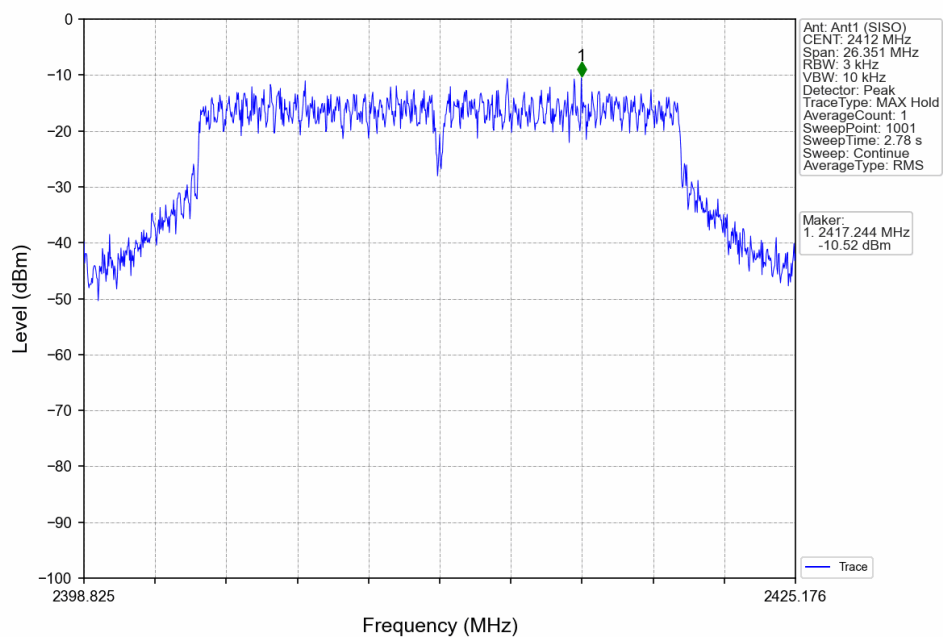


802.11g LCH 2412MHz_Ant1 (SISO) NTN

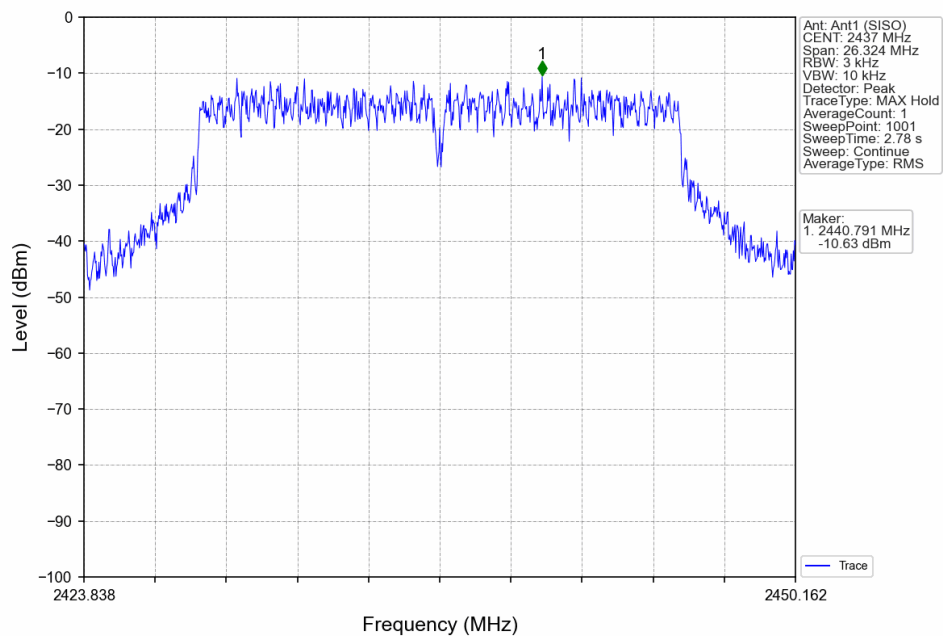


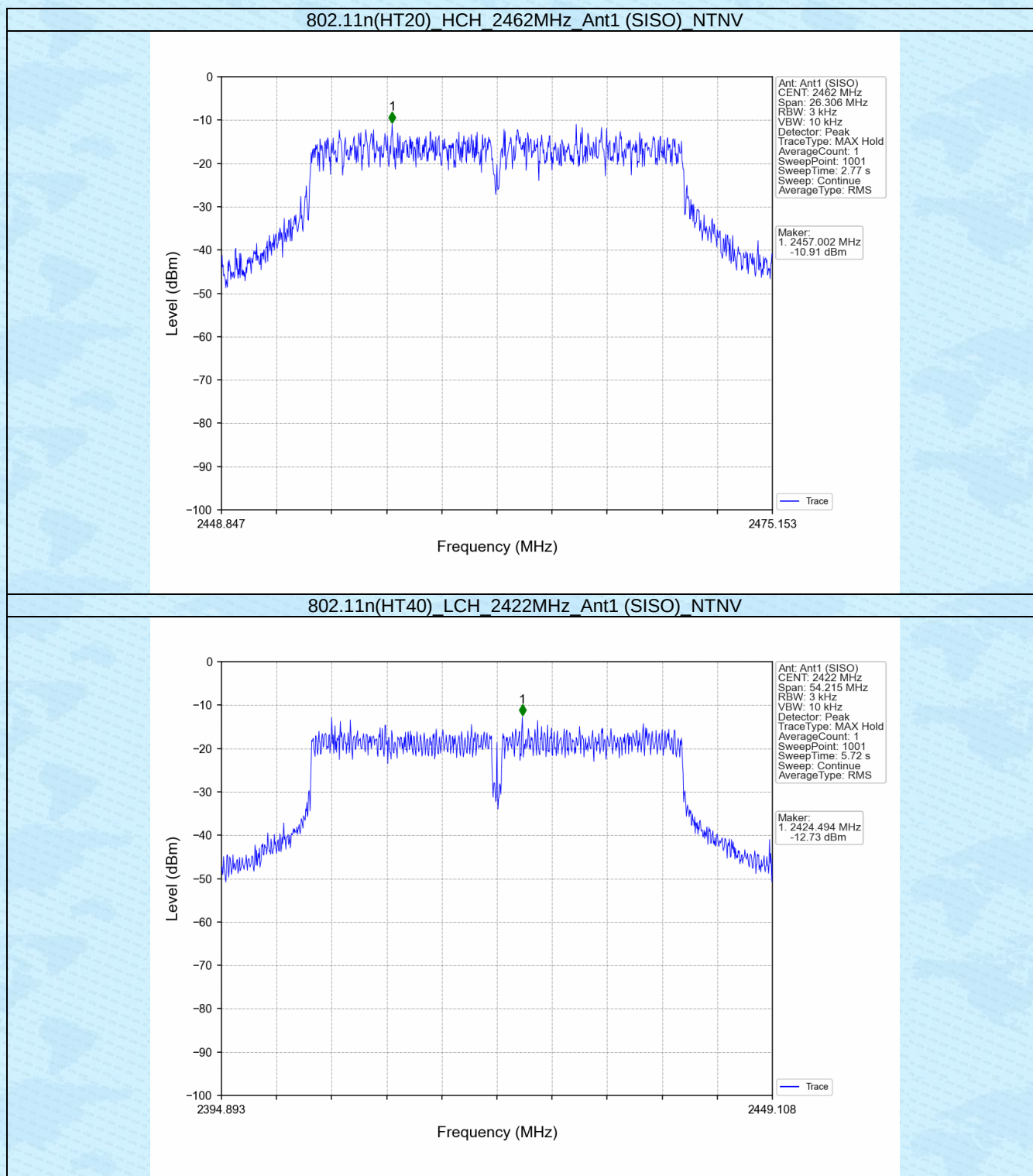


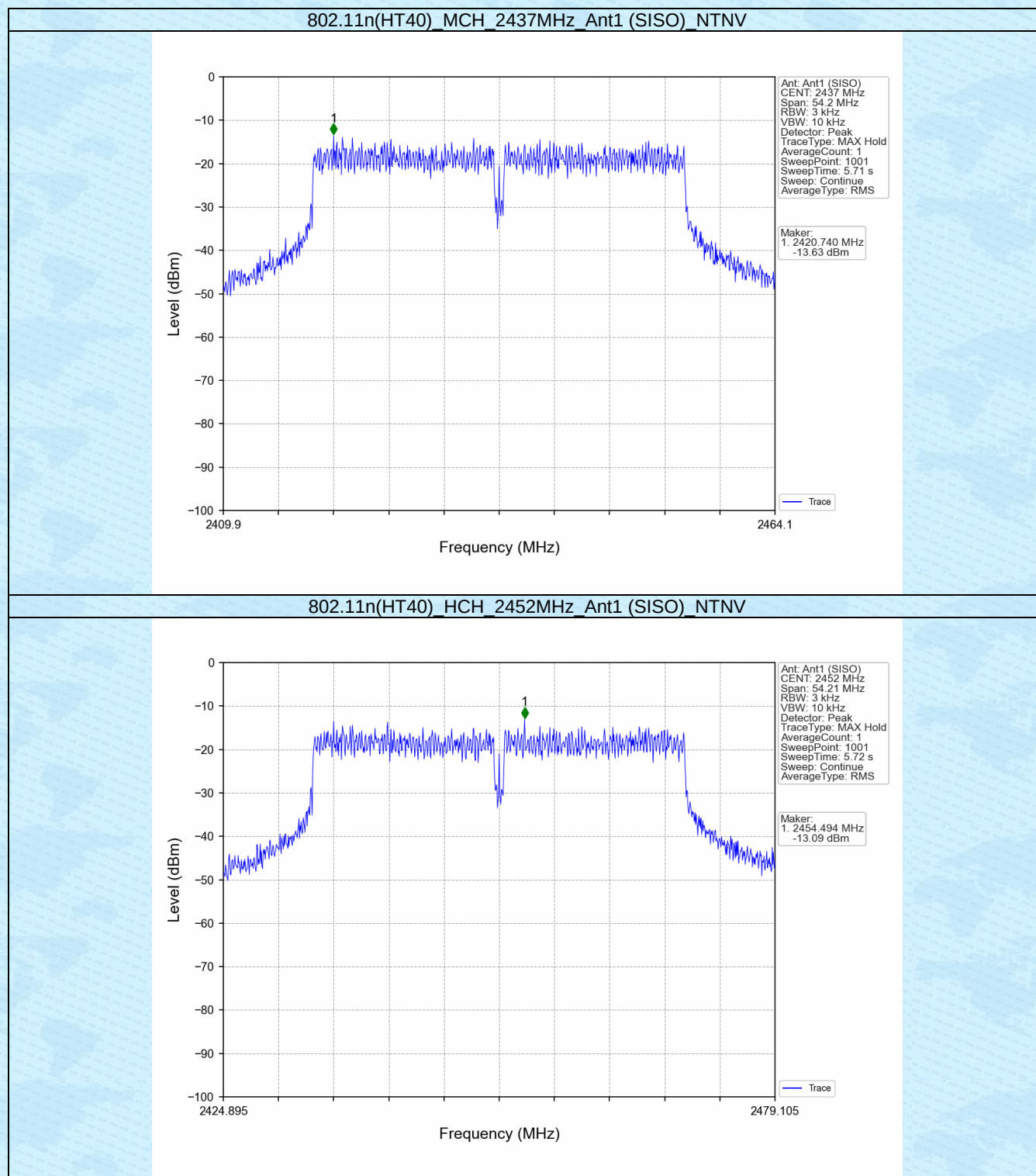
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



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







5. Unwanted Emissions In Non-restricted Frequency Bands

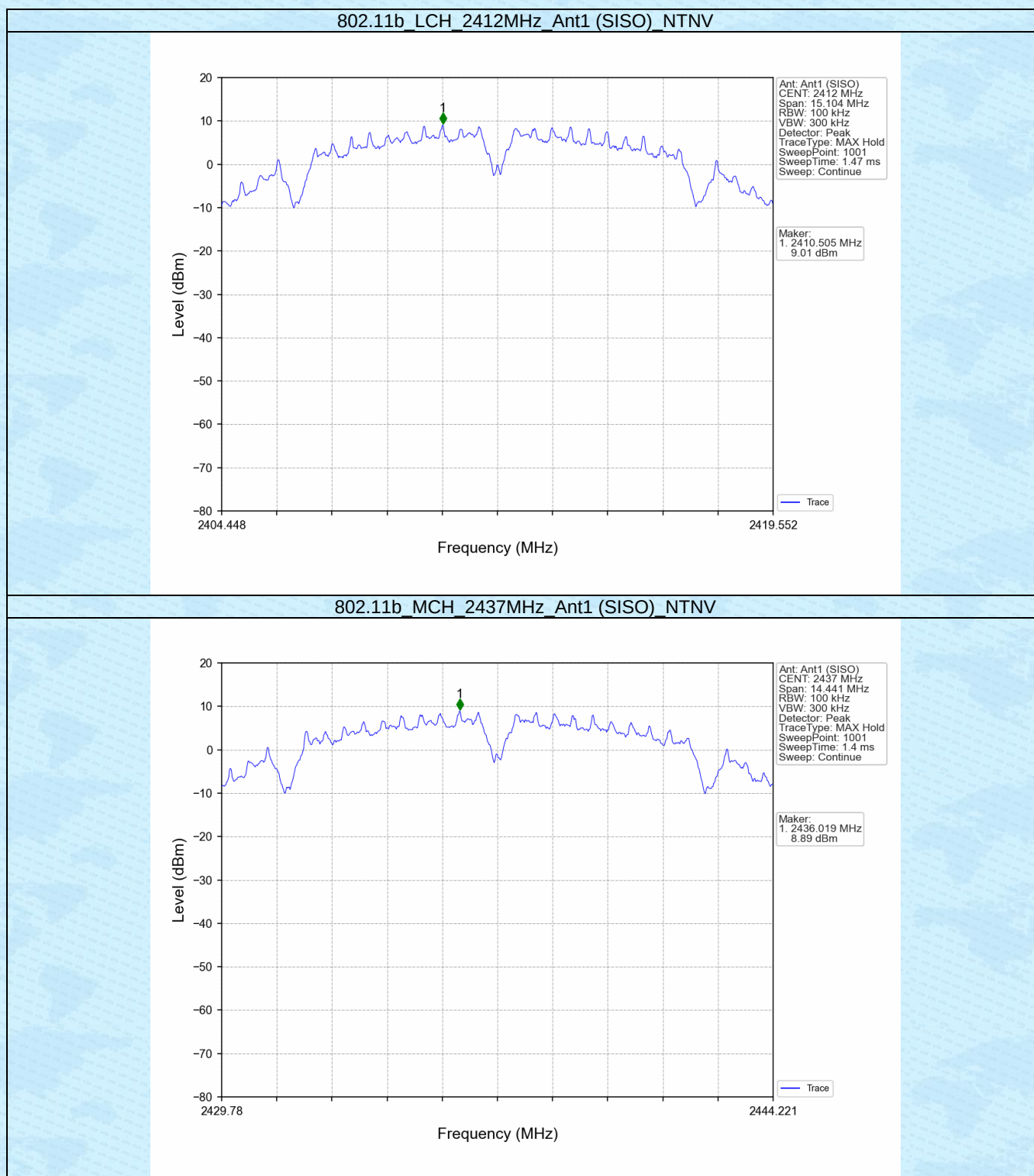
