

1. Duty Cycle

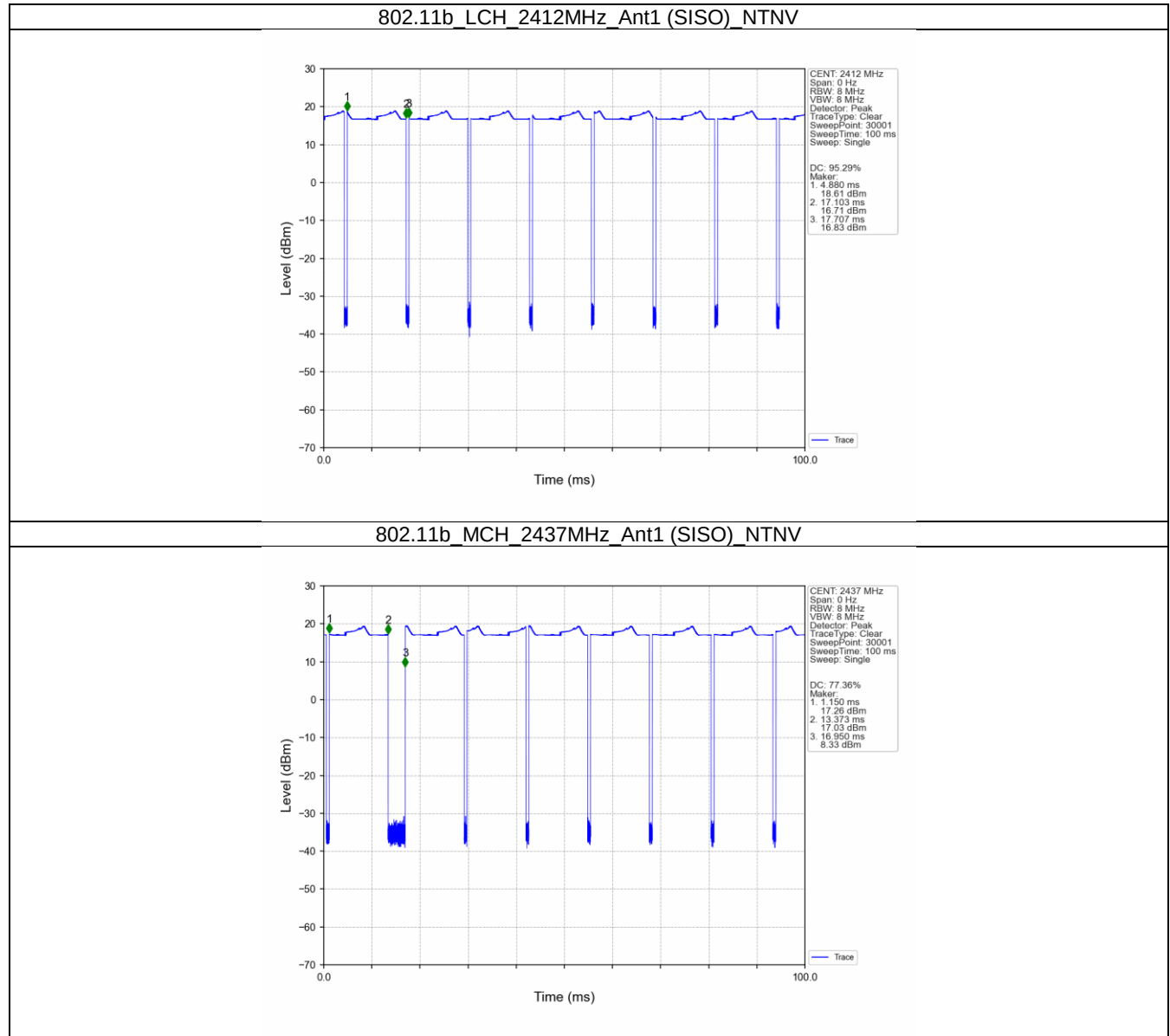
1.1 Test Result

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	/	/	12.223	12.827	95.29	0.21	0.00
		2437	/	/	12.223	15.800	77.36	1.11	17.94
		2462	/	/	12.223	12.830	95.27	0.21	0.05
802.11g	SISO	2412	/	/	2.033	2.650	76.72	1.15	0.27
		2437	/	/	2.033	2.650	76.72	1.15	0.26
		2462	/	/	2.032	2.677	75.91	1.20	1.07
802.11n (HT20)	SISO	2412	/	/	1.893	2.510	75.42	1.23	0.26
		2437	/	/	1.892	2.623	72.13	1.42	3.59
		2462	/	/	1.892	2.510	75.38	1.23	0.30
802.11n (HT40)	SISO	2422	/	/	0.933	4.535	20.57	6.87	40.00
		2437	/	/	0.932	1.540	60.52	2.18	0.02
		2452	/	/	0.932	1.541	60.48	2.18	0.03
802.11ax (HEW20)	SISO	2412	SU	/	1.459	2.417	60.36	2.19	10.22
		2437	SU	/	1.459	2.076	70.28	1.53	0.33
		2462	SU	/	1.459	2.077	70.25	1.53	0.33
802.11ax (HEW40)	SISO	2422	SU	/	0.759	1.377	55.12	2.59	0.41
		2437	SU	/	0.760	1.378	55.15	2.58	0.36
		2452	SU	/	0.760	1.994	38.11	4.19	17.49

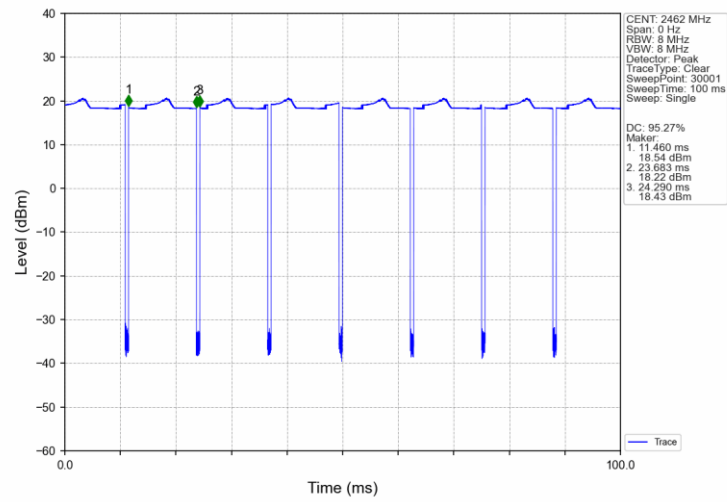
1.2 Test Graph

1.2.1 Ant1

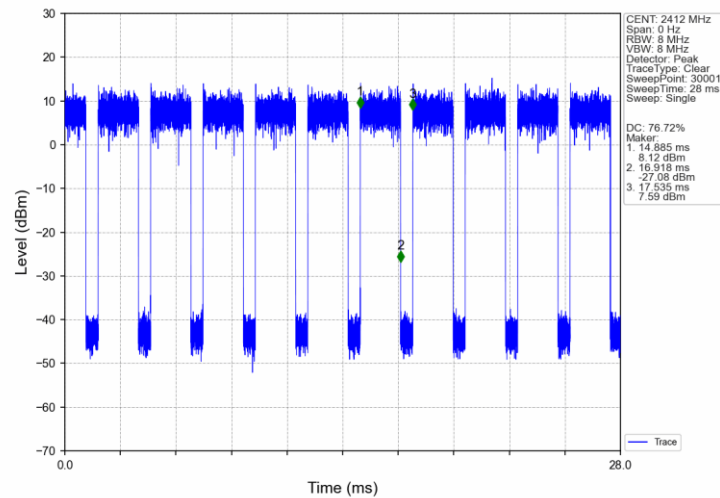




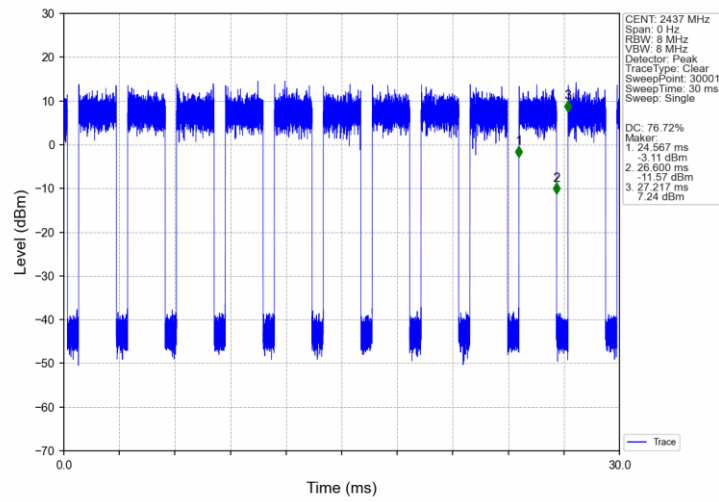
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



