

Appendix: 2.4G Wi-Fi

1. Duty Cycle

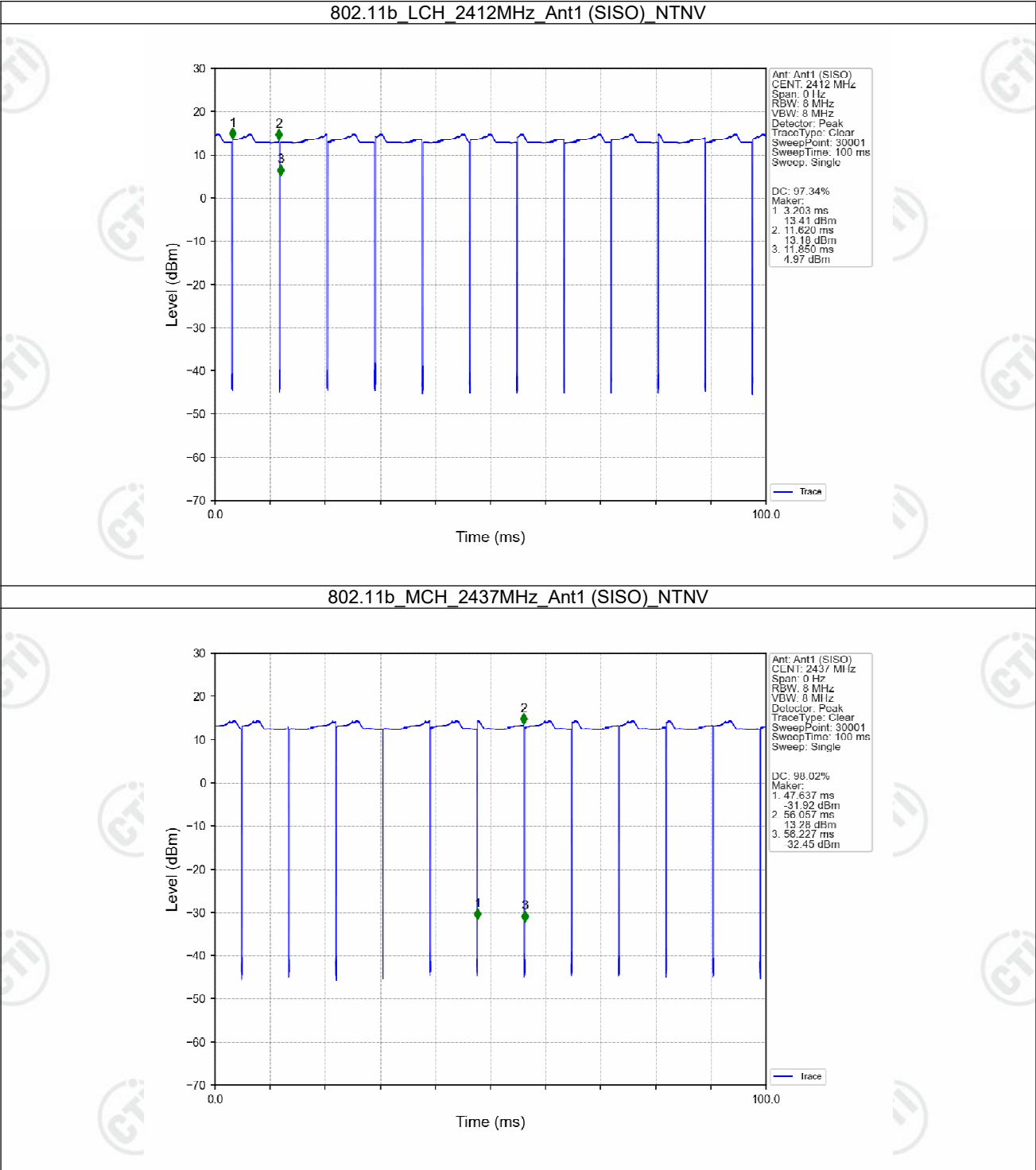
1.1 Test Result

1.1.1 Ant1

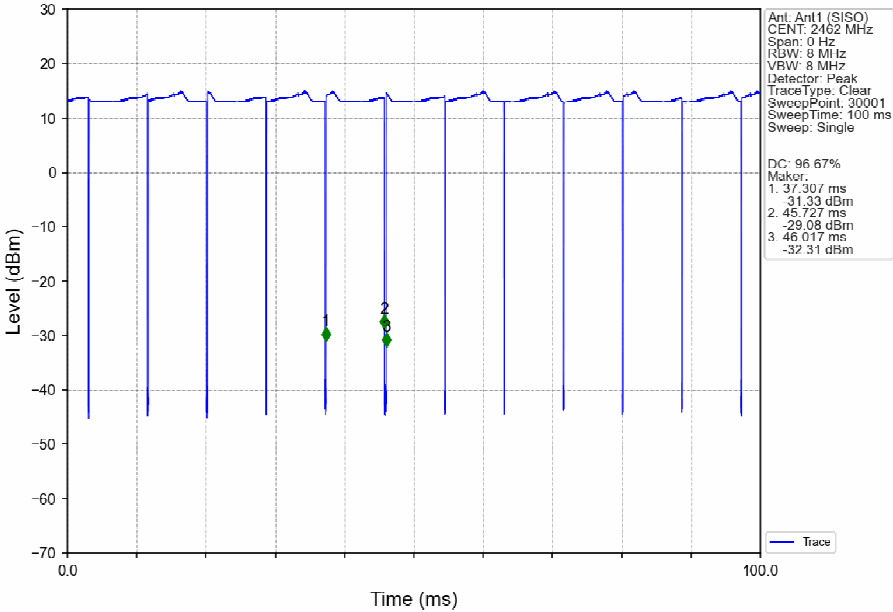
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant1		Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
					T_on (ms)	Period (ms)			
802.11b	SISO	2412	/	/	8.417	8.647	97.34	0.12	1.26
		2437	/	/	8.420	8.590	98.02	0.09	0.61
		2462	/	/	8.420	8.710	96.67	0.15	1.96
802.11g	SISO	2412	/	/	1.396	1.634	85.43	0.68	6.10
		2437	/	/	1.396	1.522	91.72	0.38	0.04
		2462	/	/	1.396	1.522	91.72	0.38	0.00
802.11n (HT20)	SISO	2412	/	/	5.090	5.268	96.62	0.15	1.00
		2437	/	/	5.091	5.259	96.81	0.14	0.83
		2462	/	/	5.090	5.478	92.92	0.32	4.66
802.11n (HT40)	SISO	2422	/	/	2.469	2.705	91.28	0.40	3.81
		2437	/	/	2.470	2.660	92.86	0.32	2.22
		2452	/	/	2.468	2.958	83.43	0.79	3.43
802.11ax (HEW20)	SISO	2412	SU	/	3.878	4.049	95.78	0.19	1.07
		2437	SU	/	3.876	4.114	94.21	0.26	2.52
		2462	SU	/	3.877	4.047	95.80	0.19	1.11
802.11ax (HEW40)	SISO	2422	SU	/	1.969	2.461	80.01	0.97	4.33
		2437	SU	/	1.970	2.424	81.27	0.90	3.15
		2452	SU	/	1.970	2.179	90.41	0.44	3.51

