

Appendix RF test data for WIFI2.4G

1. Duty Cycle

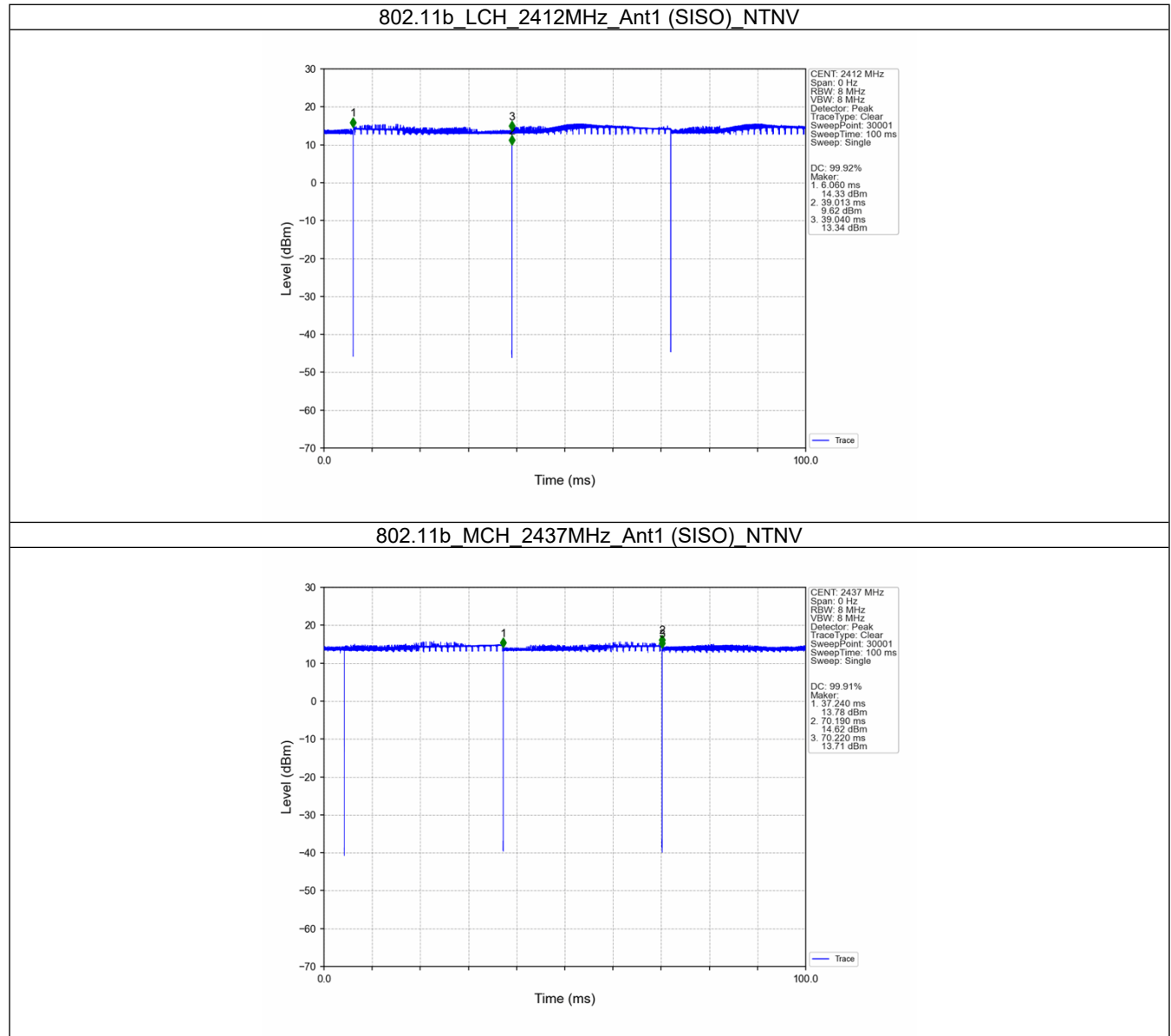
1.1 Test Result

1.1.1 Ant1

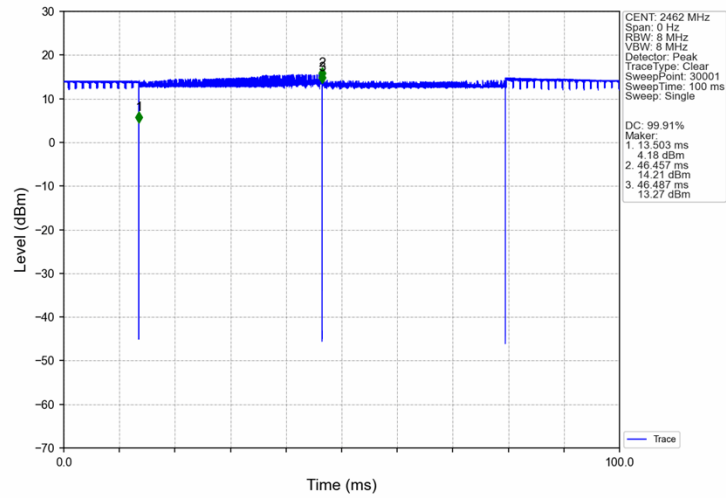
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	32.953	32.980	99.92	0.00	0.00
		2437	/	/	32.950	32.980	99.91	0.00	0.00
		2462	/	/	32.954	32.984	99.91	0.00	0.01
802.11g	SISO	2412	/	/	5.484	5.510	99.53	0.02	0.00
		2437	/	/	5.486	5.510	99.56	0.02	0.00
		2462	/	/	5.484	5.510	99.53	0.02	0.00
802.11n (HT20)	SISO	2412	/	/	5.079	5.105	99.49	0.02	0.04
		2437	/	/	5.079	5.106	99.47	0.02	0.04
		2462	/	/	5.080	5.105	99.51	0.02	0.00
802.11n (HT40)	SISO	2422	/	/	2.468	2.493	99.00	0.04	0.03
		2437	/	/	2.469	2.603	94.85	0.23	4.19
		2452	/	/	2.468	2.493	99.00	0.04	0.00
802.11ax (HEW20)	SISO	2412	SU	/	0.544	0.570	95.44	0.20	0.04
		2437	SU	/	0.545	0.570	95.61	0.19	0.03
		2462	SU	/	0.544	0.570	95.44	0.20	0.03
802.11ax (HEW40)	SISO	2422	SU	/	0.280	0.306	91.50	0.39	0.10
		2437	SU	/	7.017	7.250	96.79	0.14	0.00
		2452	SU	/	0.280	0.305	91.80	0.37	0.07

