

Appendix 2.4G Wi-Fi

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1. Duty Cycle

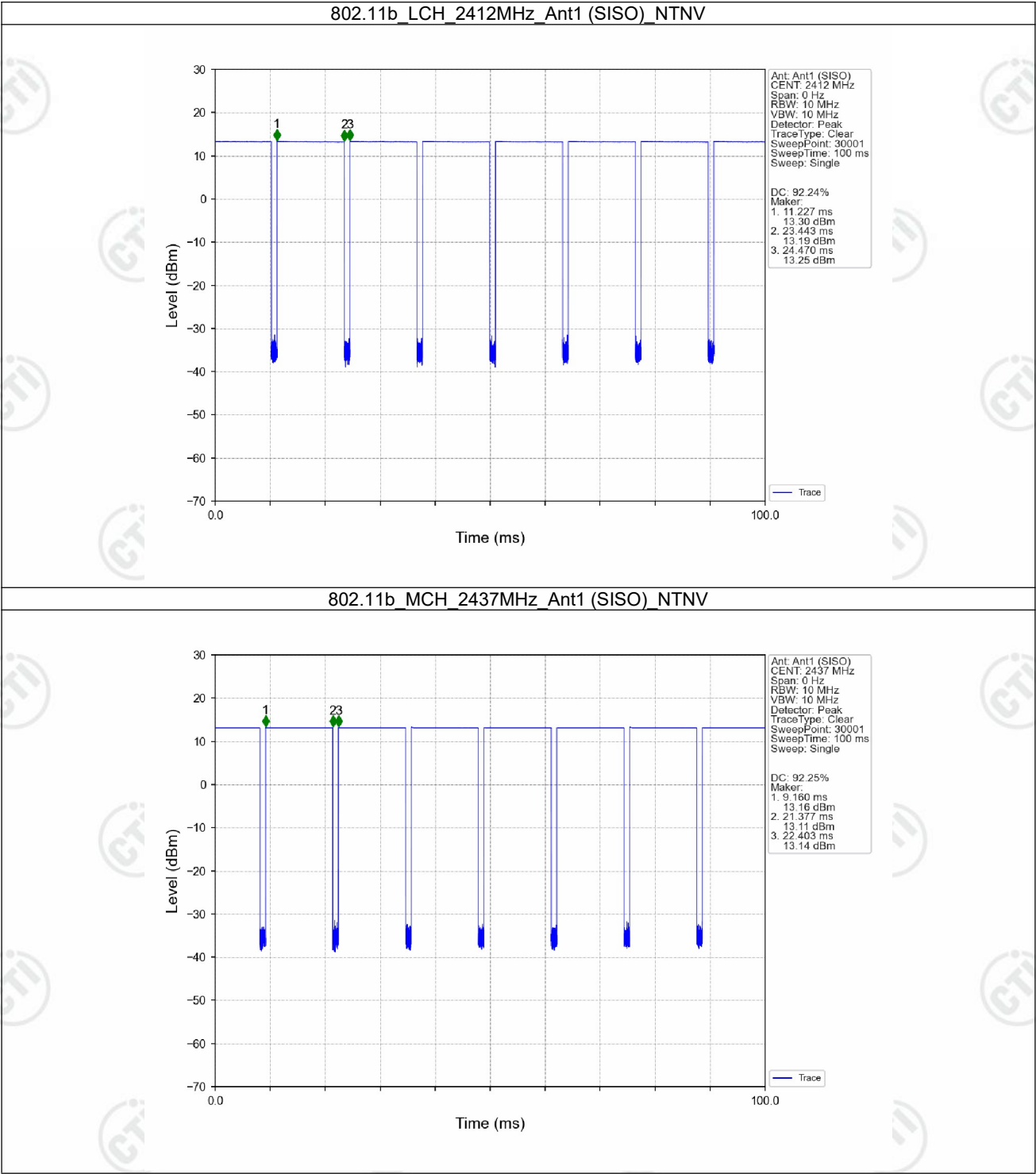
1.1 Test Result

1.1.1 Ant1

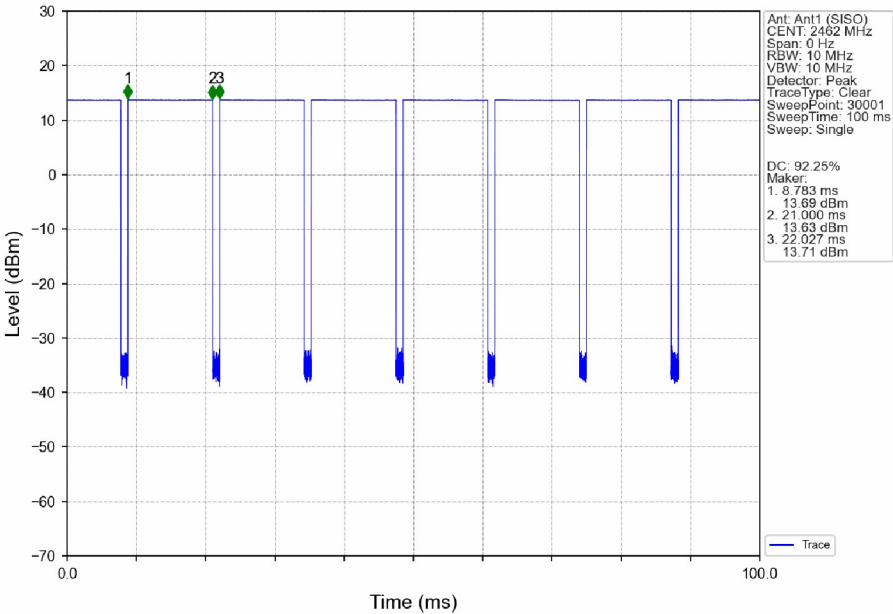
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	12.216	13.243	92.24	0.35	0.03
		2437	12.217	13.243	92.25	0.35	0.03
		2462	12.217	13.244	92.25	0.35	0.00
802.11g	SISO	2412	2.029	3.054	66.44	1.78	0.02
		2437	2.036	3.064	66.45	1.78	0.03
		2462	2.036	3.064	66.45	1.78	0.03
802.11n (HT20)	SISO	2412	1.893	2.919	64.85	1.88	0.00
		2437	1.892	2.919	64.82	1.88	0.03
		2462	1.892	2.919	64.82	1.88	0.03

