

Appendix: 2.4G Wi-Fi

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1. Duty Cycle

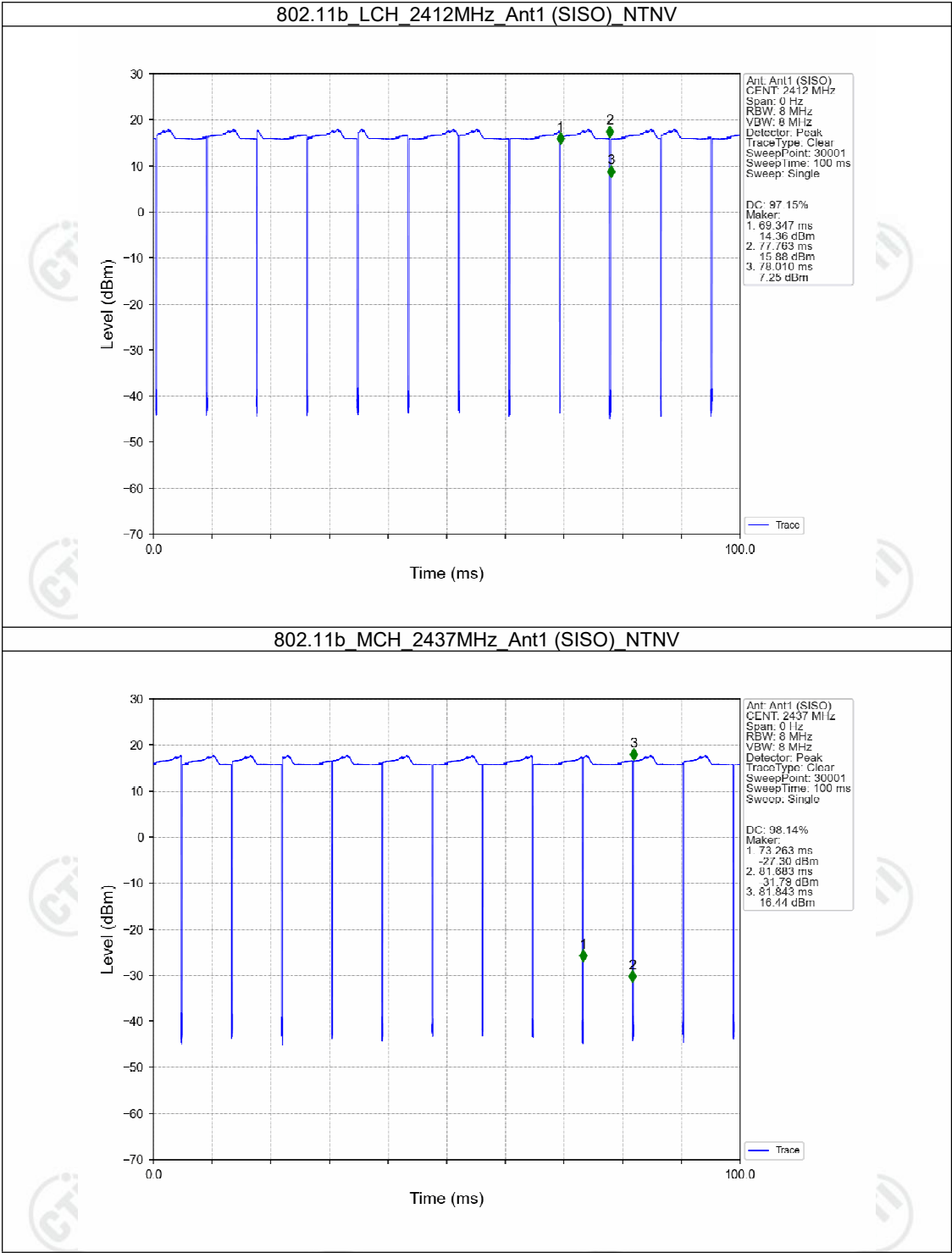
1.1 Test Result

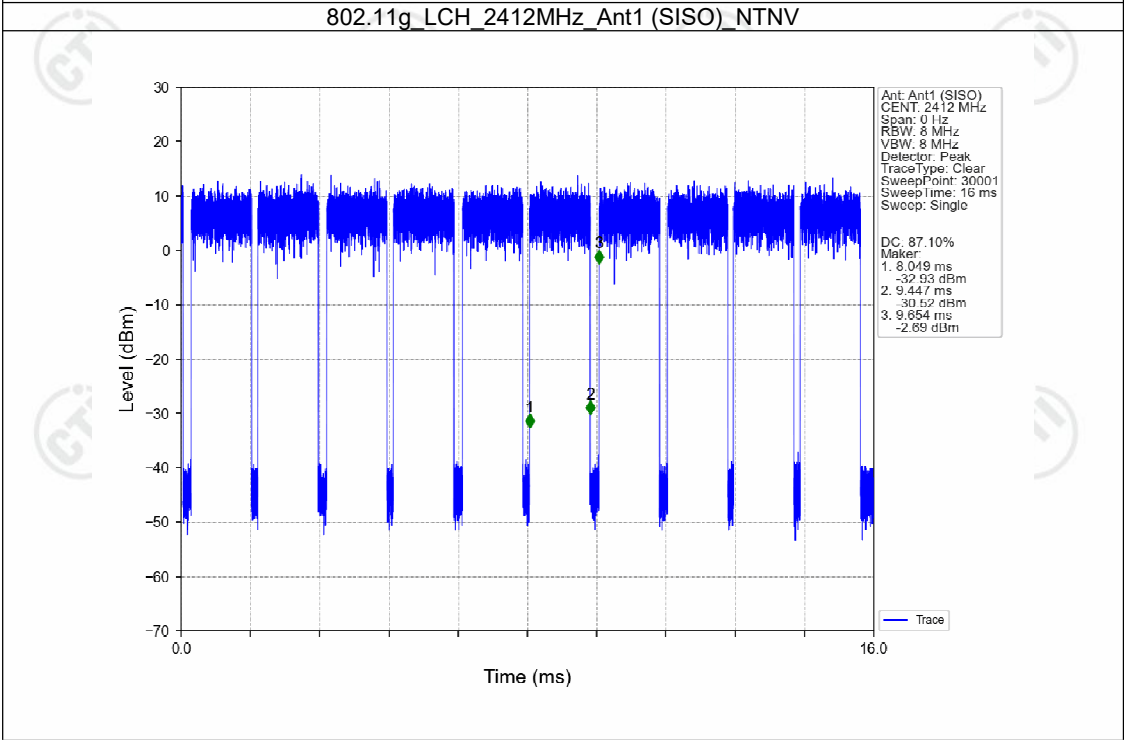
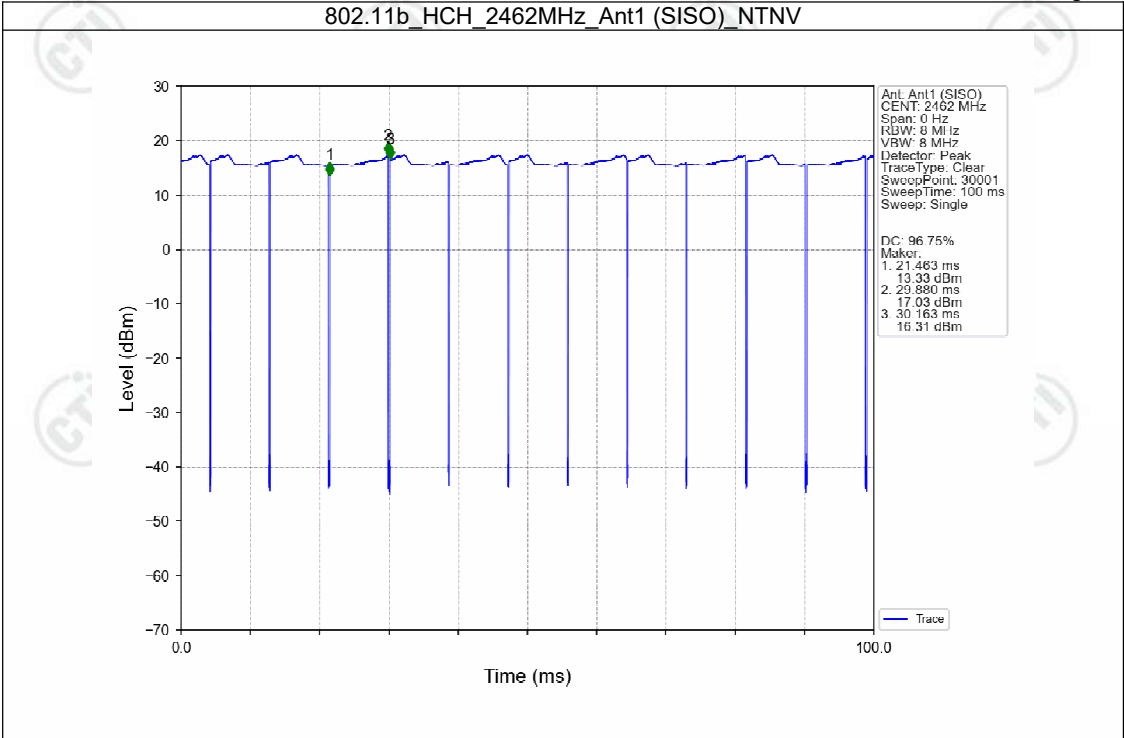
1.1.1 Ant1