1.2 Test Graph

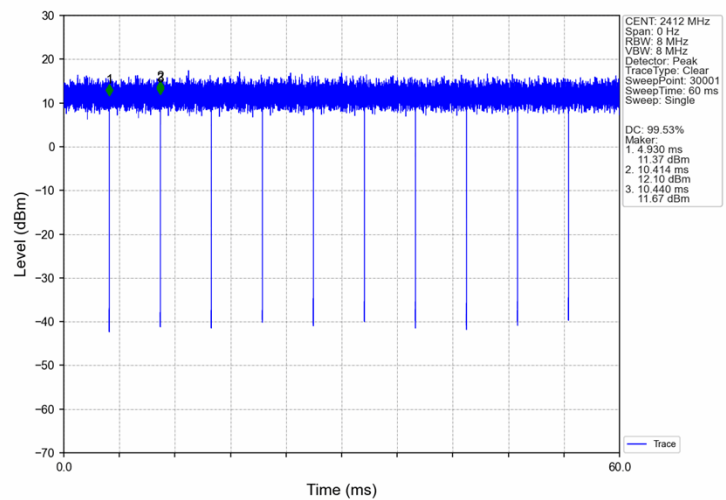
1.2.1 Ant1



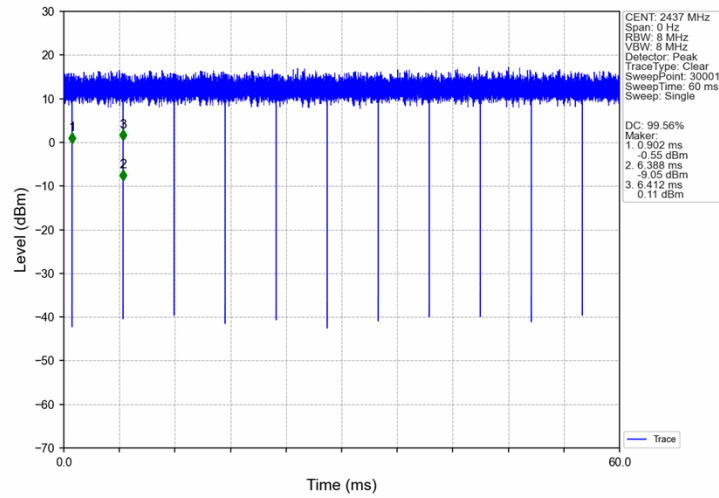
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



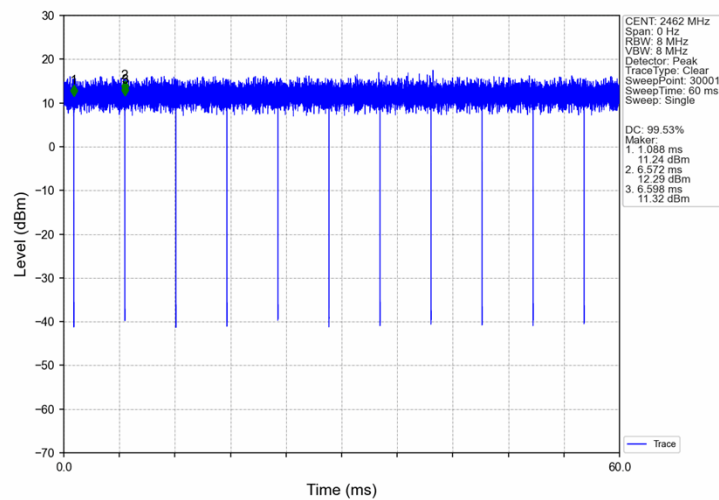
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



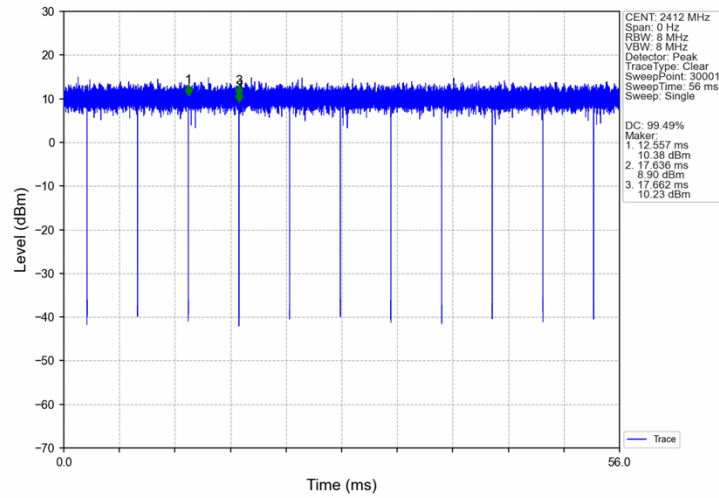
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



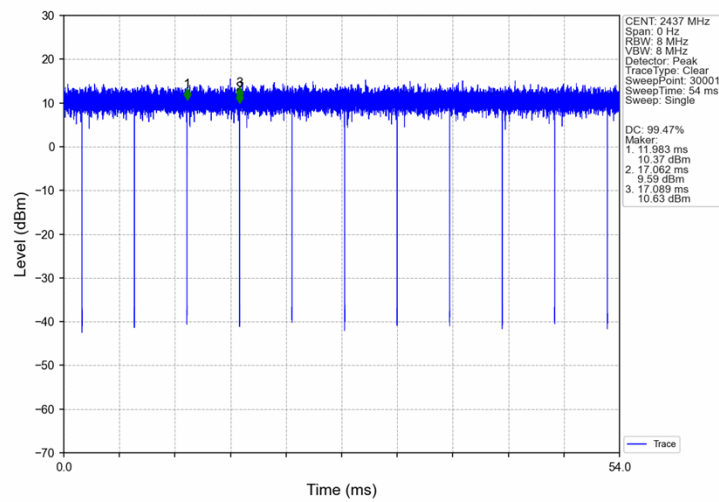
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



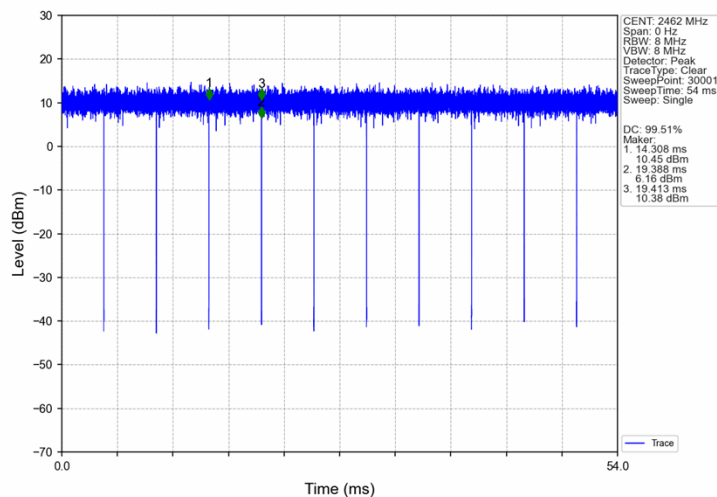
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



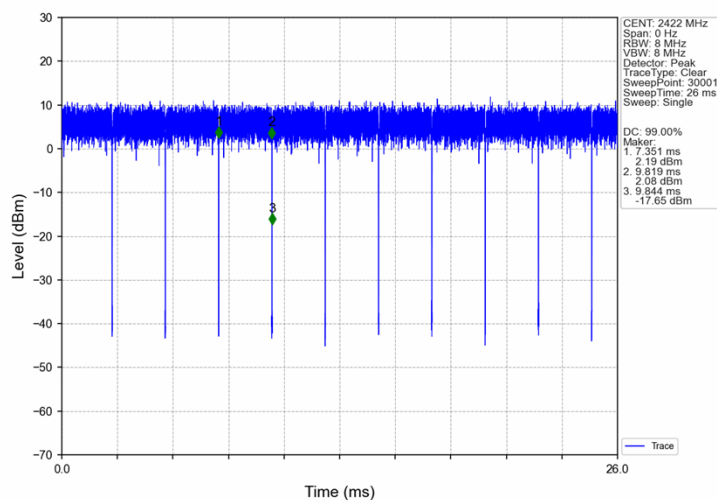
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



