

Appendix: 2.4G Wi-Fi

Contents

1. Duty Cycle	4
1.1 Test Result	4
1.1.1 Ant1	4
1.2 Test Graph	5
1.2.1 Ant1	5
2. Bandwidth	14
2.1 Test Result	14
2.1.1 OBW	14
2.1.2 6dB BW	14
2.2 Test Graph	15
2.2.1 OBW	15
2.2.2 6dB BW	24
3. Maximum Conducted Output Power	33
3.1 Test Result	33
3.1.1 Power	33
4. Maximum Power Spectral Density	34
4.1 Test Result	34
4.1.1 PSD	34
4.2 Test Graph	35
4.2.1 PSD	35
5. Unwanted Emissions In Non-restricted Frequency Bands	44
5.1 Test Result	44
5.1.1 Ref	44
5.1.2 CSE	44

5.2 Test Graph 45

5.2.1 Ref 45

5.2.2 CSE 54

1. Duty Cycle

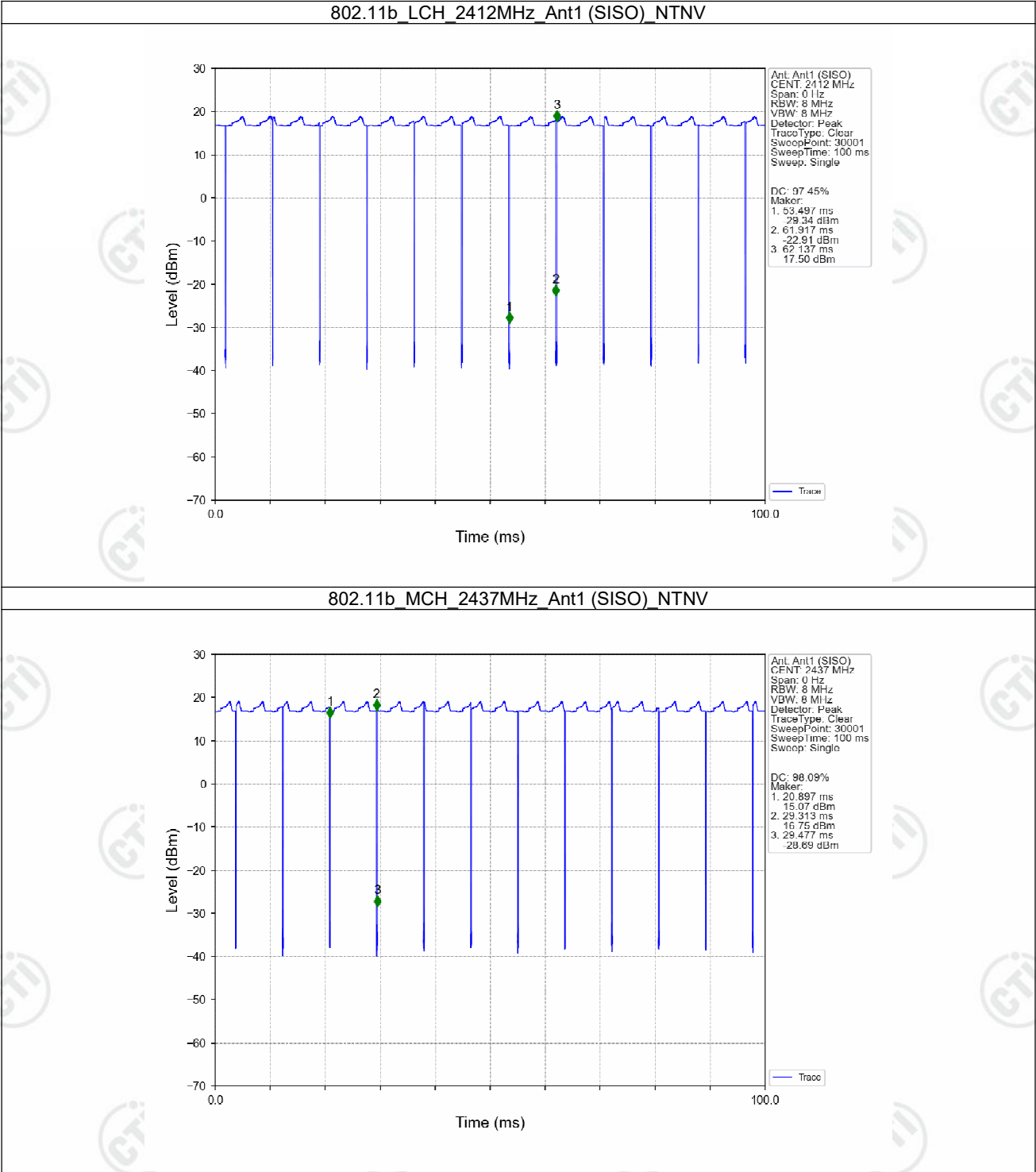
1.1 Test Result

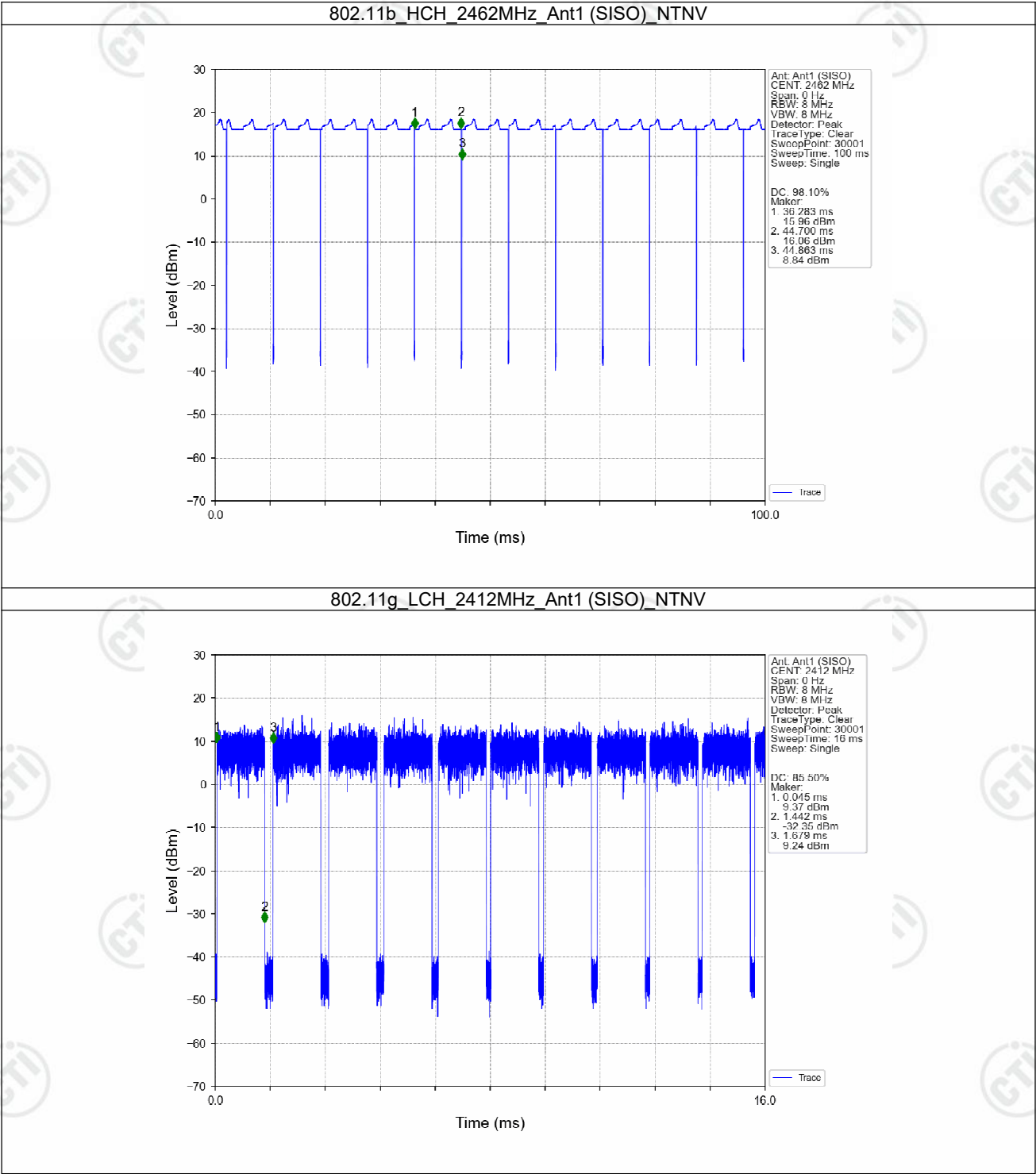
1.1.1 Ant1

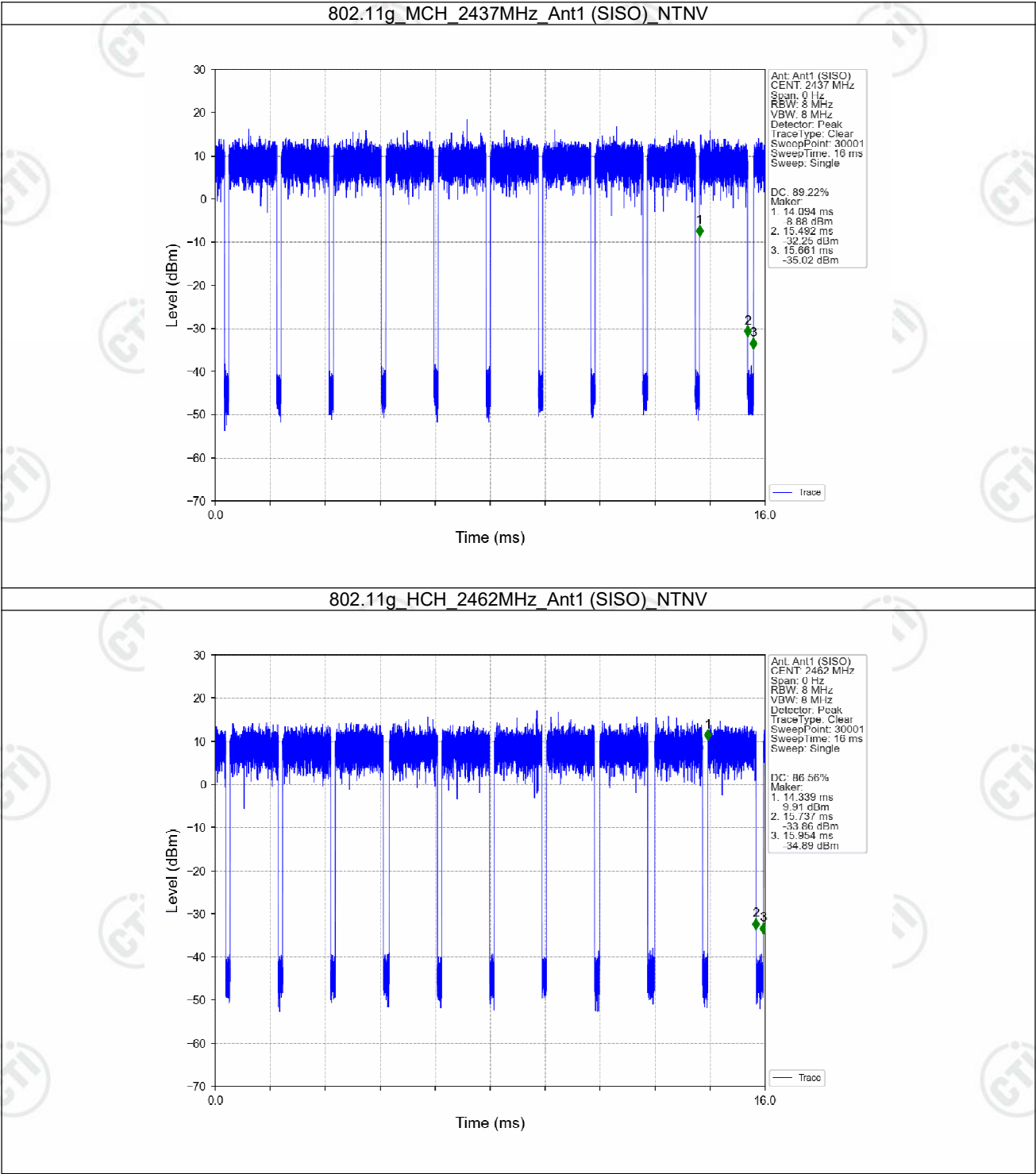
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.420	8.640	97.45	0.11	0.91
		2437	/	/	8.416	8.580	98.09	0.08	0.54
		2462	/	/	8.417	8.580	98.10	0.08	0.54
802.11g	SISO	2412	/	/	1.397	1.634	85.50	0.68	6.04
		2437	/	/	1.398	1.567	89.22	0.50	2.66
		2462	/	/	1.398	1.615	86.56	0.63	5.12
802.11n (HT20)	SISO	2412	/	/	5.091	5.309	95.89	0.18	1.65
		2437	/	/	5.088	5.213	97.60	0.11	0.04
		2462	/	/	5.108	5.938	86.02	0.65	11.91
802.11n (HT40)	SISO	2422	/	/	4.898	5.089	96.25	0.17	1.21
		2437	/	/	4.917	5.097	96.47	0.16	1.38
		2452	/	/	4.896	5.077	96.43	0.16	1.04
802.11ax (HEW20)	SISO	2412	SU	/	3.877	4.048	95.78	0.19	1.07
		2437	SU	/	3.878	4.049	95.78	0.19	1.11
		2462	SU	/	3.876	4.114	94.21	0.26	2.52
802.11ax (HEW40)	SISO	2422	SU	/	3.874	4.043	95.82	0.19	1.07
		2437	SU	/	3.874	4.043	95.82	0.19	1.07
		2452	SU	/	3.874	4.347	89.12	0.50	2.26