5.1 Ref

5.1.1 Test Result

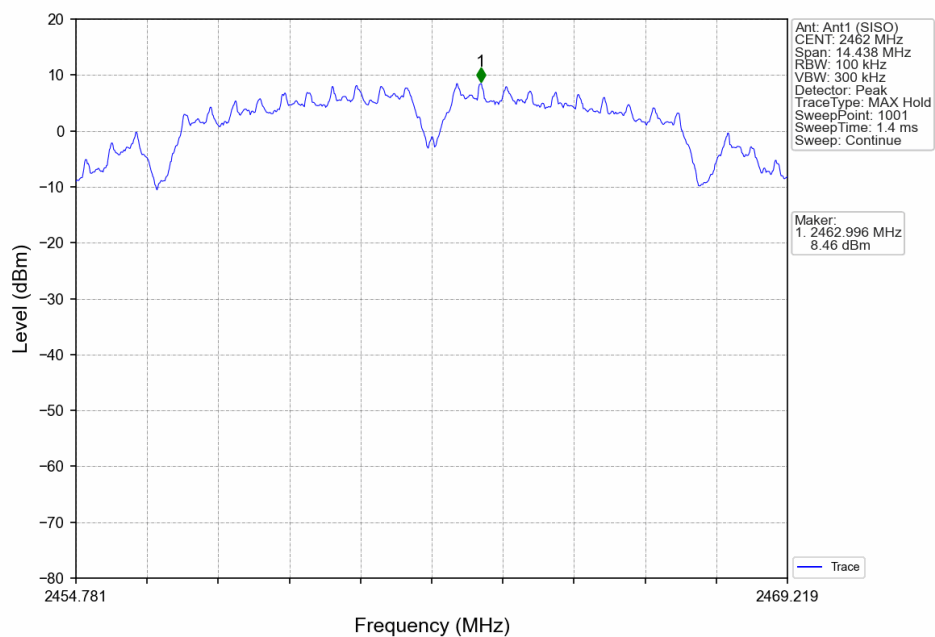
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	9.01
		2437	1	8.89
		2462	1	8.46
802.11g	SISO	2412	1	5.29
		2437	1	5.38
		2462	1	5.02
802.11n (HT20)	SISO	2412	1	4.83
		2437	1	5.13
		2462	1	5.07
802.11n (HT40)	SISO	2422	1	2.03
		2437	1	1.95
		2452	1	1.85

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.