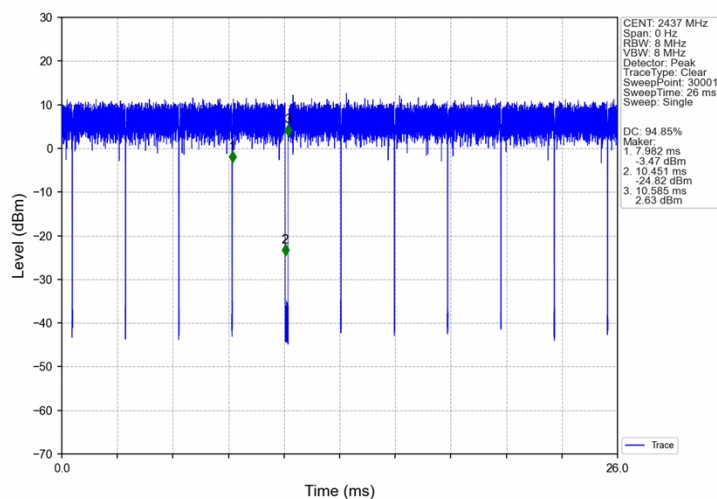
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



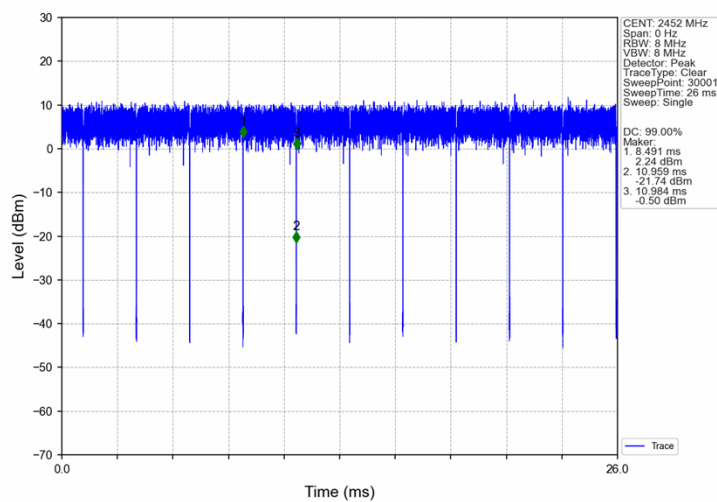
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



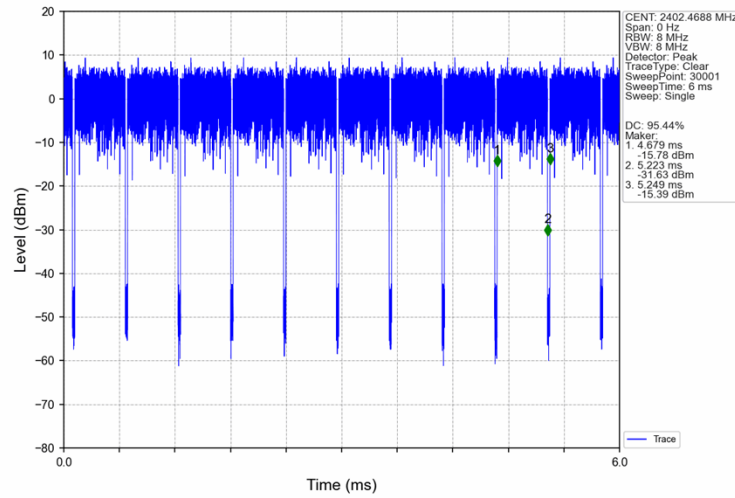
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



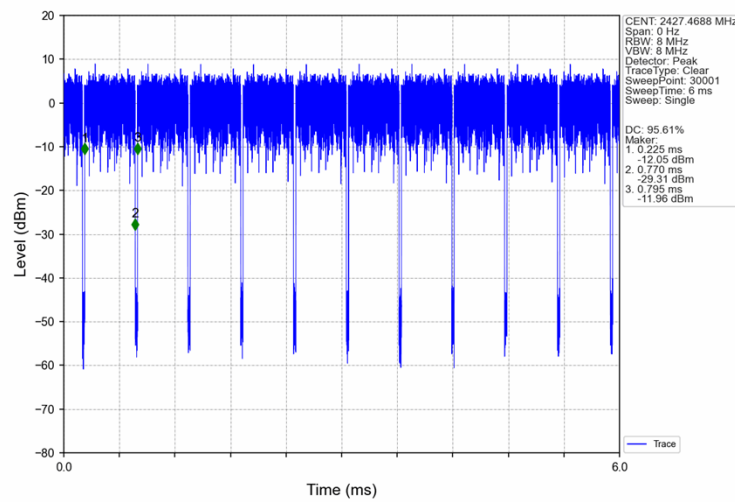
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



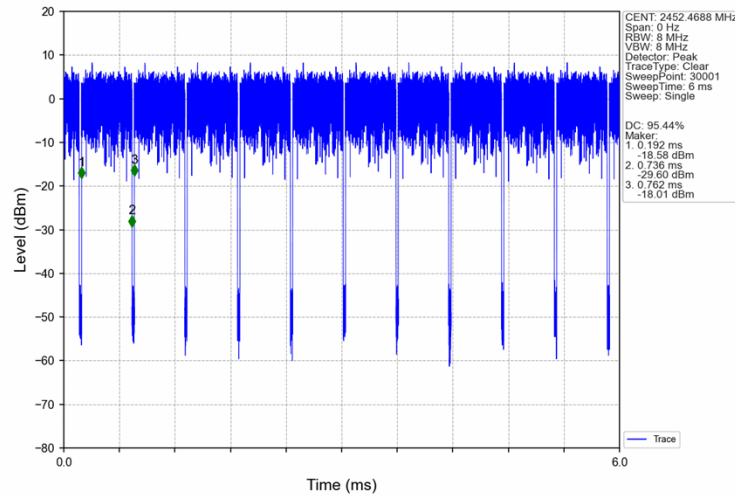
802.11ax(HEW20) LCH 2412MHz_SU / Ant1 (SISO) NTN



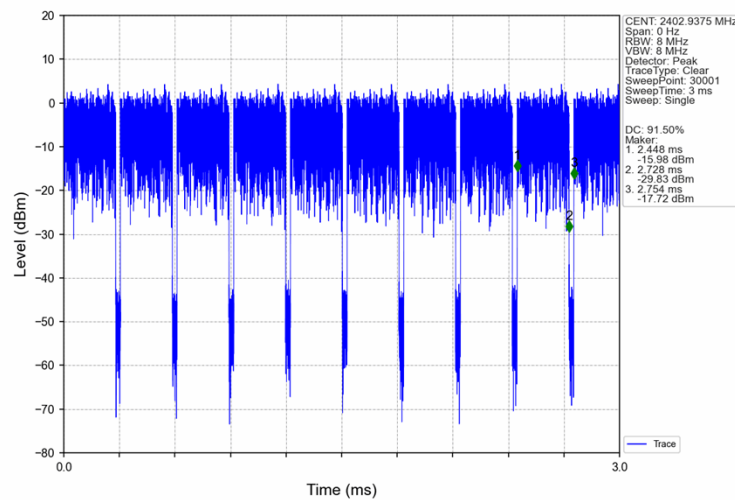
802.11ax(HEW20) MCH 2437MHz_SU / Ant1 (SISO) NTN



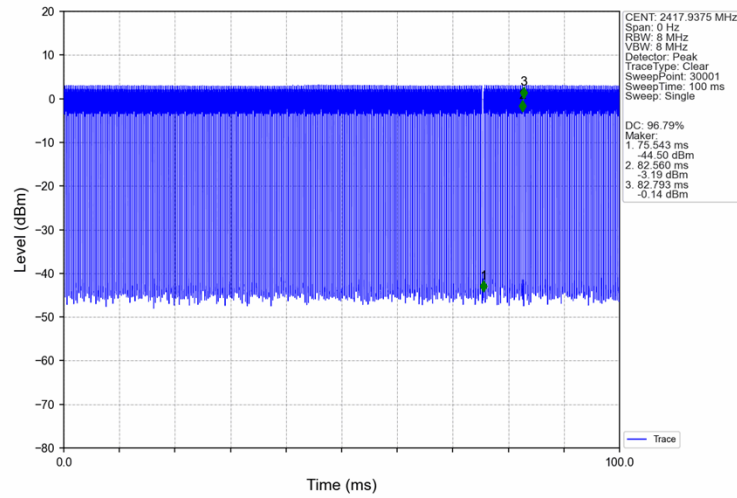
802.11ax(HEW20)_HCH_2462MHz_SU / Ant1 (SISO)_NTNV



