

Appendix: 2.4G Wi-Fi

1. Duty Cycle

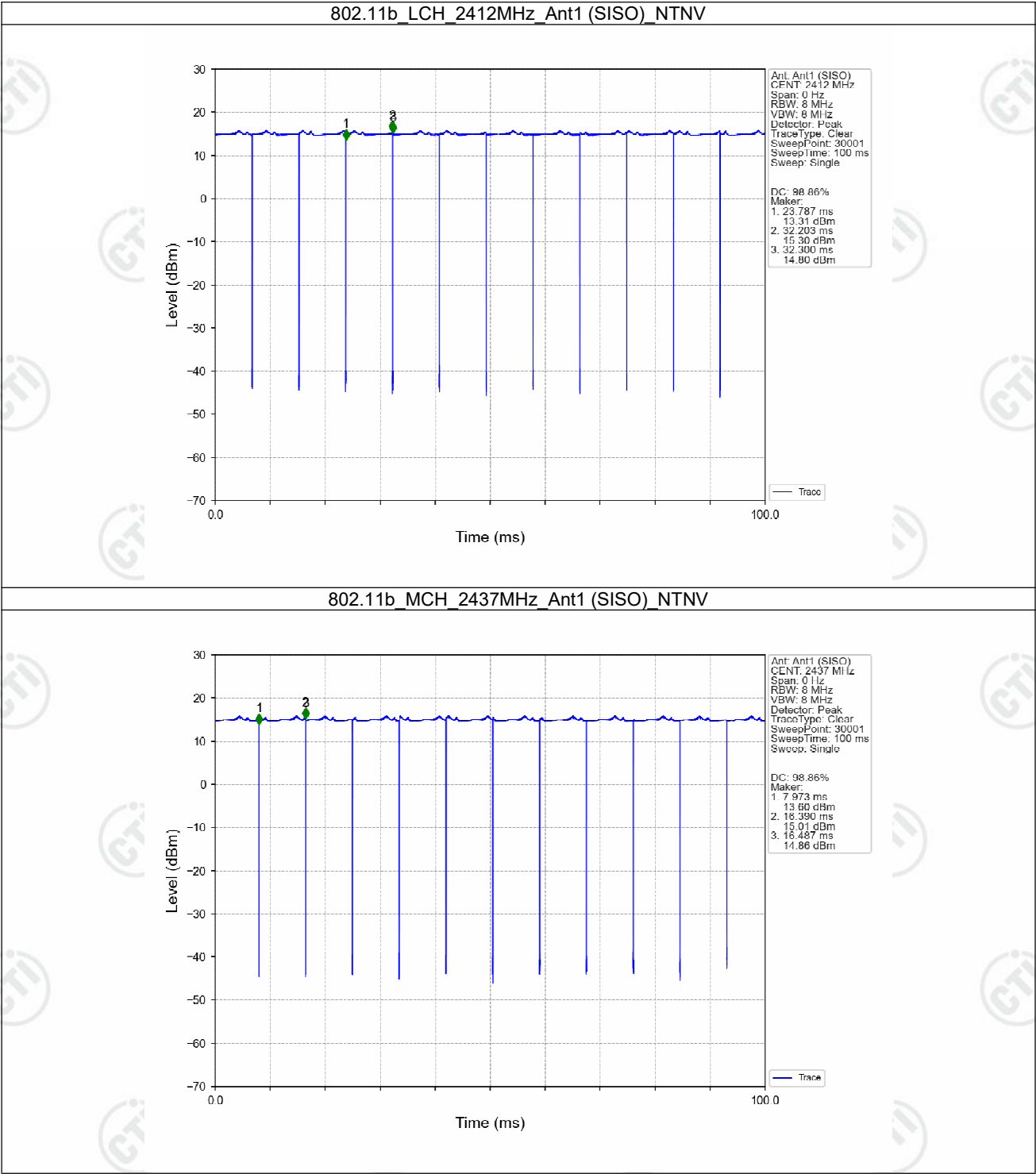
1.1 Test Result

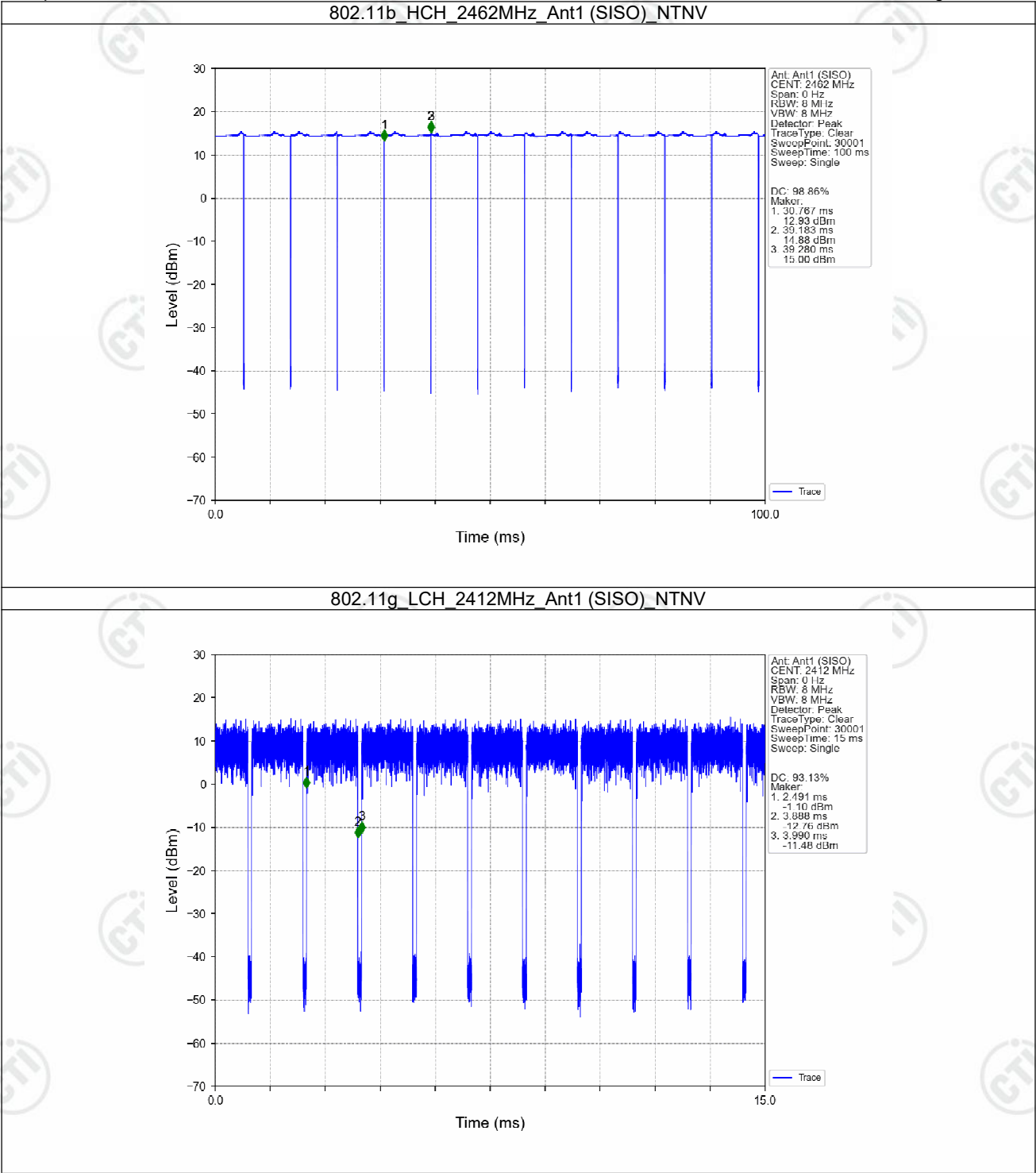
1.1.1 Ant1

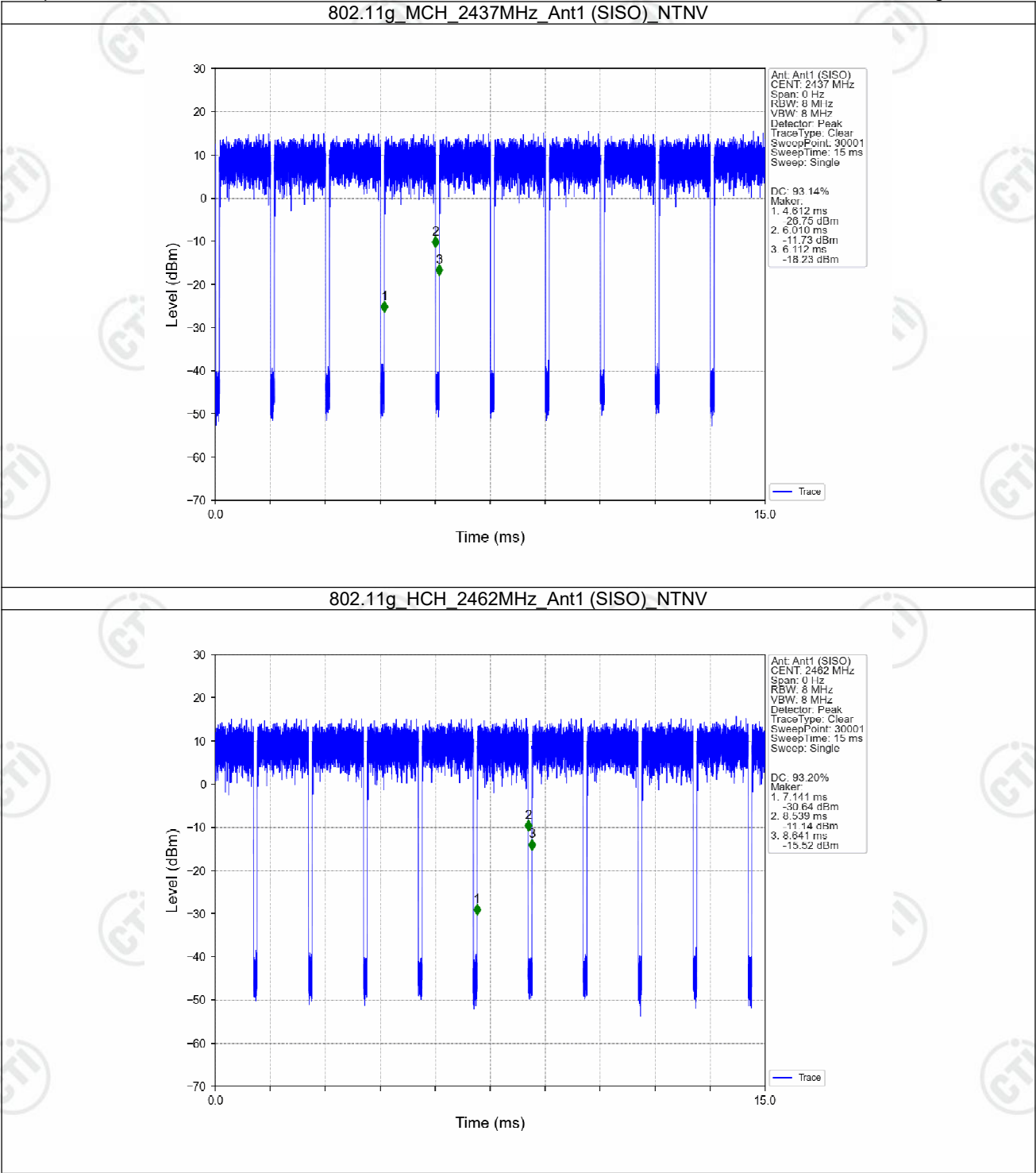
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.416	8.513	98.86	0.05	0.04
		2437	8.417	8.514	98.86	0.05	0.04
		2462	8.416	8.513	98.86	0.05	0.04
802.11g	SISO	2412	1.397	1.500	93.13	0.31	0.13
		2437	1.398	1.501	93.14	0.31	0.09
		2462	1.398	1.500	93.20	0.31	0.12
802.11n (HT20)	SISO	2412	1.310	1.411	92.84	0.32	0.03
		2437	1.310	1.411	92.84	0.32	0.03
		2462	1.310	1.411	92.84	0.32	0.03