1.2 Test Graph

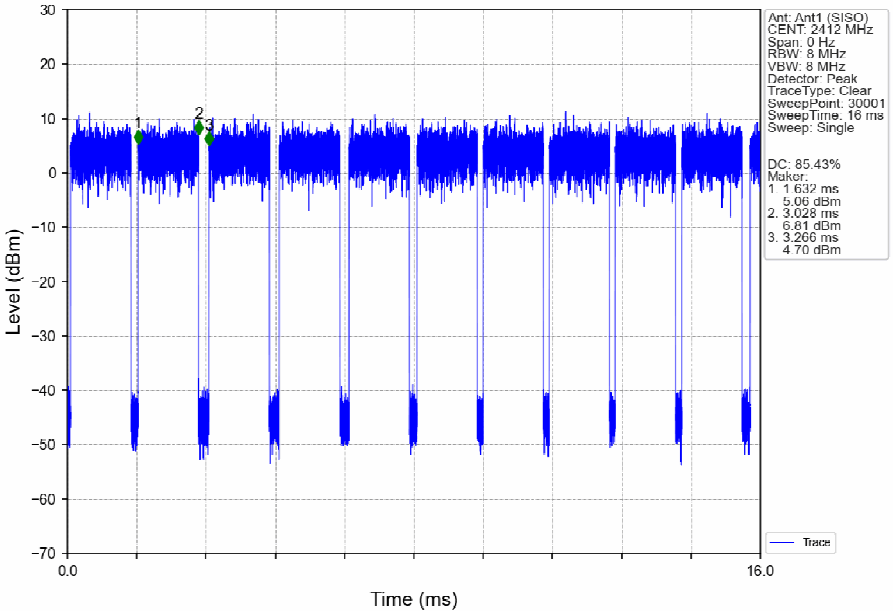
1.2.1 Ant1



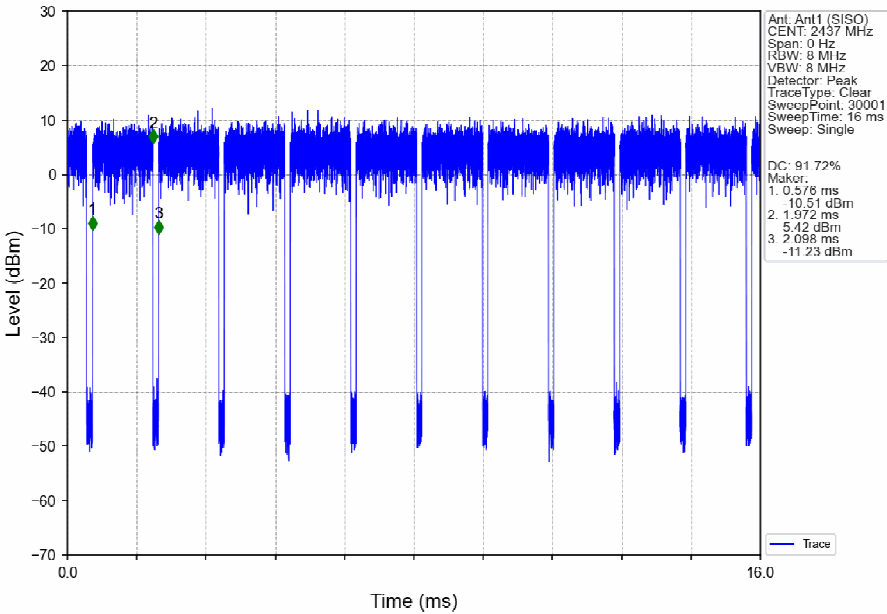
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



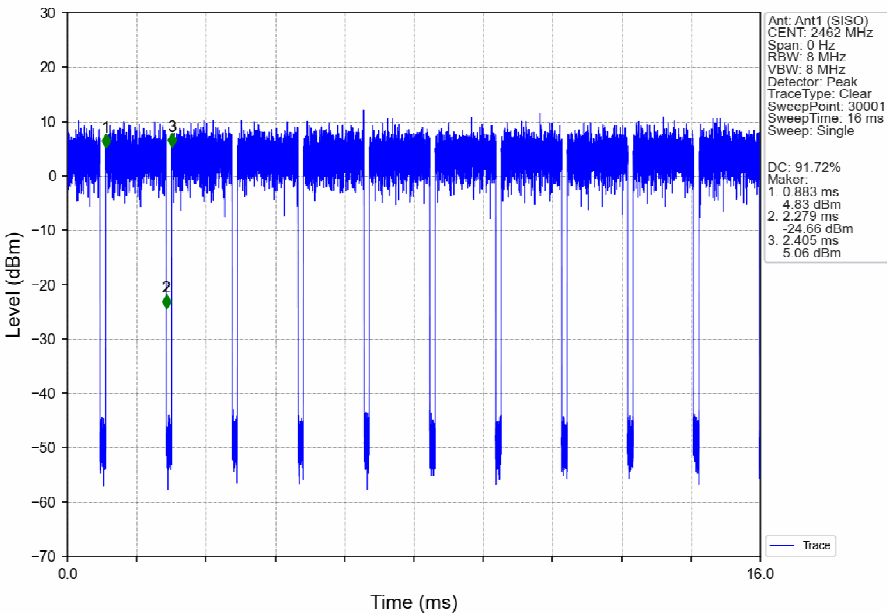
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