1.2 Test Graph

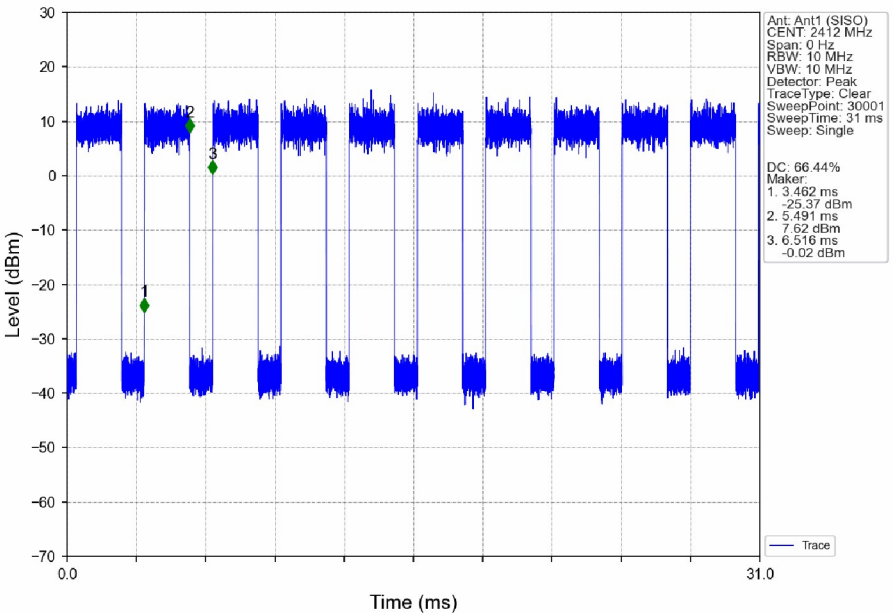
1.2.1 Ant1



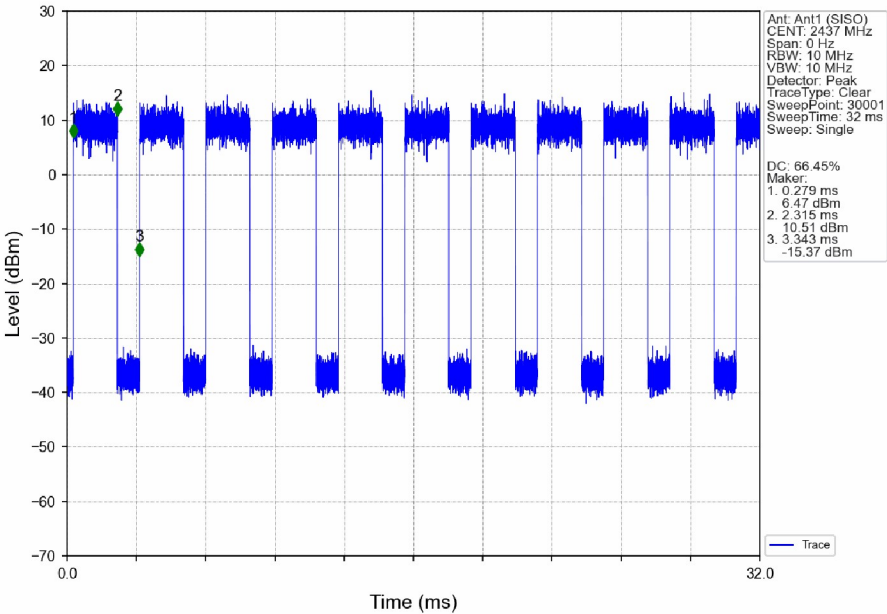
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



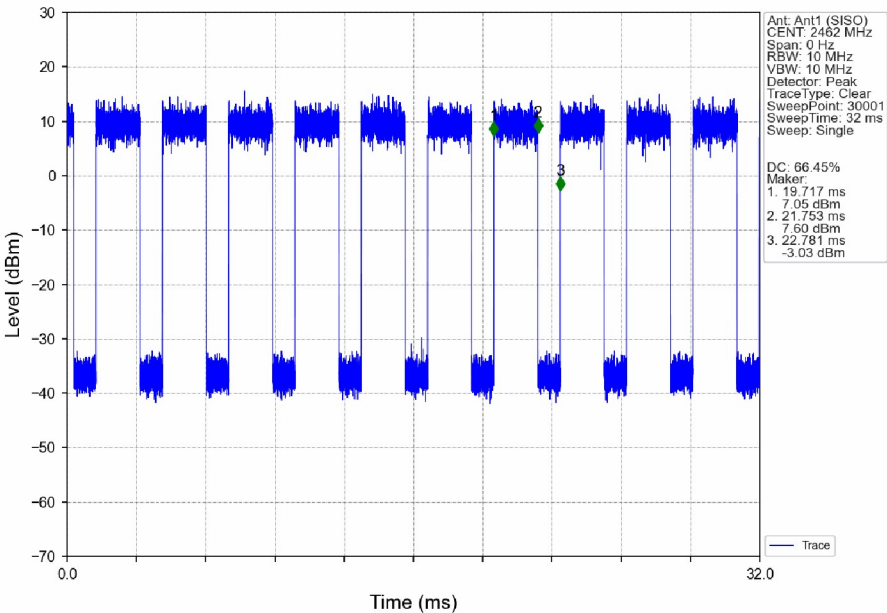
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