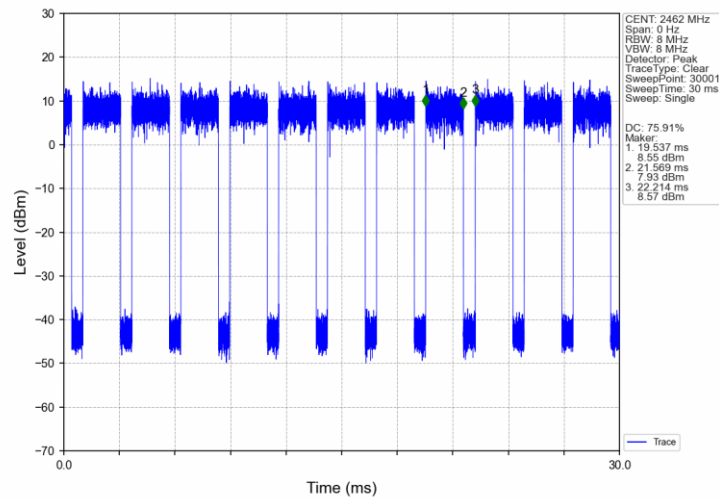
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



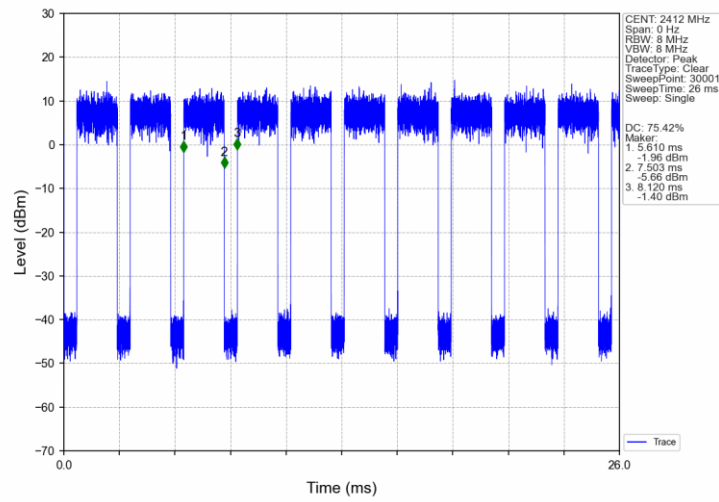
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



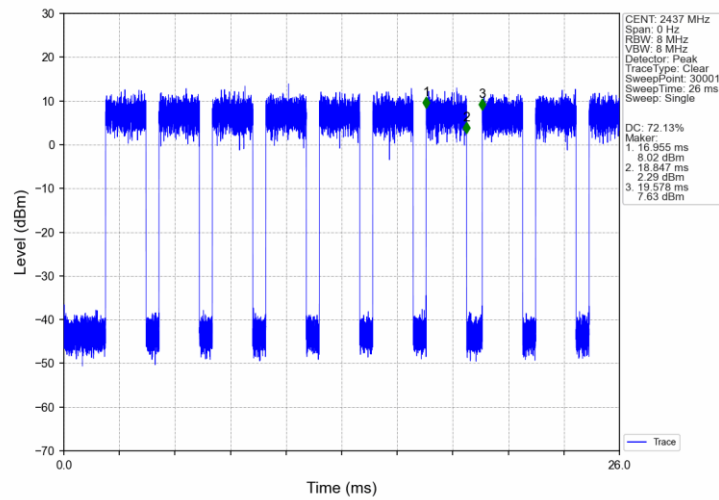
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



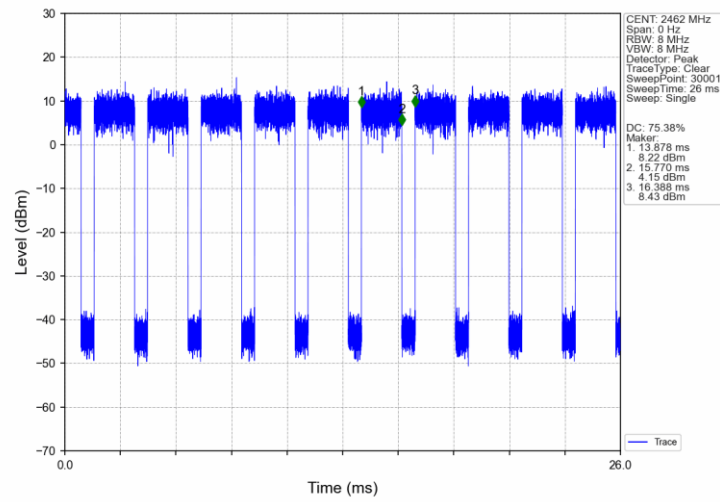
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



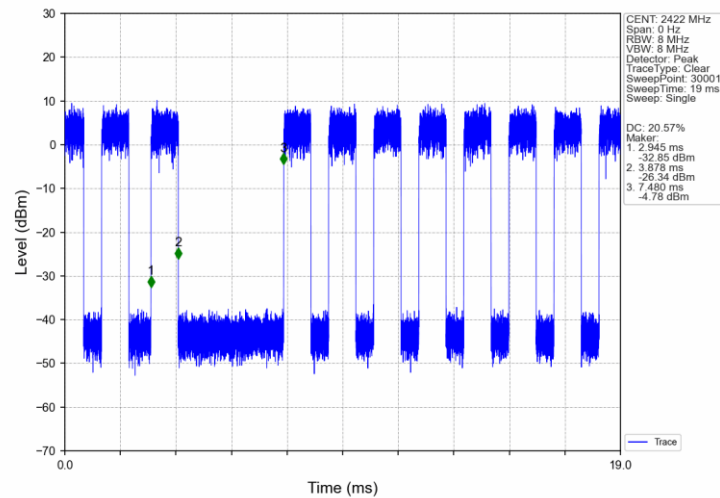
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



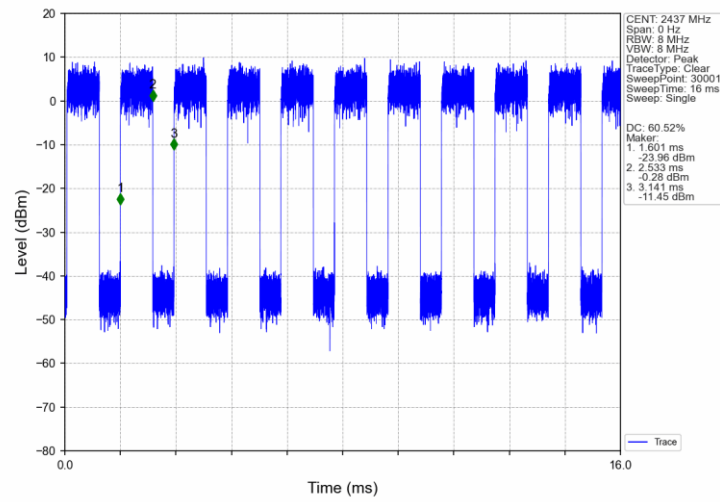
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



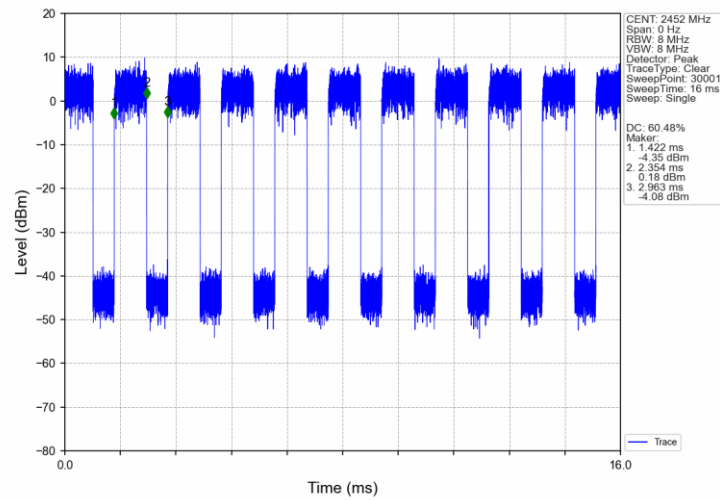
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



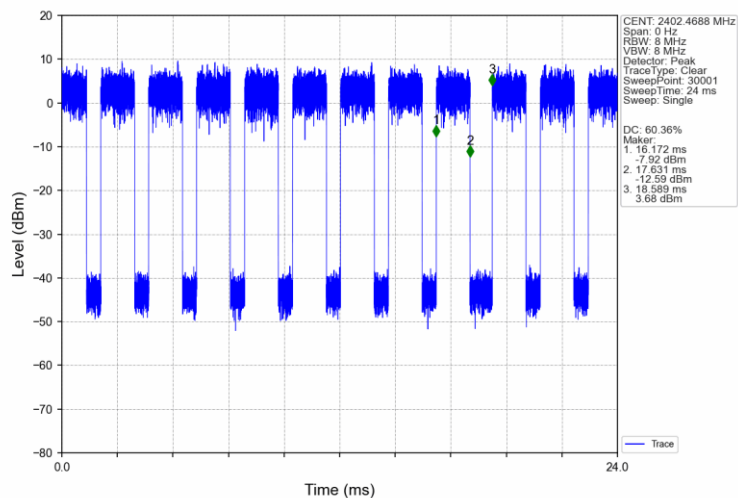
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



