

Appendix: 2.4G Wi-Fi

1. Duty Cycle

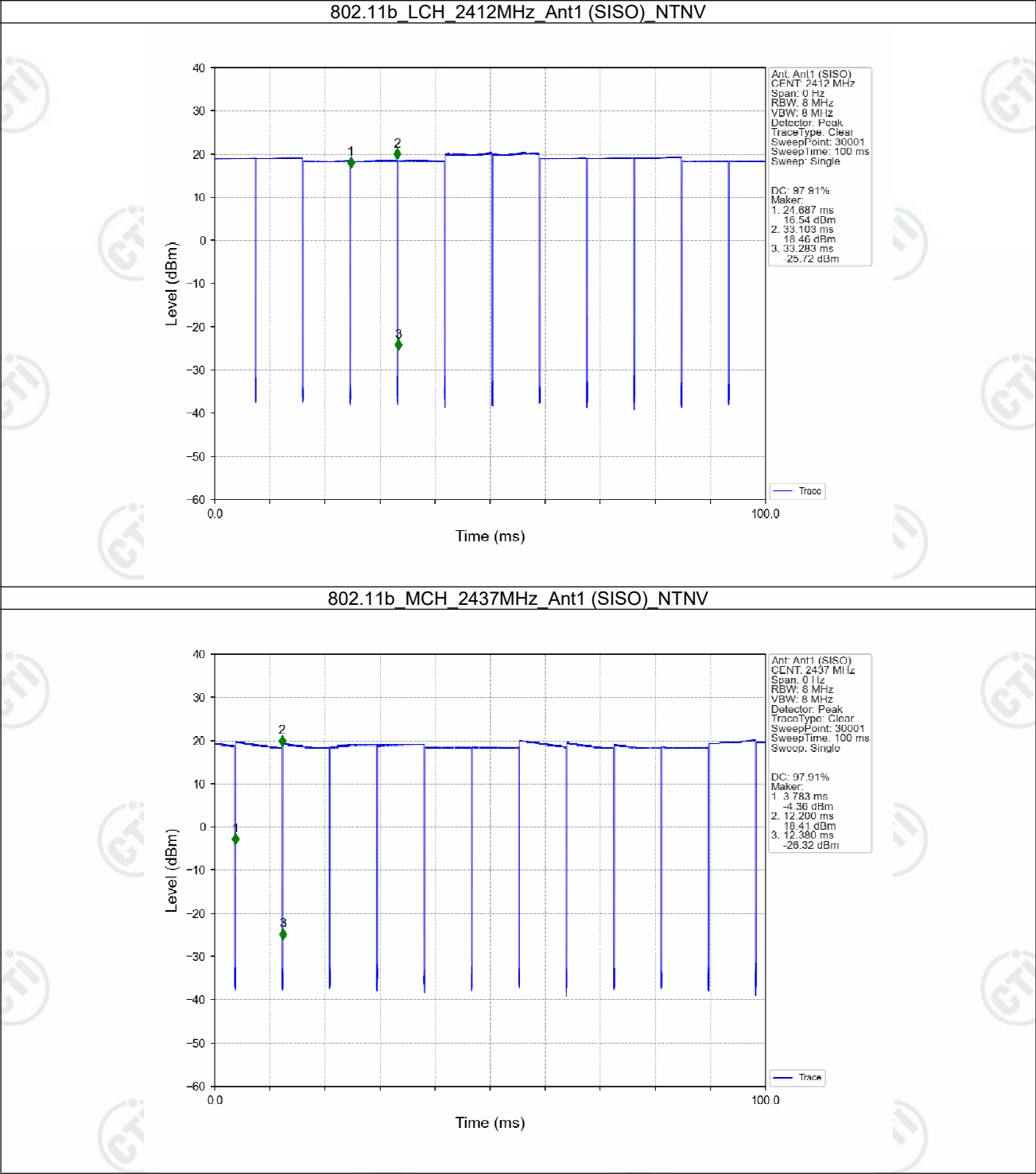
1.1 Test Result

1.1.1 Ant1

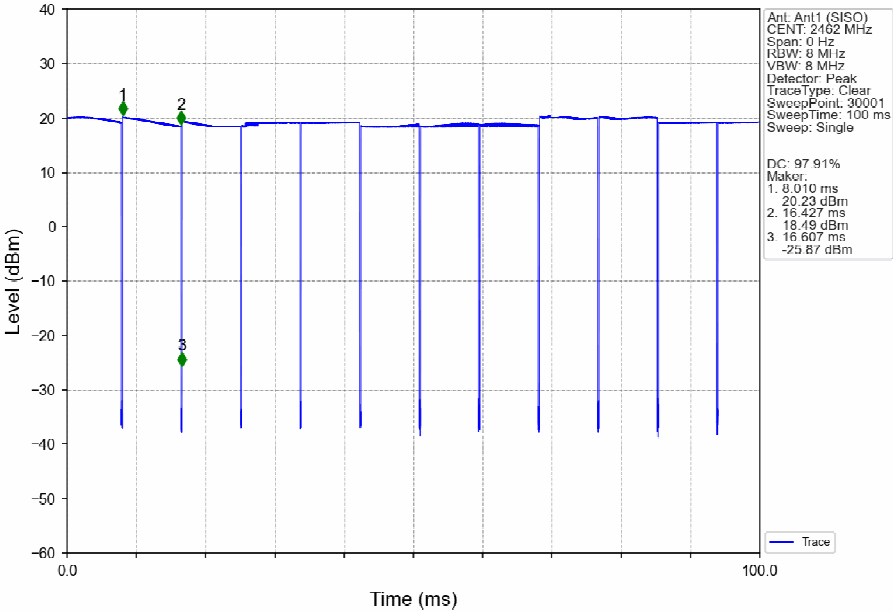
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.416	8.596	97.91	0.09	0.04
		2437	/	/	8.417	8.597	97.91	0.09	0.04
		2462	/	/	8.417	8.597	97.91	0.09	0.04
802.11g	SISO	2412	/	/	1.397	1.582	88.31	0.54	0.03
		2437	/	/	1.397	1.582	88.31	0.54	0.03
		2462	/	/	1.396	1.582	88.24	0.54	0.03
802.11n (HT20)	SISO	2412	/	/	5.088	5.446	93.43	0.30	0.04
		2437	/	/	5.088	5.444	93.46	0.29	0.00
		2462	/	/	5.088	5.446	93.43	0.30	0.04
802.11n (HT40)	SISO	2422	/	/	2.468	2.824	87.39	0.59	0.00
		2437	/	/	2.468	2.825	87.36	0.59	0.04
		2452	/	/	2.468	2.833	87.12	0.60	0.28
802.11ax (HEW20)	SISO	2412	SU	/	3.873	4.231	91.54	0.38	0.03
		2437	SU	/	3.873	4.231	91.54	0.38	0.03
		2462	SU	/	3.875	4.230	91.61	0.38	0.00
802.11ax (HEW40)	SISO	2422	SU	/	1.966	2.585	76.05	1.19	8.60
		2437	SU	/	1.966	2.322	84.67	0.72	0.00
		2452	SU	/	1.967	2.327	84.53	0.73	0.16