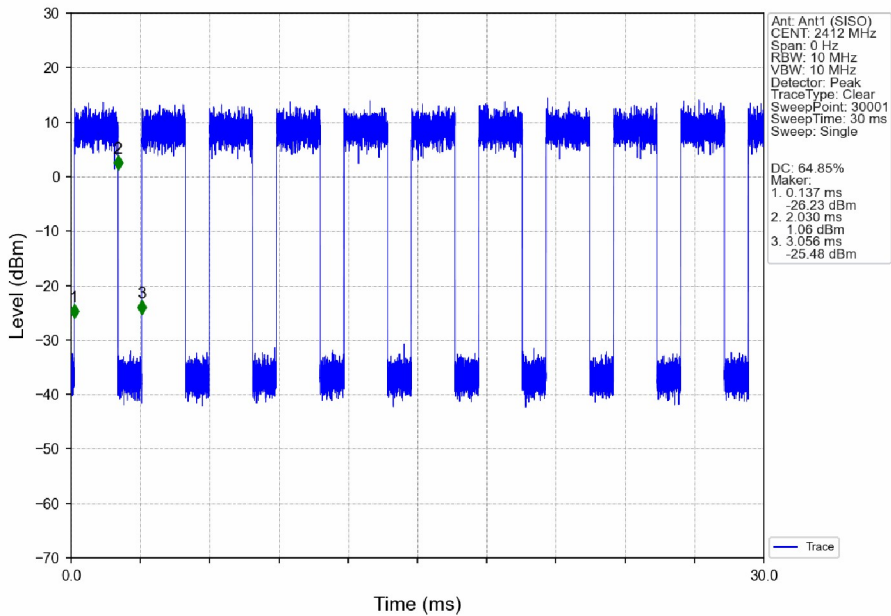
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



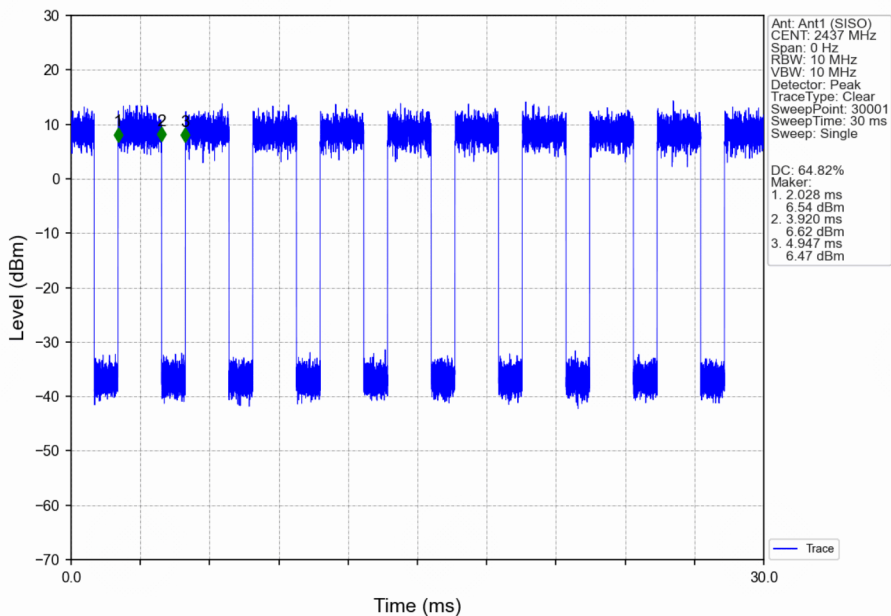
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