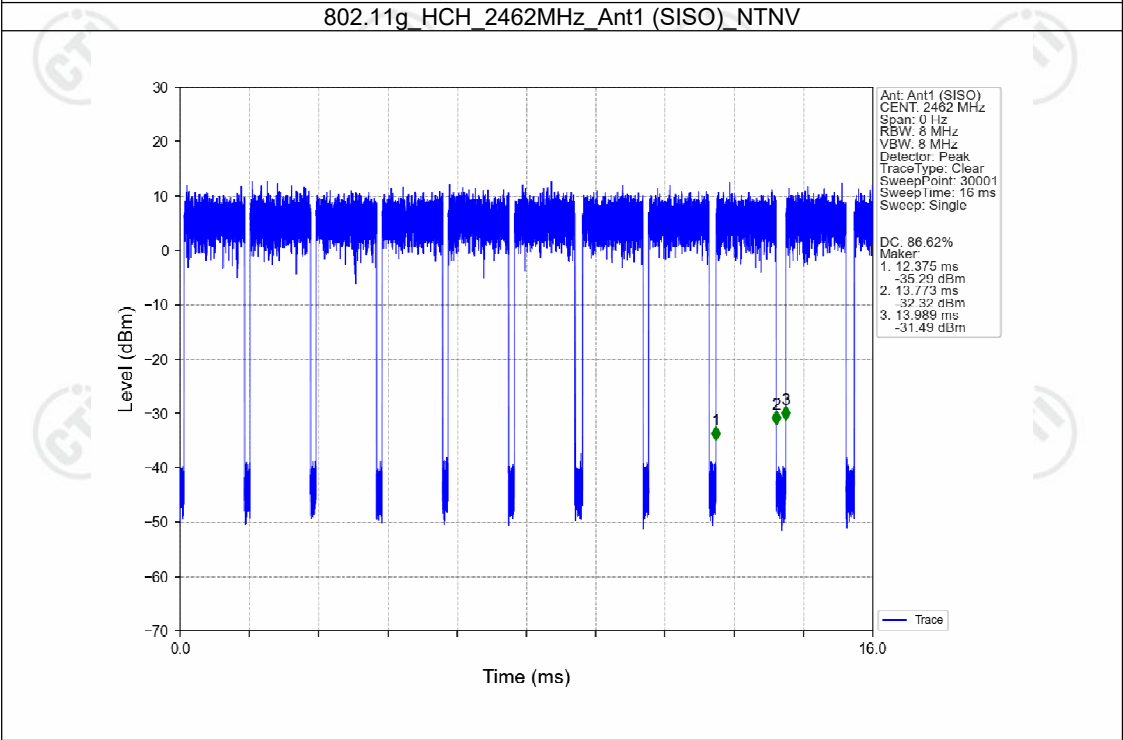
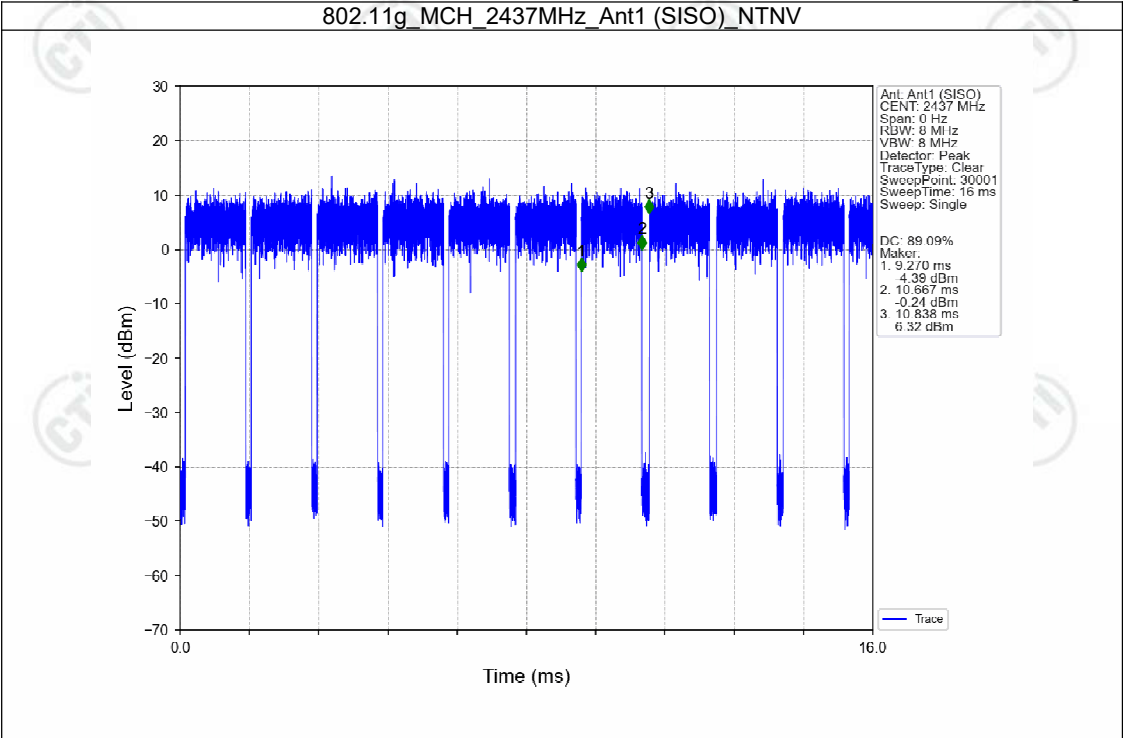
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.416	8.663	97.15	0.13	1.44
		2437	8.420	8.580	98.14	0.08	0.42
		2462	8.417	8.700	96.75	0.14	1.85