1.2 Test Graph

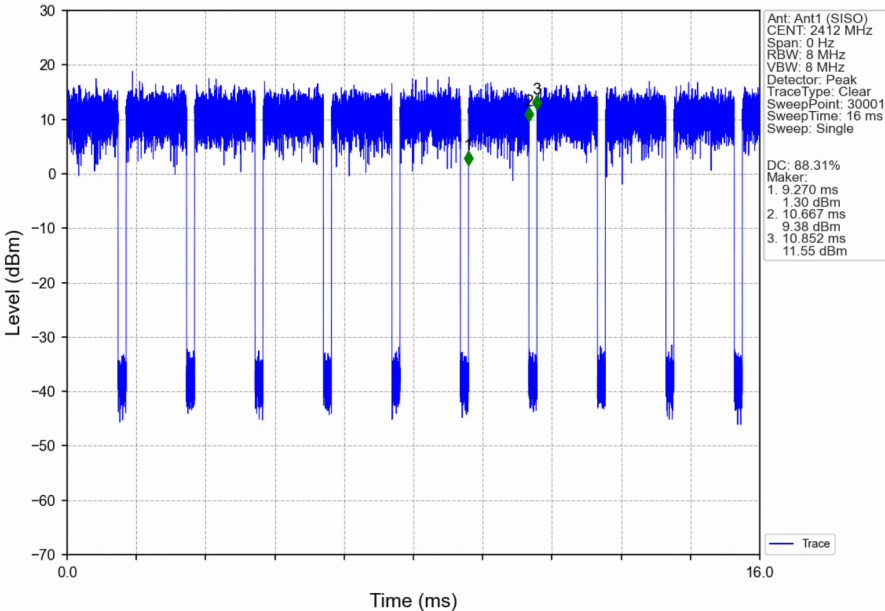
1.2.1 Ant1



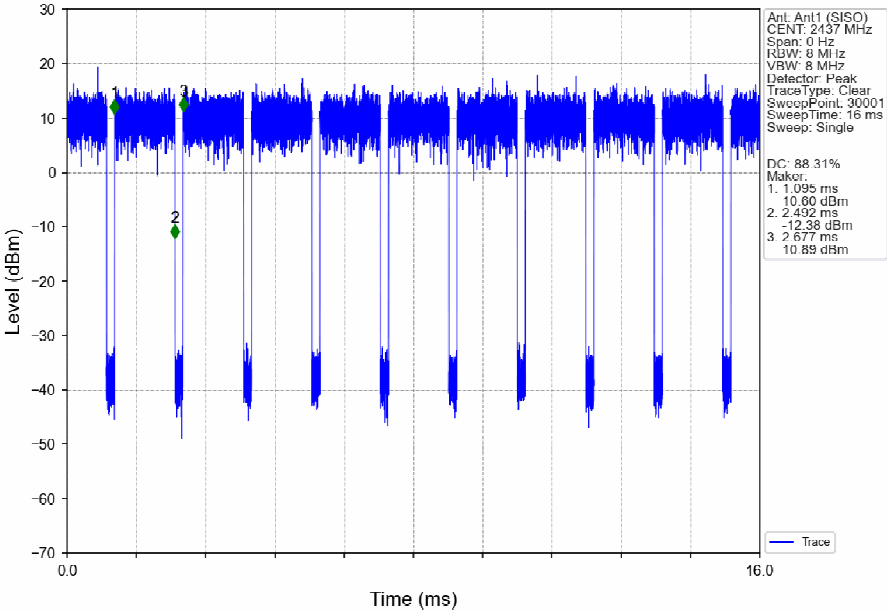
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



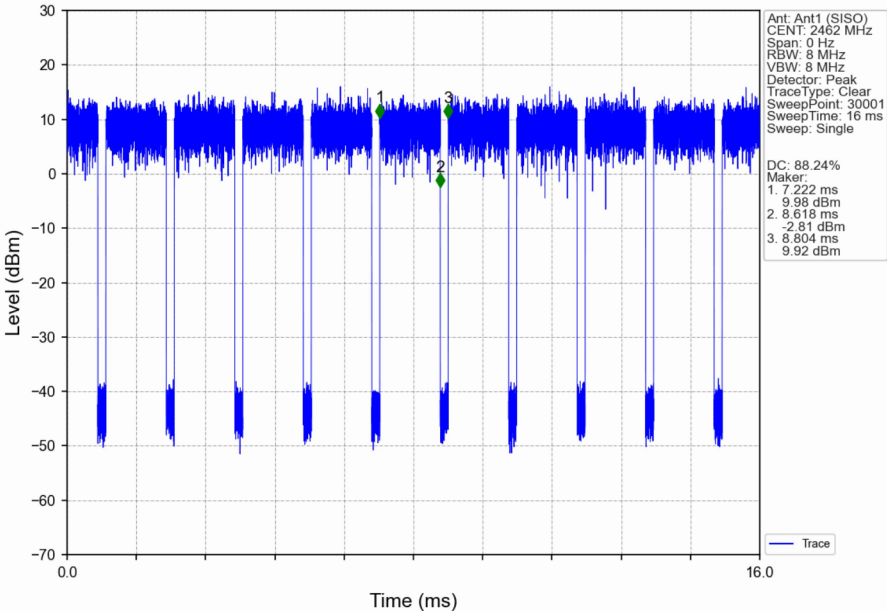
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



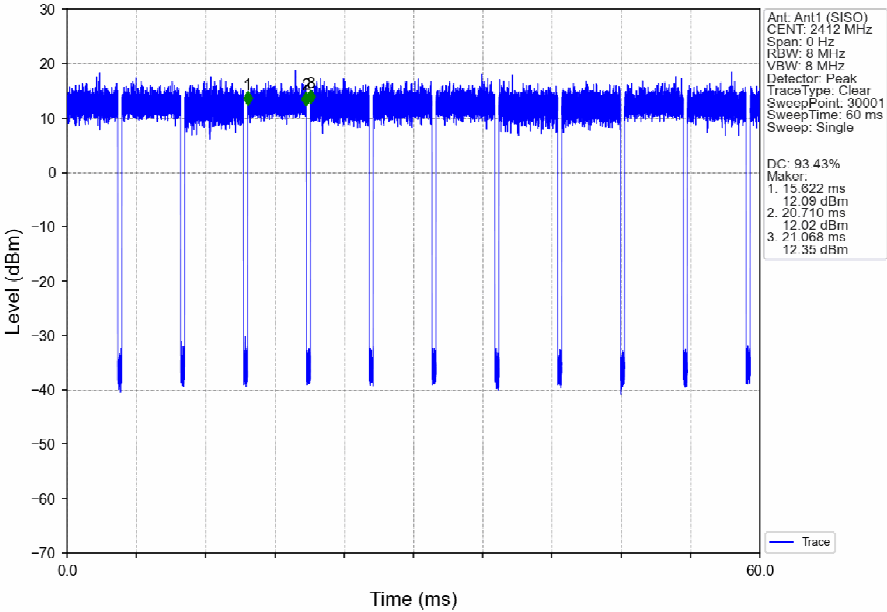
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