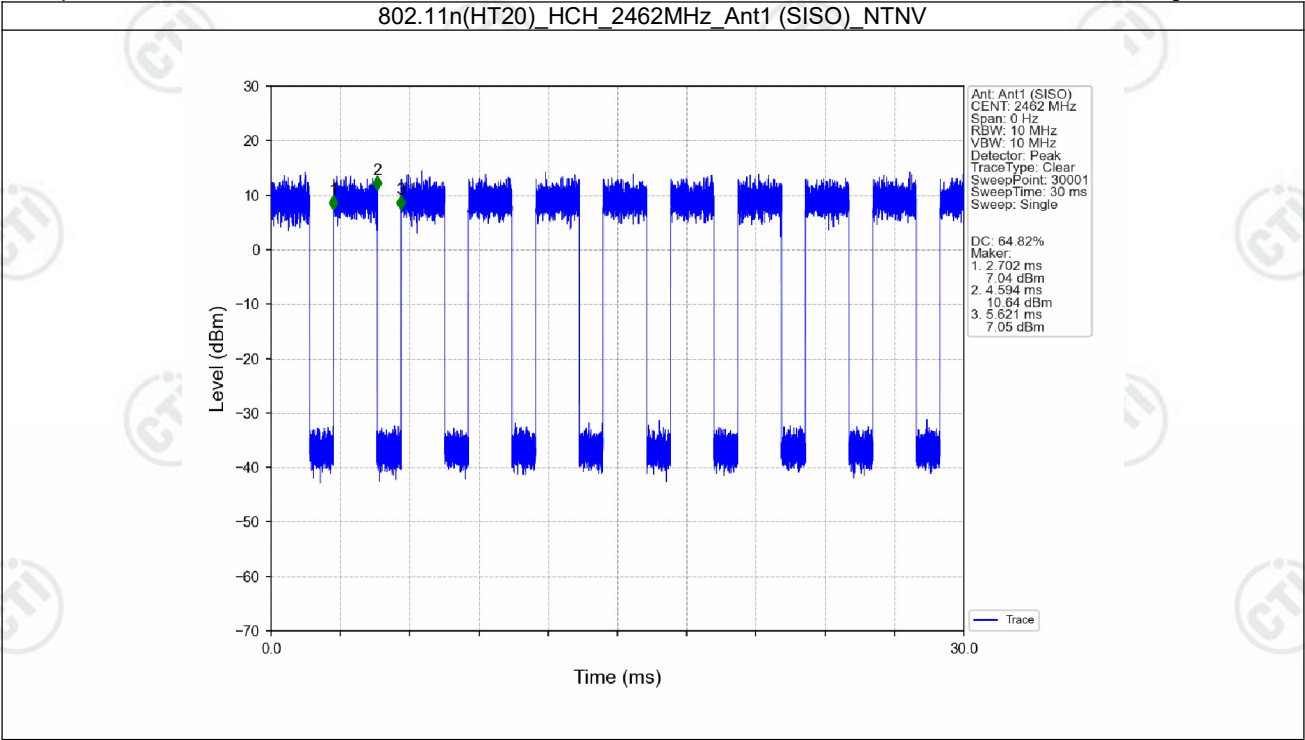


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





2. Bandwidth

2.1 Test Result

2.1.1 OBW

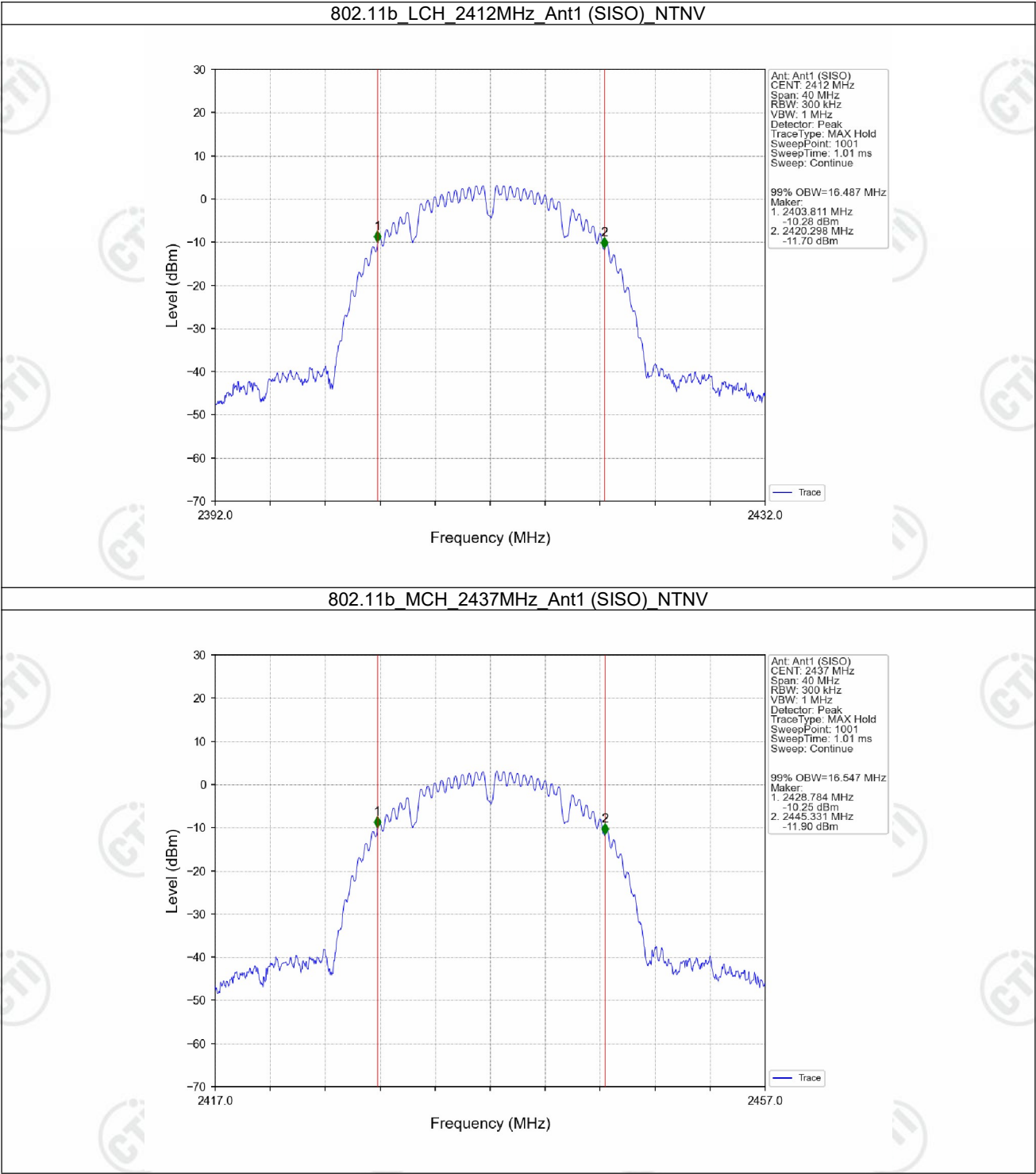
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	16.487	/	Pass
		2437	1	16.547	/	Pass
		2462	1	16.513	/	Pass
802.11g	SISO	2412	1	16.994	/	Pass
		2437	1	16.997	/	Pass
		2462	1	17.033	/	Pass
802.11n (HT20)	SISO	2412	1	17.938	/	Pass
		2437	1	17.967	/	Pass
		2462	1	17.947	/	Pass

