

Appendix: 2.4G Wi-Fi

1. Duty Cycle

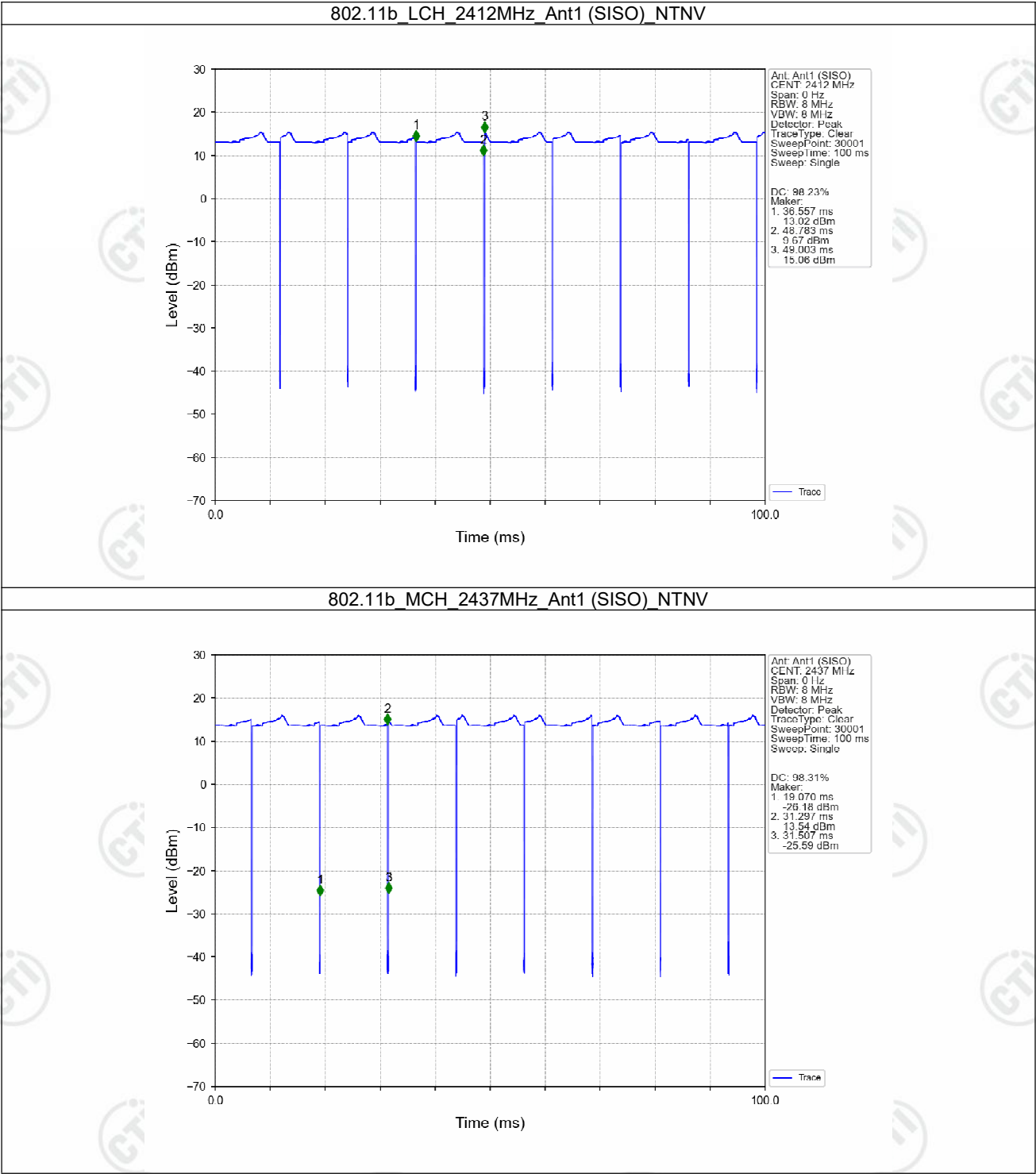
1.1 Test Result

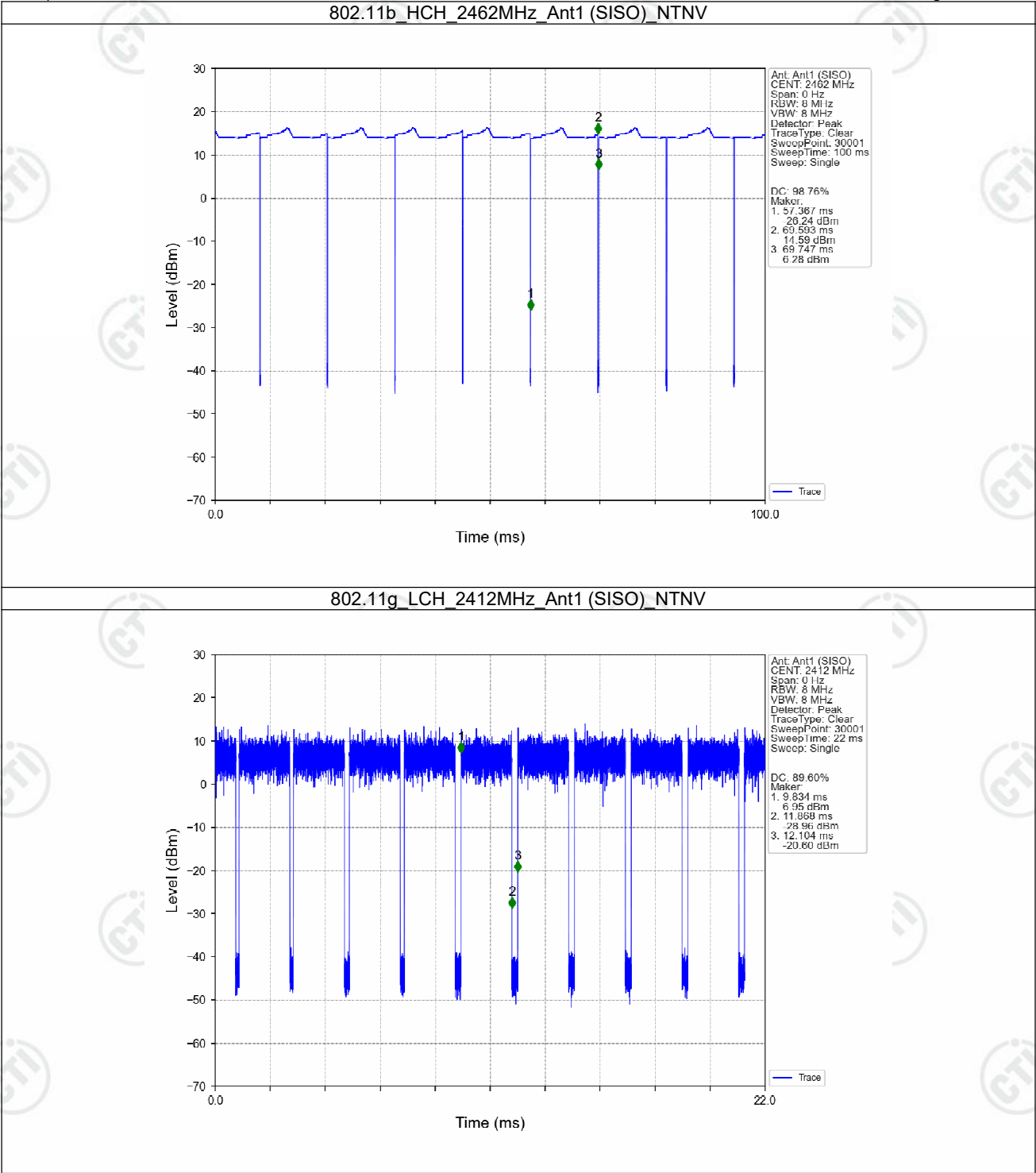
1.1.1 Ant1

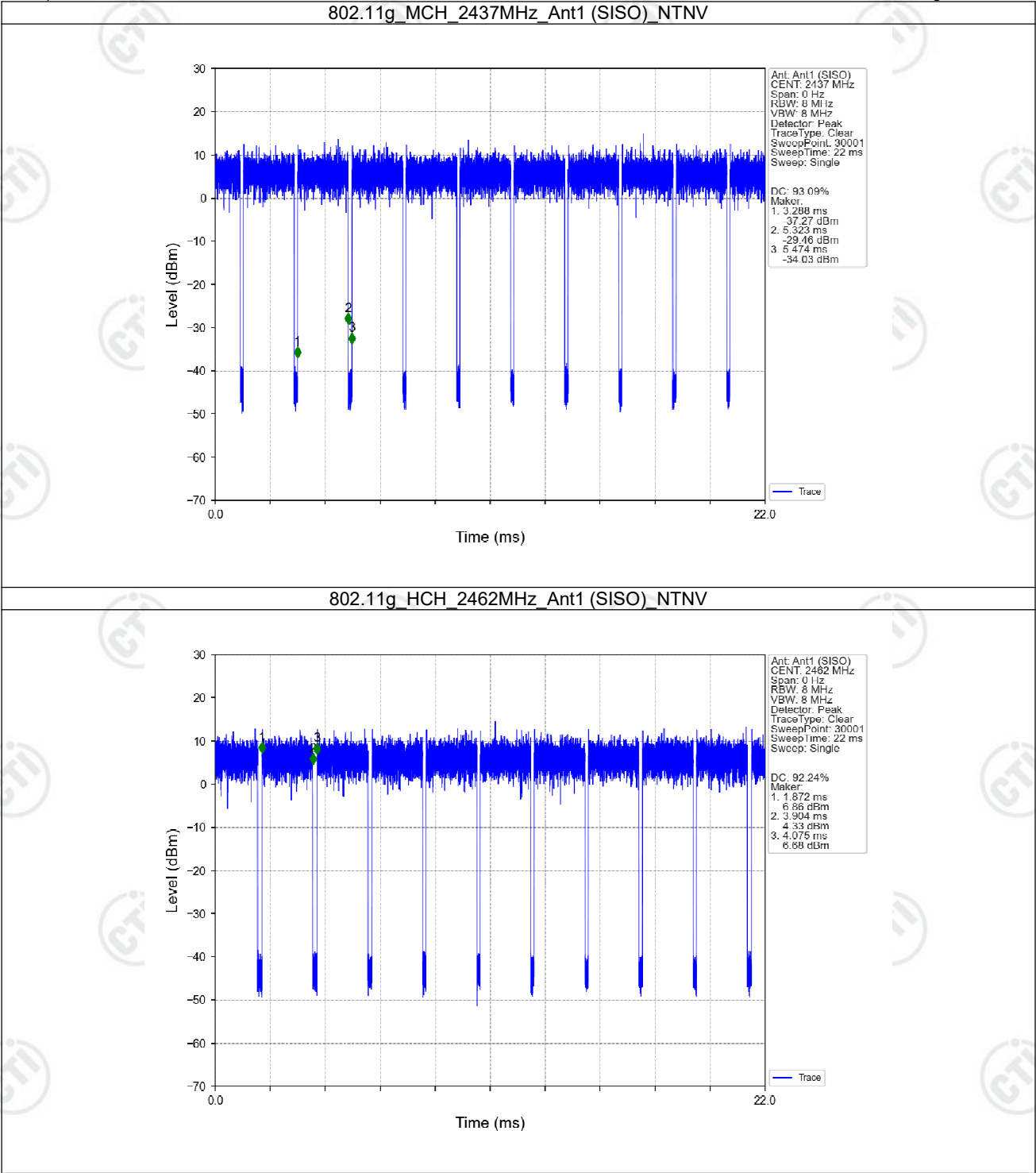
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	12.226	12.446	98.23	0.08	0.88
		2437	/	/	12.227	12.437	98.31	0.07	0.64
		2462	/	/	12.226	12.380	98.76	0.05	0.72
802.11g	SISO	2412	/	/	2.034	2.270	89.60	0.48	3.71
		2437	/	/	2.035	2.186	93.09	0.31	1.20
		2462	/	/	2.032	2.203	92.24	0.35	1.95
802.11n (HT20)	SISO	2412	/	/	1.892	2.104	89.92	0.46	3.63
		2437	/	/	1.893	2.122	89.21	0.50	4.37
		2462	/	/	1.892	2.112	89.58	0.48	3.97
802.11n (HT40)	SISO	2422	/	/	0.934	1.161	80.45	0.94	7.51
		2437	/	/	0.934	1.161	80.45	0.94	7.51
		2452	/	/	0.933	1.151	81.06	0.91	5.42
802.11ax (HEW20)	SISO	2412	SU	/	1.462	1.682	86.92	0.61	4.92
		2437	SU	/	1.462	1.655	88.34	0.54	3.50
		2462	SU	/	1.462	1.633	89.53	0.48	2.53
802.11ax (HEW40)	SISO	2422	SU	/	0.763	1.000	76.30	1.17	9.24
		2437	SU	/	0.763	0.991	76.99	1.14	8.52
		2452	SU	/	0.762	1.000	76.20	1.18	7.58