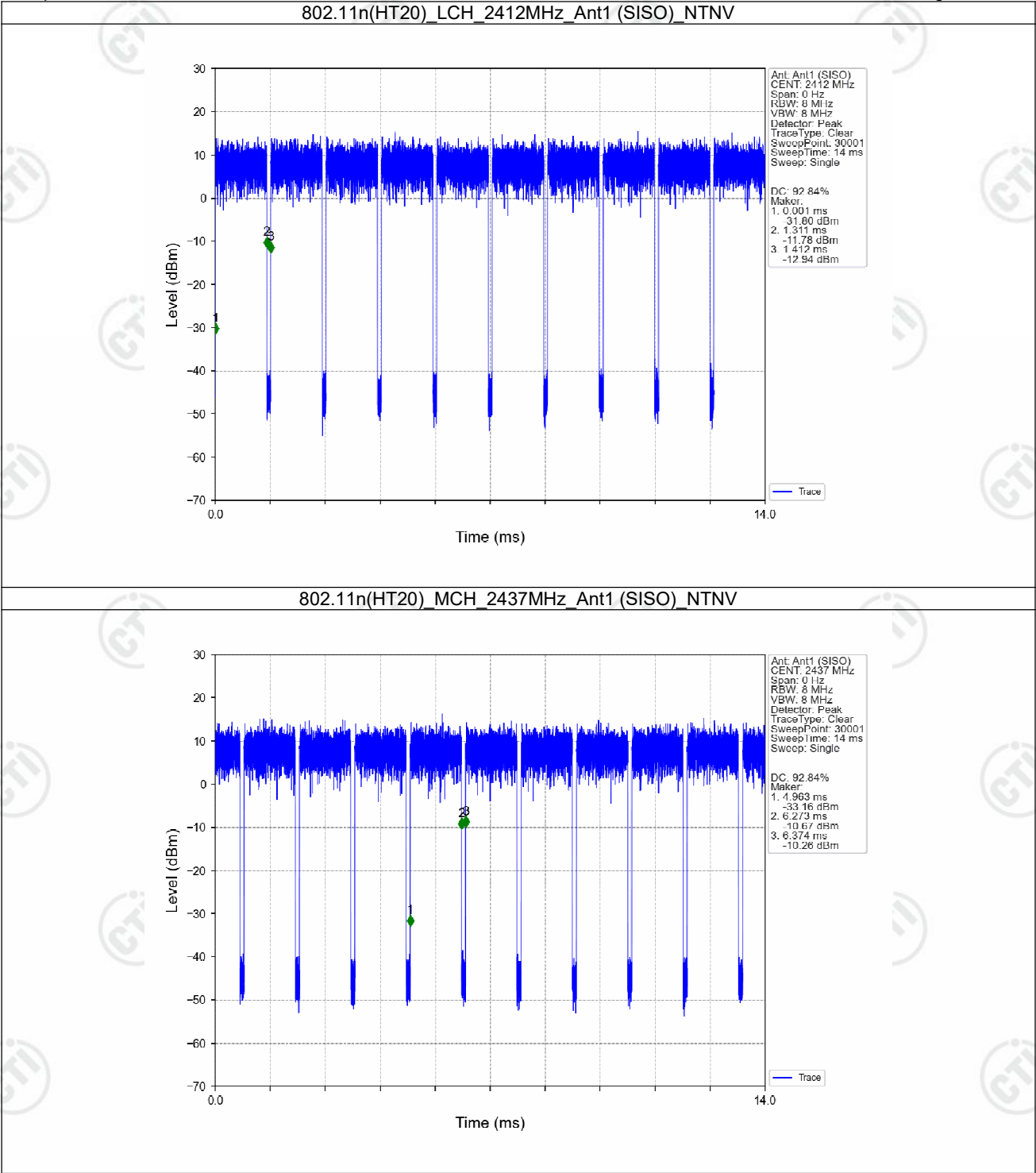
1.2 Test Graph

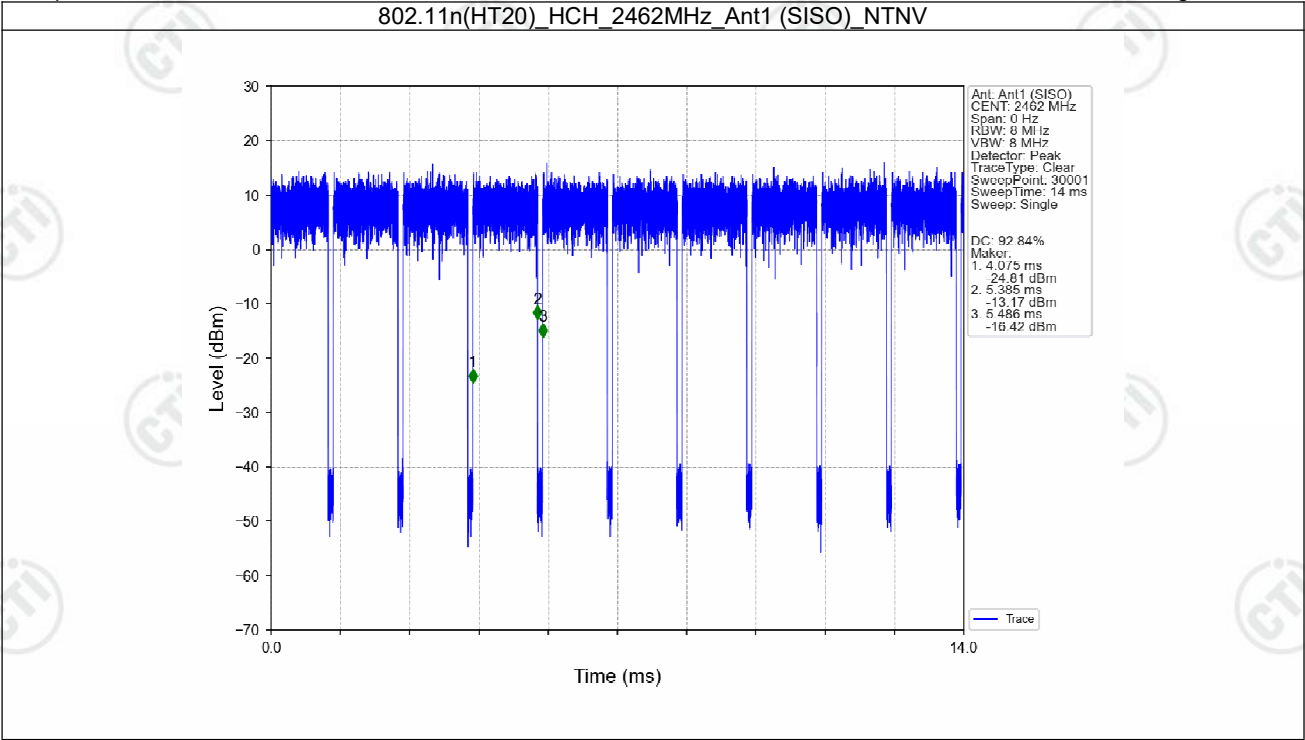
1.2.1 Ant1











2. Bandwidth

2.1 Test Result

2.1.1 OBW

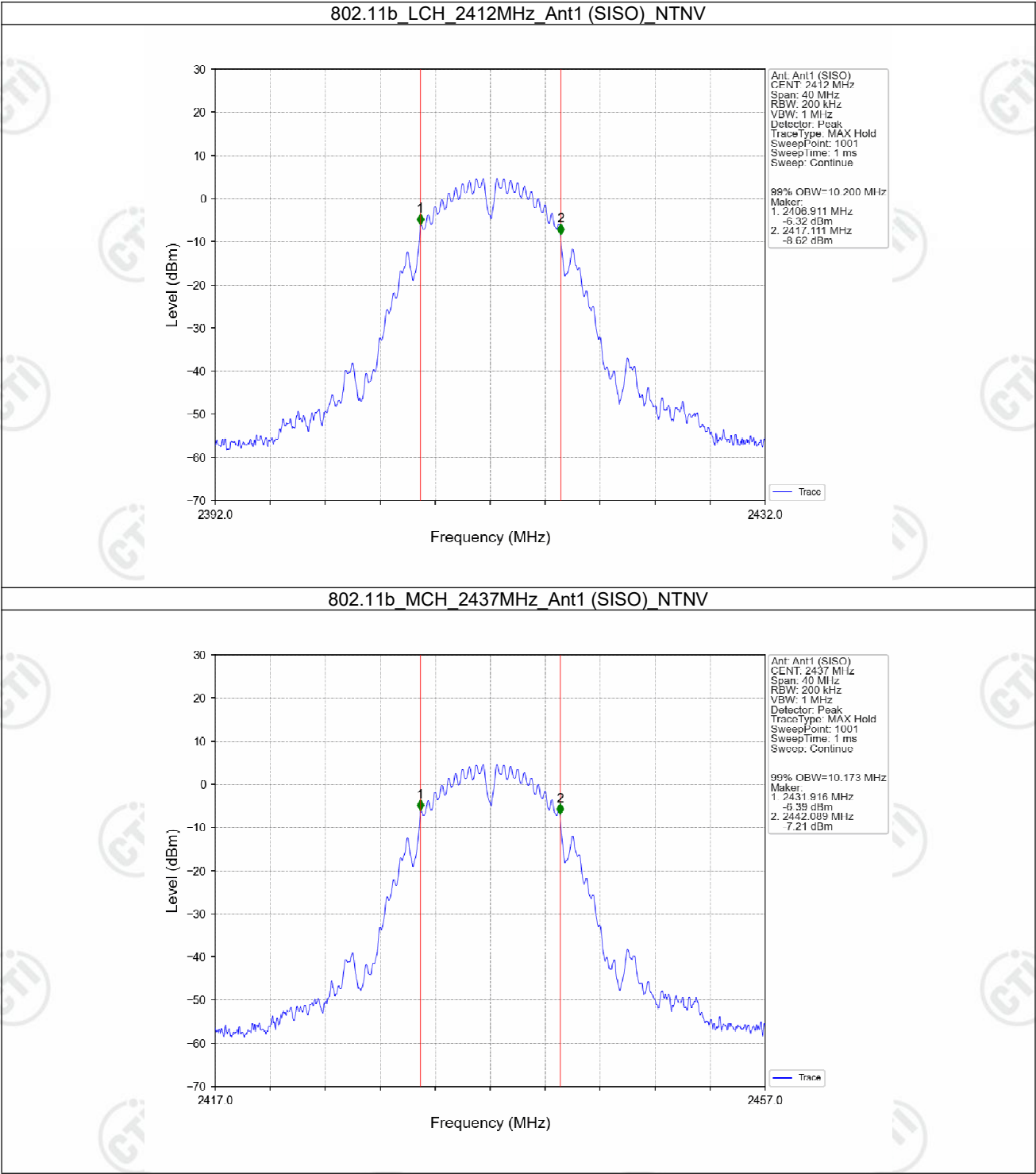
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.200	/	Pass
		2437	1	10.173	/	Pass
		2462	1	10.196	/	Pass
802.11g	SISO	2412	1	16.451	/	Pass
		2437	1	16.384	/	Pass
		2462	1	16.329	/	Pass
802.11n (HT20)	SISO	2412	1	17.598	/	Pass
		2437	1	17.566	/	Pass
		2462	1	17.491	/	Pass