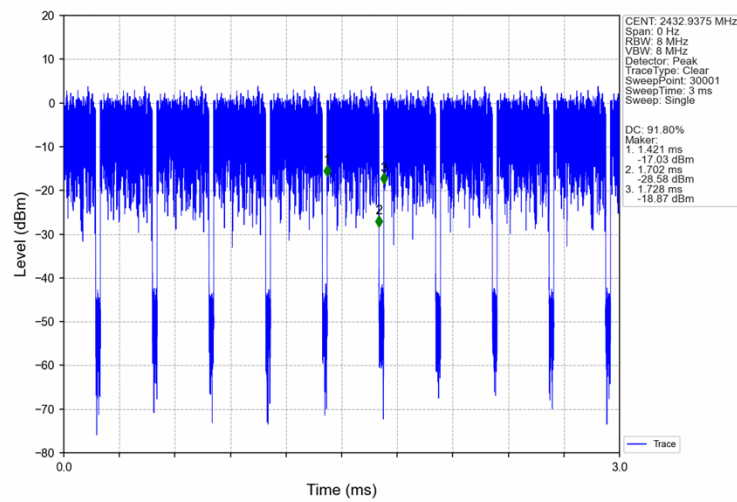
802.11ax(HEW40)_LCH_2422MHz_SU / Ant1 (SISO)_NTNV



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

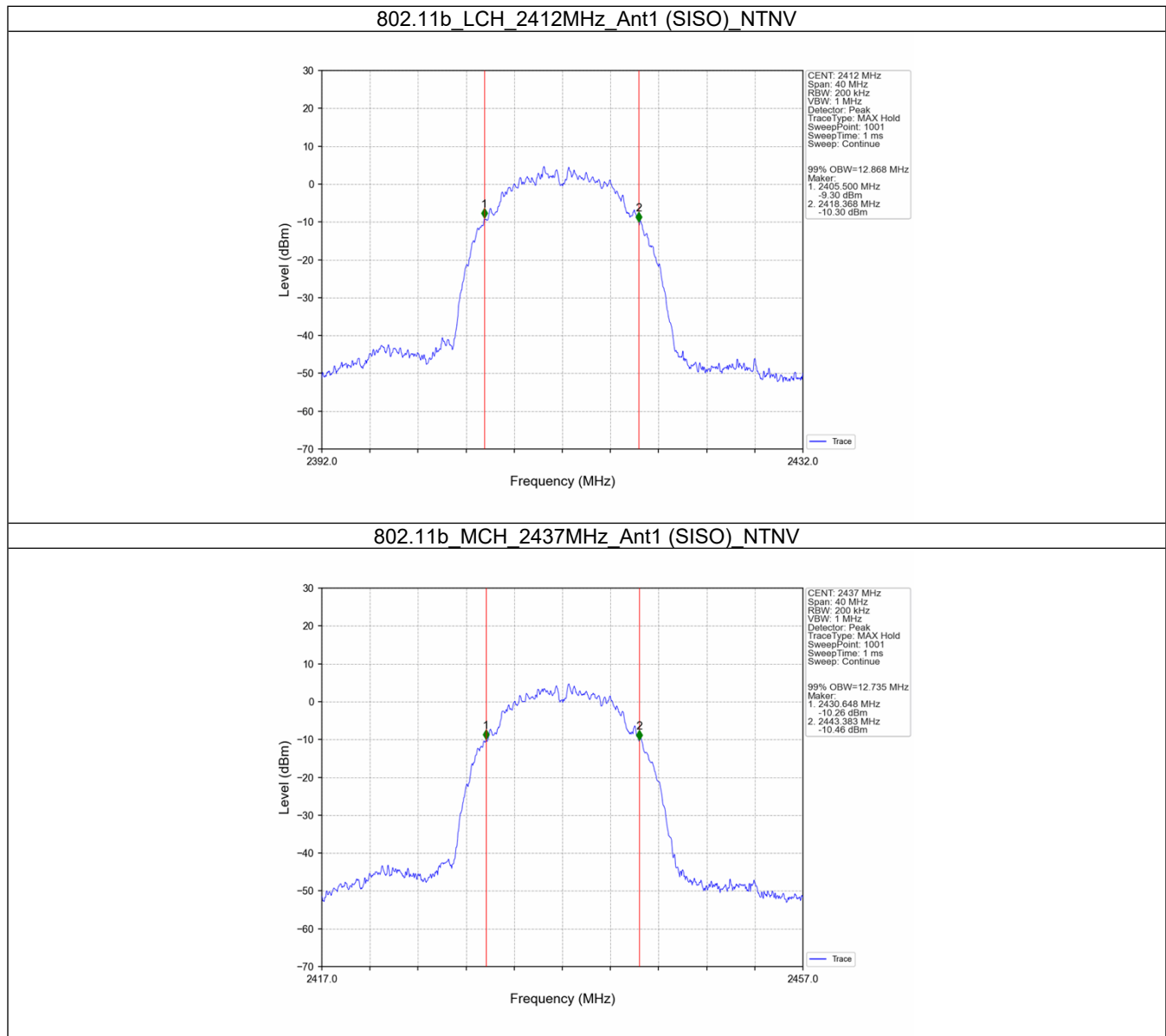
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	12.868	/	Pass
		2437	/	/	1	12.735	/	Pass
		2462	/	/	1	12.839	/	Pass
802.11g	SISO	2412	/	/	1	16.382	/	Pass
		2437	/	/	1	16.350	/	Pass
		2462	/	/	1	16.368	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.218	/	Pass
		2437	/	/	1	17.197	/	Pass
		2462	/	/	1	17.223	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.988	/	Pass
		2437	/	/	1	35.804	/	Pass
		2452	/	/	1	35.952	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	17.317	/	Pass
		2437	SU	/	1	17.284	/	Pass
		2462	SU	/	1	17.308	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	36.068	/	Pass
		2437	SU	/	1	35.888	/	Pass
		2452	SU	/	1	36.073	/	Pass

2.1.2 6dB BW

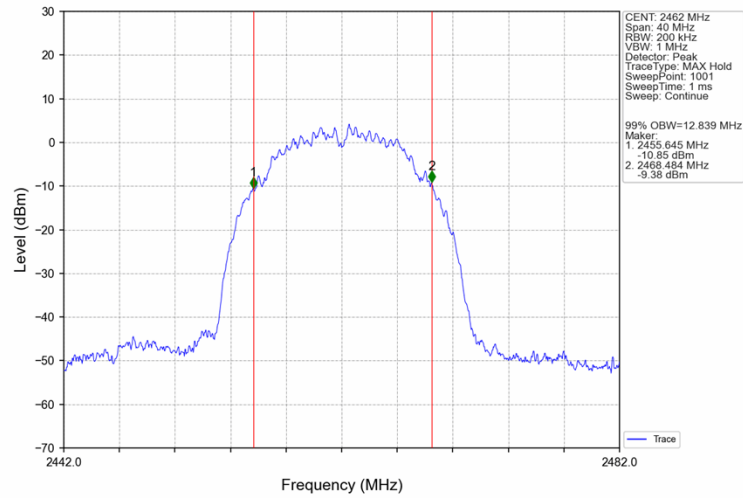
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.089	≥ 0.5	Pass
		2437	/	/	1	8.576	≥ 0.5	Pass
		2462	/	/	1	9.131	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.407	≥ 0.5	Pass
		2437	/	/	1	16.377	≥ 0.5	Pass
		2462	/	/	1	16.399	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.074	≥ 0.5	Pass
		2437	/	/	1	17.035	≥ 0.5	Pass
		2462	/	/	1	17.206	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.746	≥ 0.5	Pass
		2437	/	/	1	35.292	≥ 0.5	Pass
		2452	/	/	1	35.755	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	17.080	≥ 0.5	Pass
		2437	SU	/	1	17.031	≥ 0.5	Pass
		2462	SU	/	1	17.171	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	35.846	≥ 0.5	Pass
		2437	SU	/	1	35.390	≥ 0.5	Pass
		2452	SU	/	1	35.926	≥ 0.5	Pass