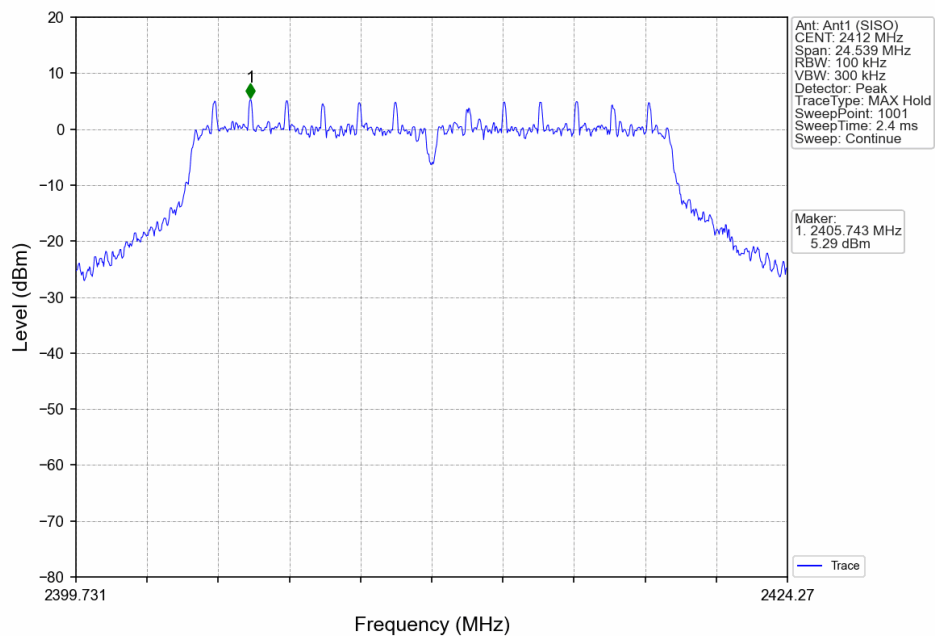
5.1.2 Test Graph



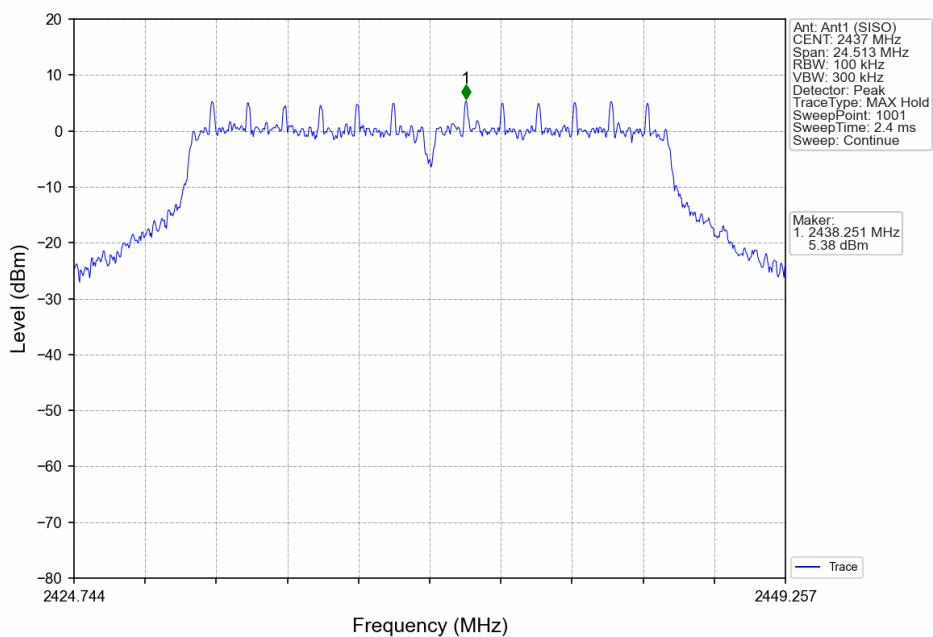
802.11b HCH 2462MHz_Ant1 (SISO) NTN



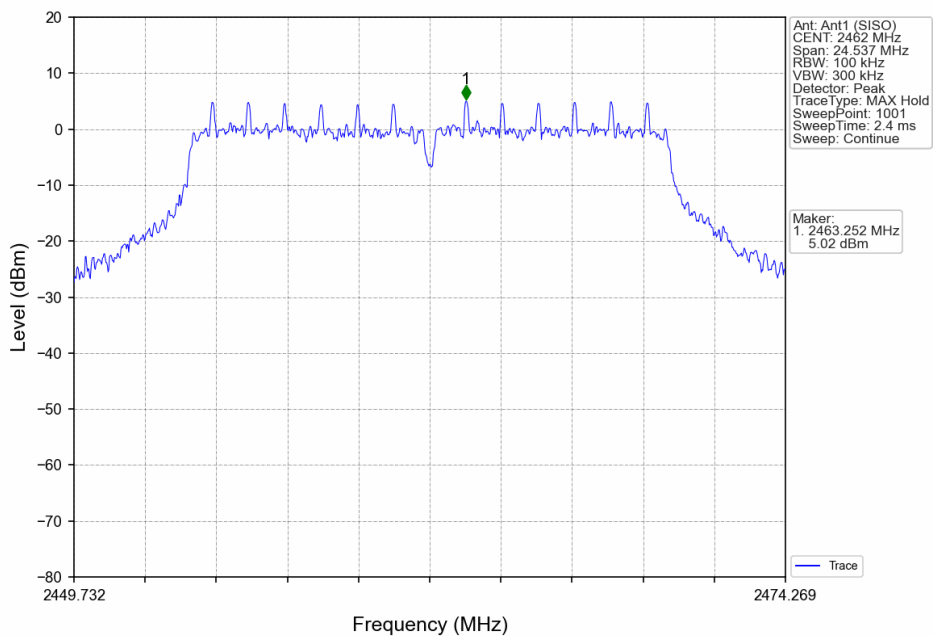
802.11g LCH 2412MHz_Ant1 (SISO) NTN



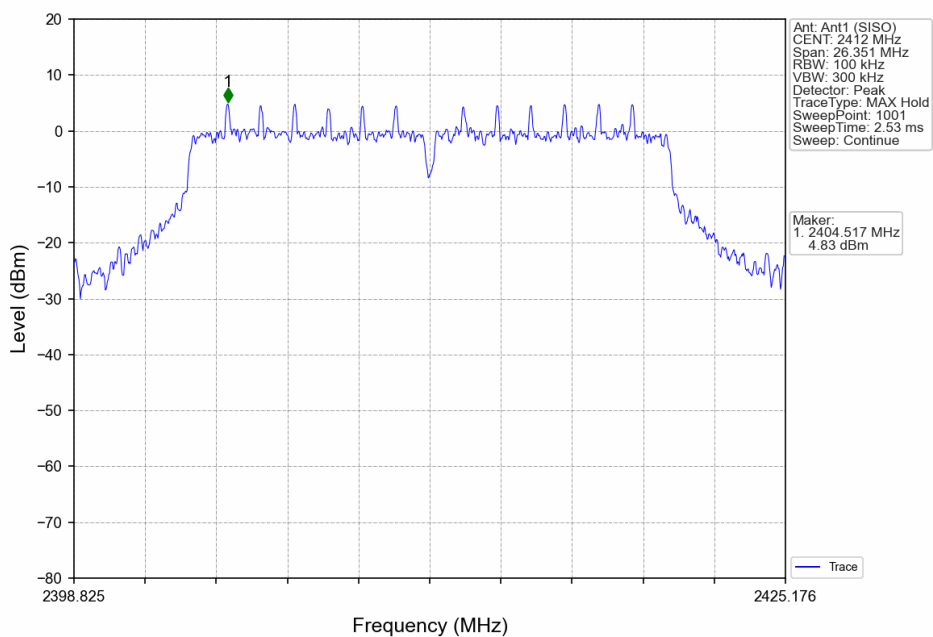
802.11g MCH 2437MHz Ant1 (SISO) NTN



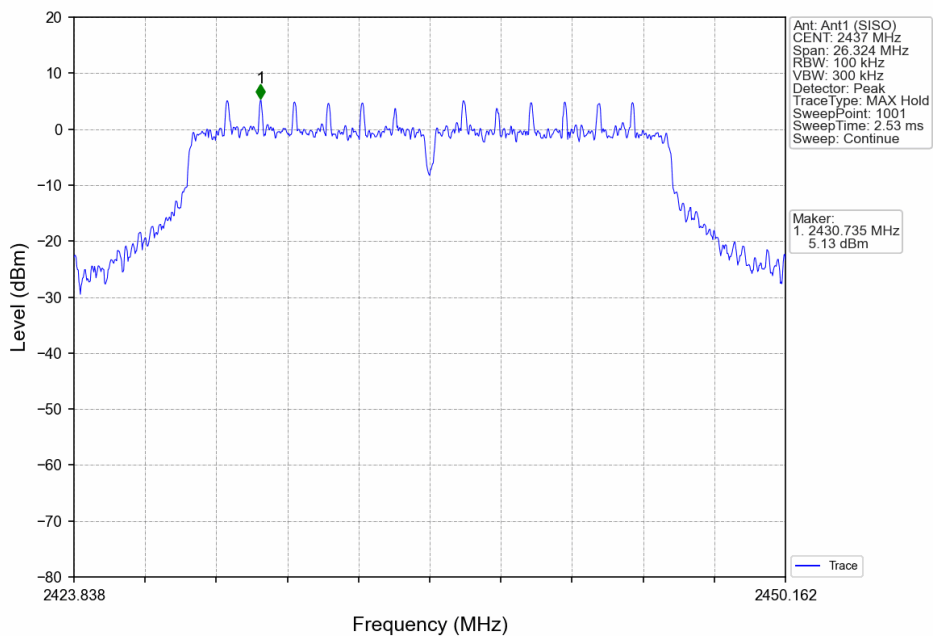
802.11g HCH 2462MHz Ant1 (SISO) NTN