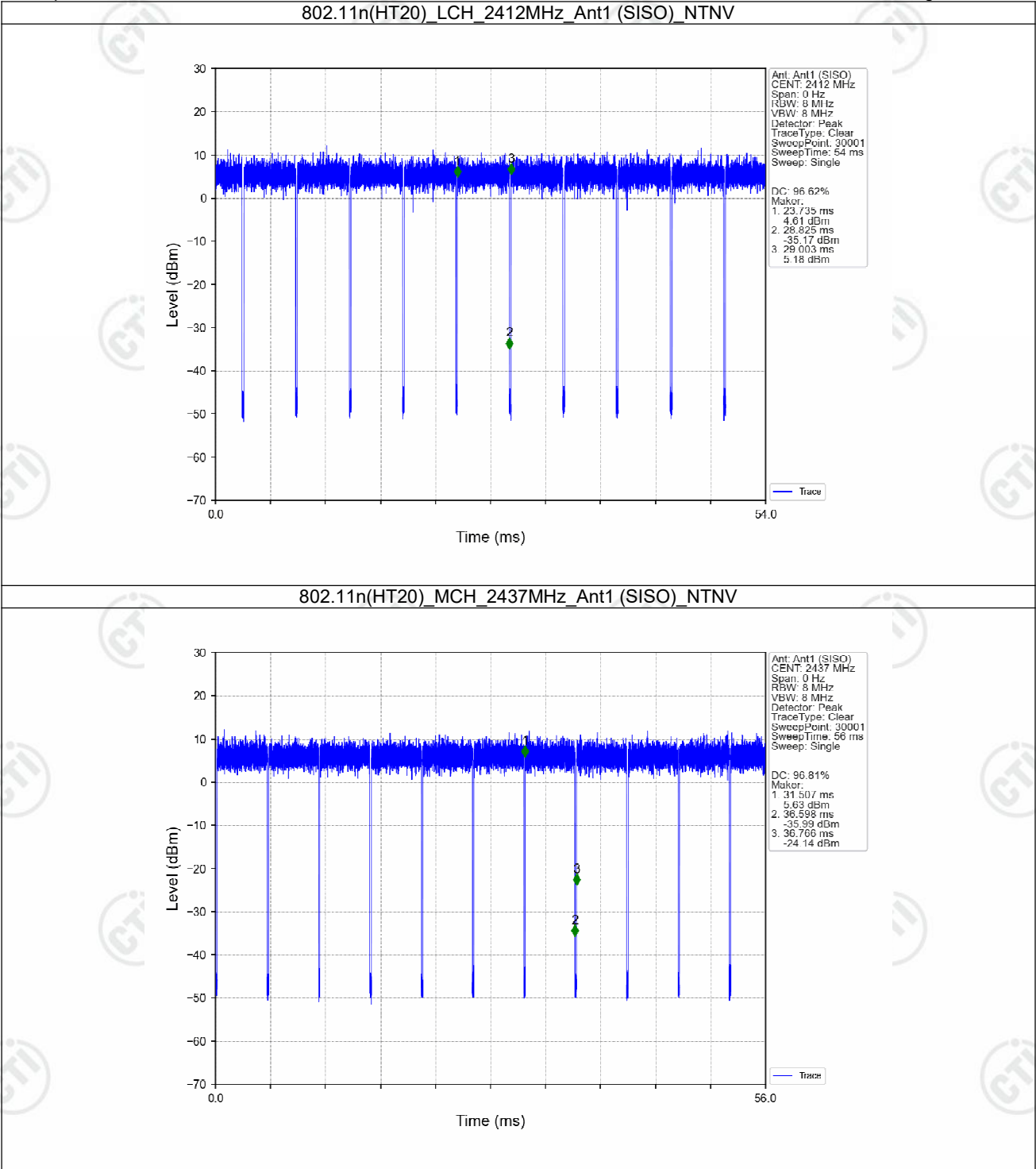


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

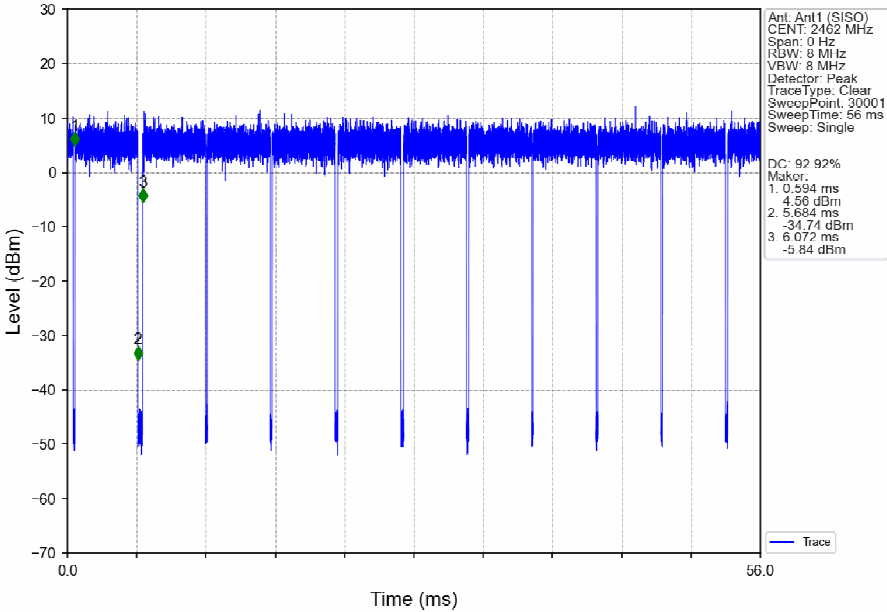


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