2.1.2 6dB BW

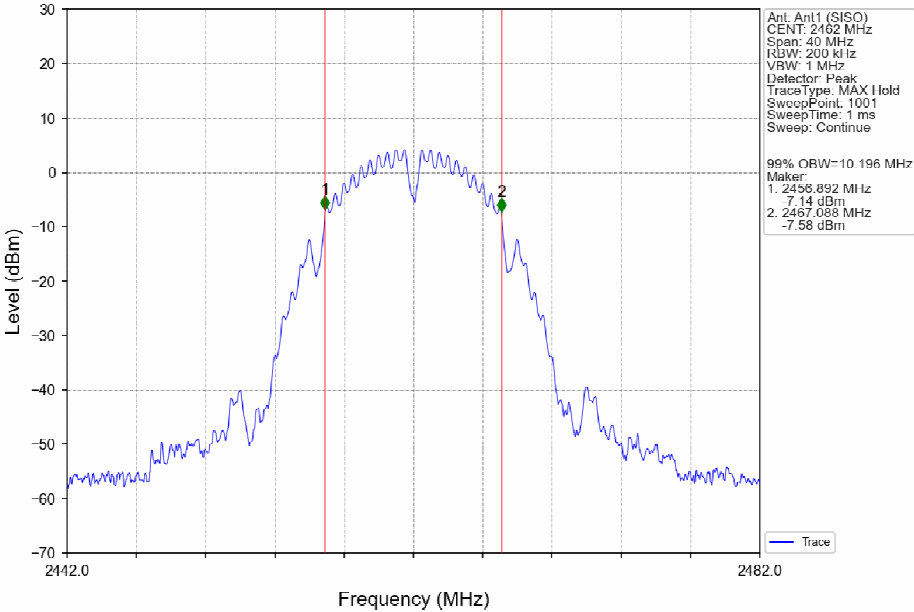
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	7.210	≥ 0.5	Pass
		2437	1	7.215	≥ 0.5	Pass
		2462	1	7.229	≥ 0.5	Pass
802.11g	SISO	2412	1	15.689	≥ 0.5	Pass
		2437	1	15.260	≥ 0.5	Pass
		2462	1	15.207	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.071	≥ 0.5	Pass
		2437	1	16.351	≥ 0.5	Pass
		2462	1	15.573	≥ 0.5	Pass