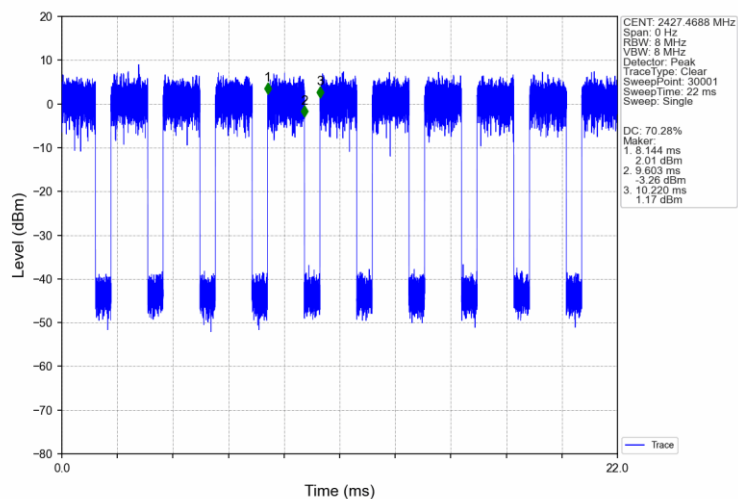
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



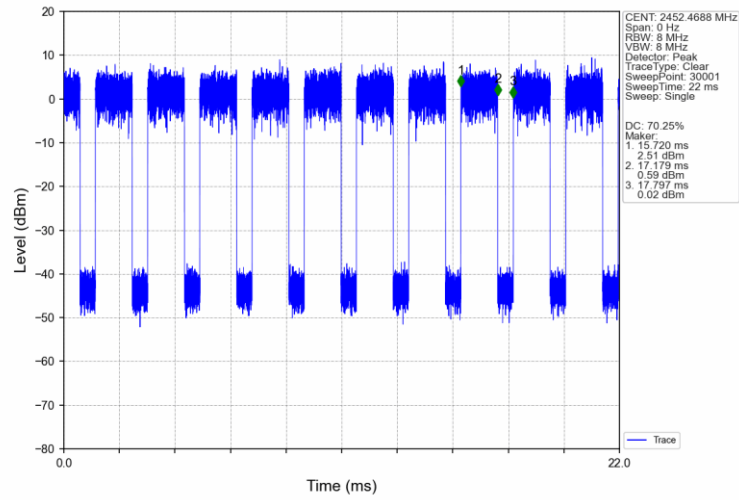
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (SISO)_NTNV



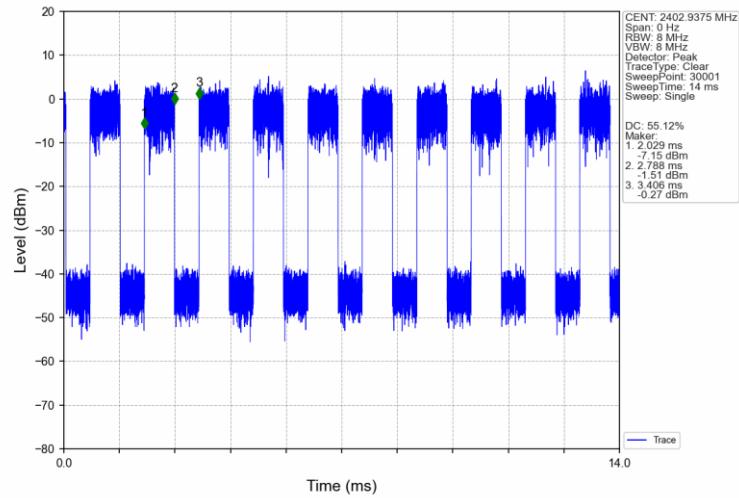
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



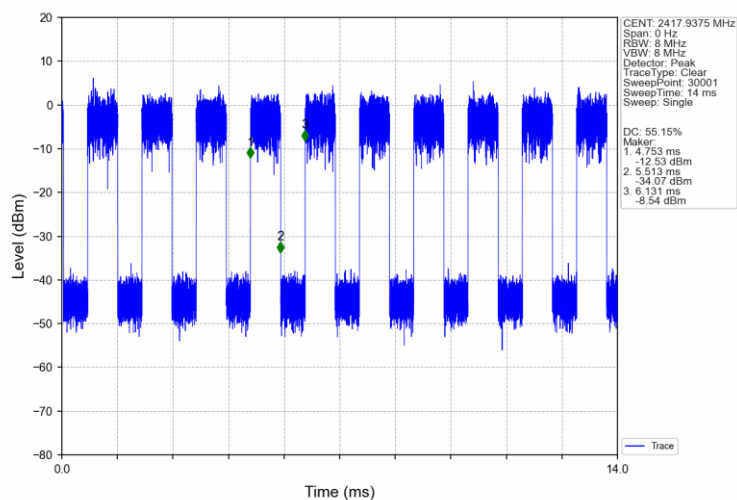
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (SISO)_NTNV



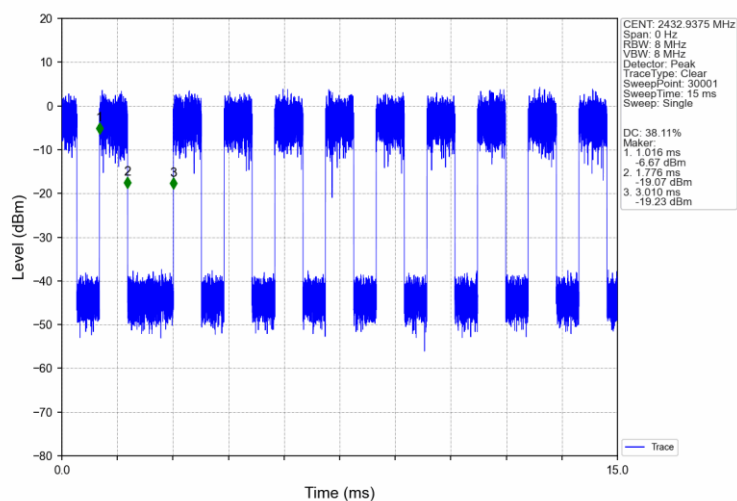
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (SISO)_NTNV



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

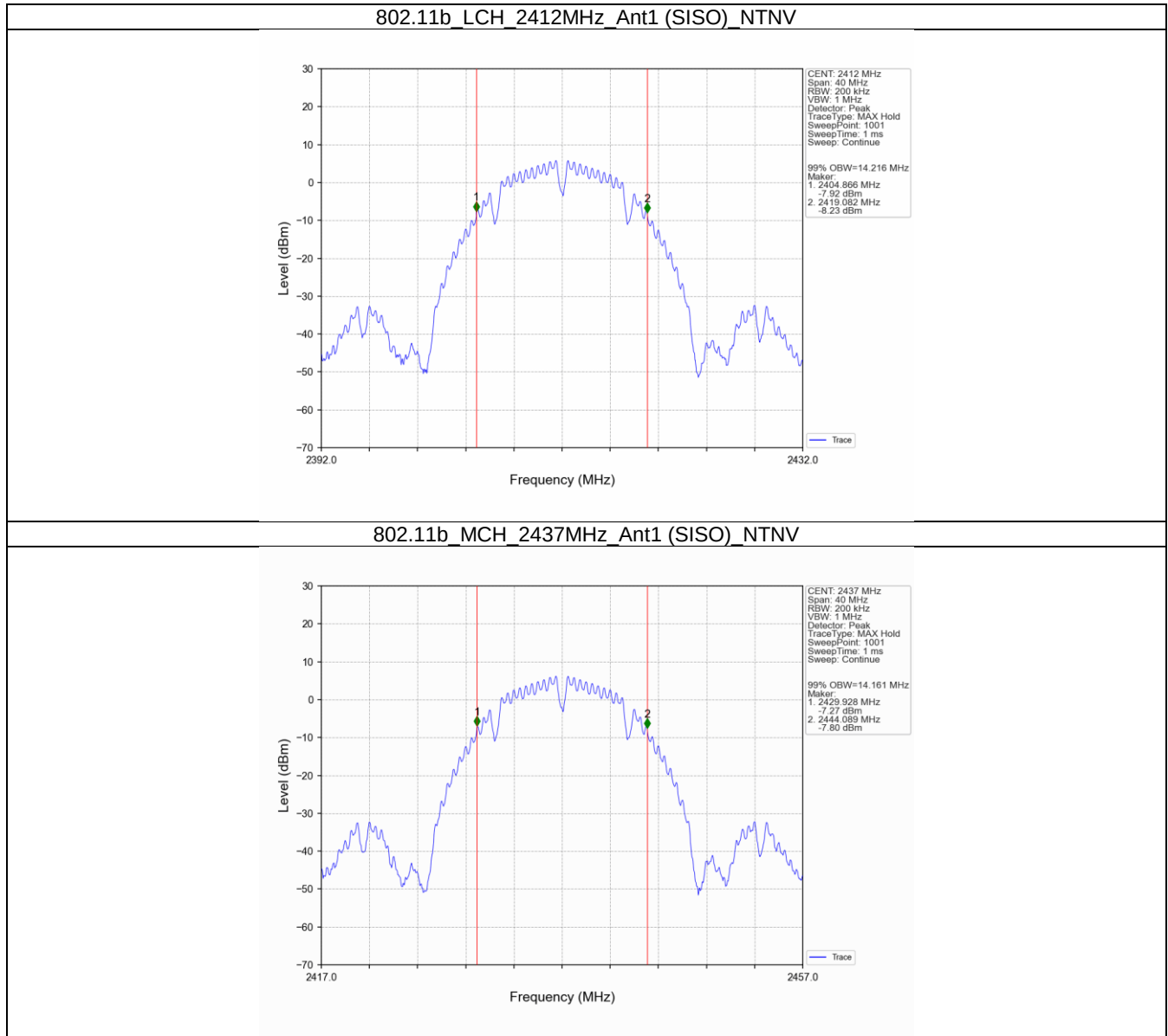
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	14.216	/	Pass
		2437	/	/	1	14.161	/	Pass
		2462	/	/	1	14.216	/	Pass
802.11g	SISO	2412	/	/	1	16.662	/	Pass
		2437	/	/	1	16.620	/	Pass
		2462	/	/	1	16.657	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.869	/	Pass
		2437	/	/	1	17.819	/	Pass
		2462	/	/	1	17.866	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.859	/	Pass
		2437	/	/	1	37.845	/	Pass
		2452	/	/	1	37.975	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.992	/	Pass
		2437	SU	/	1	19.010	/	Pass
		2462	SU	/	1	19.079	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	38.494	/	Pass
		2437	SU	/	1	38.247	/	Pass
		2452	SU	/	1	38.598	/	Pass