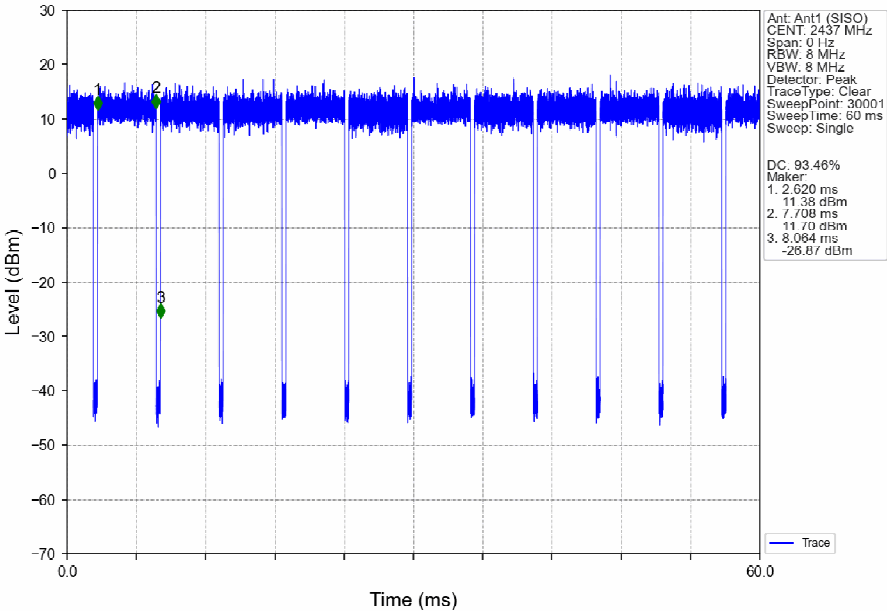
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



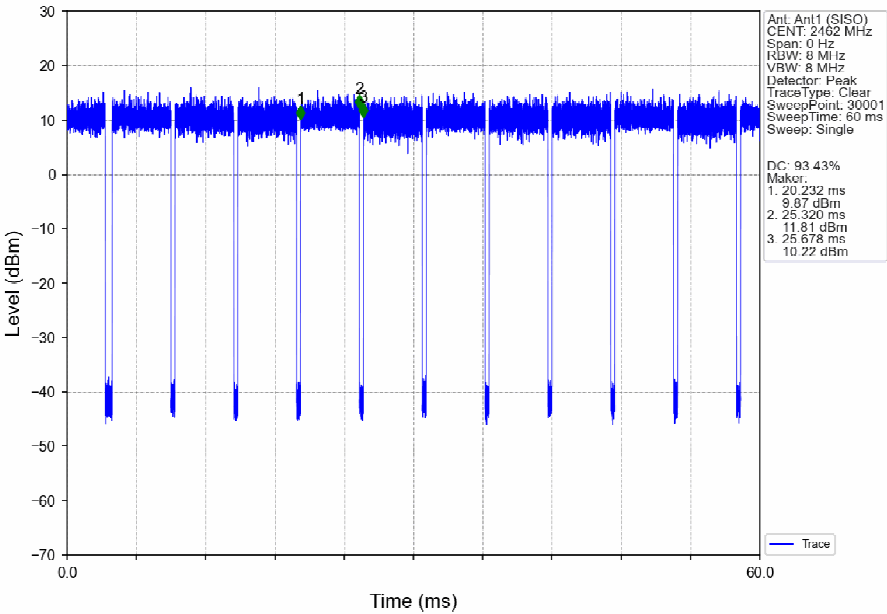
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