2.2 Test Graph

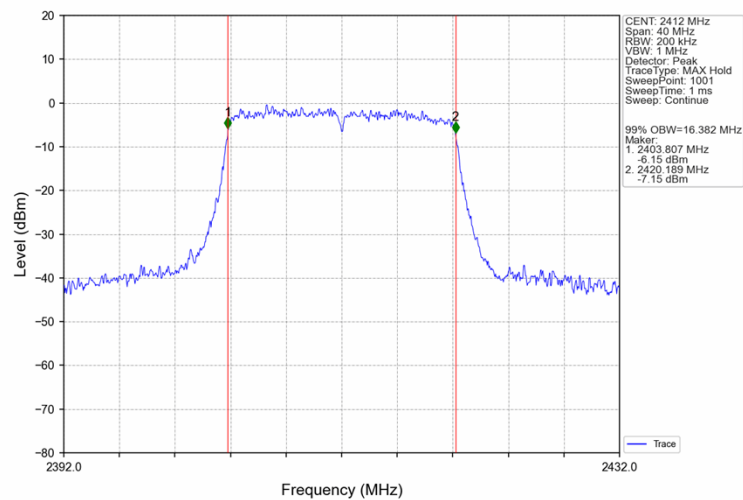
2.2.1 OBW



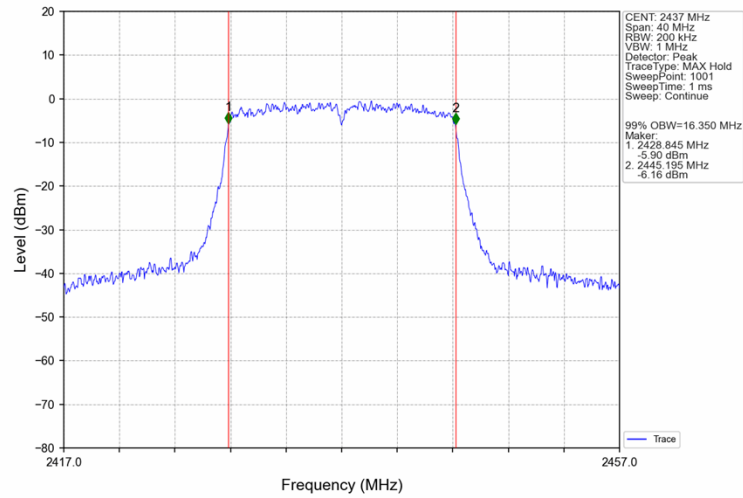
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



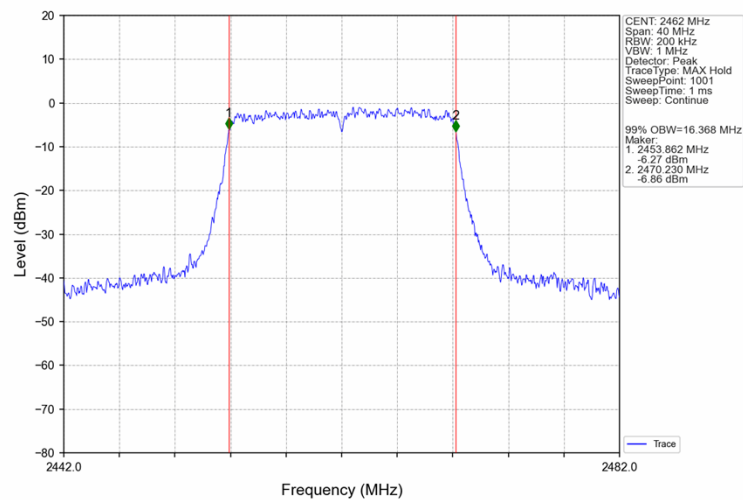
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



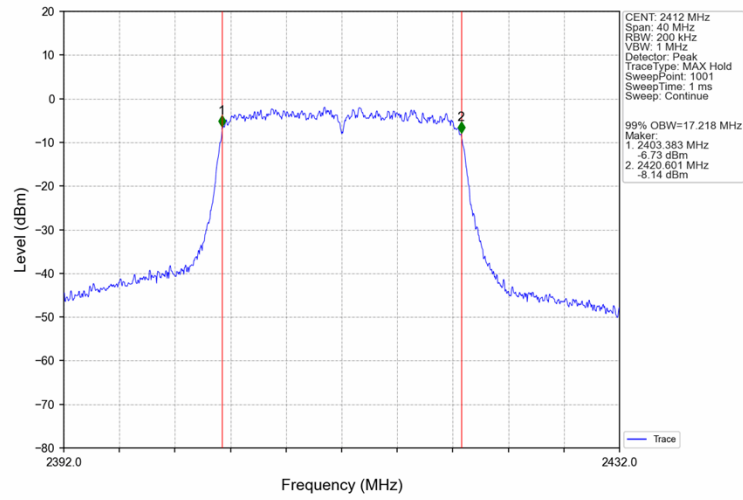
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



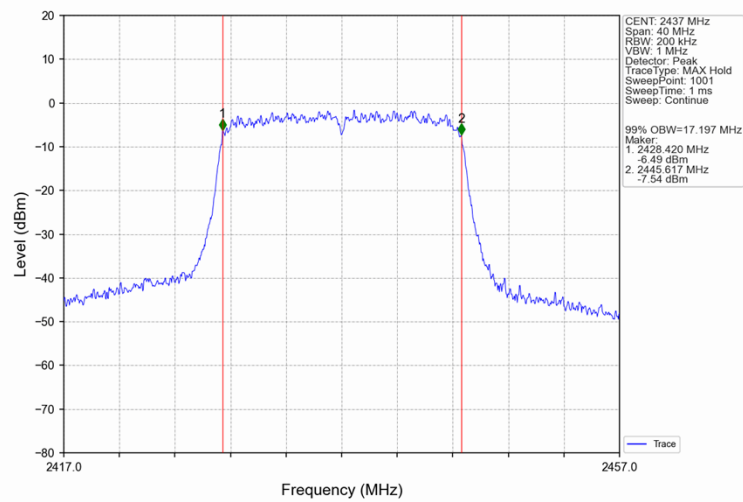
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



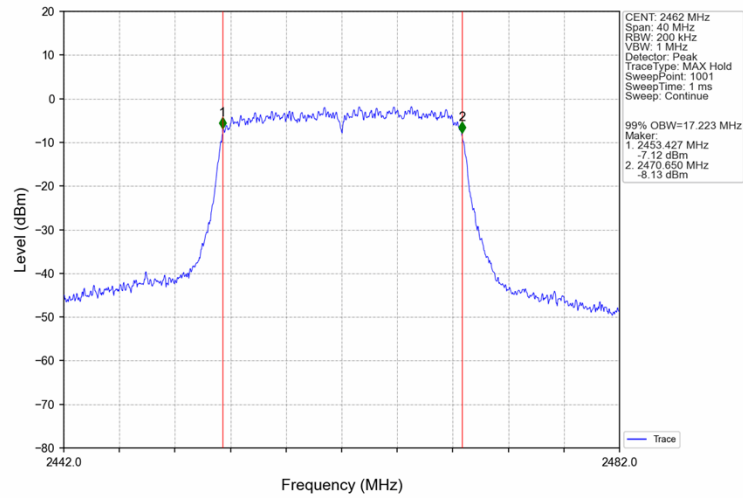
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