2.2 Test Graph

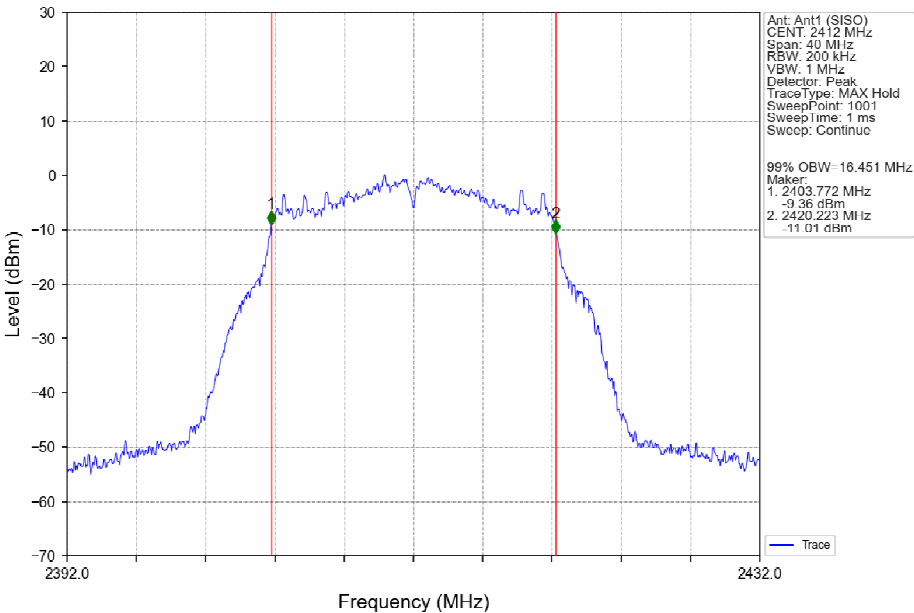
2.2.1 OBW

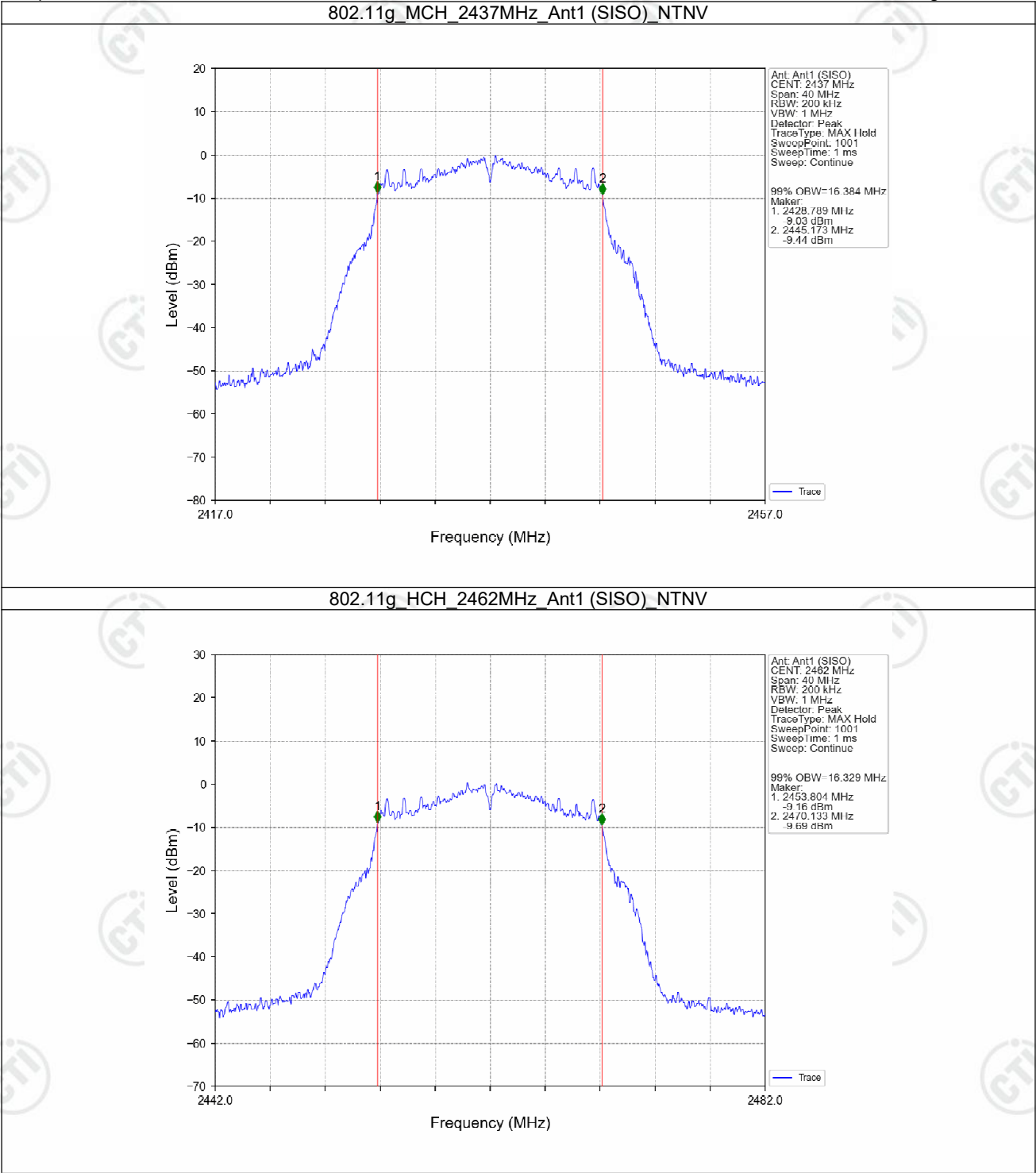