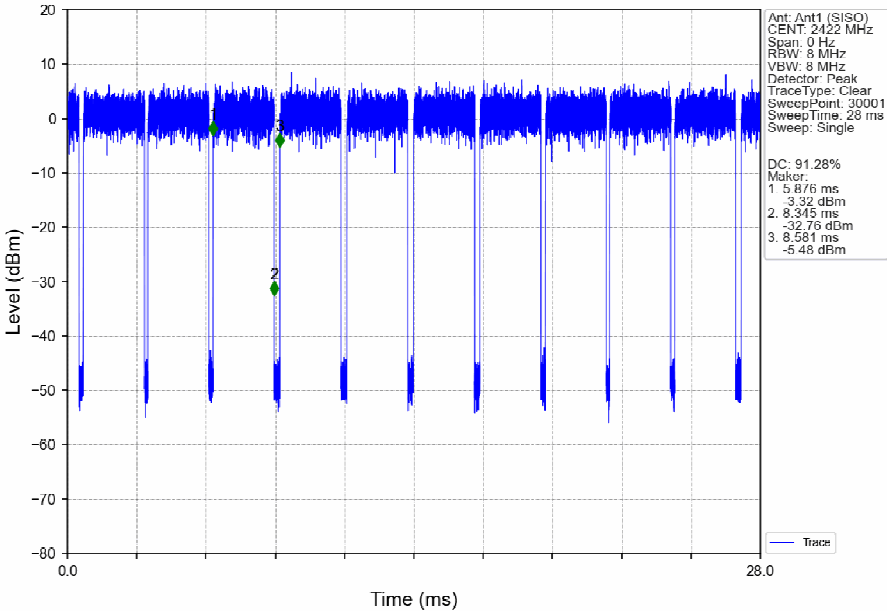




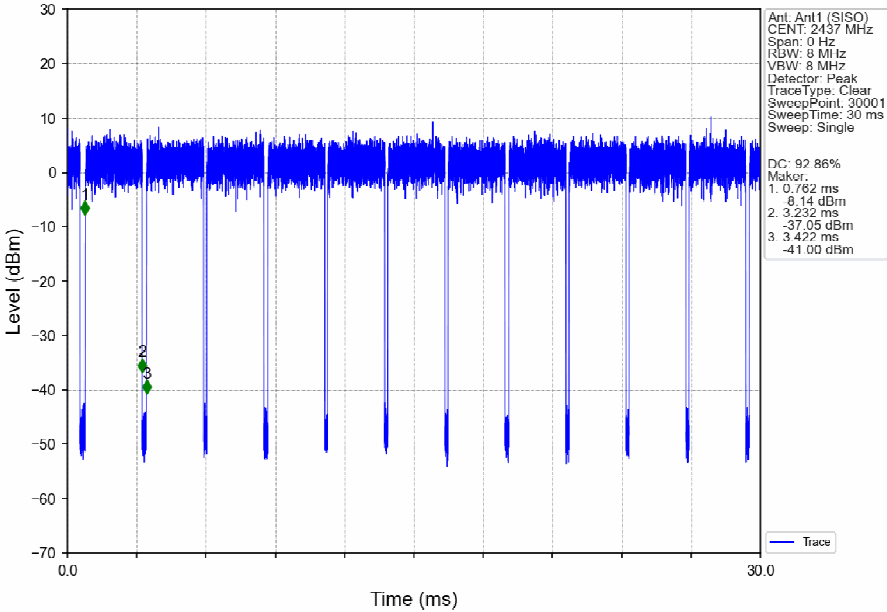
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