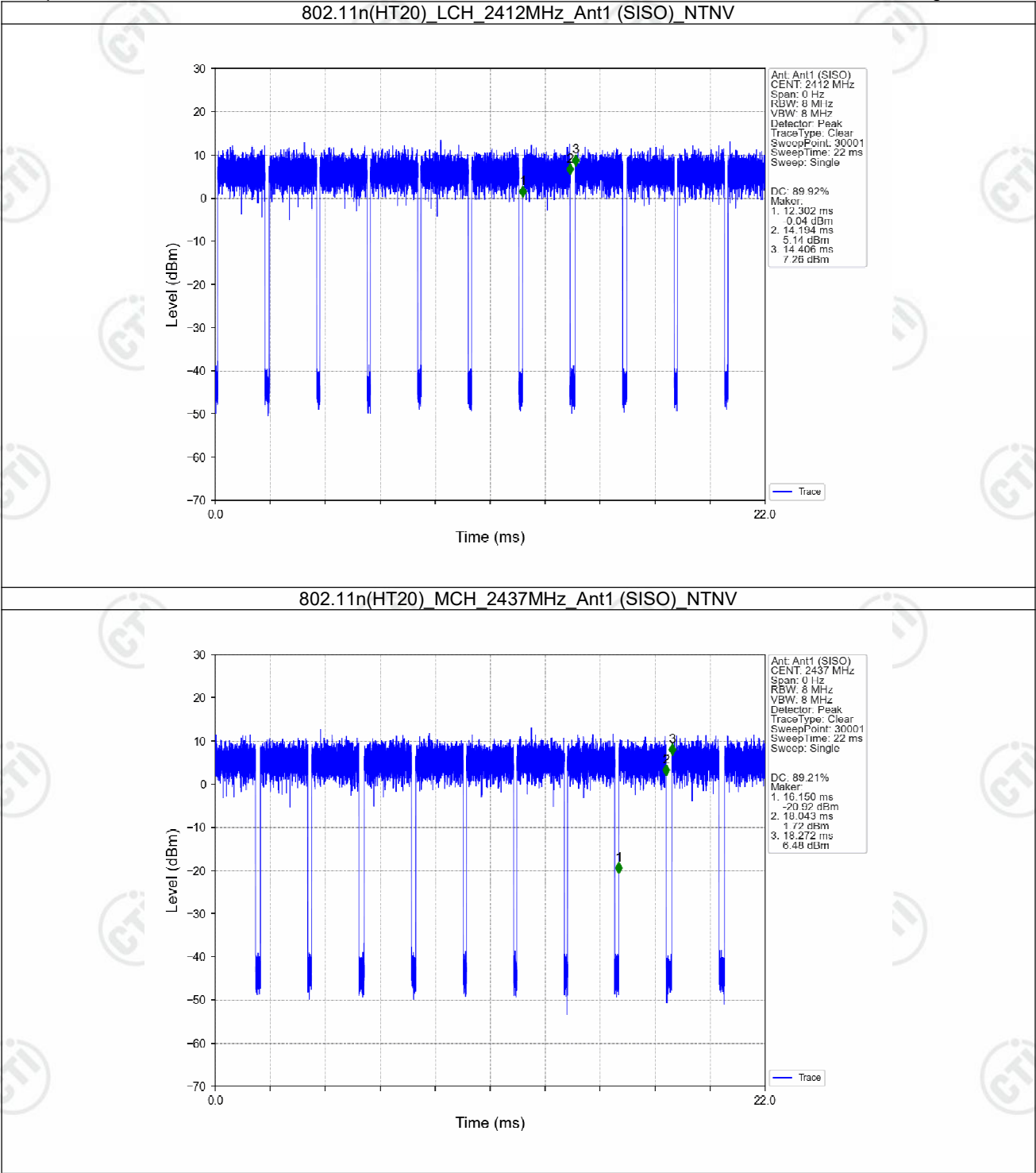
1.2 Test Graph

1.2.1 Ant1

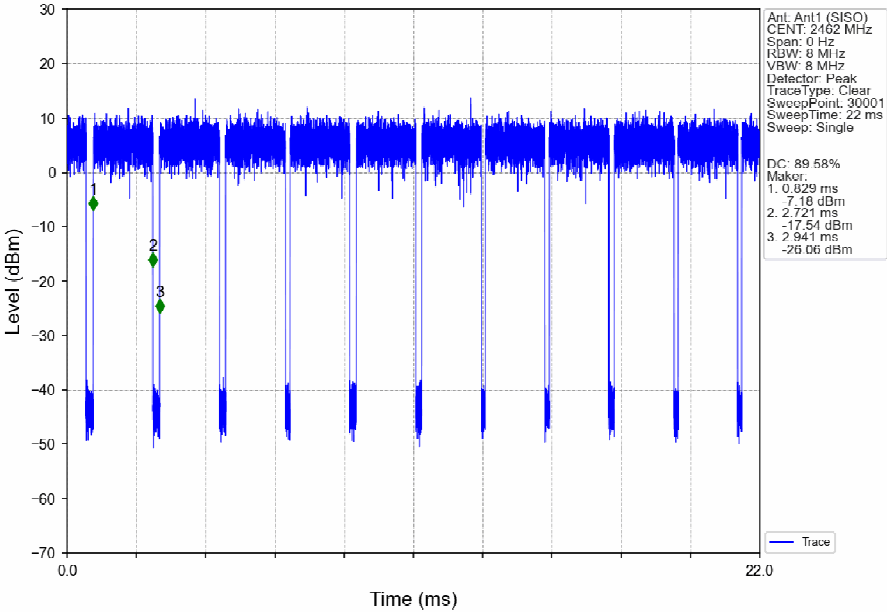




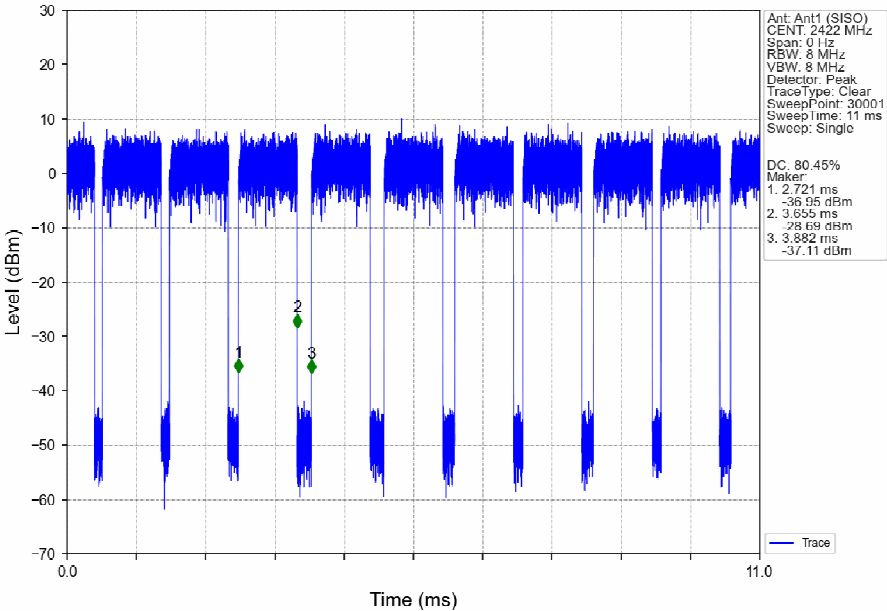