2.1.2 6dB BW

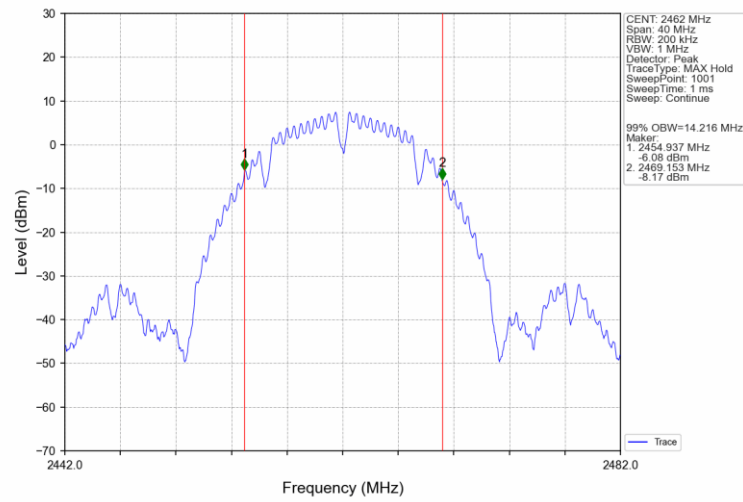
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	10.112	≥ 0.5	Pass
		2437	/	/	1	10.102	≥ 0.5	Pass
		2462	/	/	1	10.106	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.197	≥ 0.5	Pass
		2437	/	/	1	16.197	≥ 0.5	Pass
		2462	/	/	1	16.201	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.288	≥ 0.5	Pass
		2437	/	/	1	17.337	≥ 0.5	Pass
		2462	/	/	1	17.090	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.981	≥ 0.5	Pass
		2437	/	/	1	36.184	≥ 0.5	Pass
		2452	/	/	1	36.250	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.594	≥ 0.5	Pass
		2437	SU	/	1	18.869	≥ 0.5	Pass
		2462	SU	/	1	18.644	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	36.292	≥ 0.5	Pass
		2437	SU	/	1	36.864	≥ 0.5	Pass
		2452	SU	/	1	37.451	≥ 0.5	Pass

2.2 Test Graph

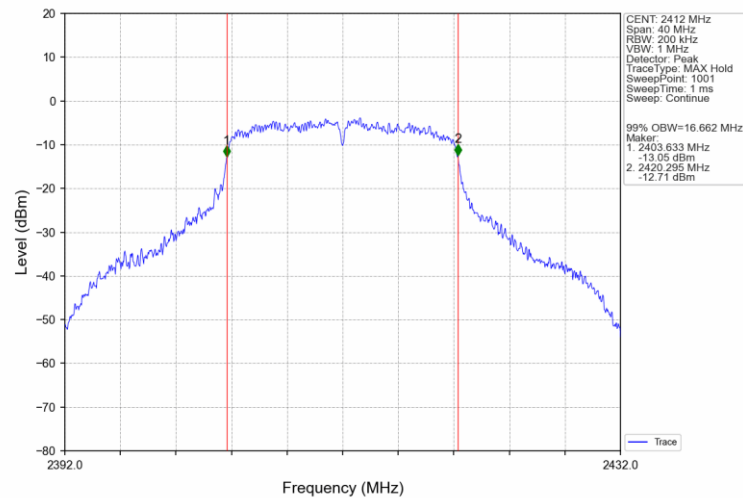
2.2.1 OBW



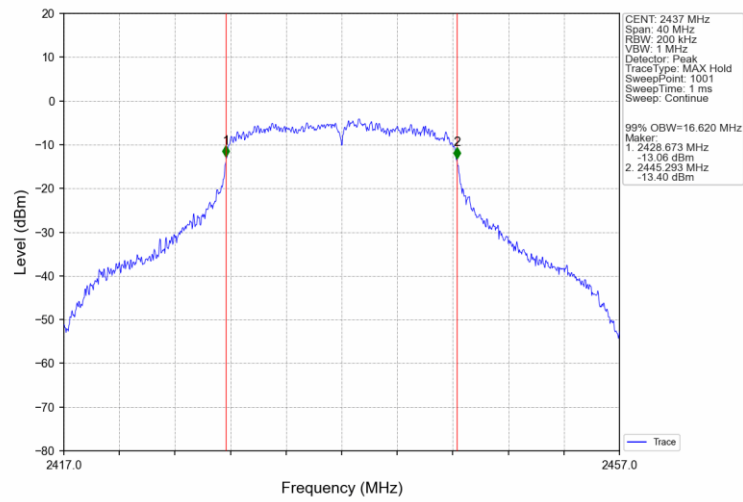
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



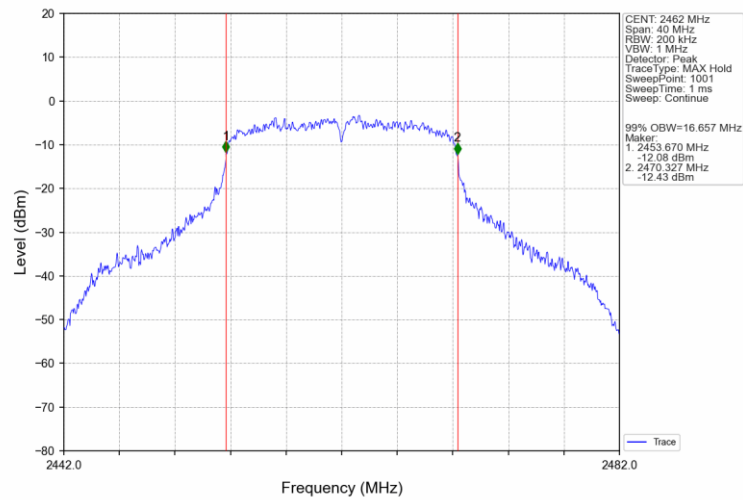
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



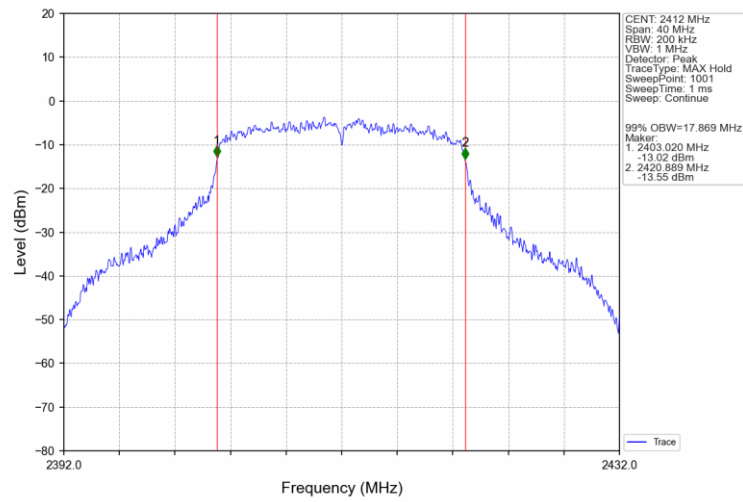
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