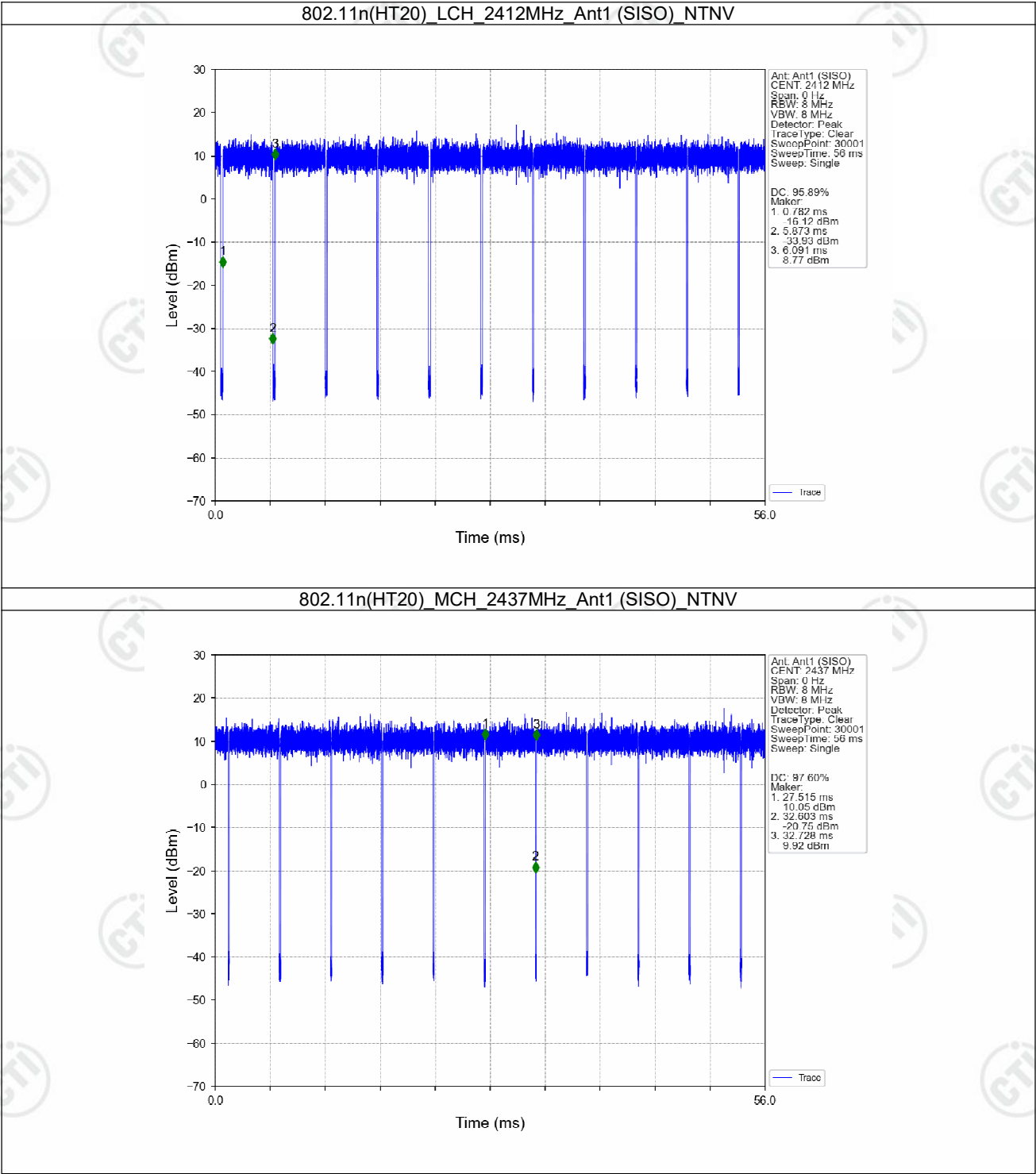
1.2 Test Graph

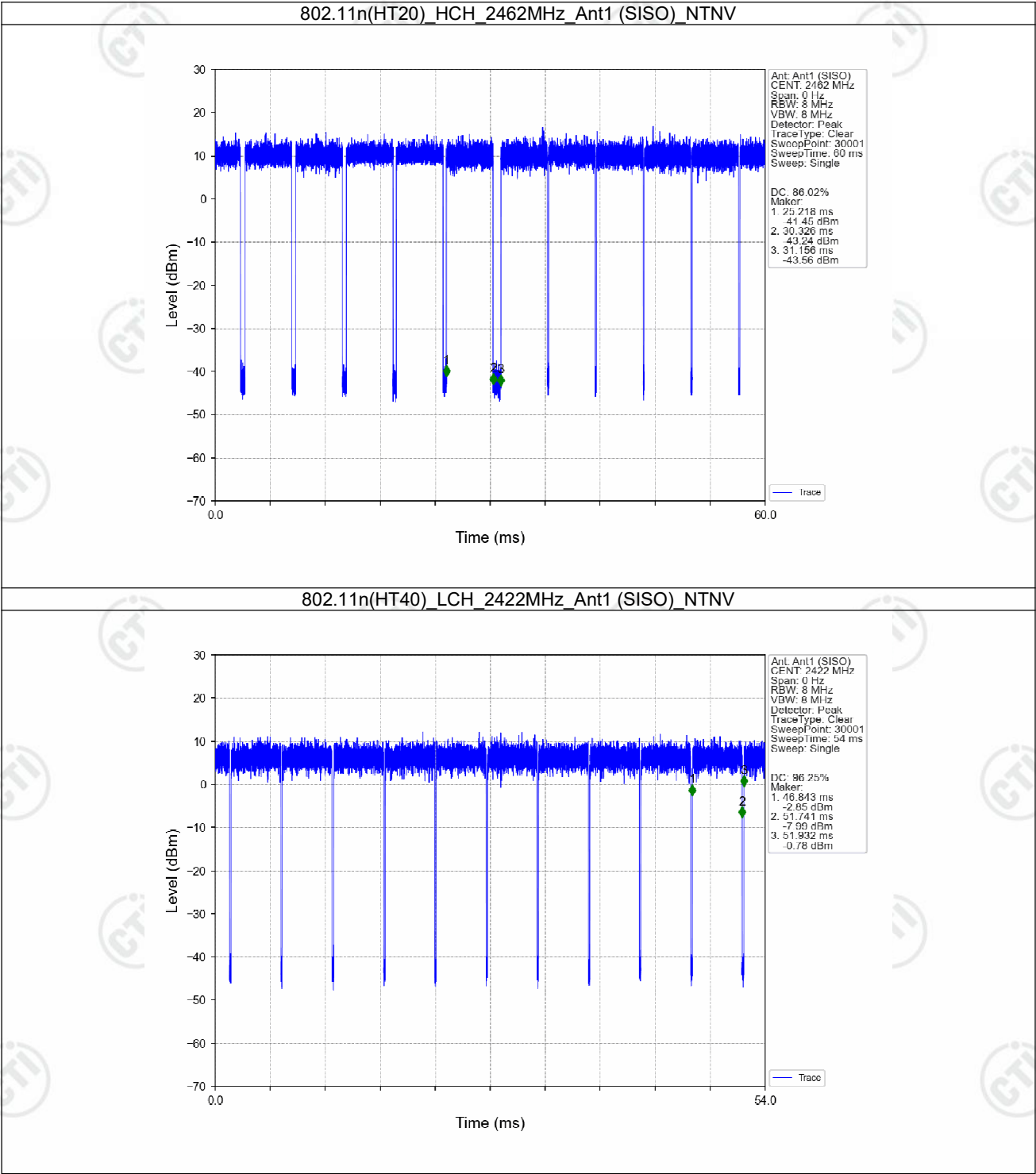
1.2.1 Ant1

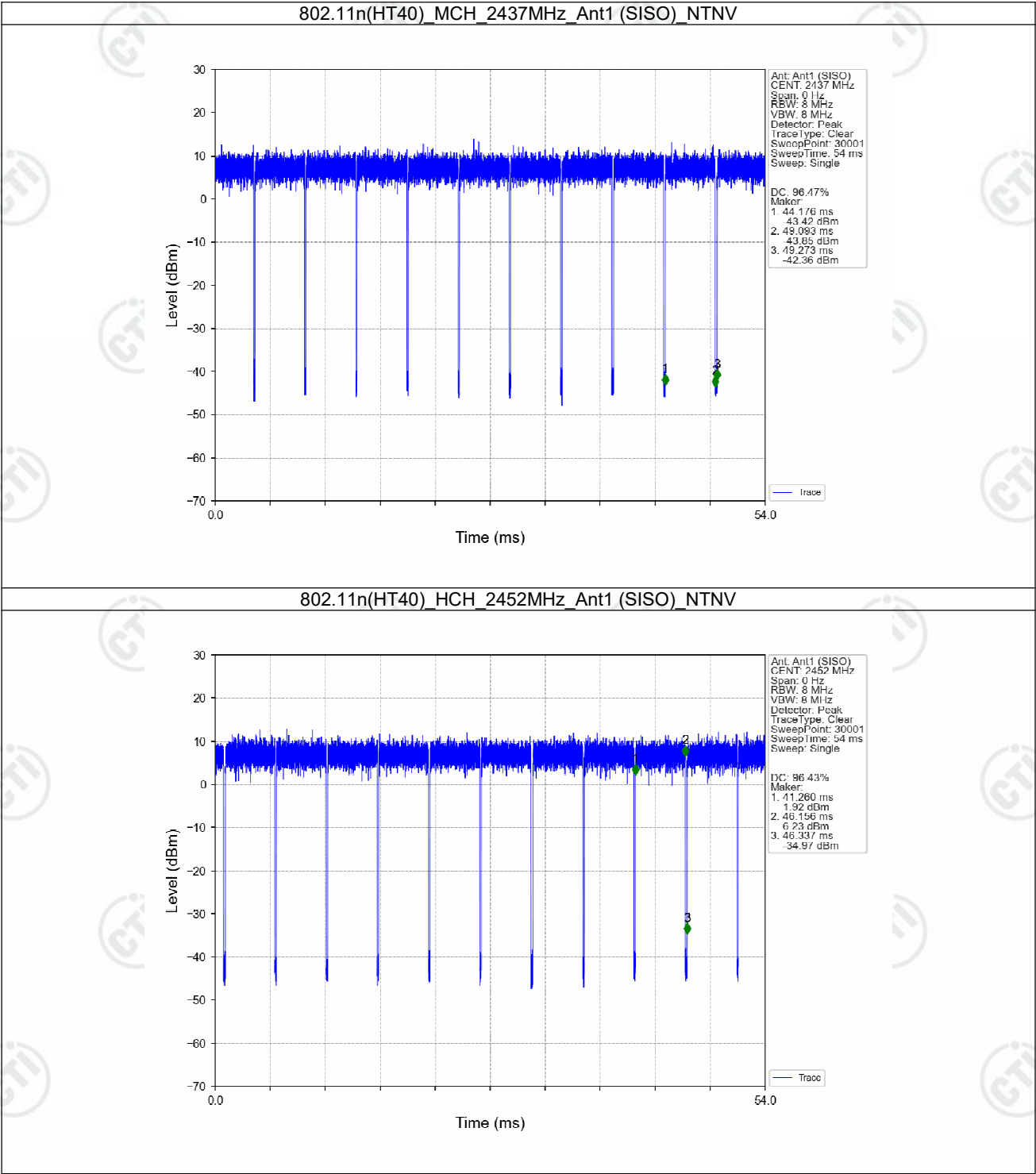


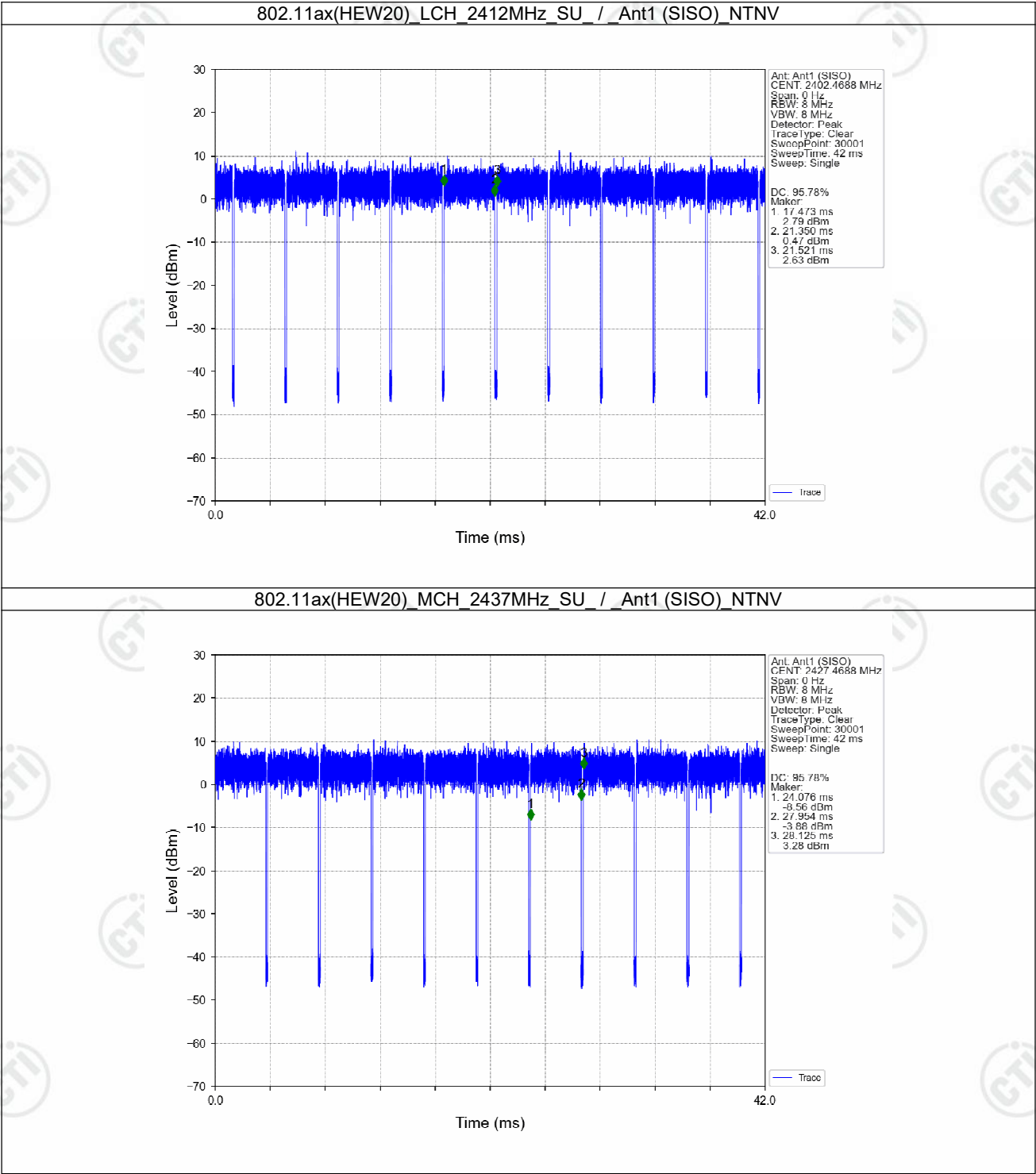


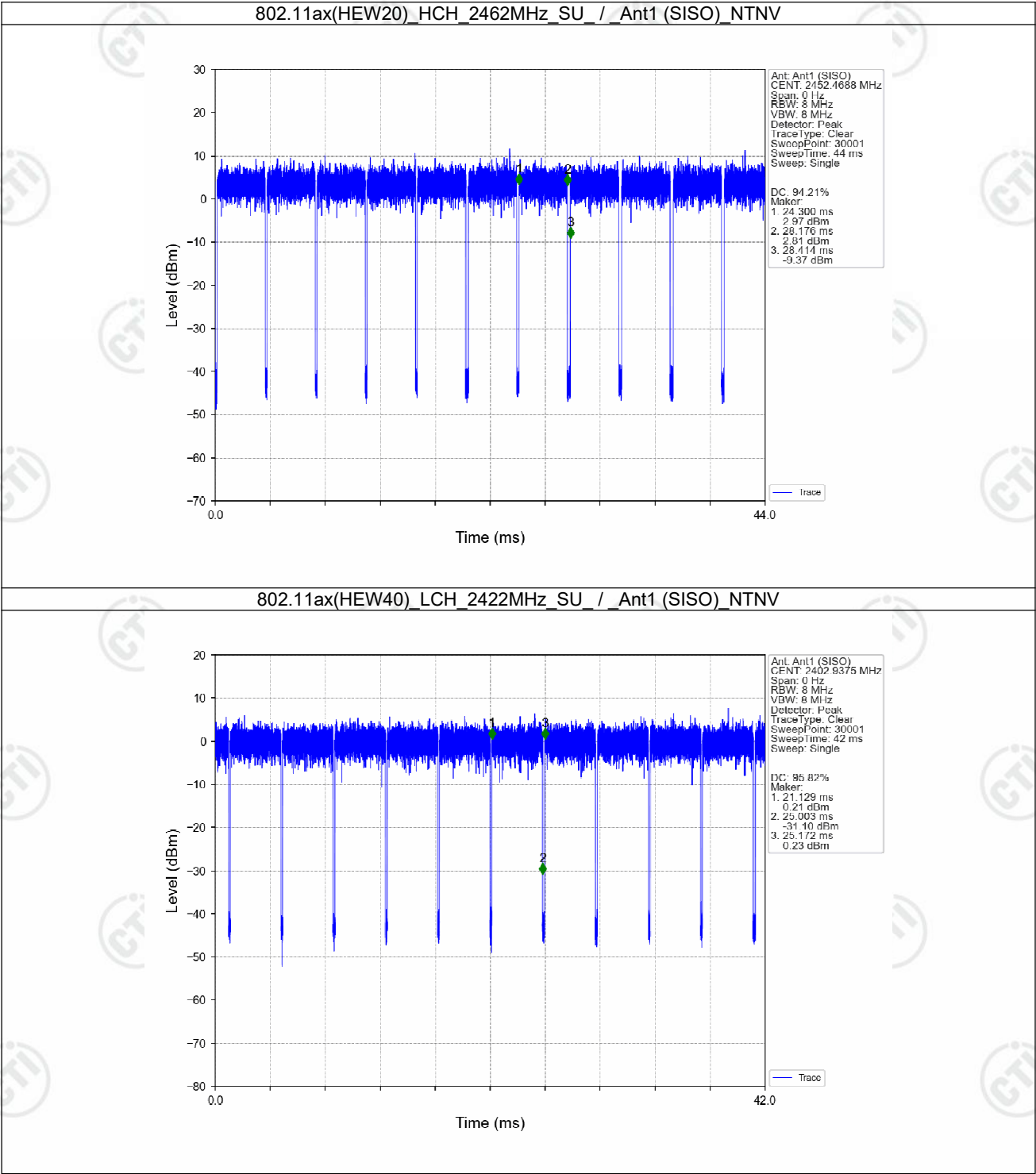


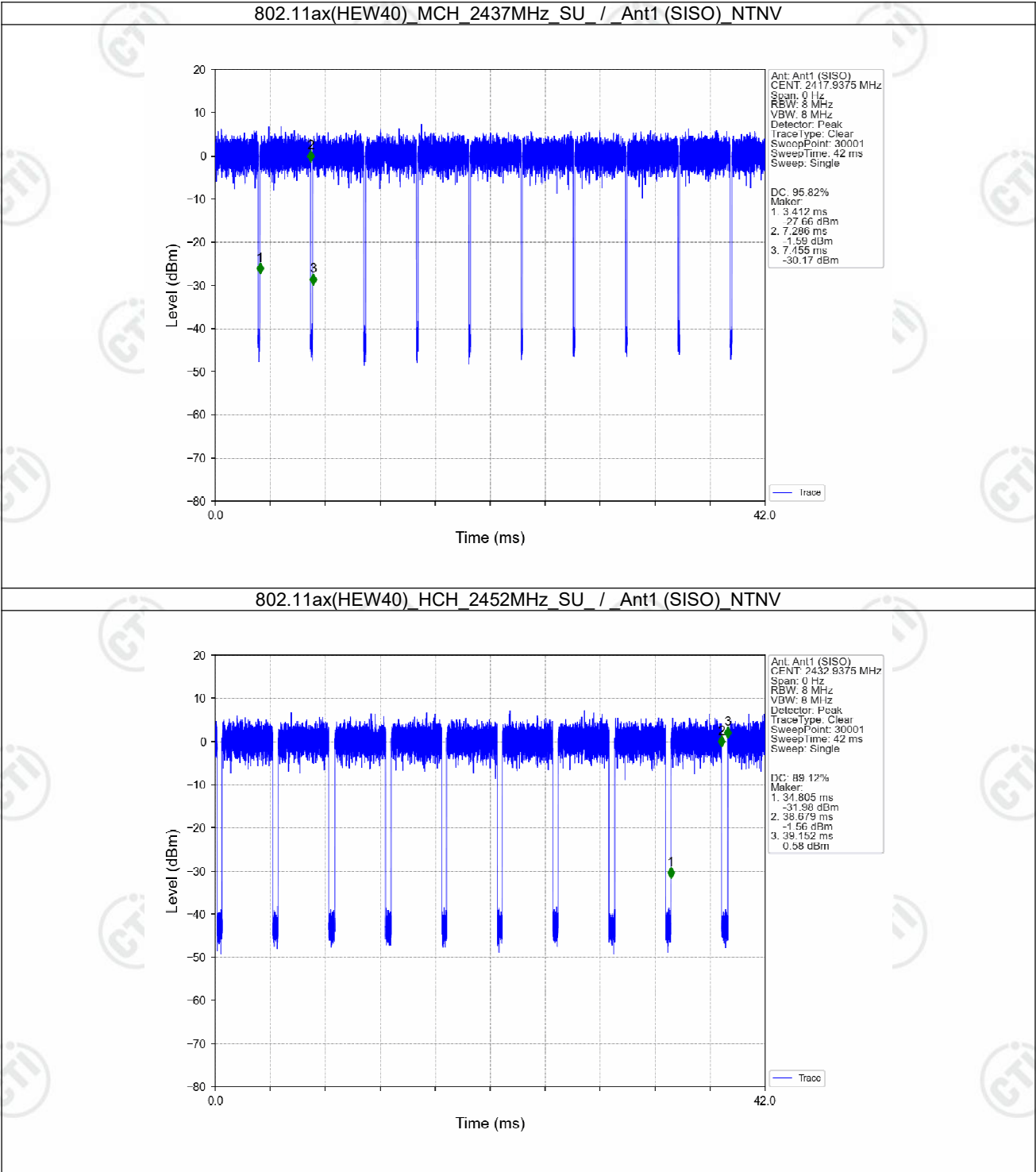












2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	14.895	/	Pass