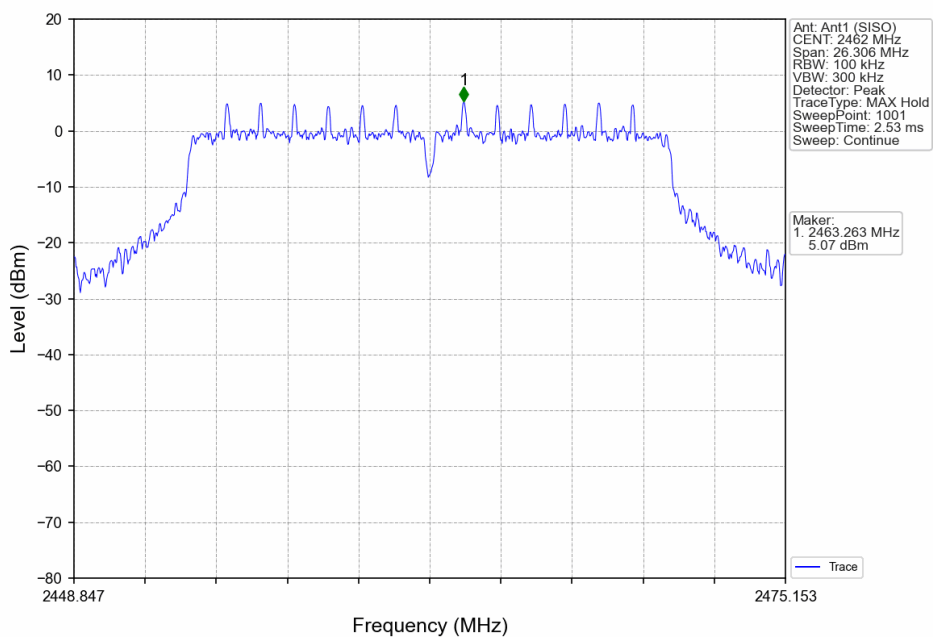
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



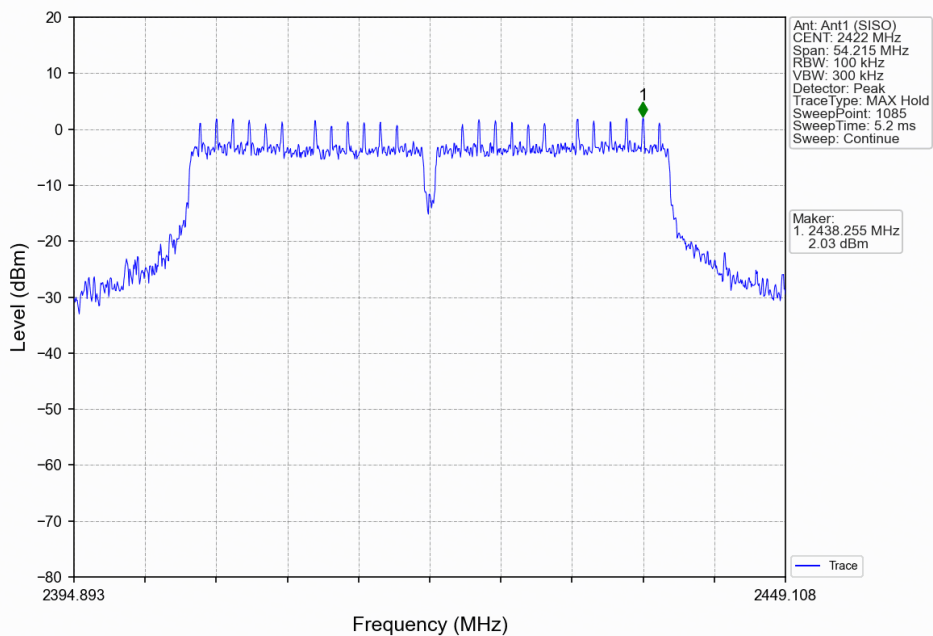
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



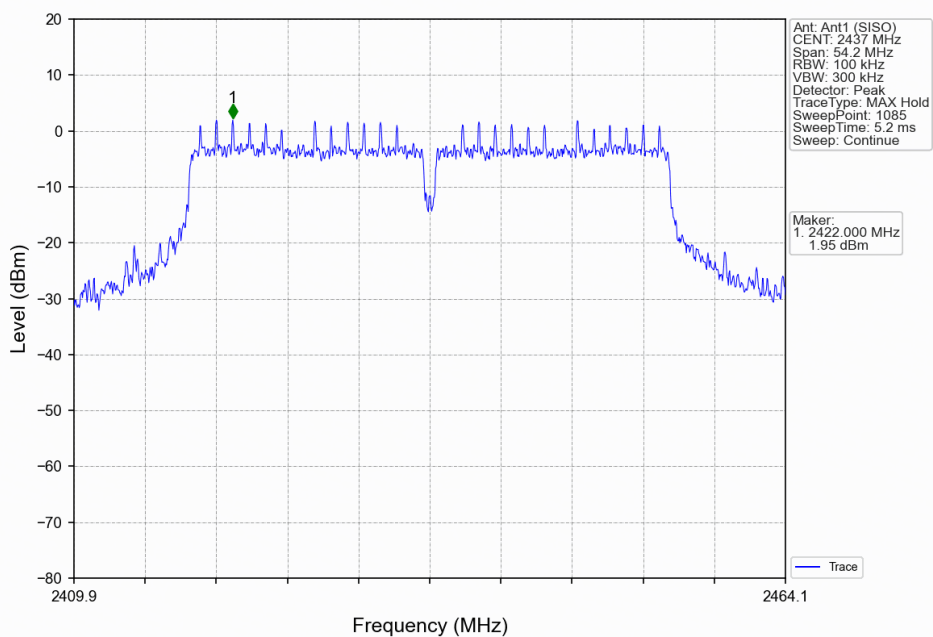
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



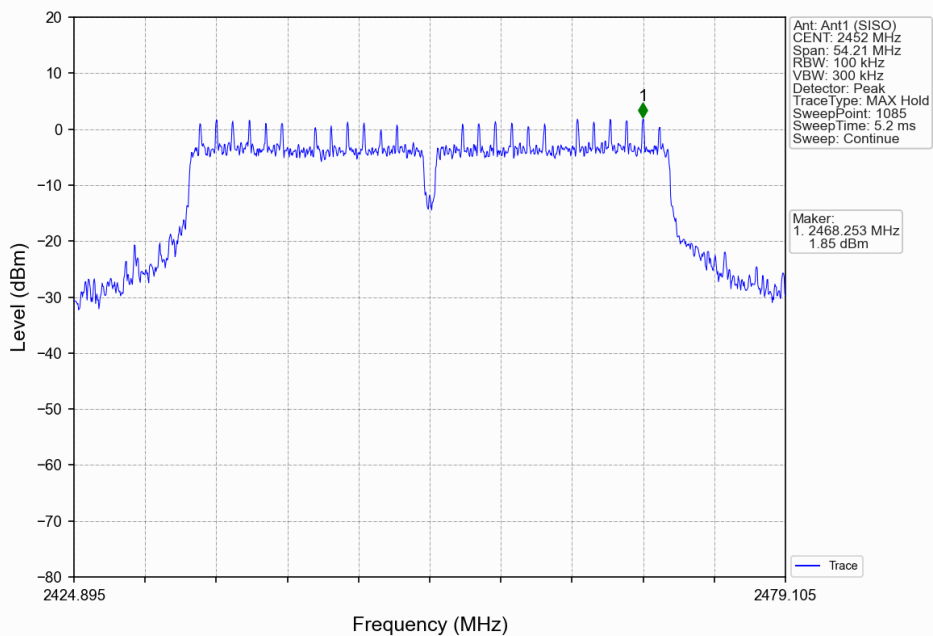
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