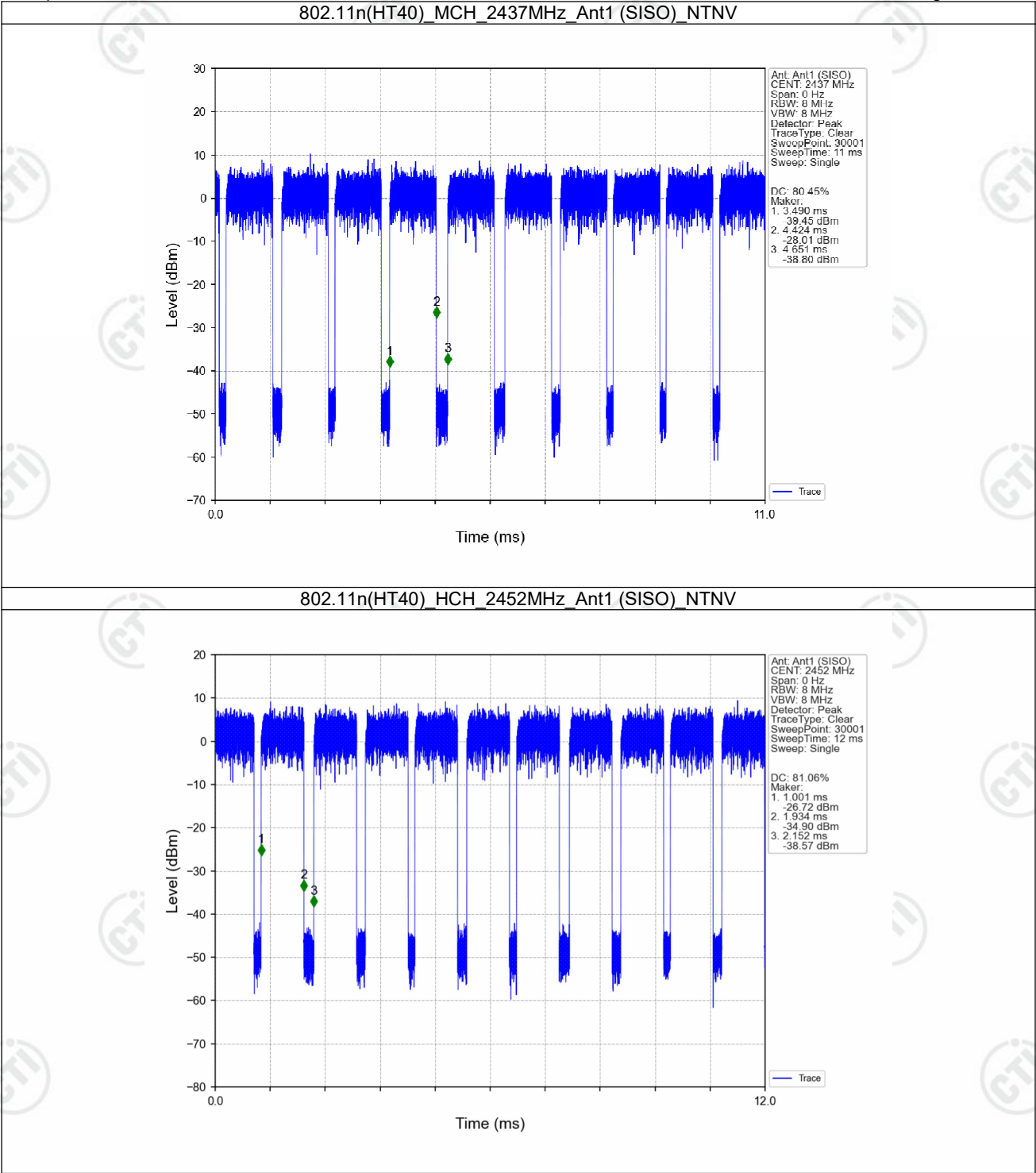


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

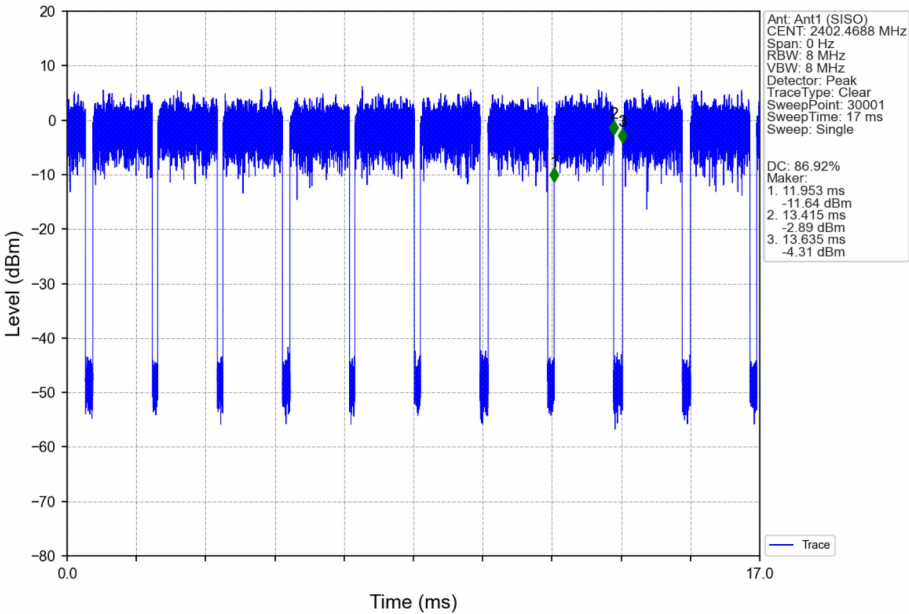