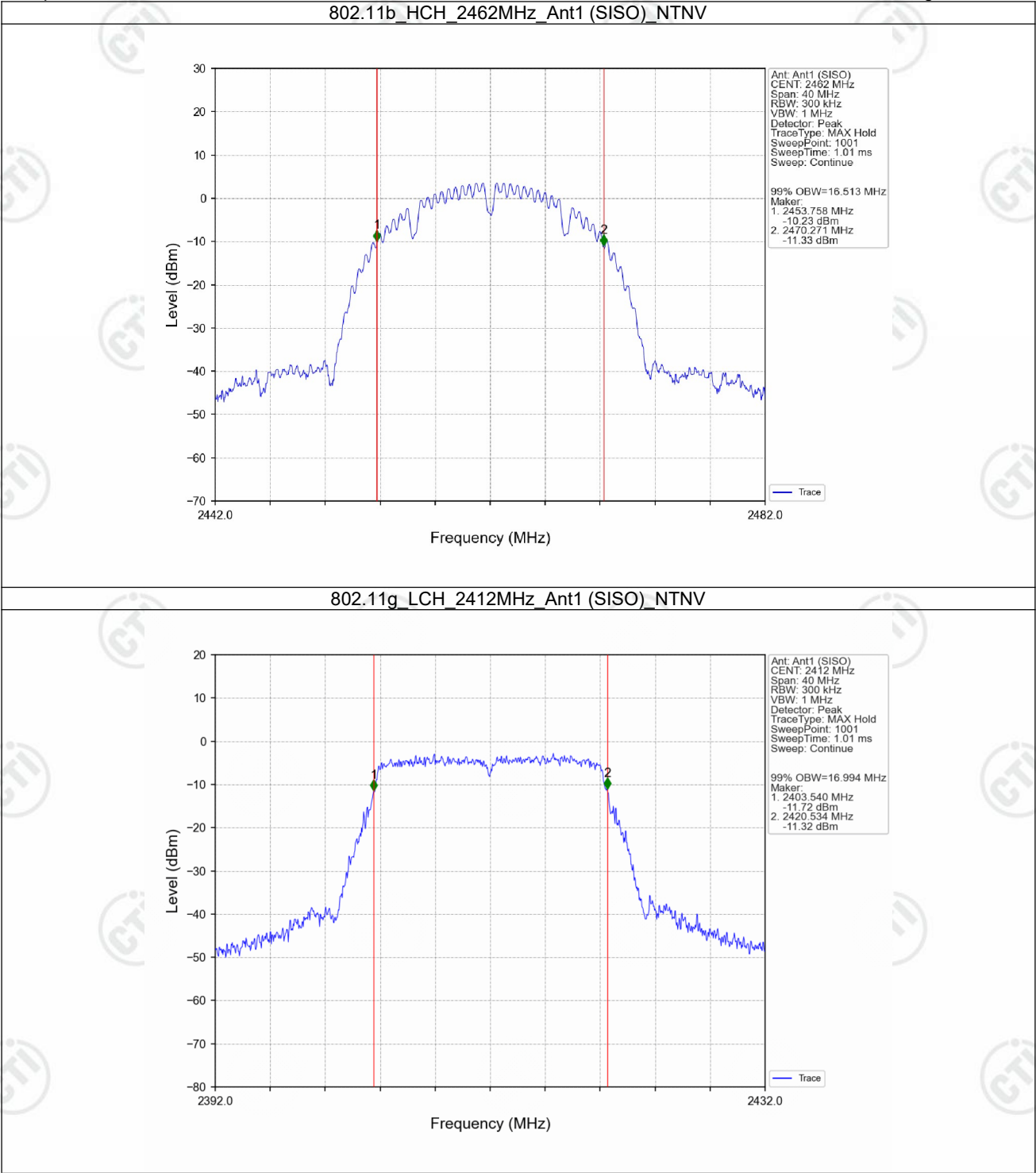
2.1.2 6dB BW

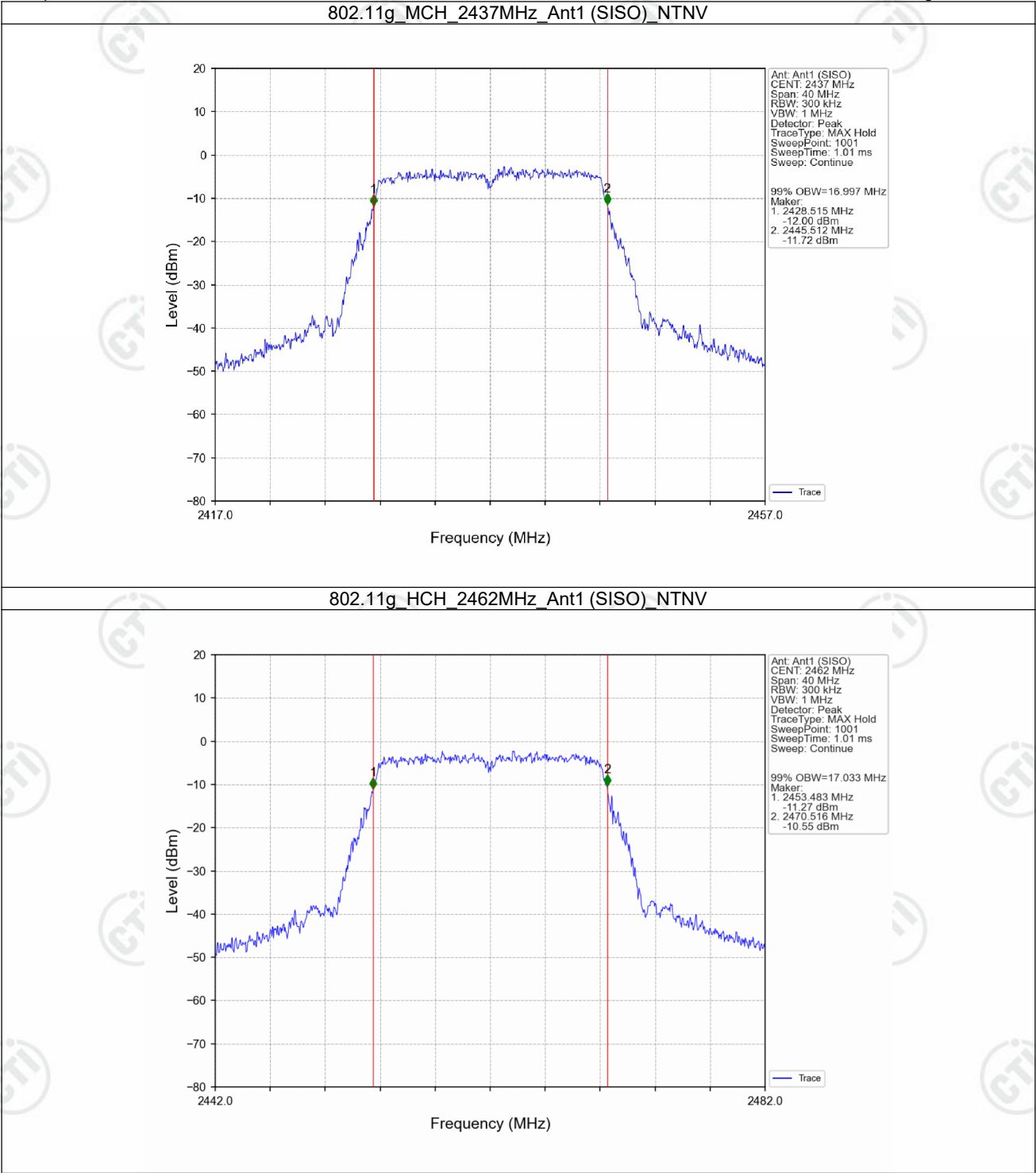
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.227	≥ 0.5	Pass
		2437	1	11.240	≥ 0.5	Pass
		2462	1	12.097	≥ 0.5	Pass
802.11g	SISO	2412	1	16.385	≥ 0.5	Pass
		2437	1	16.591	≥ 0.5	Pass
		2462	1	16.418	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.567	≥ 0.5	Pass
		2437	1	17.719	≥ 0.5	Pass
		2462	1	17.728	≥ 0.5	Pass