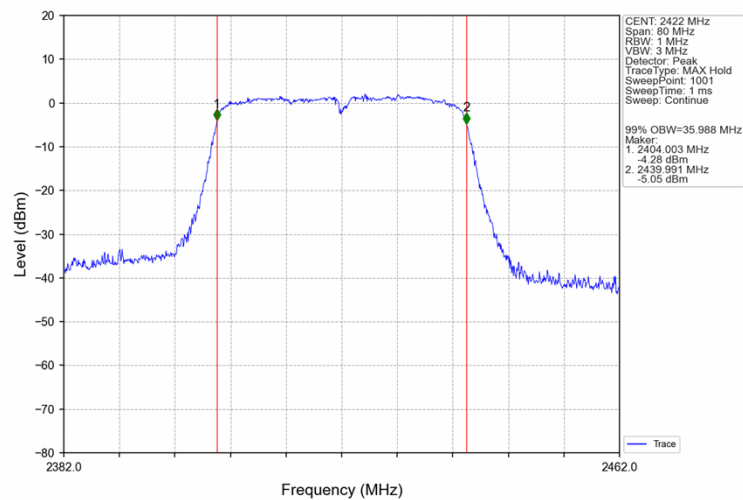
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



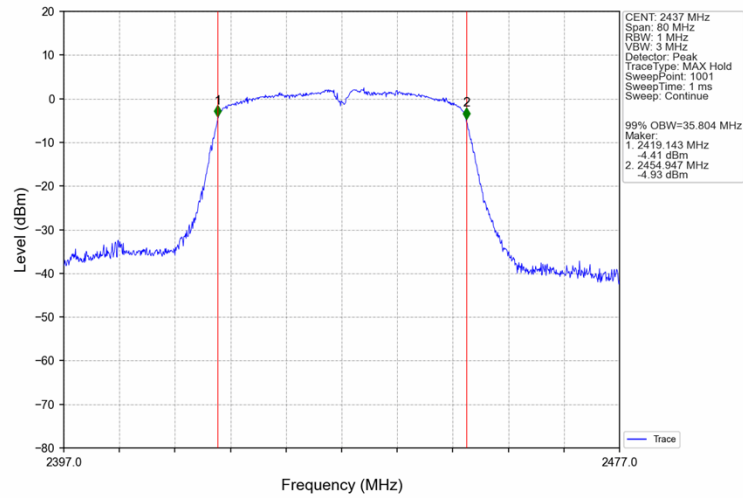
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



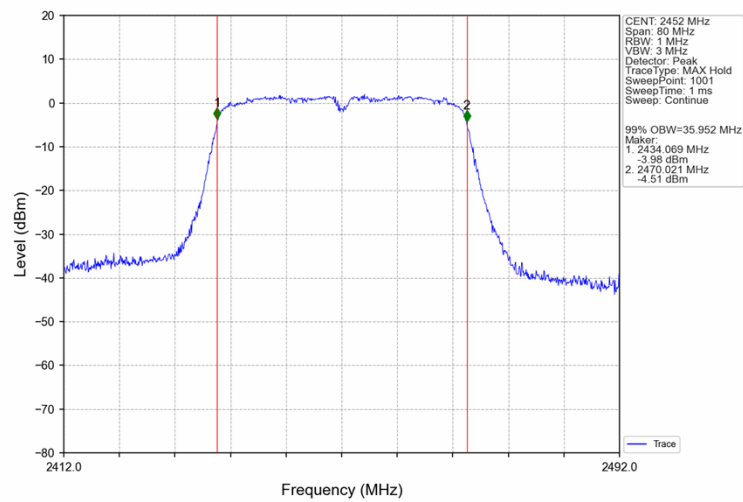
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



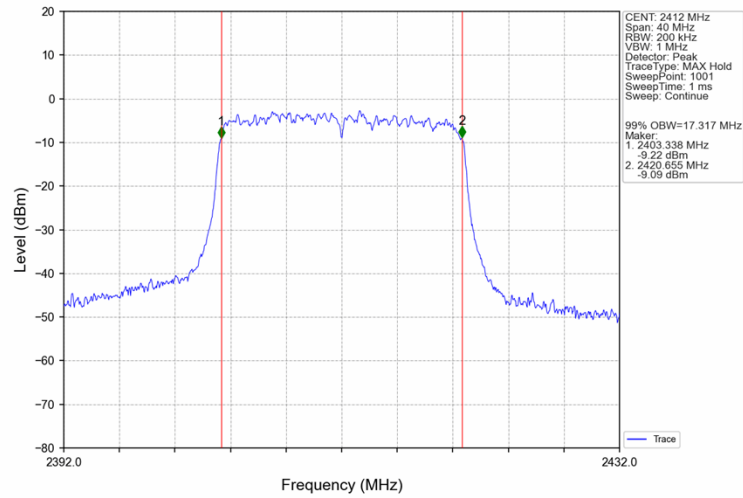
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



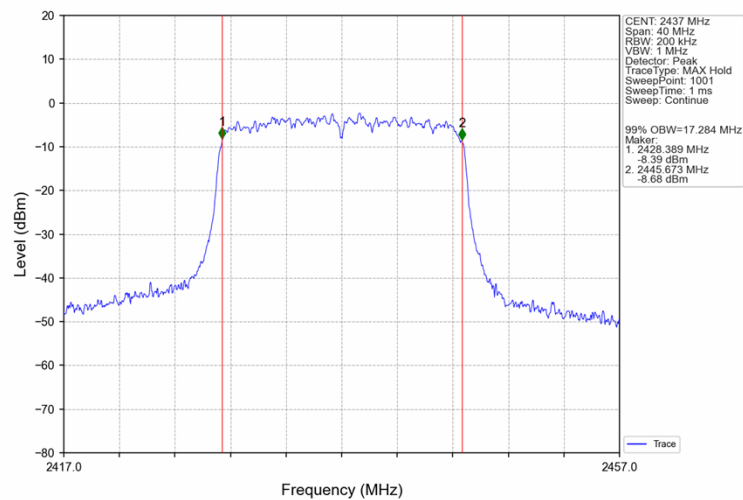
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



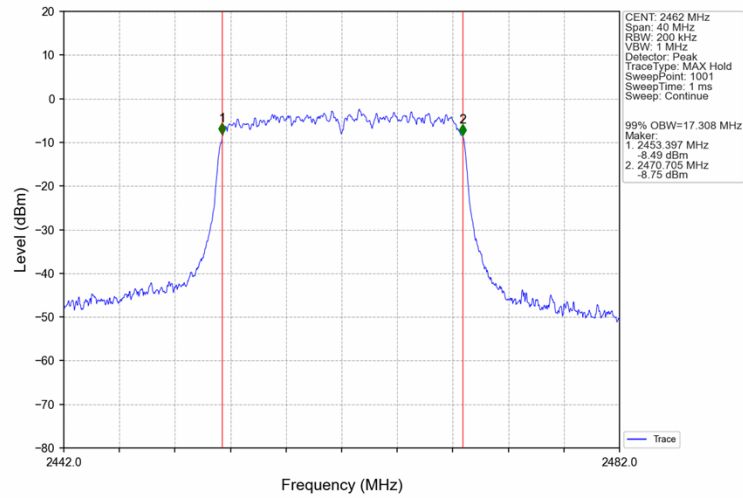
802.11ax(HEW20)_LCH_2412MHz_SU / Ant1 (SISO)_NTNV