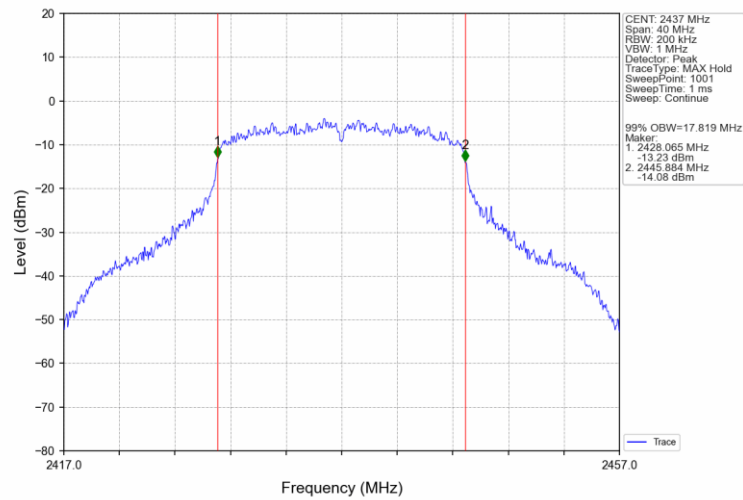
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



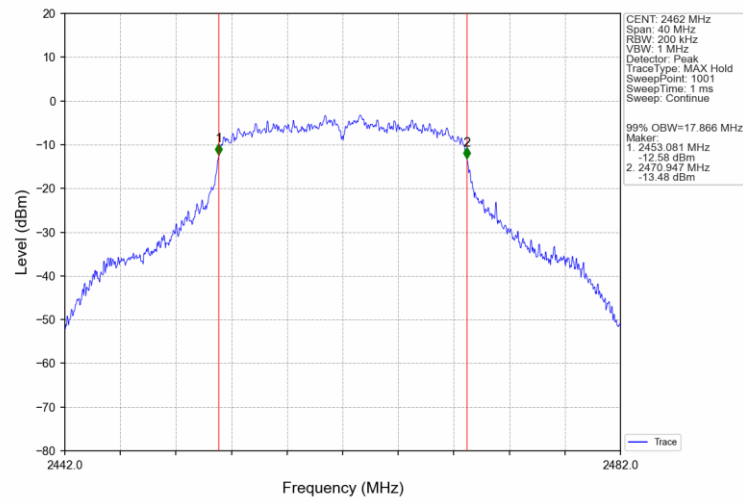
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



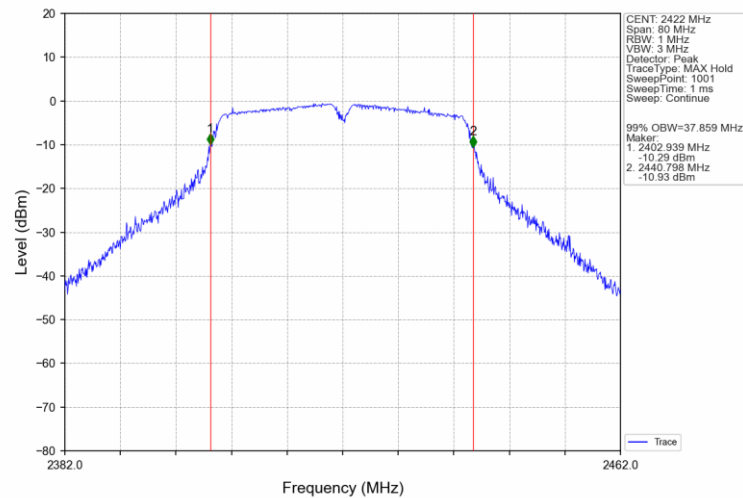
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



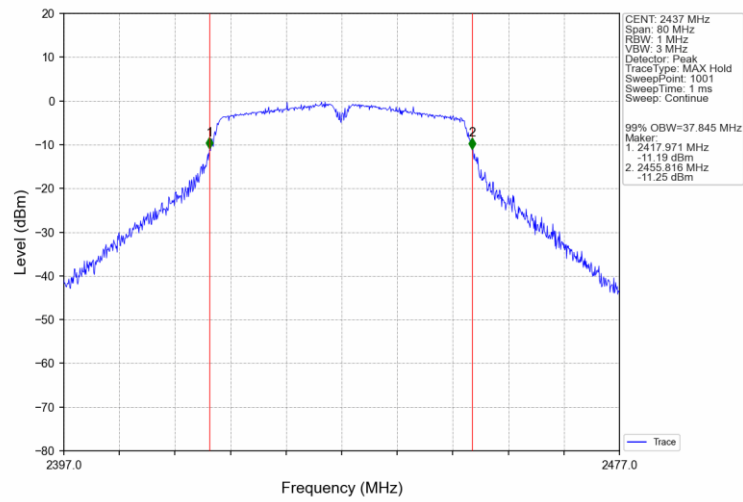
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



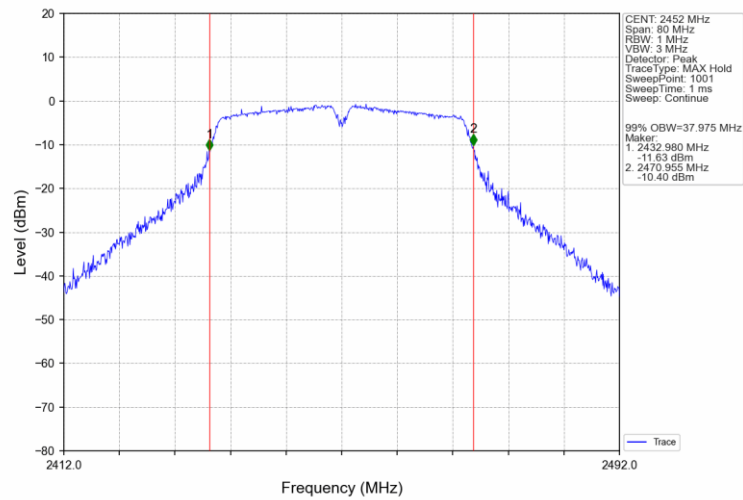
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



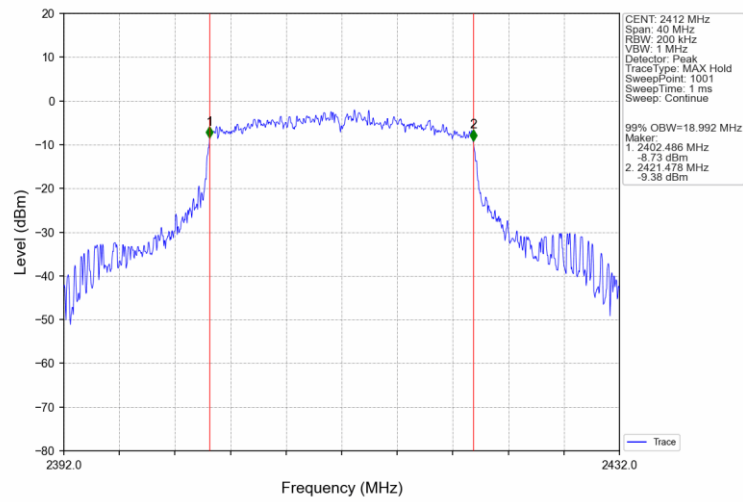
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



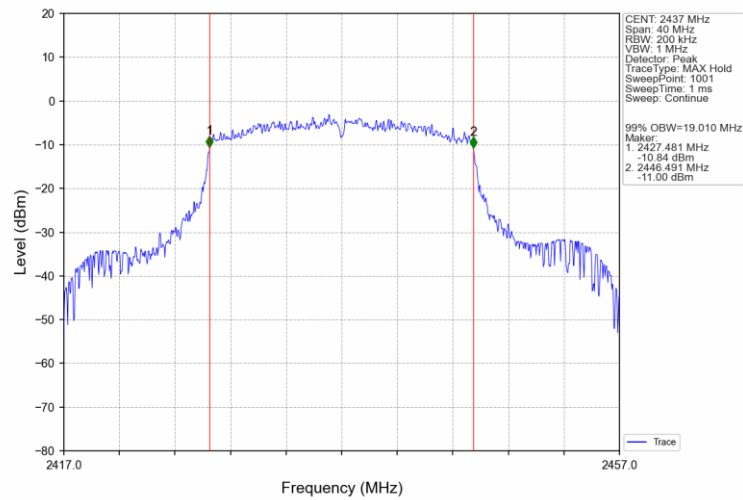
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