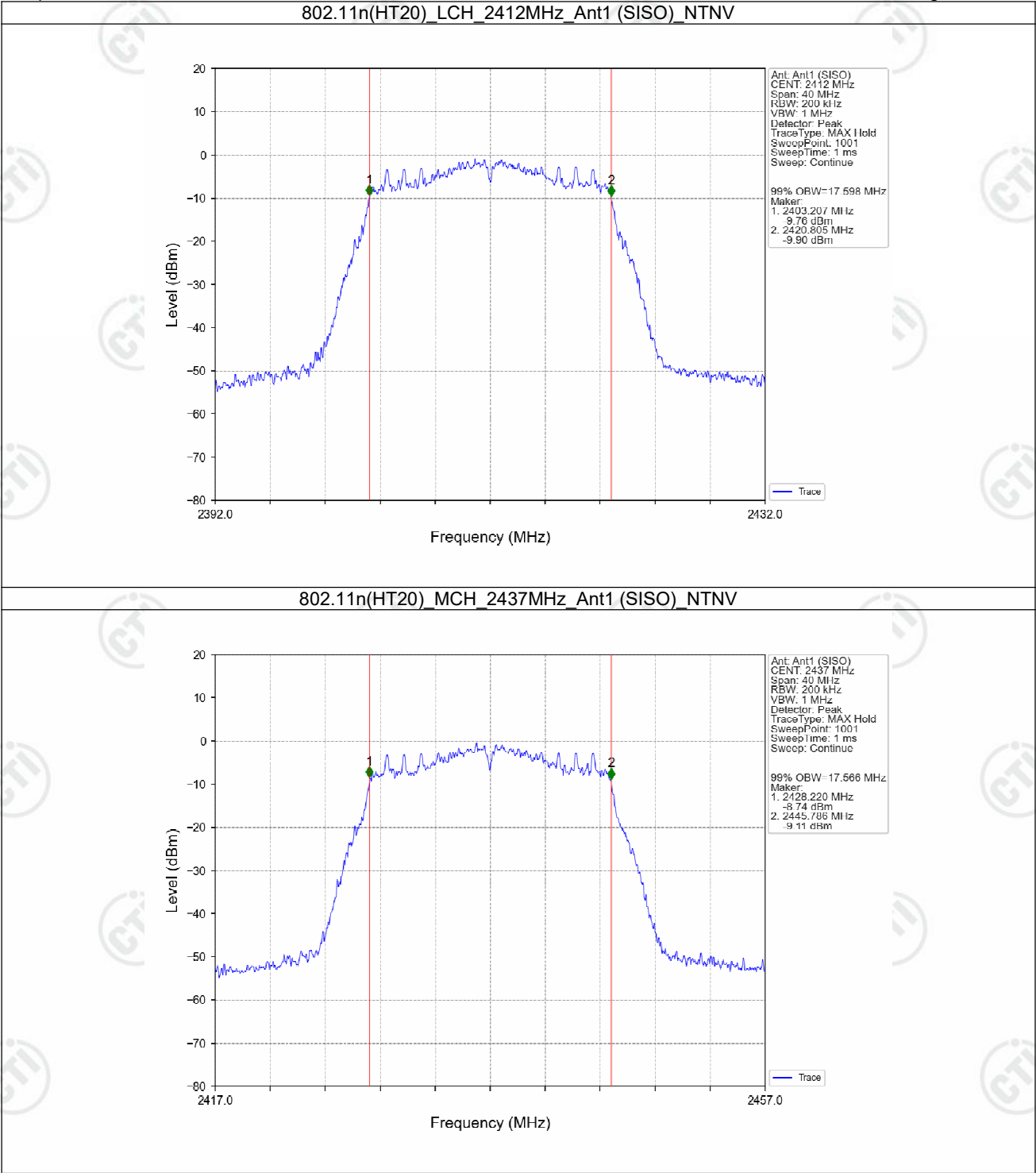
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