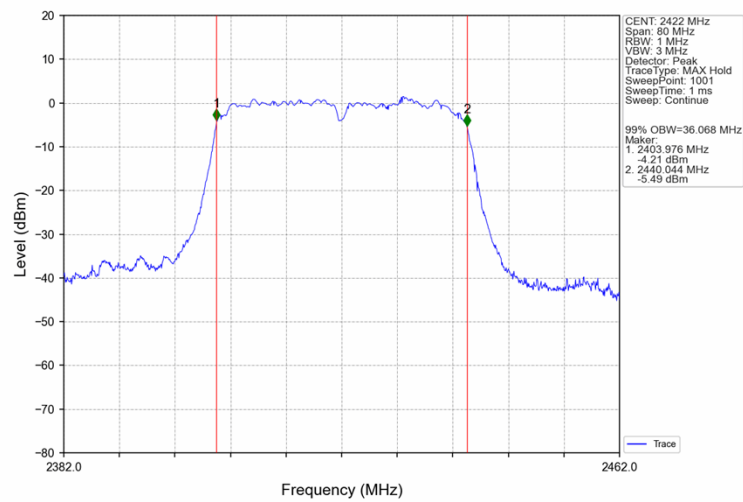
802.11ax(HEW20)_MCH_2437MHz_SU / Ant1 (SISO)_NTNV



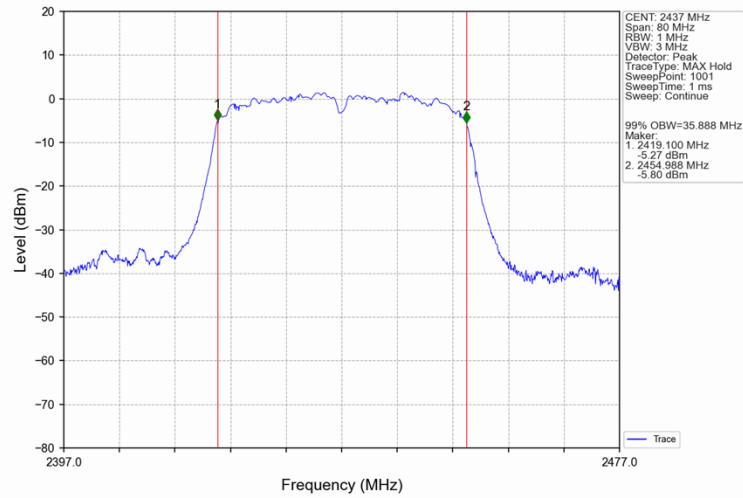
802.11ax(HEW20)_HCH_2462MHz_SU / Ant1 (SISO) NTNv



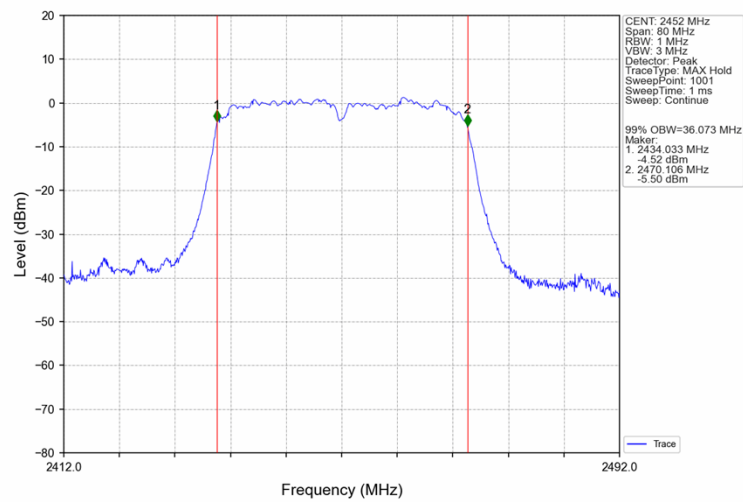
802.11ax(HEW40)_LCH_2422MHz_SU / Ant1 (SISO) NTNv



802.11ax(HEW40)_MCH_2437MHz_SU / Ant1 (SISO) NTN

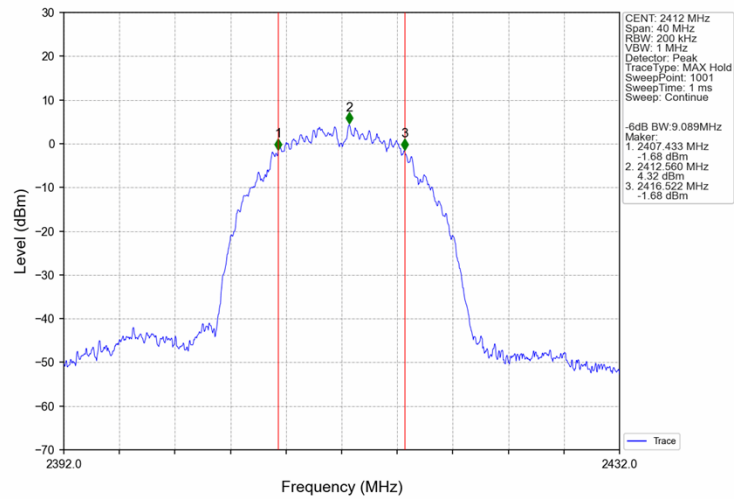


802.11ax(HEW40)_HCH_2452MHz_SU / Ant1 (SISO) NTN

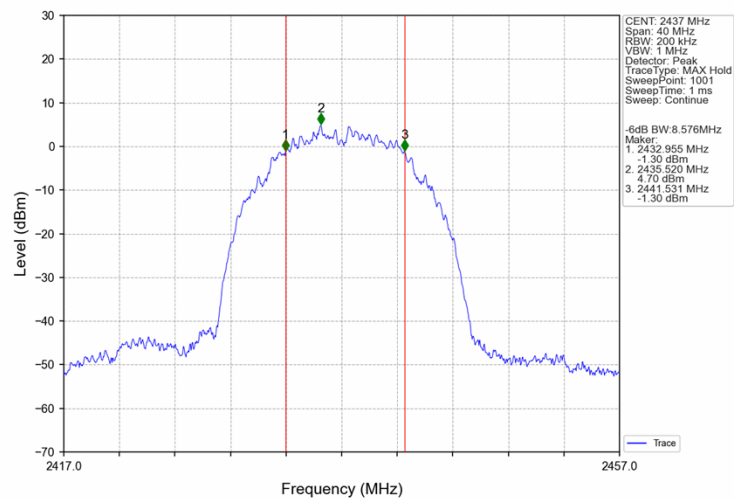


2.2.2 6dB BW

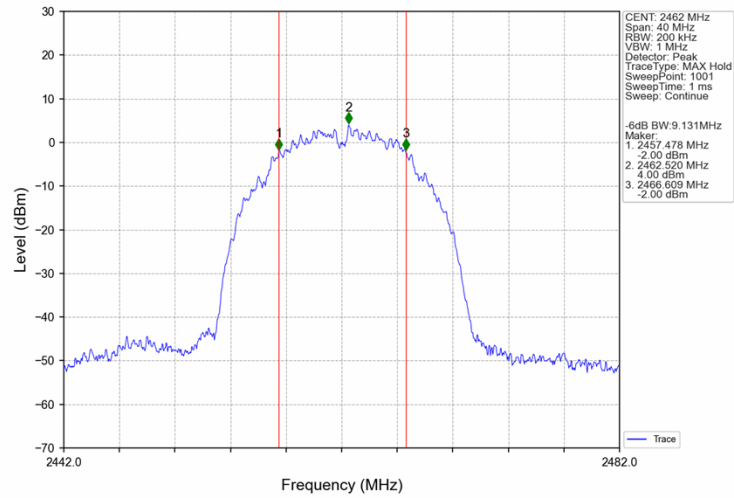
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