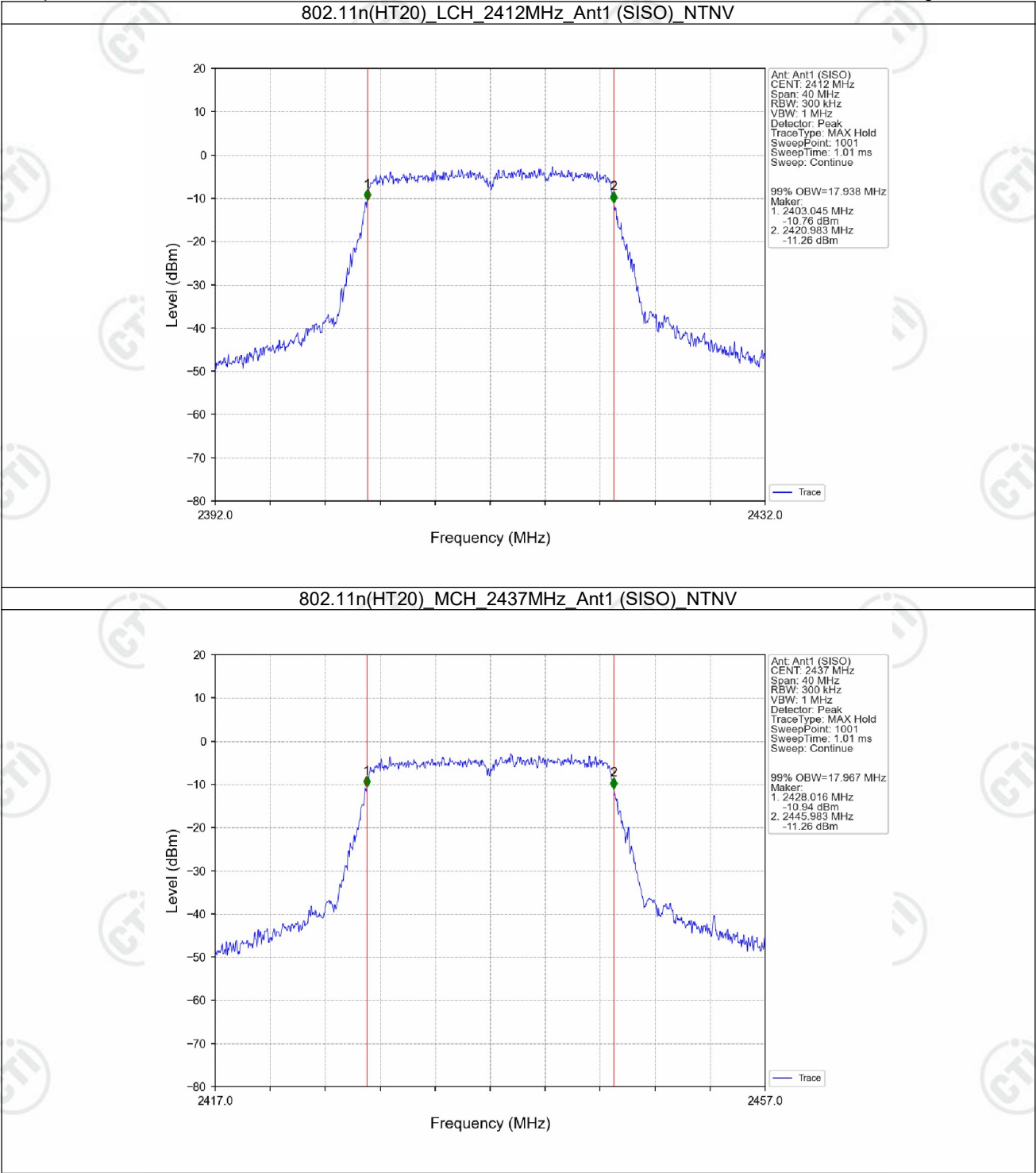
2.2 Test Graph

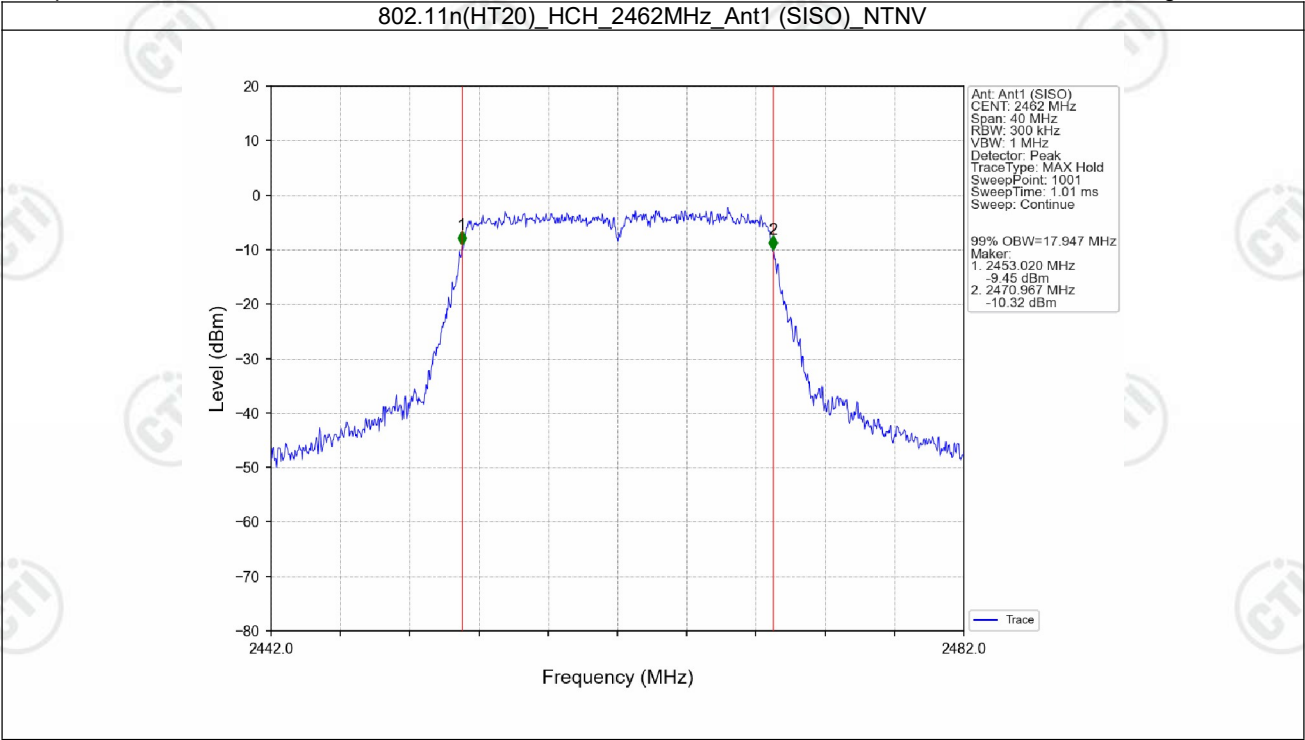
2.2.1 OBW



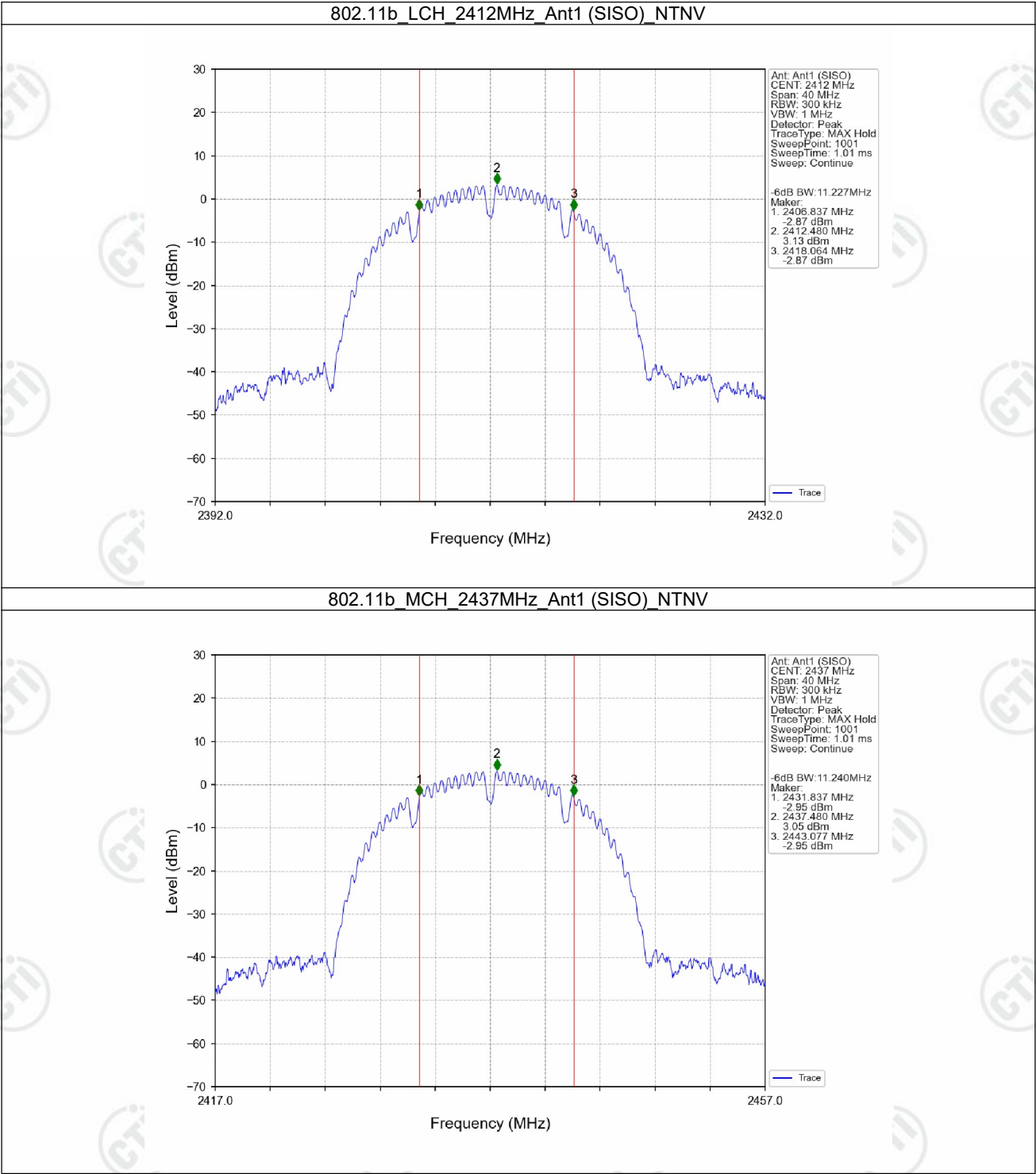