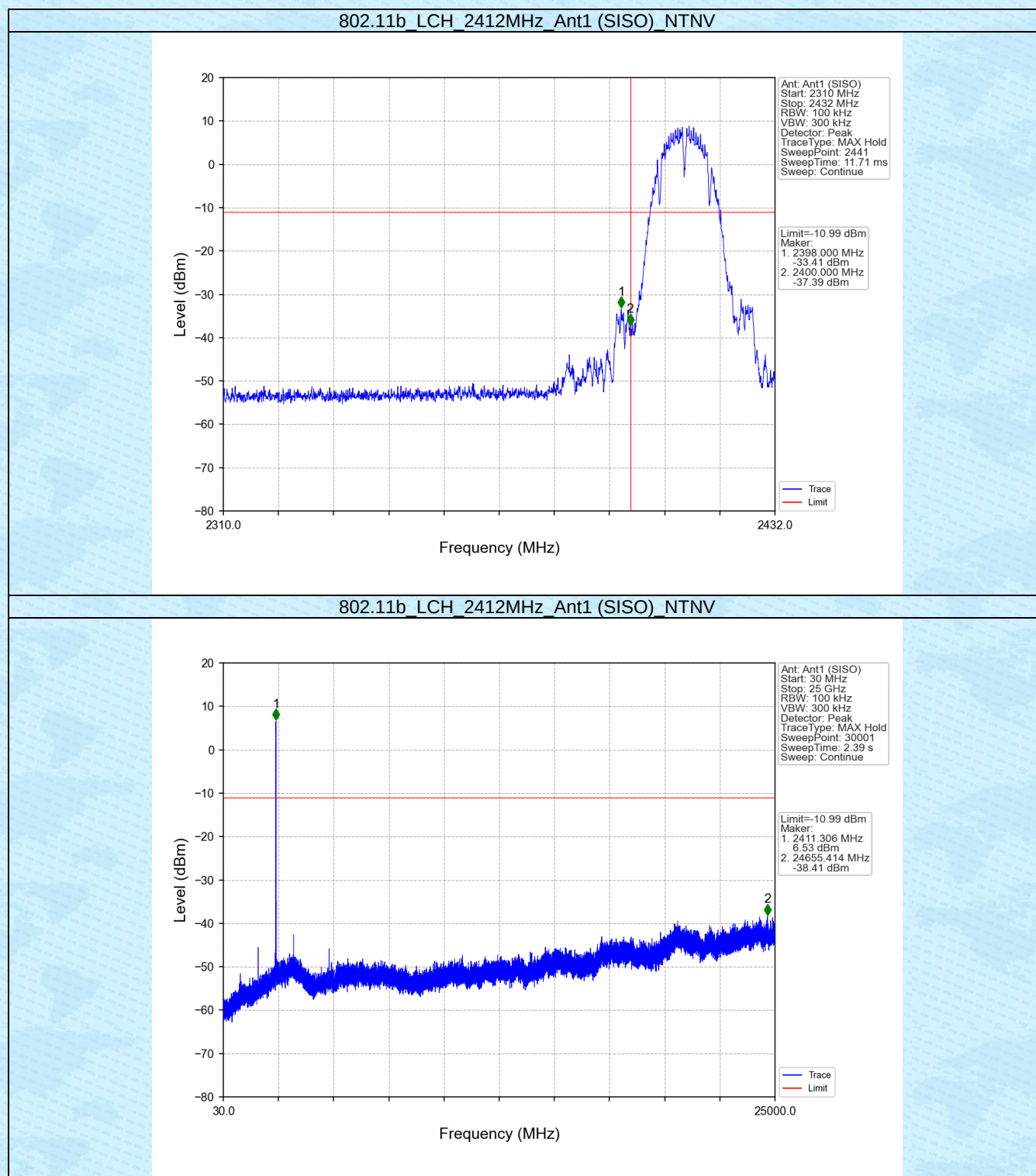


5.2 CSE

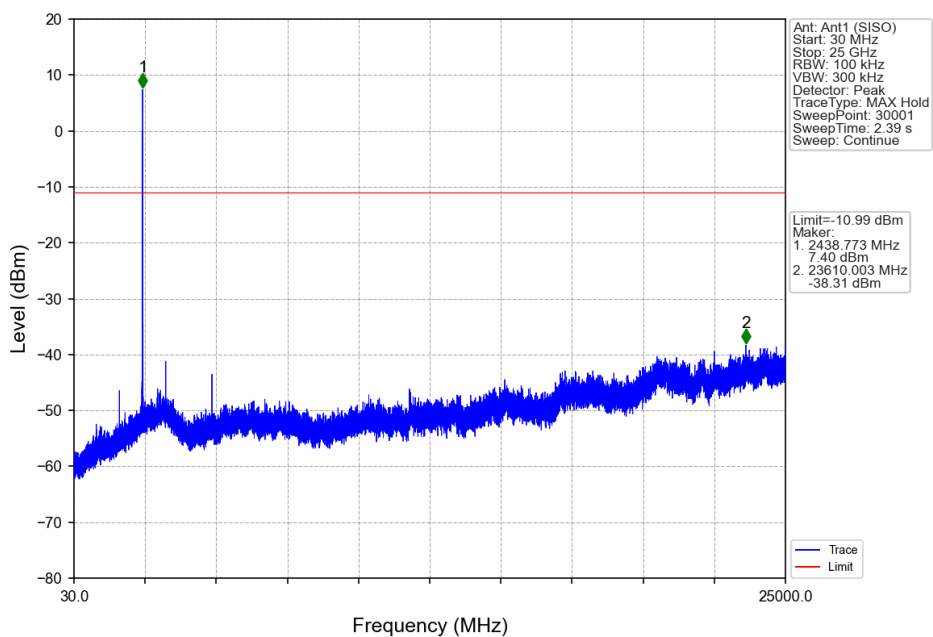
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	9.01	-10.99	Pass
		2437	1	9.01	-10.99	Pass
		2462	1	9.01	-10.99	Pass
802.11g	SISO	2412	1	5.38	-14.62	Pass
		2437	1	5.38	-14.62	Pass
		2462	1	5.38	-14.62	Pass
802.11n (HT20)	SISO	2412	1	5.13	-14.87	Pass
		2437	1	5.13	-14.87	Pass
		2462	1	5.13	-14.87	Pass
802.11n (HT40)	SISO	2422	1	2.03	-17.97	Pass
		2437	1	2.03	-17.97	Pass
		2452	1	2.03	-17.97	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.						