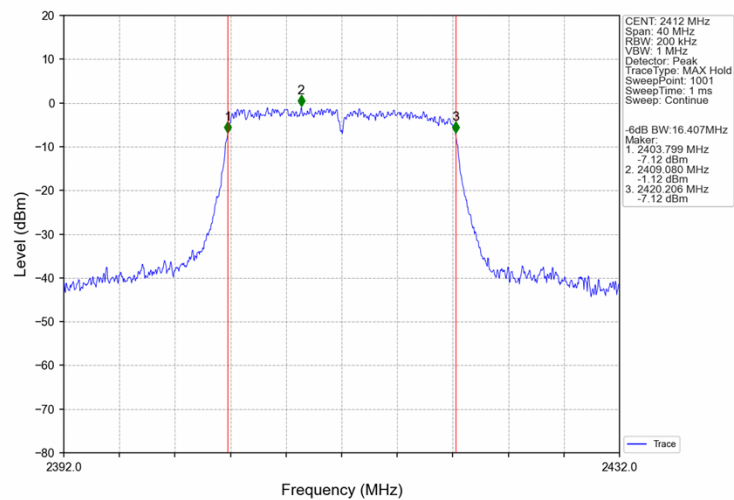
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



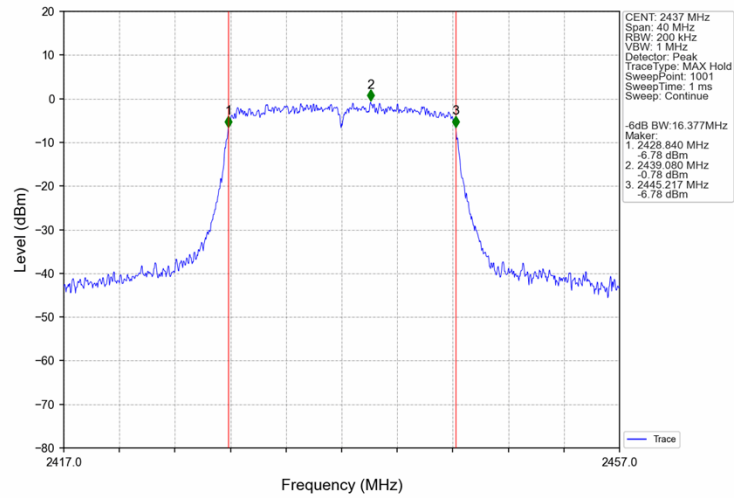
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



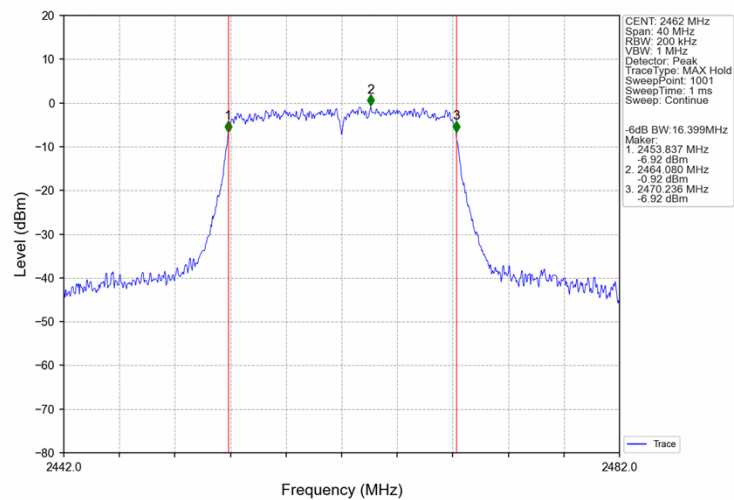
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



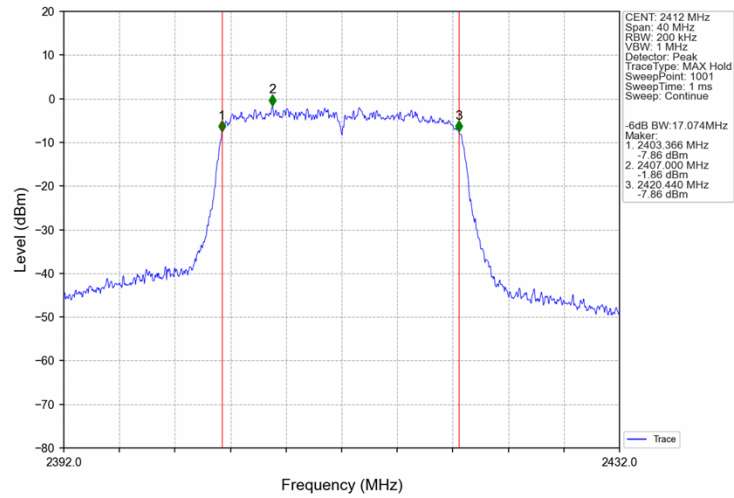
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



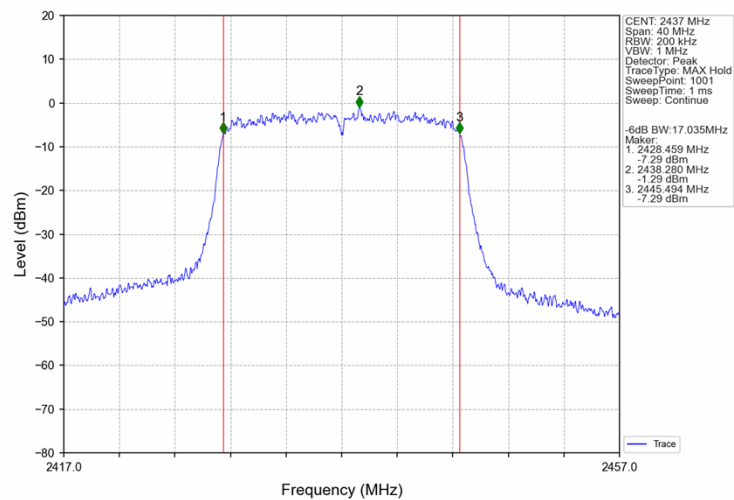
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



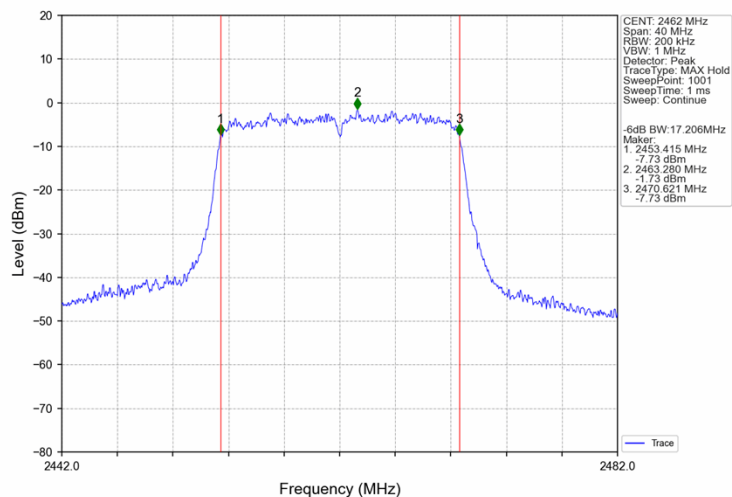
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