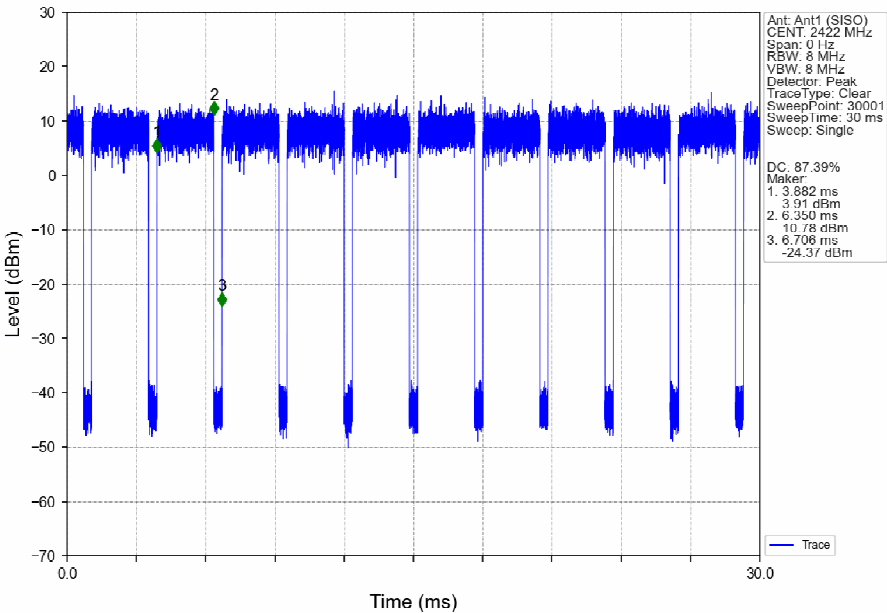
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