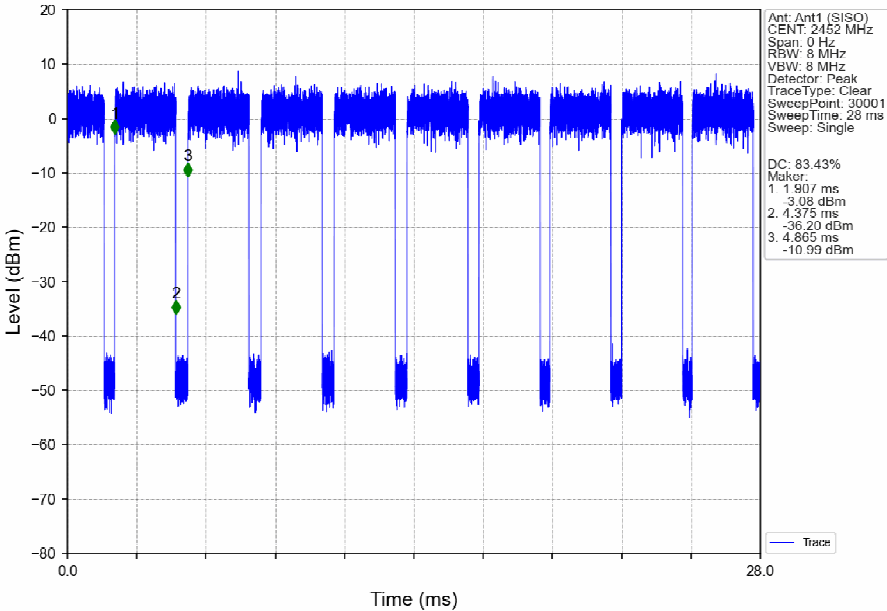
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



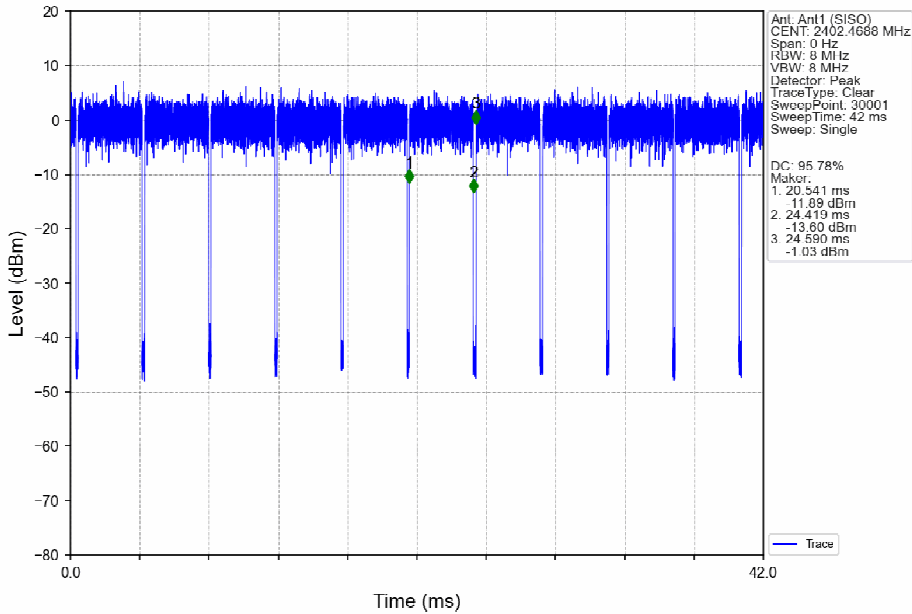
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



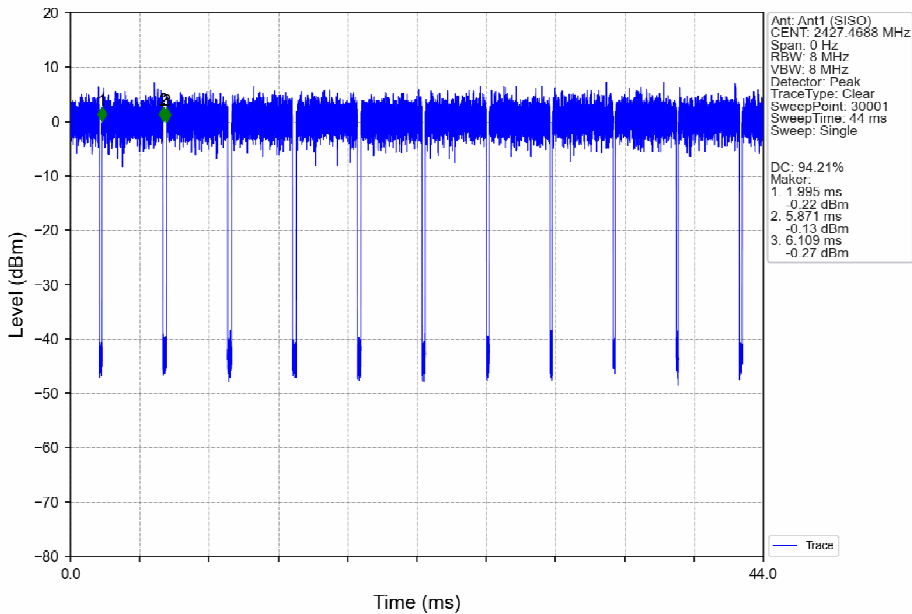
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