		2437	/	/	1	14.863	/	Pass
		2462	/	/	1	14.832	/	Pass
802.11g	SISO	2412	/	/	1	16.694	/	Pass
		2437	/	/	1	16.704	/	Pass
		2462	/	/	1	16.672	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.877	/	Pass
		2437	/	/	1	17.869	/	Pass
		2462	/	/	1	17.888	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.218	/	Pass
		2437	/	/	1	37.272	/	Pass
		2452	/	/	1	37.306	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.065	/	Pass
		2437	SU	/	1	19.082	/	Pass
		2462	SU	/	1	19.023	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.260	/	Pass
		2437	SU	/	1	38.273	/	Pass
		2452	SU	/	1	38.360	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	10.131	>=0.5	Pass
		2437	/	/	1	10.130	>=0.5	Pass
		2462	/	/	1	10.111	>=0.5	Pass
802.11g	SISO	2412	/	/	1	16.368	>=0.5	Pass
		2437	/	/	1	16.360	>=0.5	Pass
		2462	/	/	1	16.376	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.556	>=0.5	Pass
		2437	/	/	1	17.585	>=0.5	Pass
		2462	/	/	1	17.595	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.423	>=0.5	Pass
		2437	/	/	1	36.065	>=0.5	Pass
		2452	/	/	1	36.350	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.920	>=0.5	Pass
		2437	SU	/	1	18.964	>=0.5	Pass
		2462	SU	/	1	18.860	>=0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.246	>=0.5	Pass
		2437	SU	/	1	37.636	>=0.5	Pass
		2452	SU	/	1	37.623	>=0.5	Pass

2.2 Test Graph

2.2.1 OBW