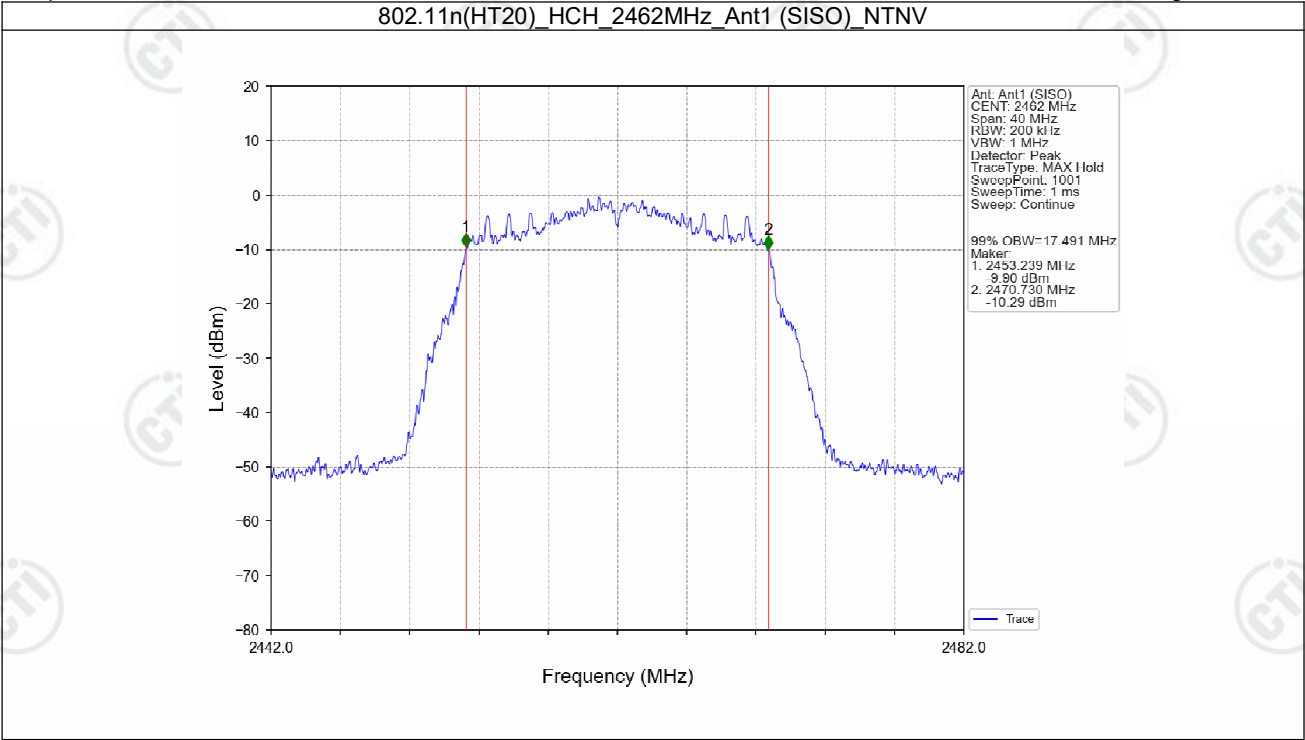


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV









2.2.2 6dB BW