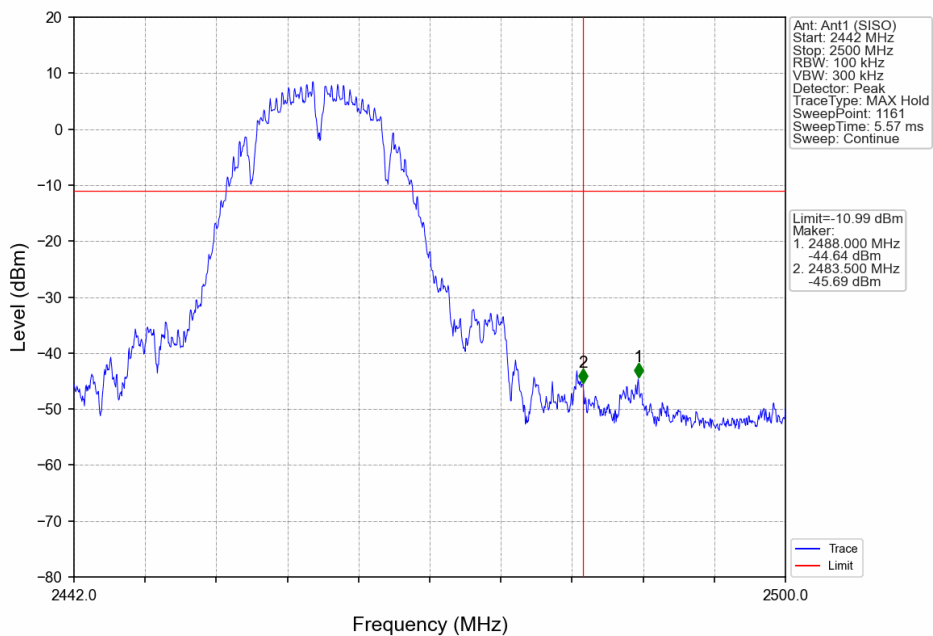
5.2.2 Test Graph



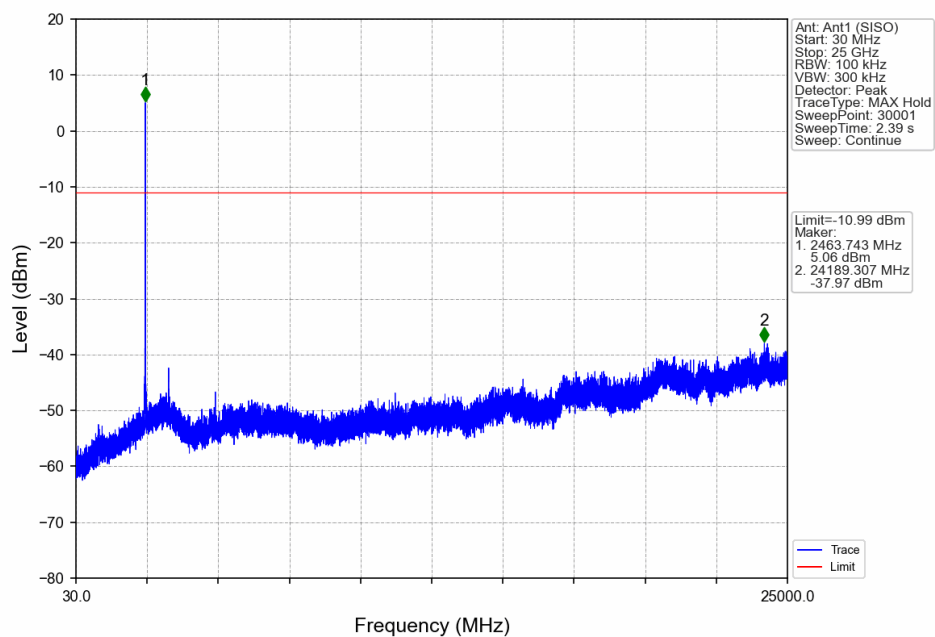
802.11b MCH 2437MHz Ant1 (SISO) NTN



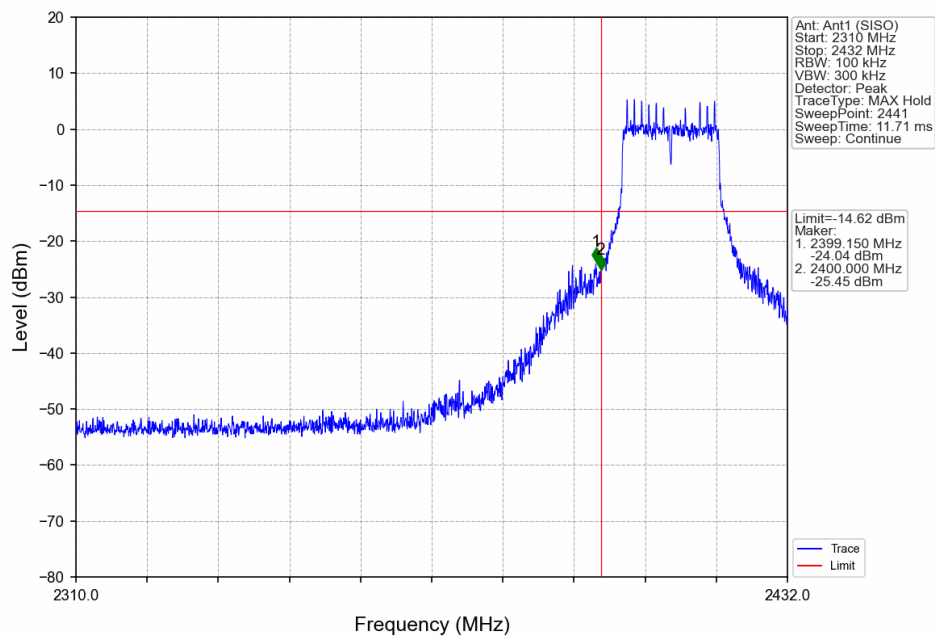
802.11b HCH 2462MHz Ant1 (SISO) NTN



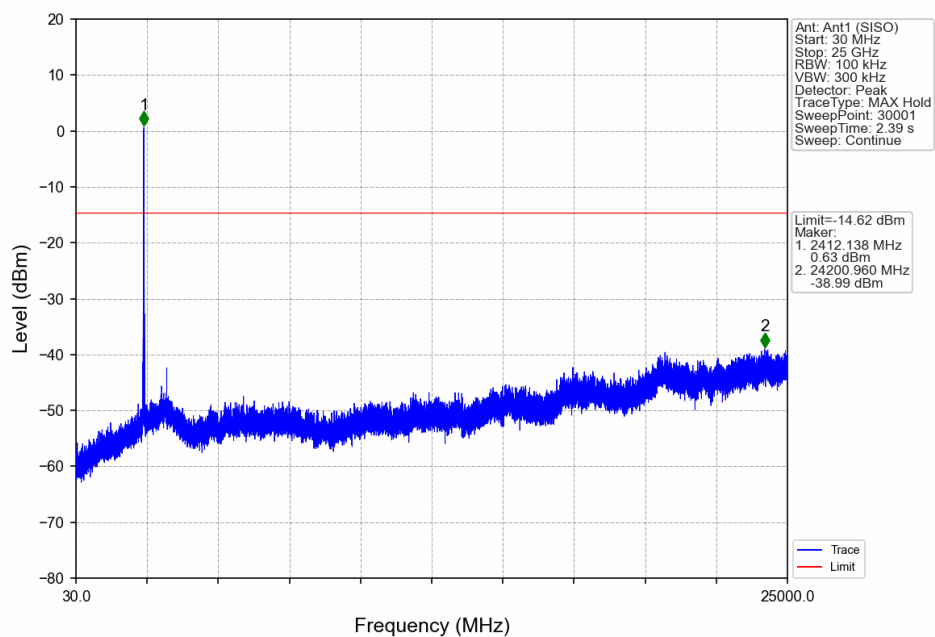
802.11b HCH 2462MHz_Ant1 (SISO) NTN



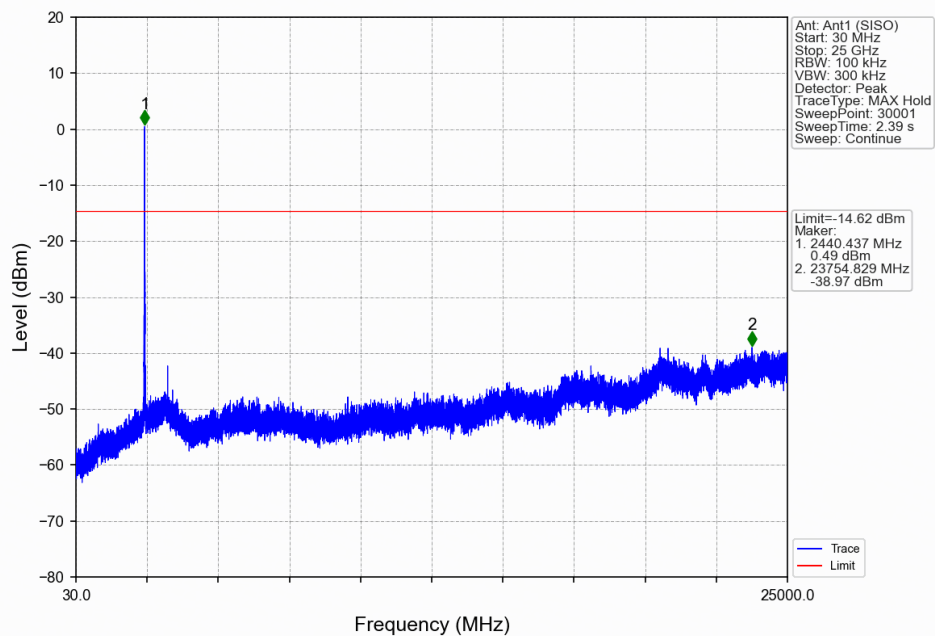
802.11g LCH 2412MHz_Ant1 (SISO) NTN



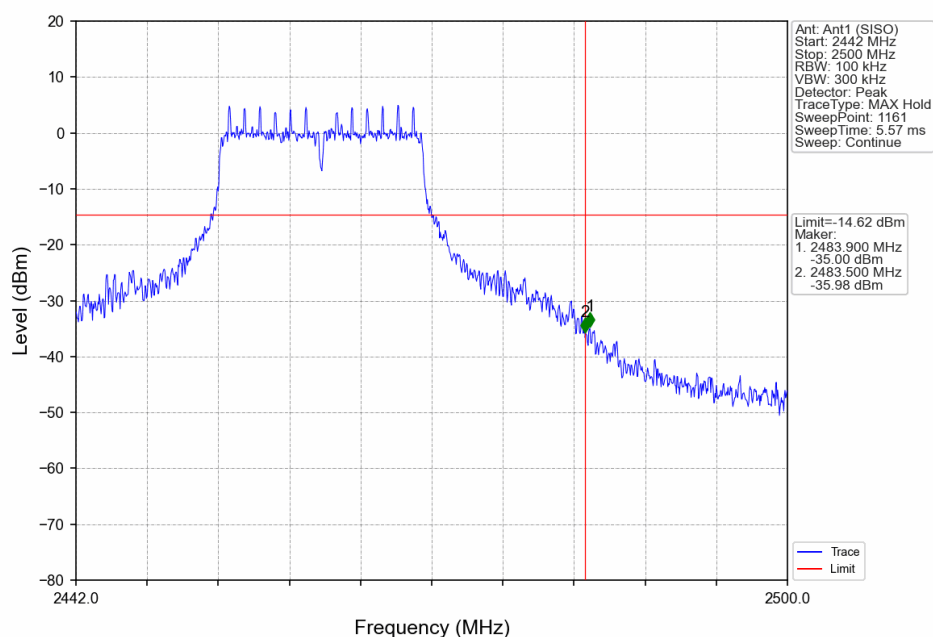
802.11g_LCH_2412MHz_Ant1 (SISO) NTN



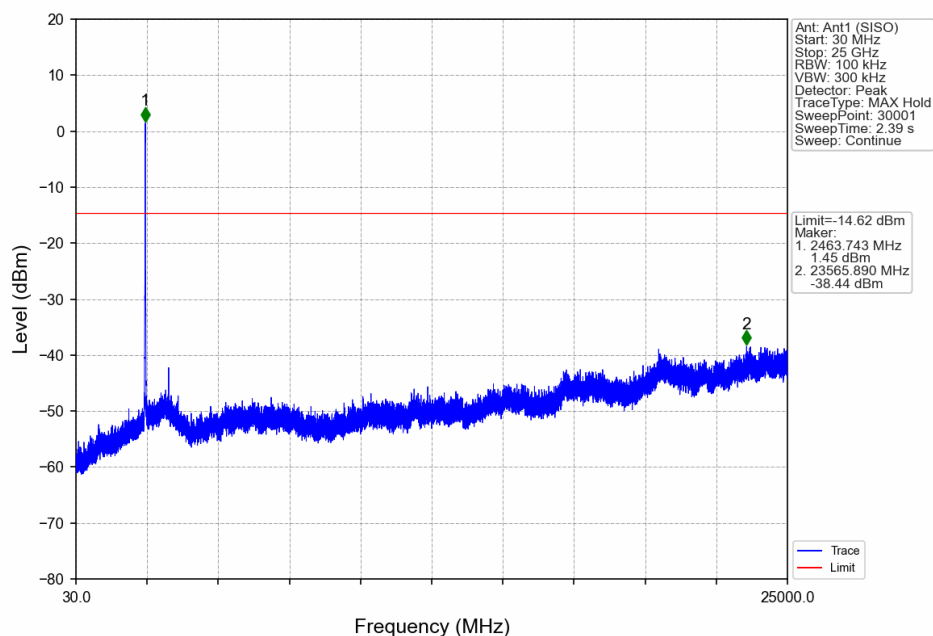