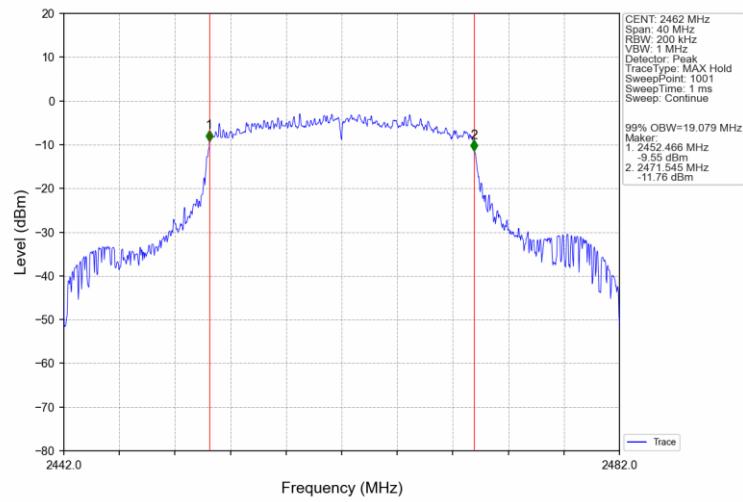
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (SISO)_NTNV



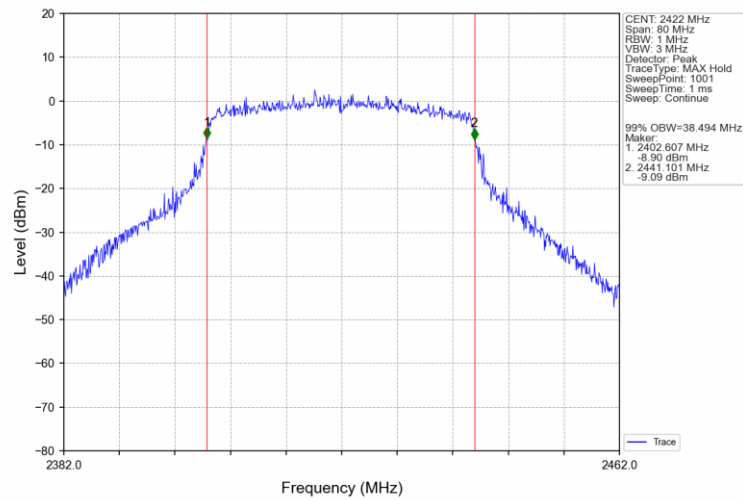
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



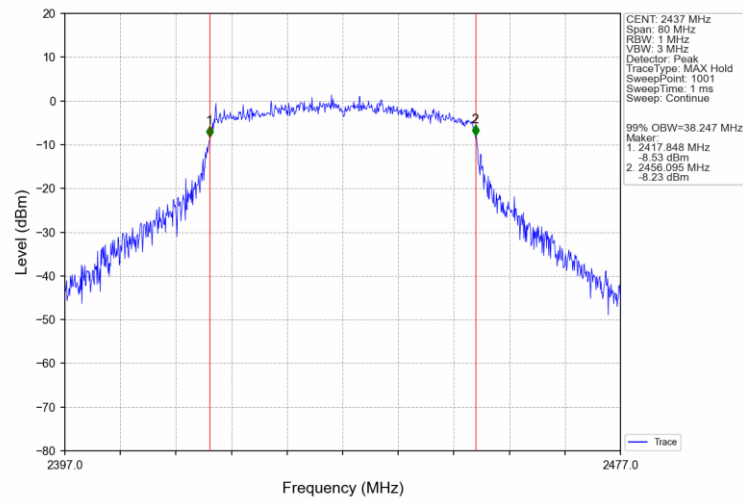
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (SISO)_NTNV



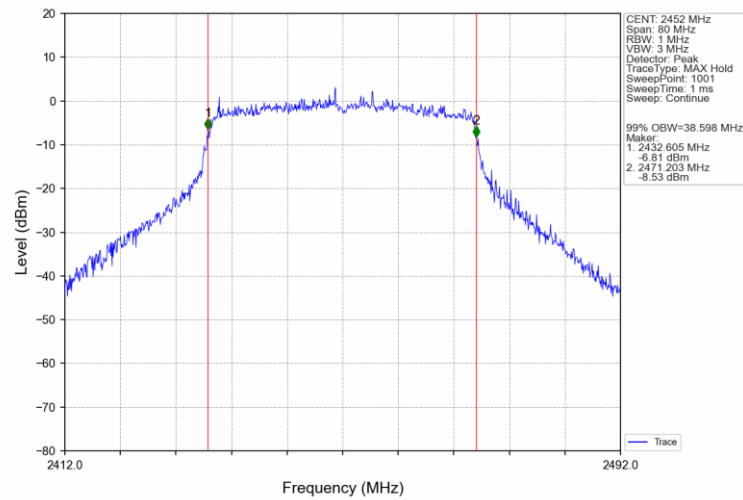
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (SISO)_NTNV



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

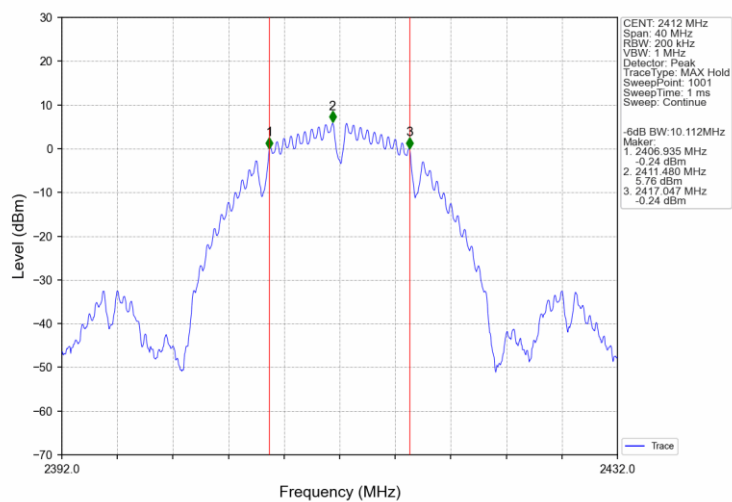


802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV

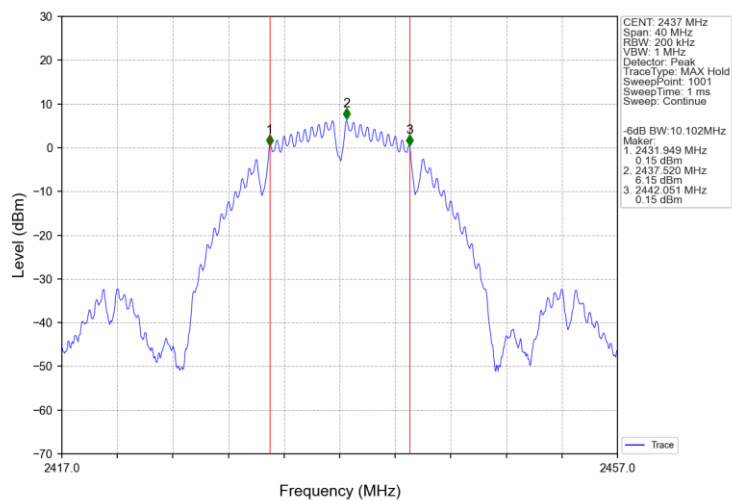


2.2.2 6dB BW

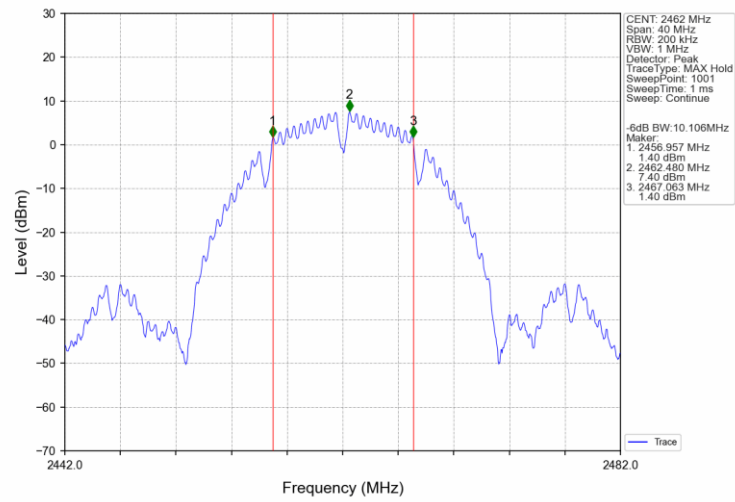
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