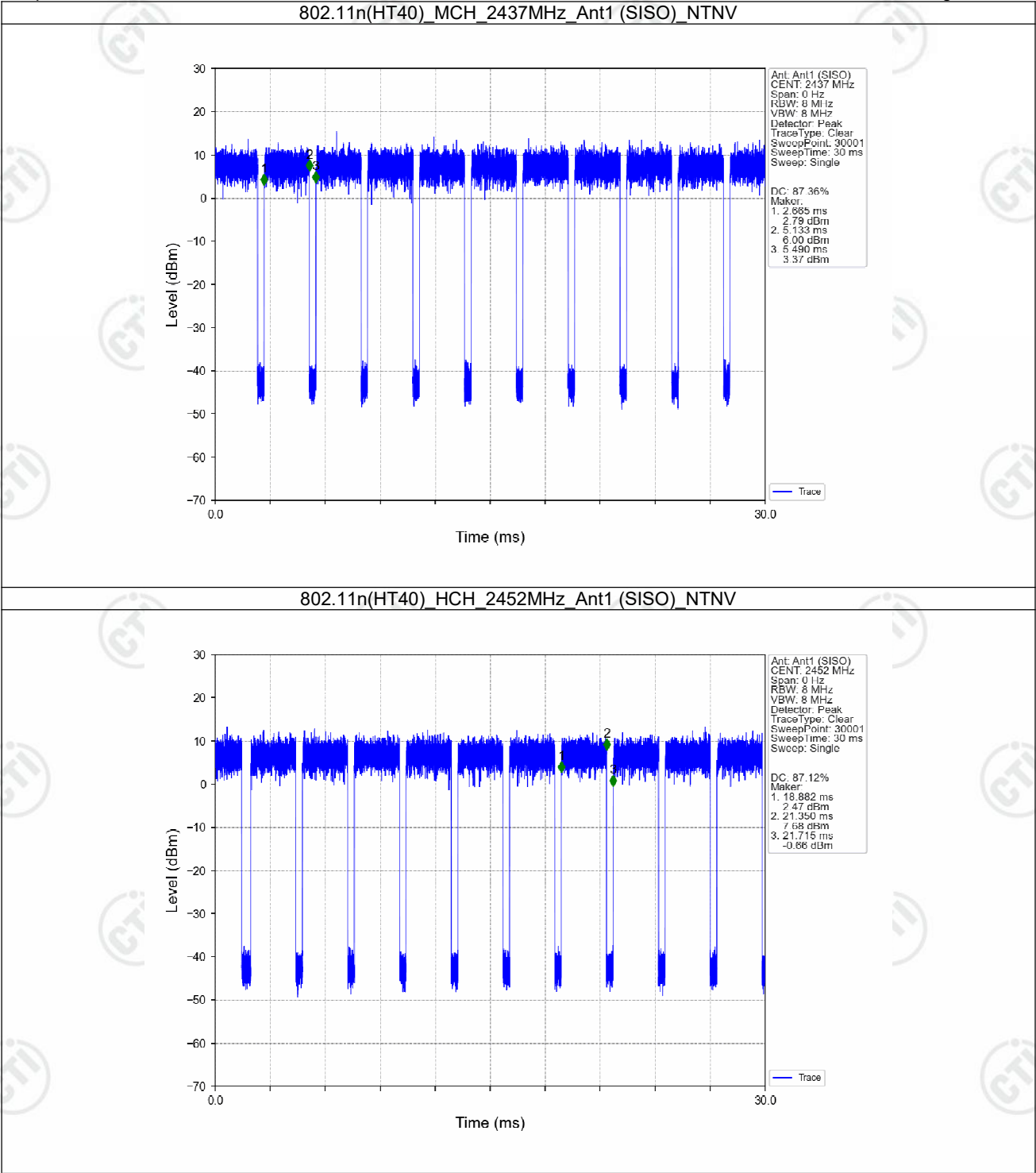


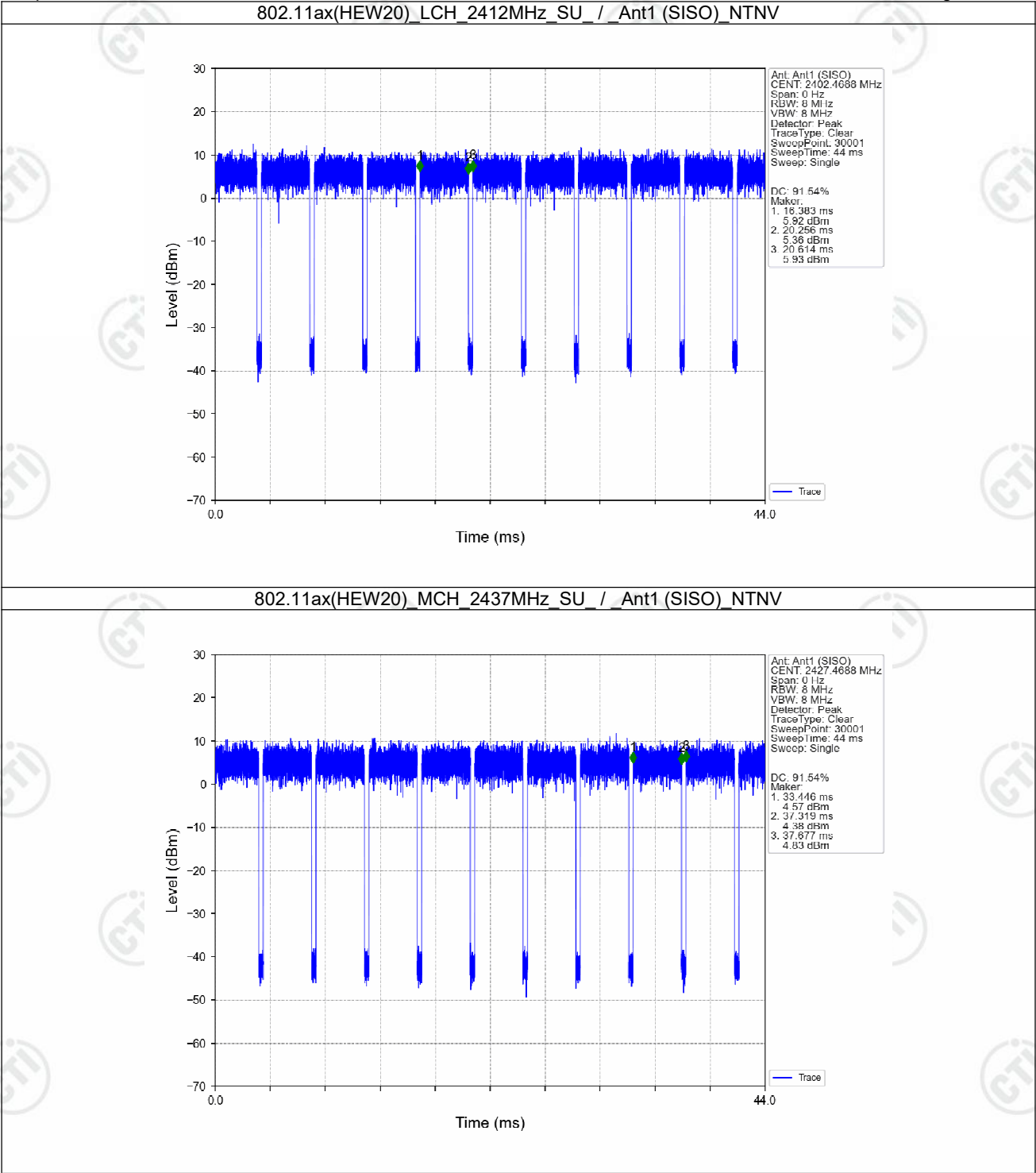
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