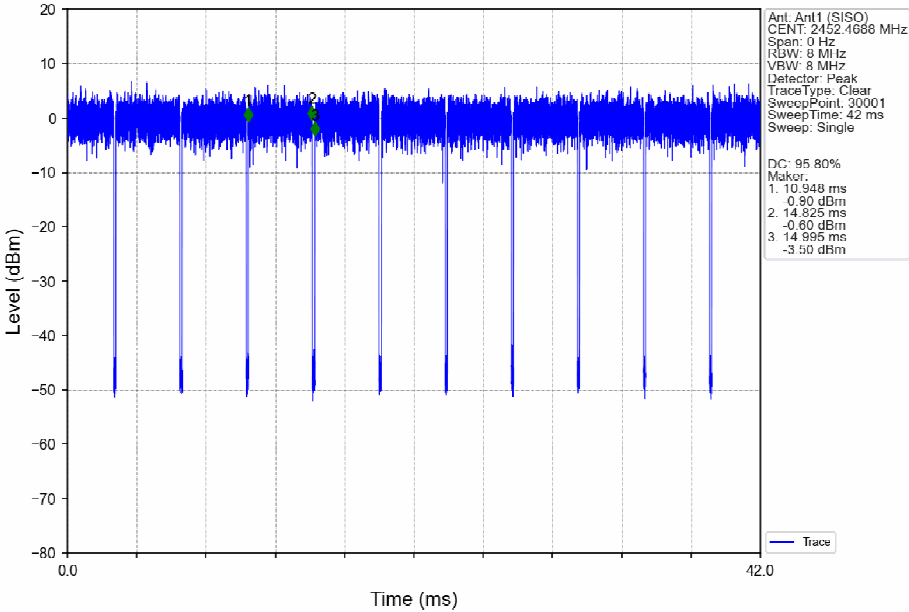
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



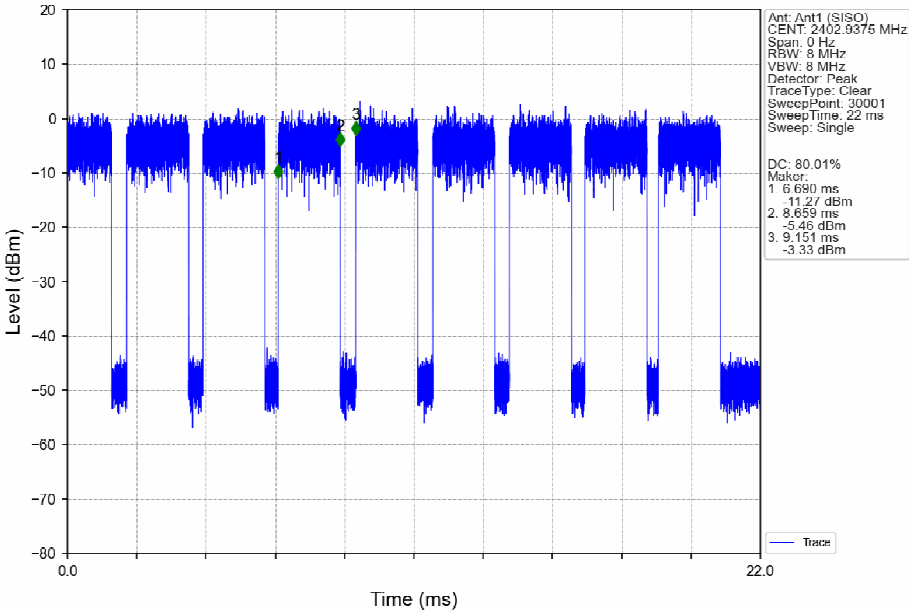
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