802.11g	SISO	2412	1.398	1.605	87.10	0.60	4.63
		2437	1.397	1.568	89.09	0.50	2.69
		2462	1.398	1.614	86.62	0.62	5.12
802.11n (HT20)	SISO	2412	5.091	5.296	96.13	0.17	1.44
		2437	5.091	5.306	95.95	0.18	1.65
		2462	5.105	5.278	96.72	0.14	1.21
802.11n (HT40)	SISO	2422	2.470	2.646	93.35	0.30	1.64
		2437	2.469	2.704	91.31	0.39	3.81
		2452	2.470	2.685	91.99	0.36	3.18

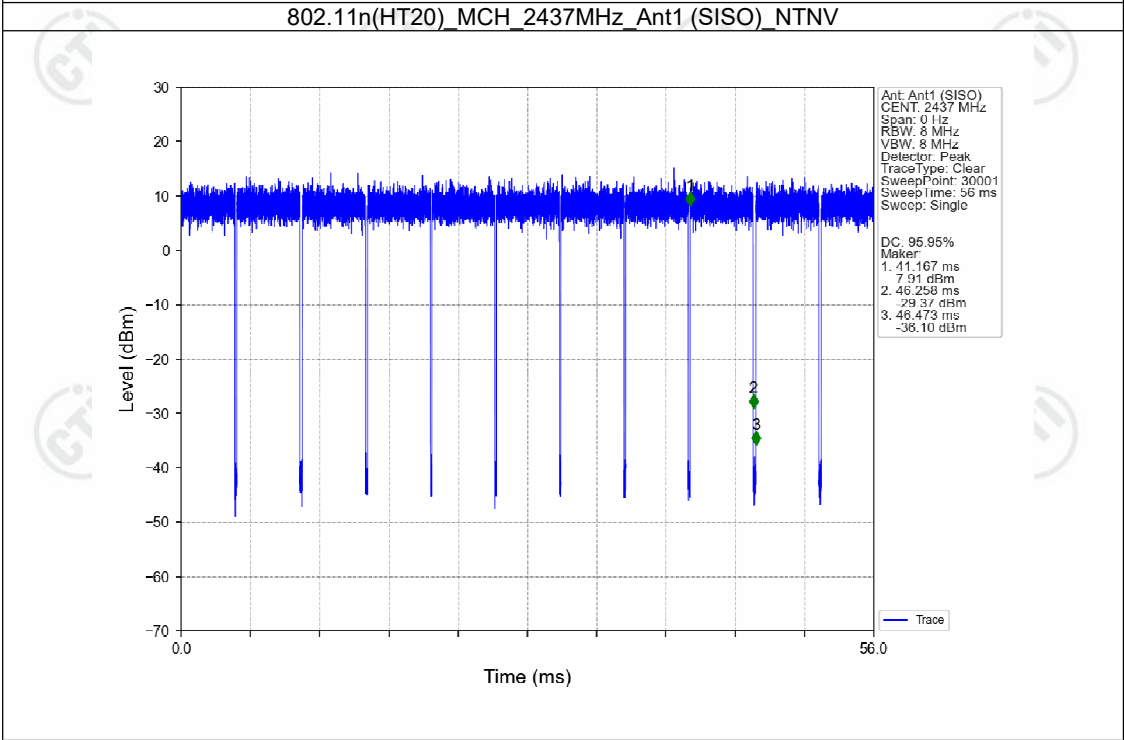
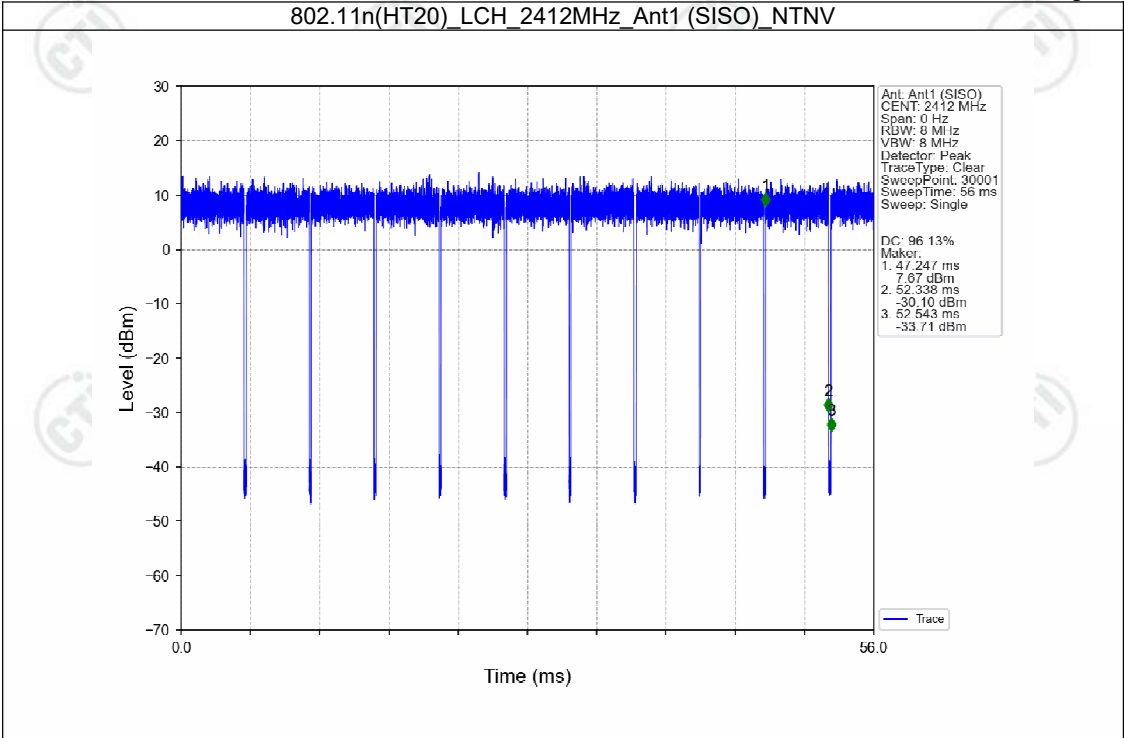
1.2 Test Graph

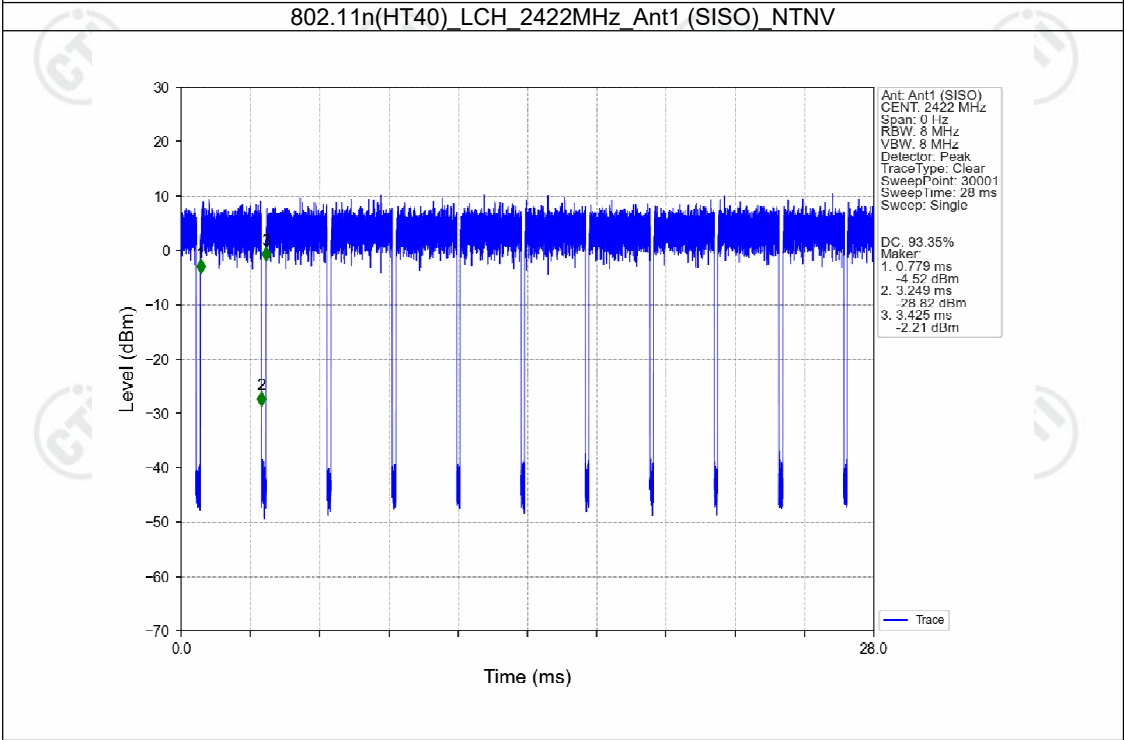