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

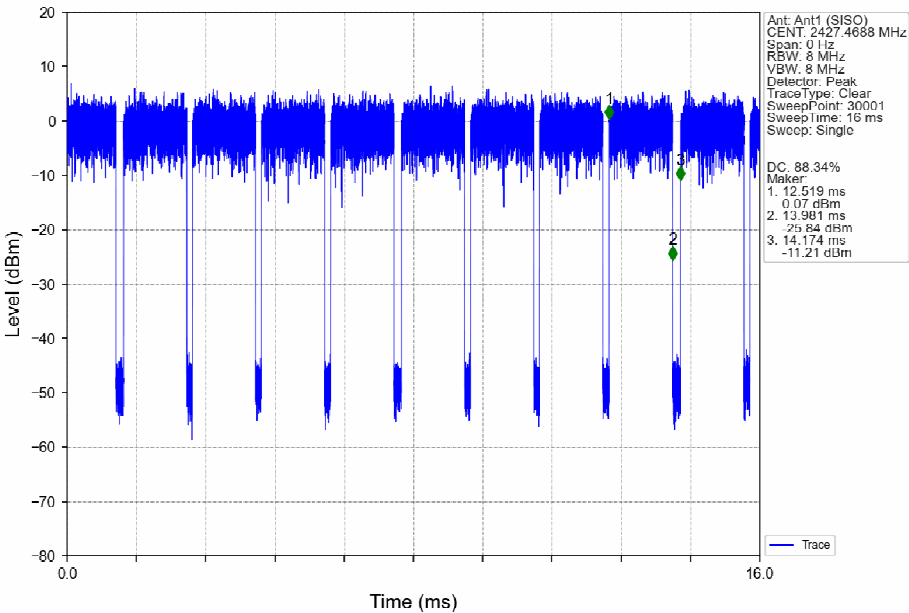




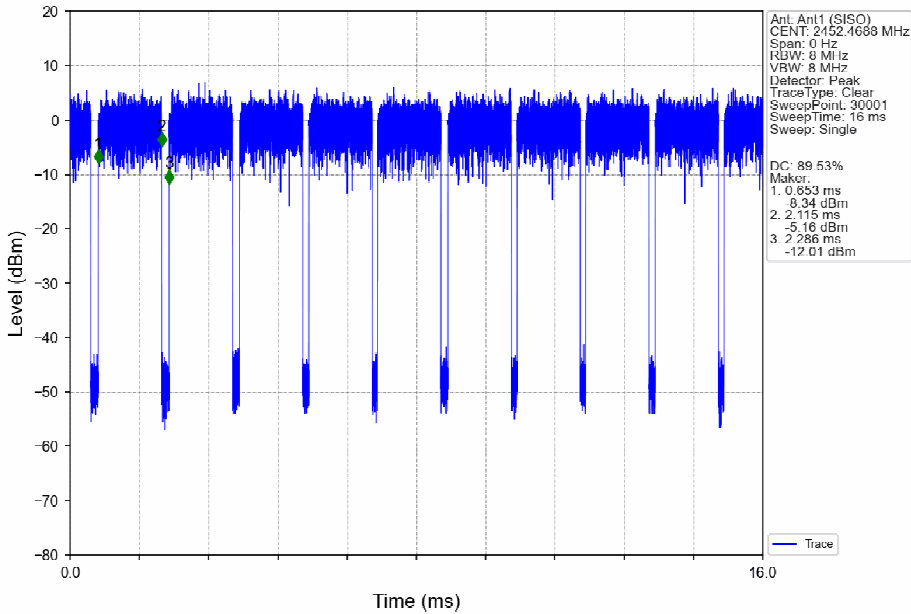