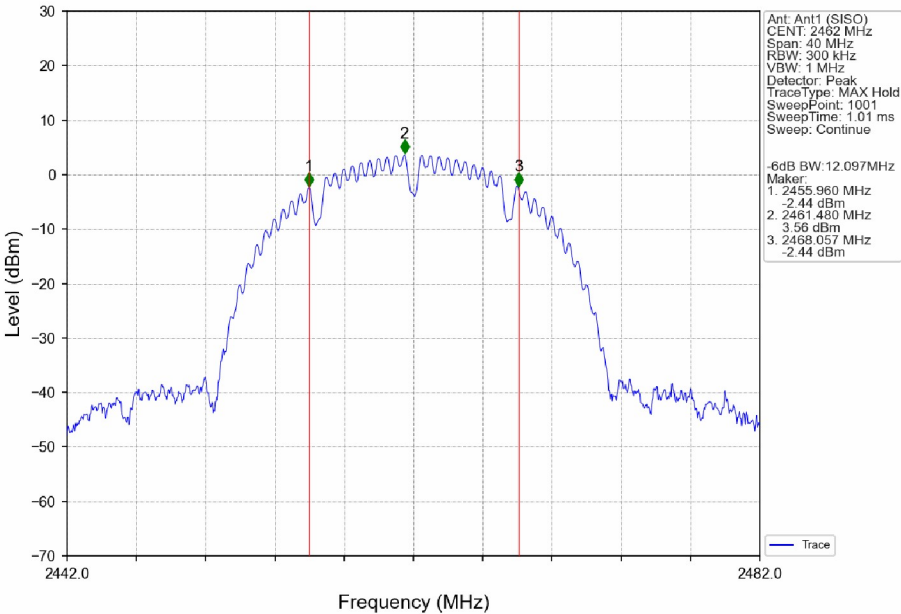




2.2.2 6dB BW



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