802.11g_MCH_2437MHz_Ant1 (SISO) NTN



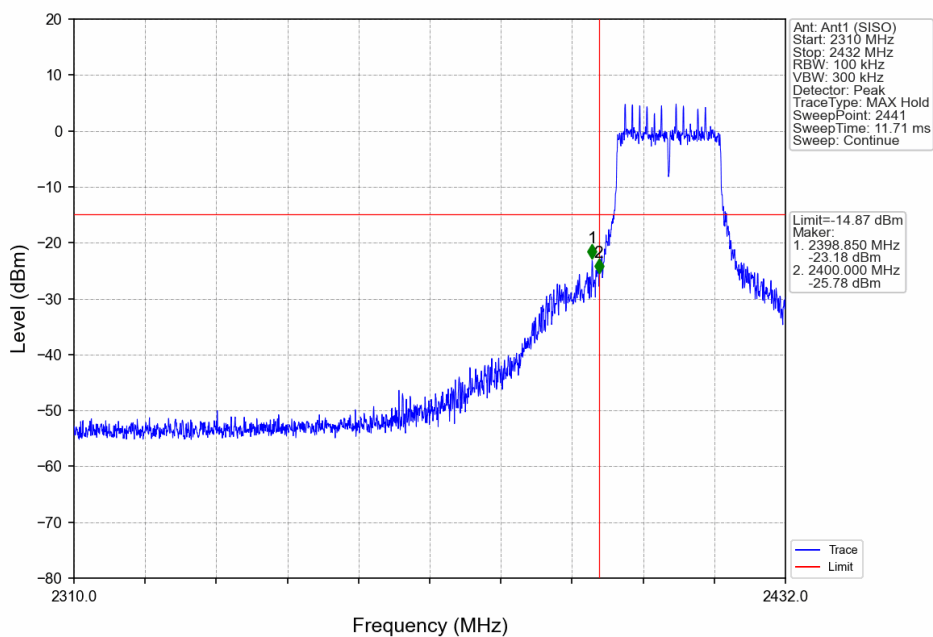
802.11g HCH 2462MHz Ant1 (SISO) NTN



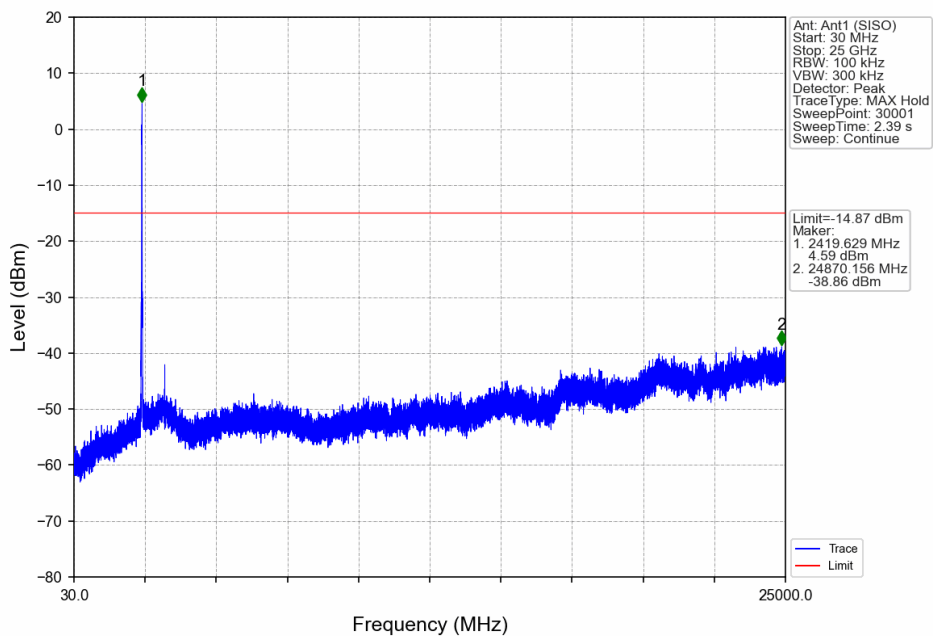
802.11g HCH 2462MHz Ant1 (SISO) NTN



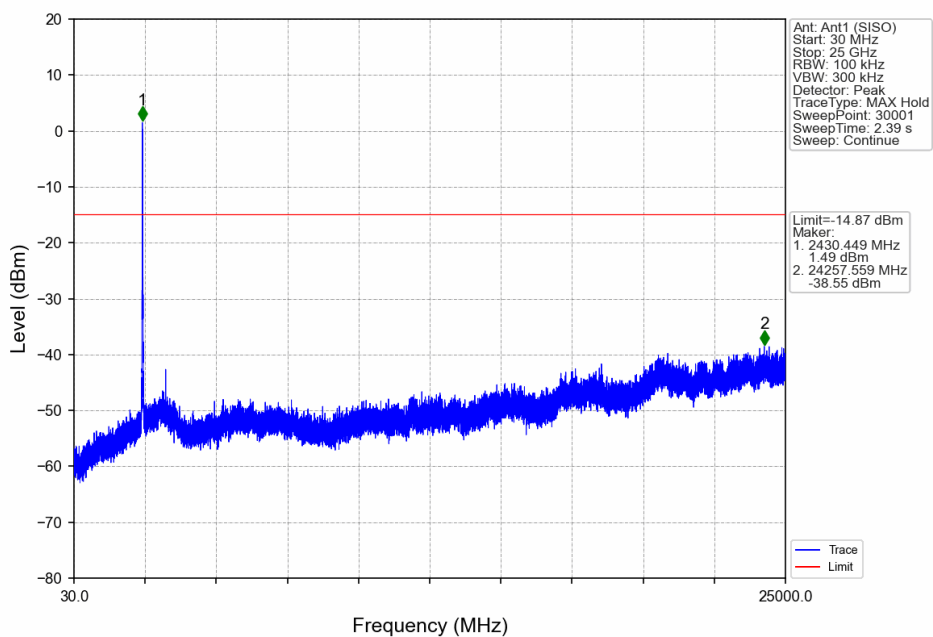
802.11n(HT20) LCH_2412MHz_Ant1 (SISO) NTNV



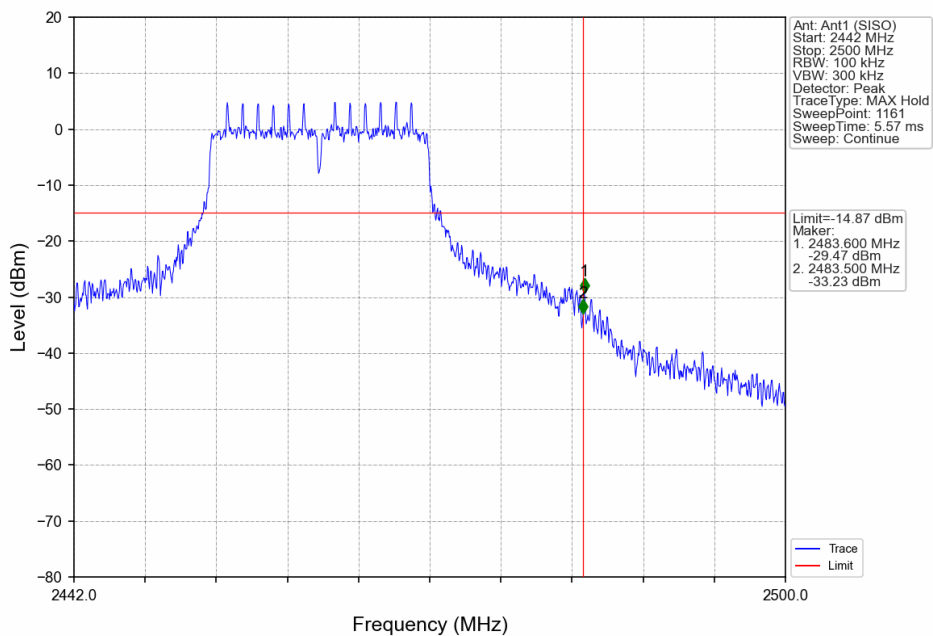
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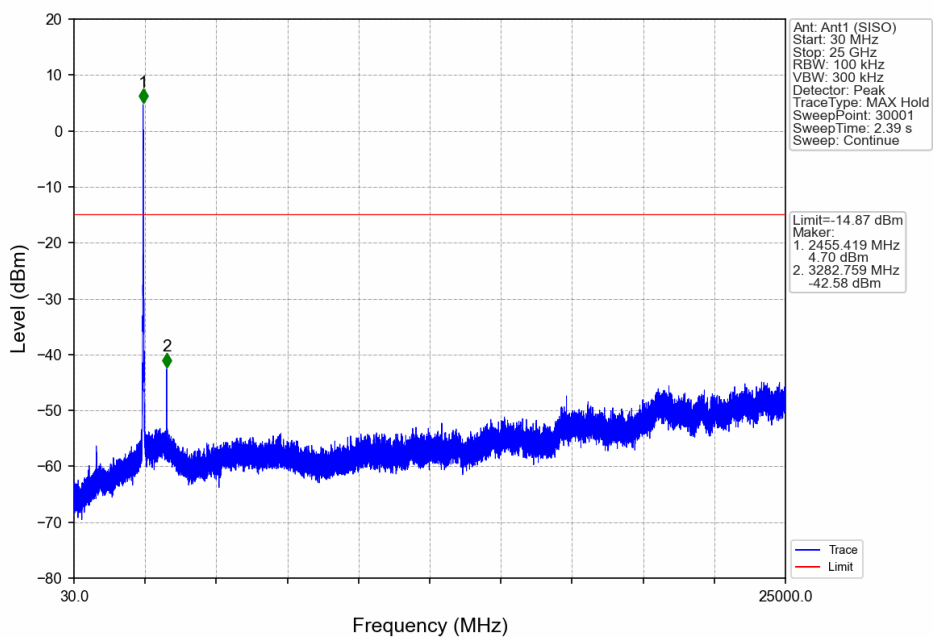
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