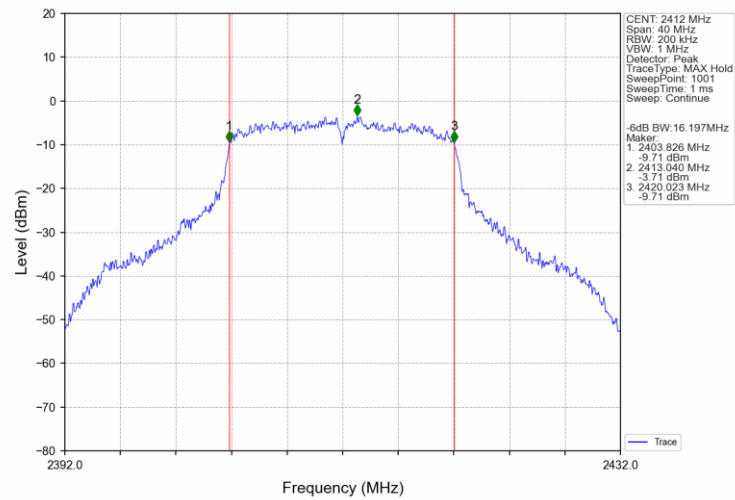
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



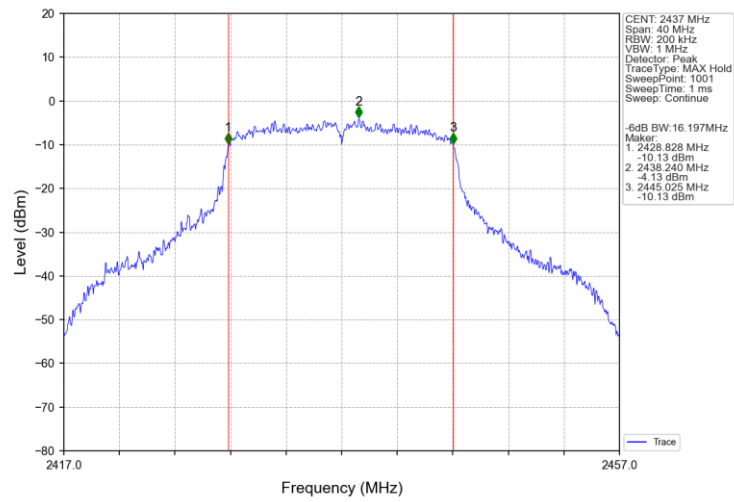
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



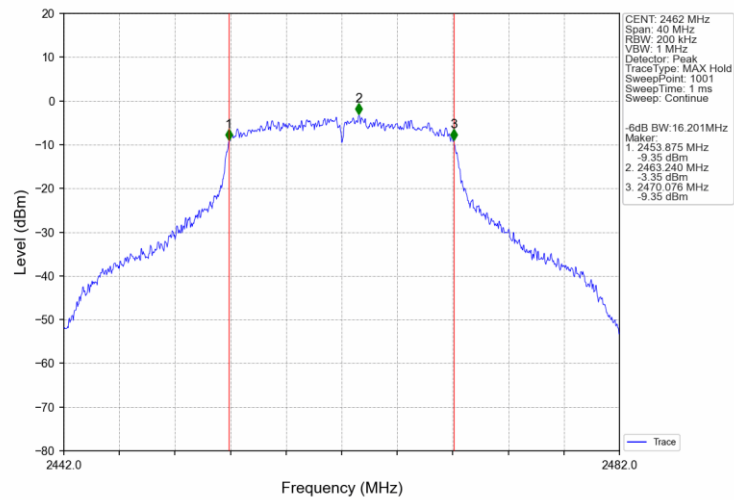
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



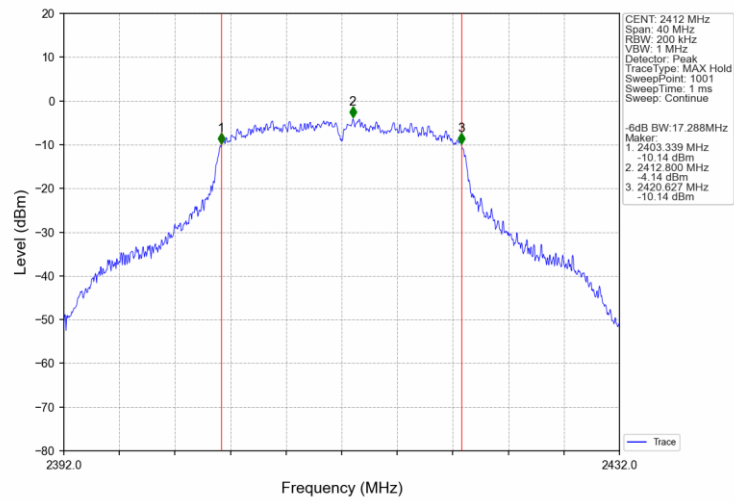
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



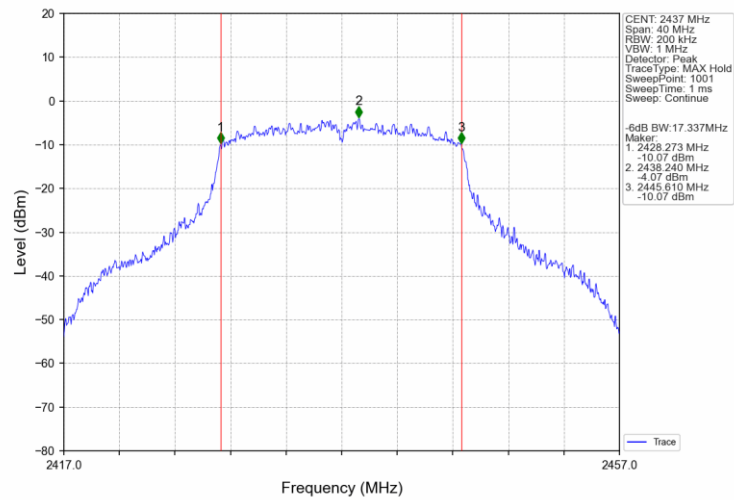
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



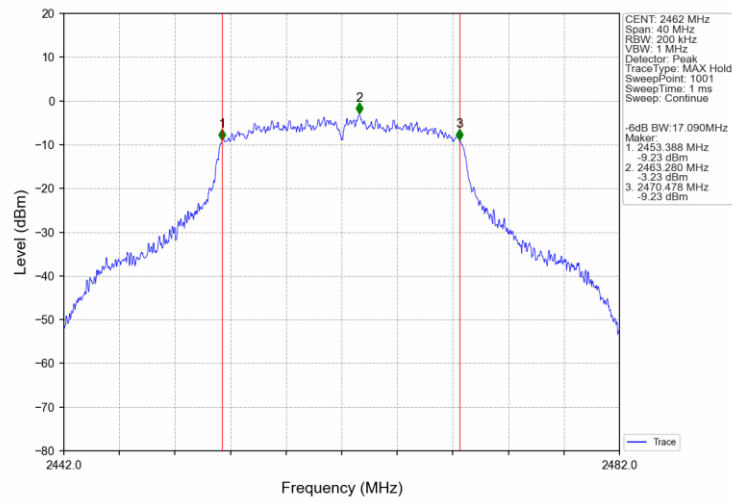
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



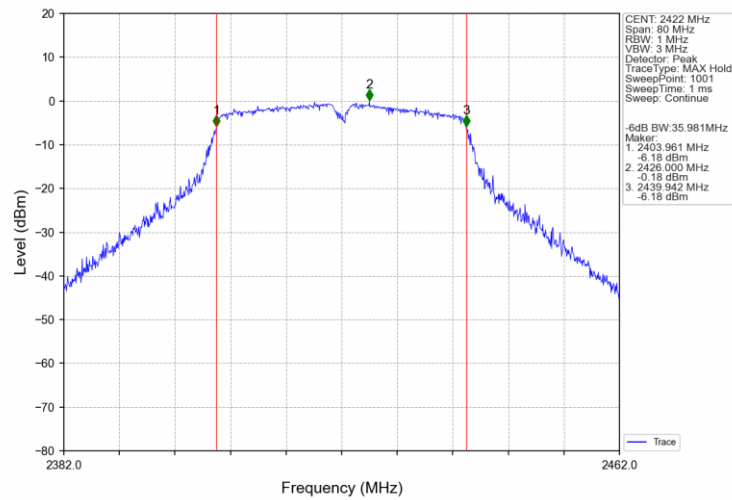
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



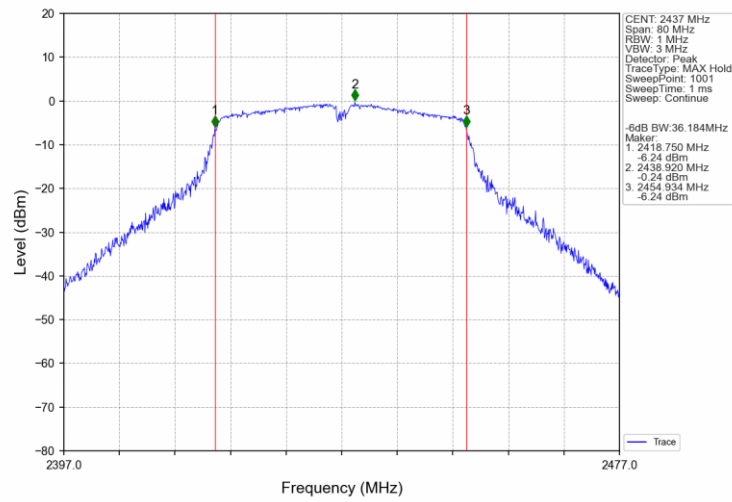
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