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO) _NTNV



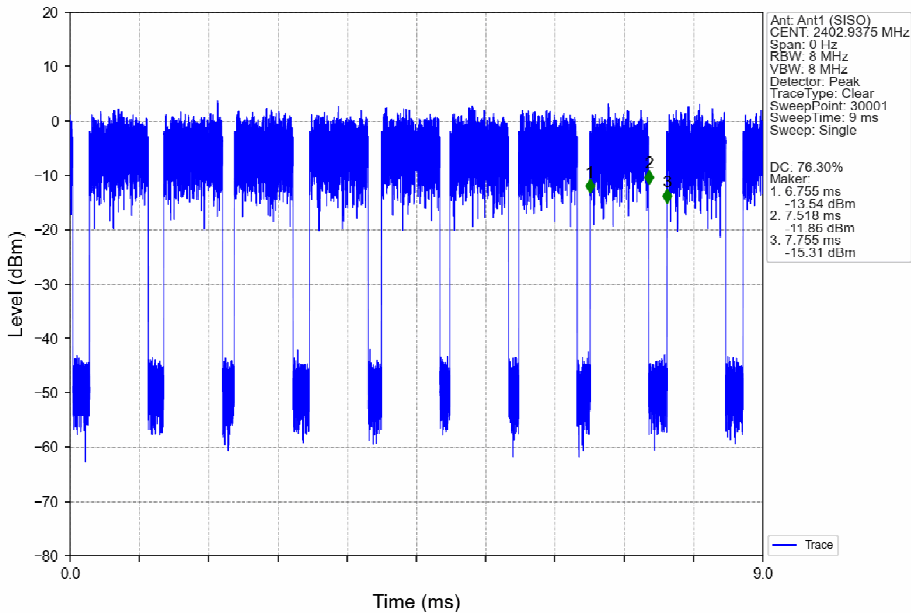
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO) _NTNV