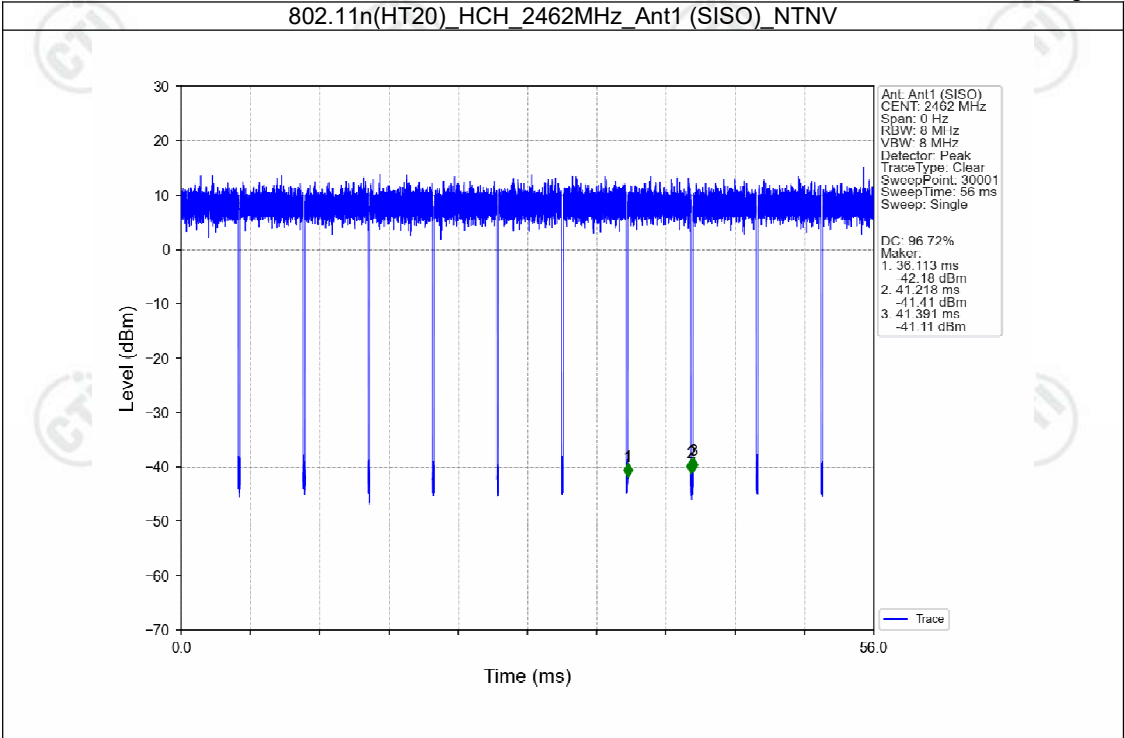
1.2.1 Ant1

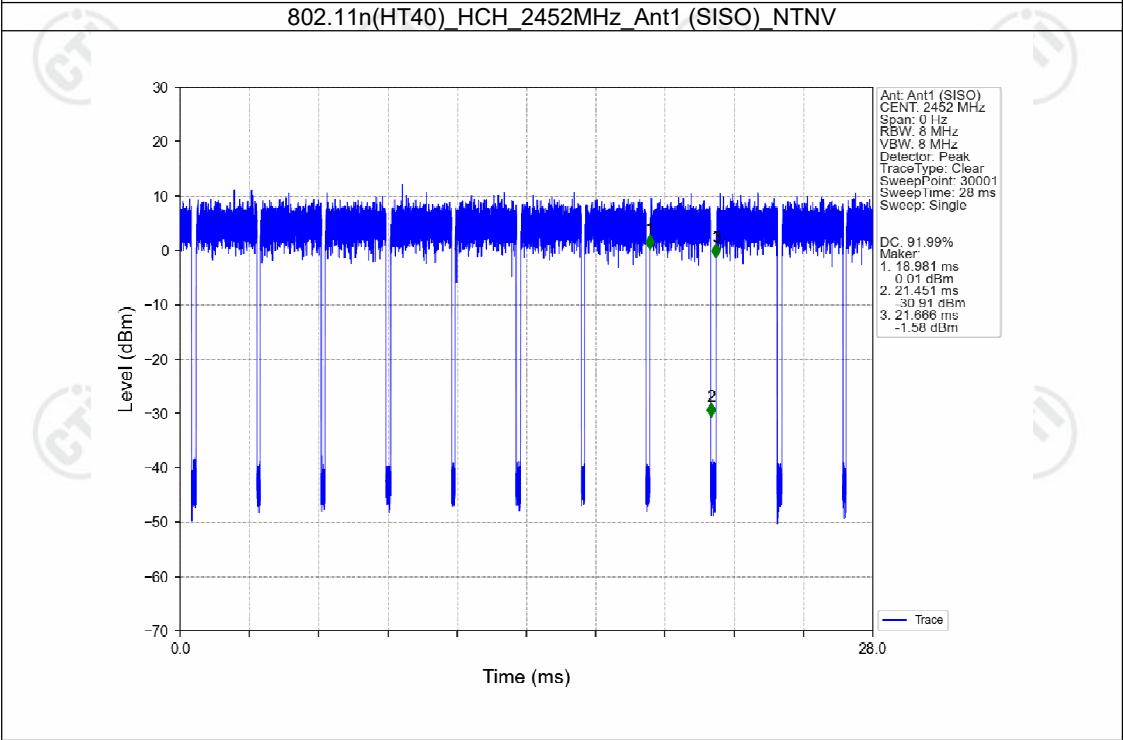
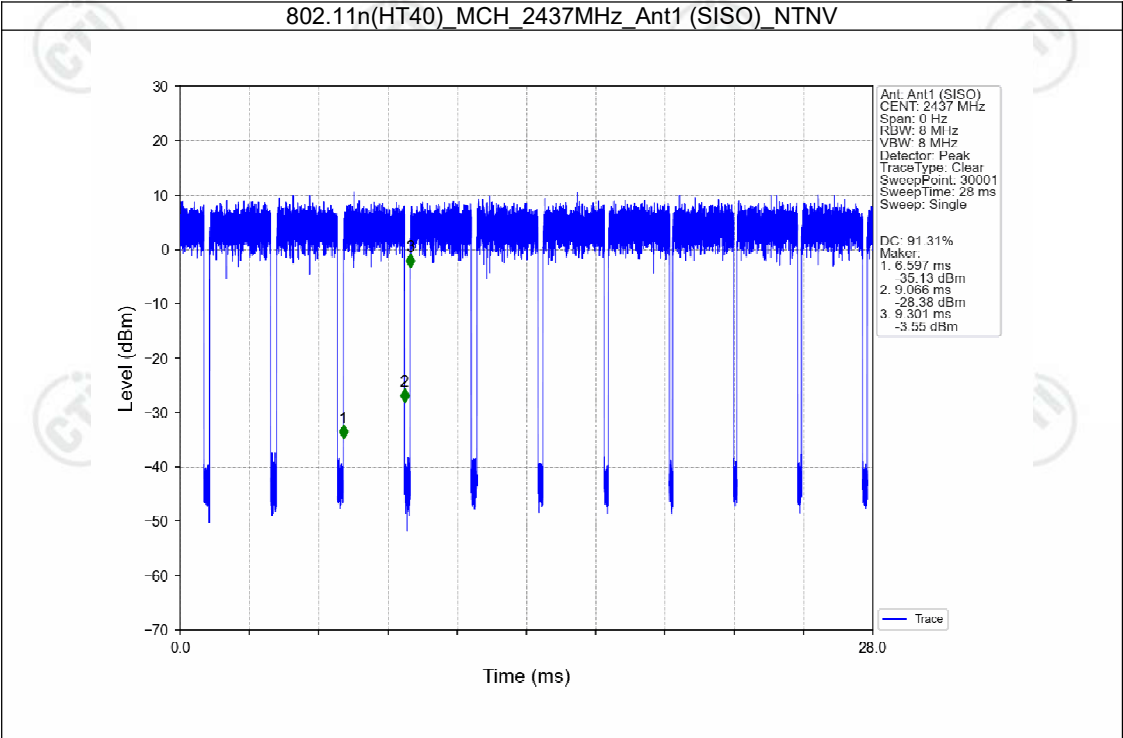












2. Bandwidth

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	13.083	/	Pass
		2437	1	13.103	/	Pass
		2462	1	13.112	/	Pass
802.11g	SISO	2412	1	16.701	/	Pass
		2437	1	16.695	/	Pass
		2462	1	16.685	/	Pass
802.11n (HT20)	SISO	2412	1	17.888	/	Pass
		2437	1	17.902	/	Pass
		2462	1	17.914	/	Pass
802.11n (HT40)	SISO	2422	1	37.208	/	Pass
		2437	1	37.161	/	Pass
		2452	1	37.191	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.177	≥ 0.5	Pass
		2437	1	9.180	≥ 0.5	Pass
		2462	1	9.184	≥ 0.5	Pass
802.11g	SISO	2412	1	16.335	≥ 0.5	Pass
		2437	1	16.367	≥ 0.5	Pass
		2462	1	16.354	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.554	≥ 0.5	Pass
		2437	1	17.470	≥ 0.5	Pass
		2462	1	17.562	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.318	≥ 0.5	Pass
		2437	1	36.076	≥ 0.5	Pass
		2452	1	36.531	≥ 0.5	Pass

2.2 Test Graph

2.2.1 OBW