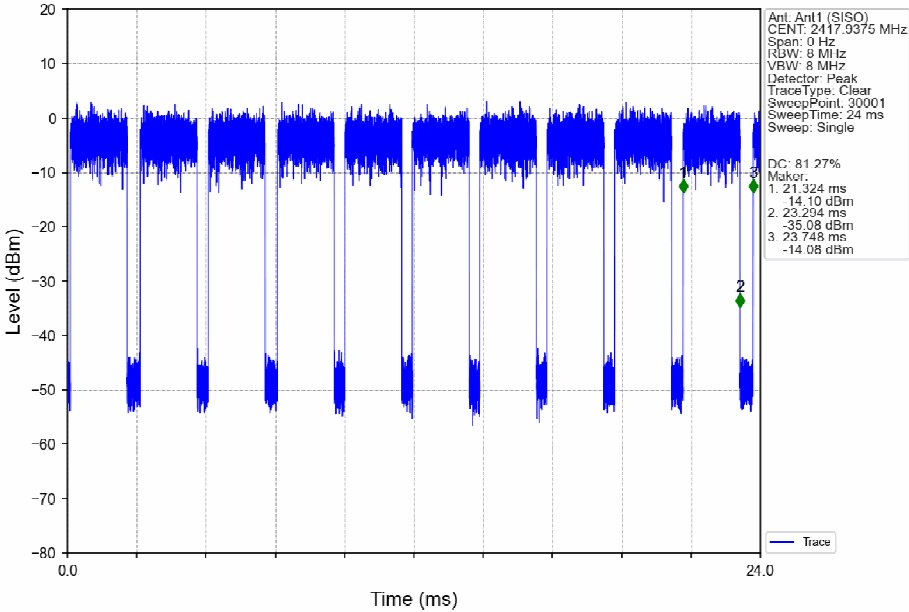
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



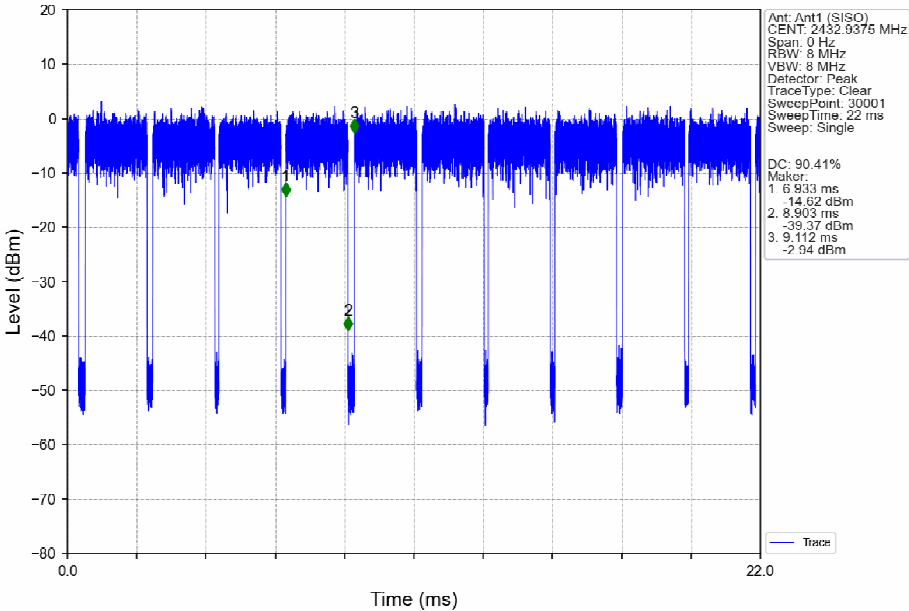
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV



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	13.044	/	Pass
		2437	/	/	1	13.033	/	Pass
		2462	/	/	1	13.033	/	Pass
802.11g	SISO	2412	/	/	1	18.417	/	Pass
		2437	/	/	1	18.431	/	Pass
		2462	/	/	1	18.463	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	19.482	/	Pass
		2437	/	/	1	19.470	/	Pass
		2462	/	/	1	19.591	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.300	/	Pass
		2437	/	/	1	37.373	/	Pass
		2452	/	/	1	37.346	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.674	/	Pass
		2437	SU	/	1	19.636	/	Pass
		2462	SU	/	1	19.683	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.447	/	Pass
		2437	SU	/	1	38.548	/	Pass
		2452	SU	/	1	38.455	/	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	9.242	≥ 0.5	Pass
		2437	/	/	1	9.243	≥ 0.5	Pass
		2462	/	/	1	9.245	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.557	≥ 0.5	Pass
		2437	/	/	1	16.555	≥ 0.5	Pass
		2462	/	/	1	16.494	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.641	≥ 0.5	Pass
		2437	/	/	1	17.581	≥ 0.5	Pass
		2462	/	/	1	17.598	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.720	≥ 0.5	Pass
		2437	/	/	1	36.310	≥ 0.5	Pass
		2452	/	/	1	36.097	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.750	≥ 0.5	Pass
		2437	SU	/	1	18.792	≥ 0.5	Pass
		2462	SU	/	1	18.755	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	36.816	≥ 0.5	Pass
		2437	SU	/	1	37.138	≥ 0.5	Pass
		2452	SU	/	1	37.286	≥ 0.5	Pass

2.2 Test Graph

2.2.1 OBW