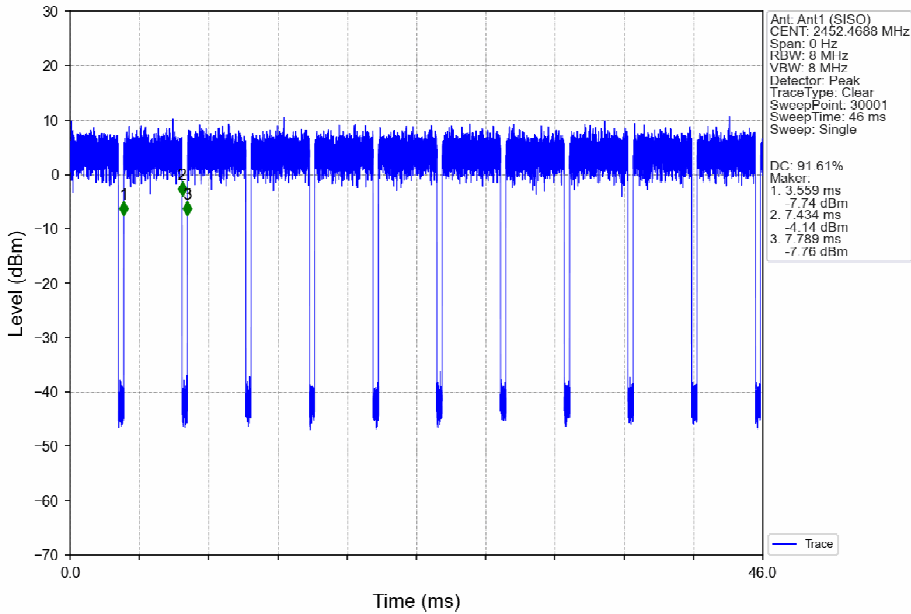
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



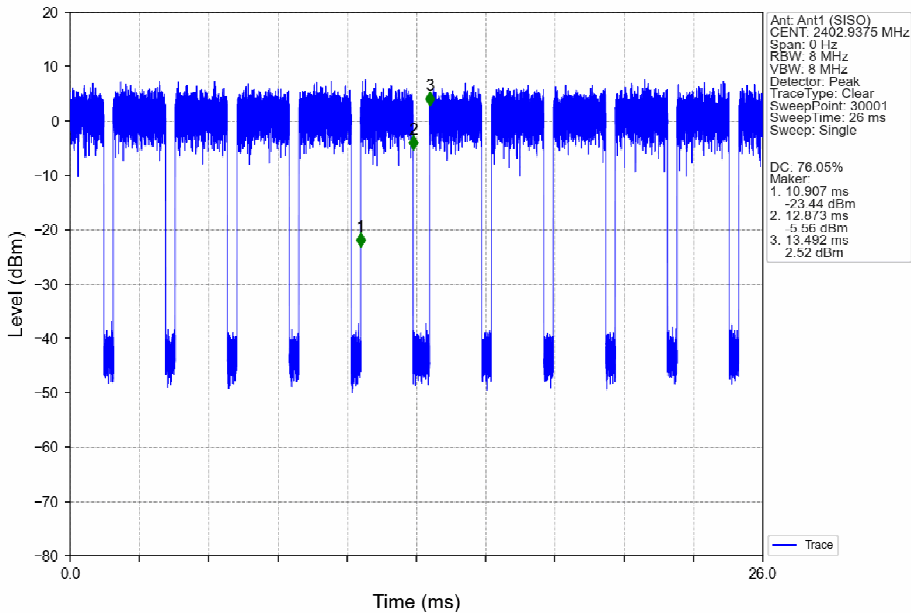




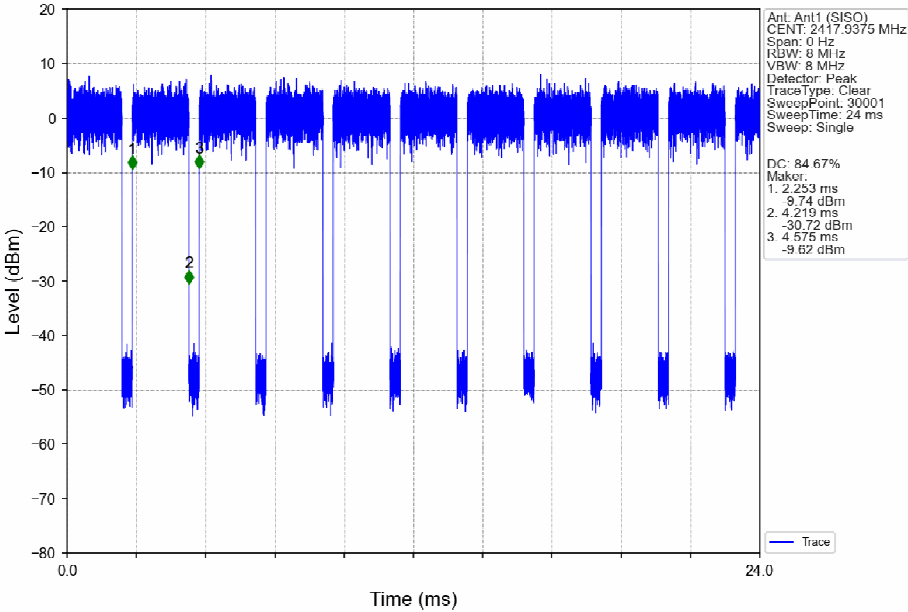
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