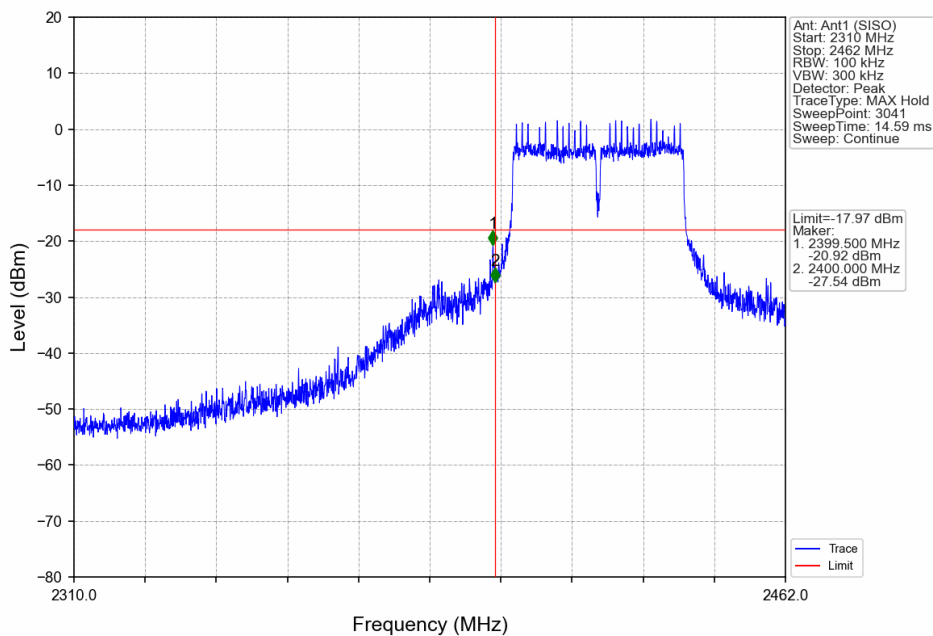
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



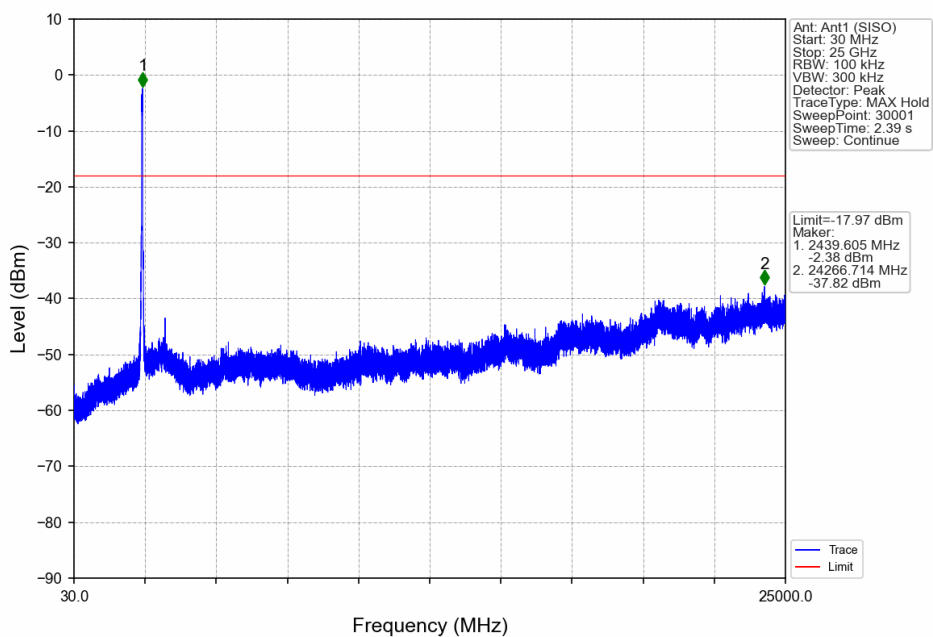
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



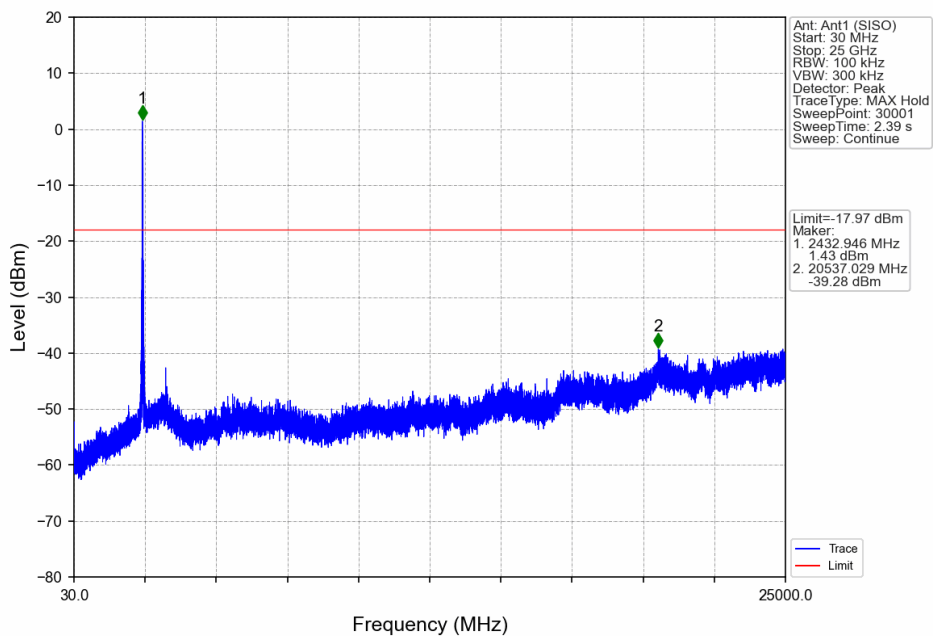
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



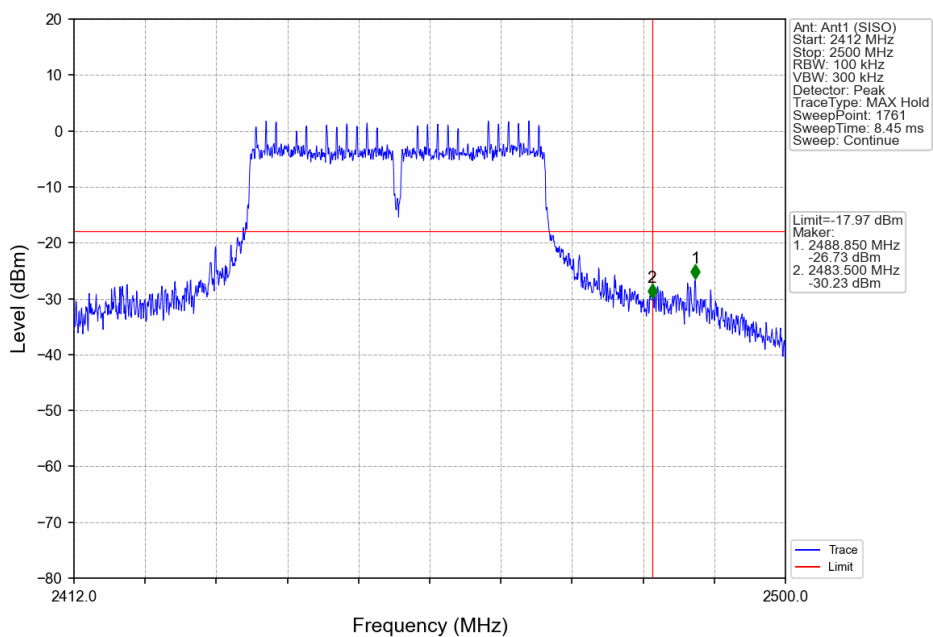
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



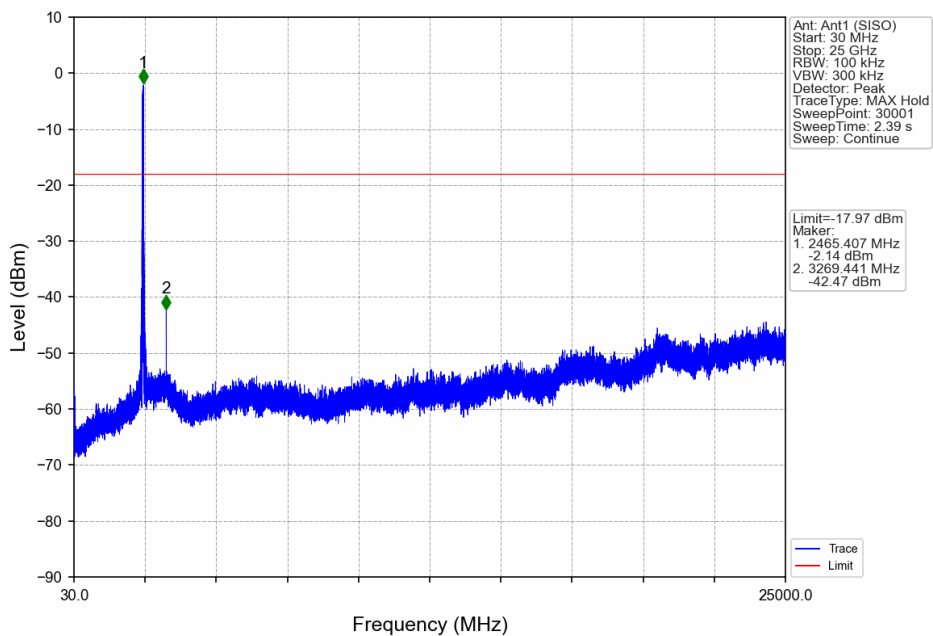
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



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