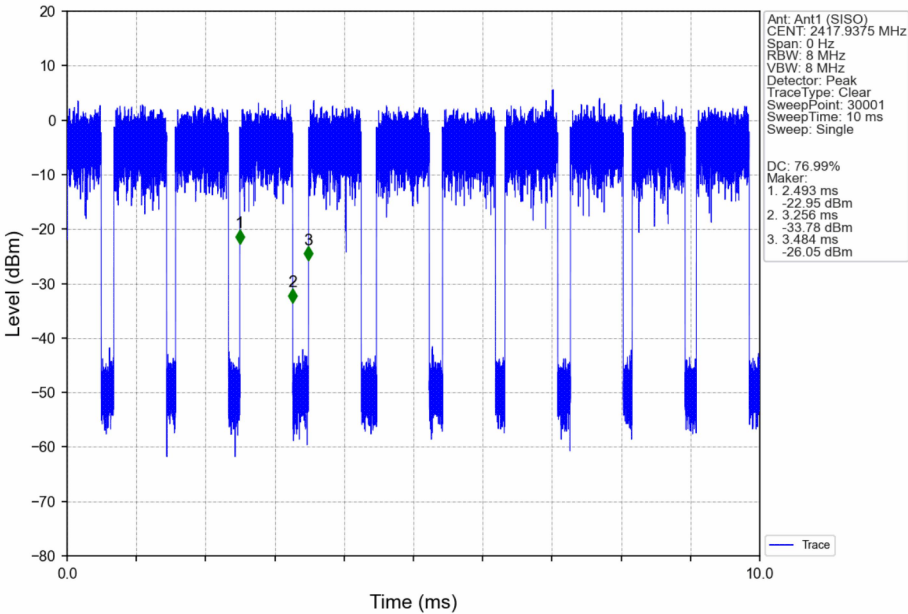
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



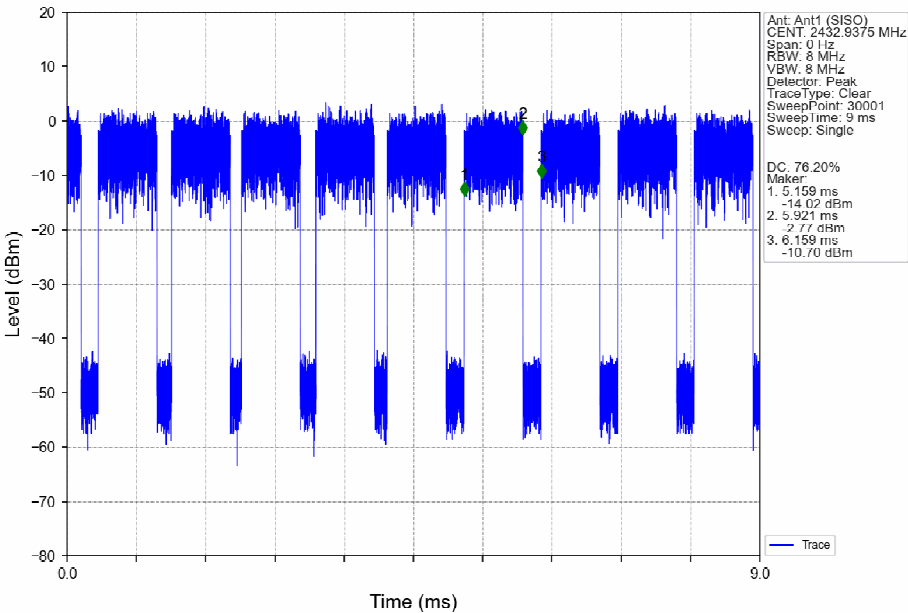
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (SISO)_NTNV



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	14.780	/	Pass
		2437	/	/	1	14.820	/	Pass
		2462	/	/	1	14.812	/	Pass
802.11g	SISO	2412	/	/	1	16.722	/	Pass
		2437	/	/	1	16.776	/	Pass
		2462	/	/	1	16.746	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.858	/	Pass
		2437	/	/	1	17.862	/	Pass
		2462	/	/	1	17.868	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.155	/	Pass
		2437	/	/	1	37.195	/	Pass
		2452	/	/	1	37.190	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.149	/	Pass
		2437	SU	/	1	19.103	/	Pass
		2462	SU	/	1	19.080	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.205	/	Pass
		2437	SU	/	1	38.378	/	Pass
		2452	SU	/	1	38.408	/	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	10.114	≥ 0.5	Pass
		2437	/	/	1	10.123	≥ 0.5	Pass
		2462	/	/	1	10.121	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.372	≥ 0.5	Pass
		2437	/	/	1	16.313	≥ 0.5	Pass
		2462	/	/	1	16.362	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.532	≥ 0.5	Pass
		2437	/	/	1	17.561	≥ 0.5	Pass
		2462	/	/	1	17.561	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.135	≥ 0.5	Pass
		2437	/	/	1	36.230	≥ 0.5	Pass
		2452	/	/	1	36.259	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.970	≥ 0.5	Pass
		2437	SU	/	1	18.981	≥ 0.5	Pass
		2462	SU	/	1	19.014	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.614	≥ 0.5	Pass
		2437	SU	/	1	36.925	≥ 0.5	Pass
		2452	SU	/	1	36.868	≥ 0.5	Pass