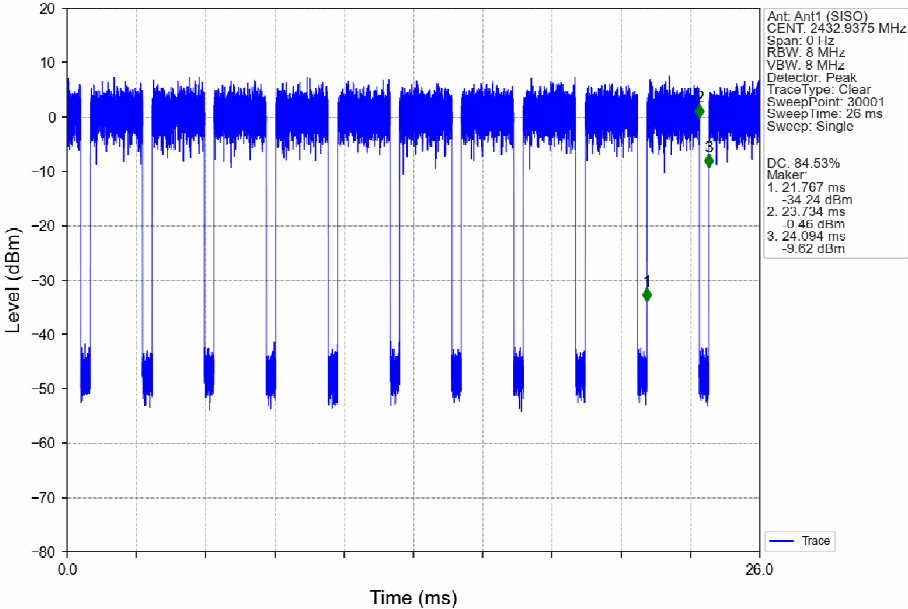
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW40) MCH_2437MHz_SU_/_Ant1 (SISO) NTN



802.11ax(HEW40) HCH_2452MHz_SU_/_Ant1 (SISO) NTN



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	14.291	/	Pass
		2437	/	/	1	14.306	/	Pass
		2462	/	/	1	14.375	/	Pass
802.11g	SISO	2412	/	/	1	16.652	/	Pass
		2437	/	/	1	16.660	/	Pass
		2462	/	/	1	16.651	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.806	/	Pass
		2437	/	/	1	17.882	/	Pass
		2462	/	/	1	17.825	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.768	/	Pass
		2437	/	/	1	37.893	/	Pass
		2452	/	/	1	37.904	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.052	/	Pass
		2437	SU	/	1	19.044	/	Pass
		2462	SU	/	1	19.051	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.434	/	Pass
		2437	SU	/	1	38.418	/	Pass
		2452	SU	/	1	38.347	/	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	10.120	≥ 0.5	Pass
		2437	/	/	1	10.118	≥ 0.5	Pass
		2462	/	/	1	10.121	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.094	≥ 0.5	Pass
		2437	/	/	1	16.121	≥ 0.5	Pass
		2462	/	/	1	16.185	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.265	≥ 0.5	Pass
		2437	/	/	1	17.437	≥ 0.5	Pass
		2462	/	/	1	17.324	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.053	≥ 0.5	Pass
		2437	/	/	1	36.052	≥ 0.5	Pass
		2452	/	/	1	36.283	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.644	≥ 0.5	Pass
		2437	SU	/	1	17.958	≥ 0.5	Pass
		2462	SU	/	1	16.556	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	36.619	≥ 0.5	Pass
		2437	SU	/	1	36.019	≥ 0.5	Pass
		2452	SU	/	1	37.119	≥ 0.5	Pass

2.2 Test Graph

2.2.1 OBW