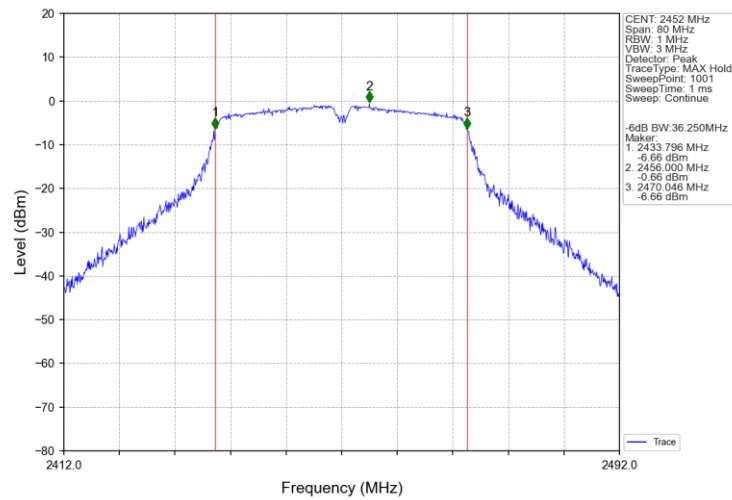
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



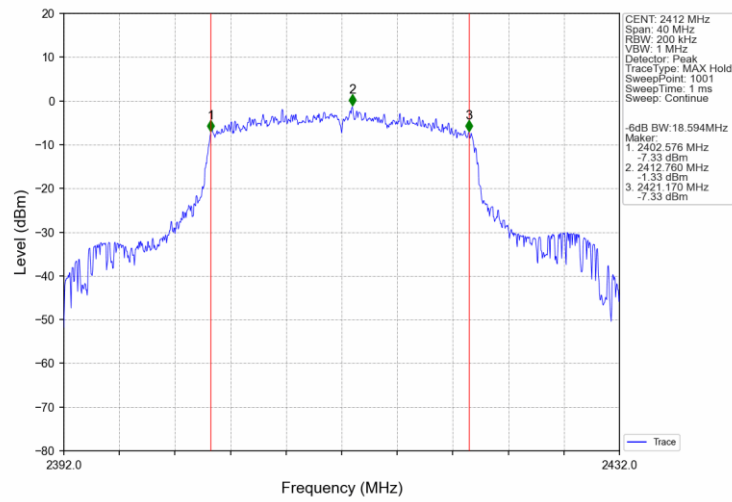
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



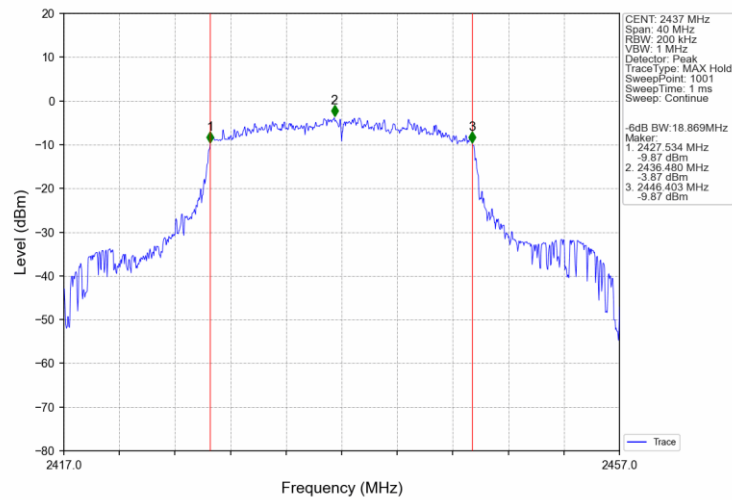
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



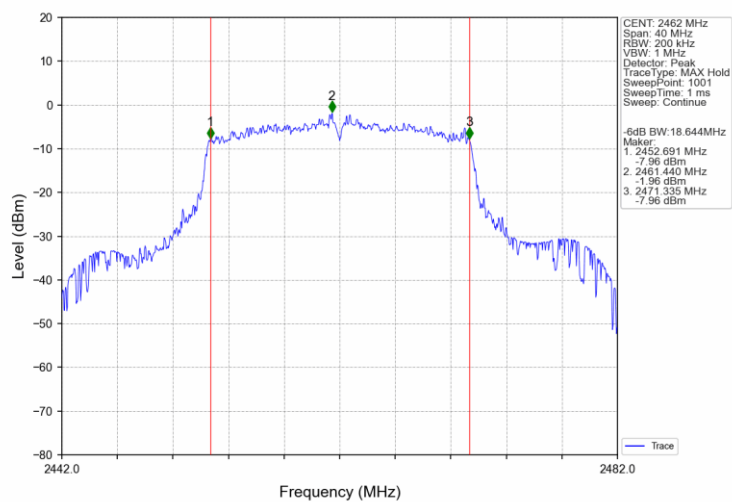
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (SISO)_NTNV



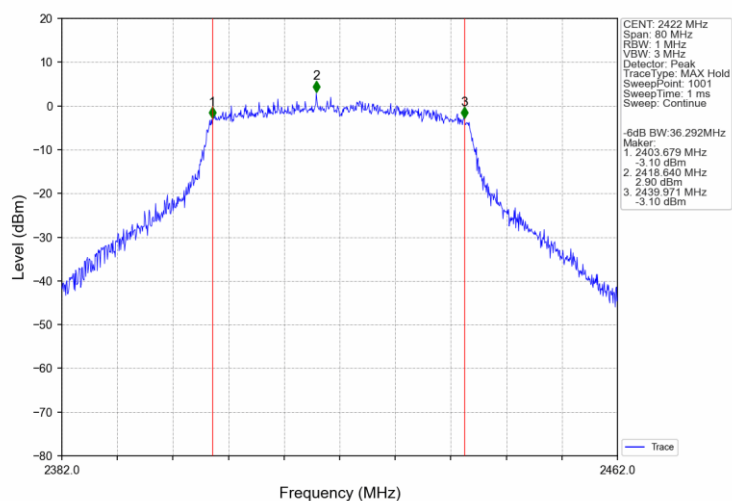
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



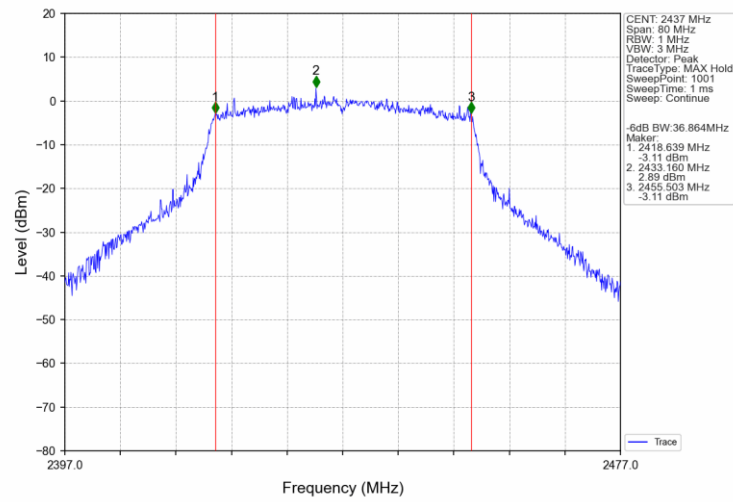
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (SISO)_NTNV



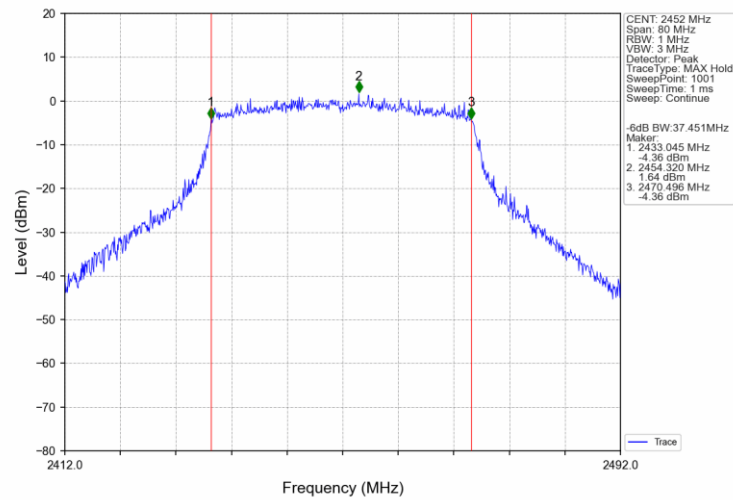
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (SISO)_NTNV



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



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



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

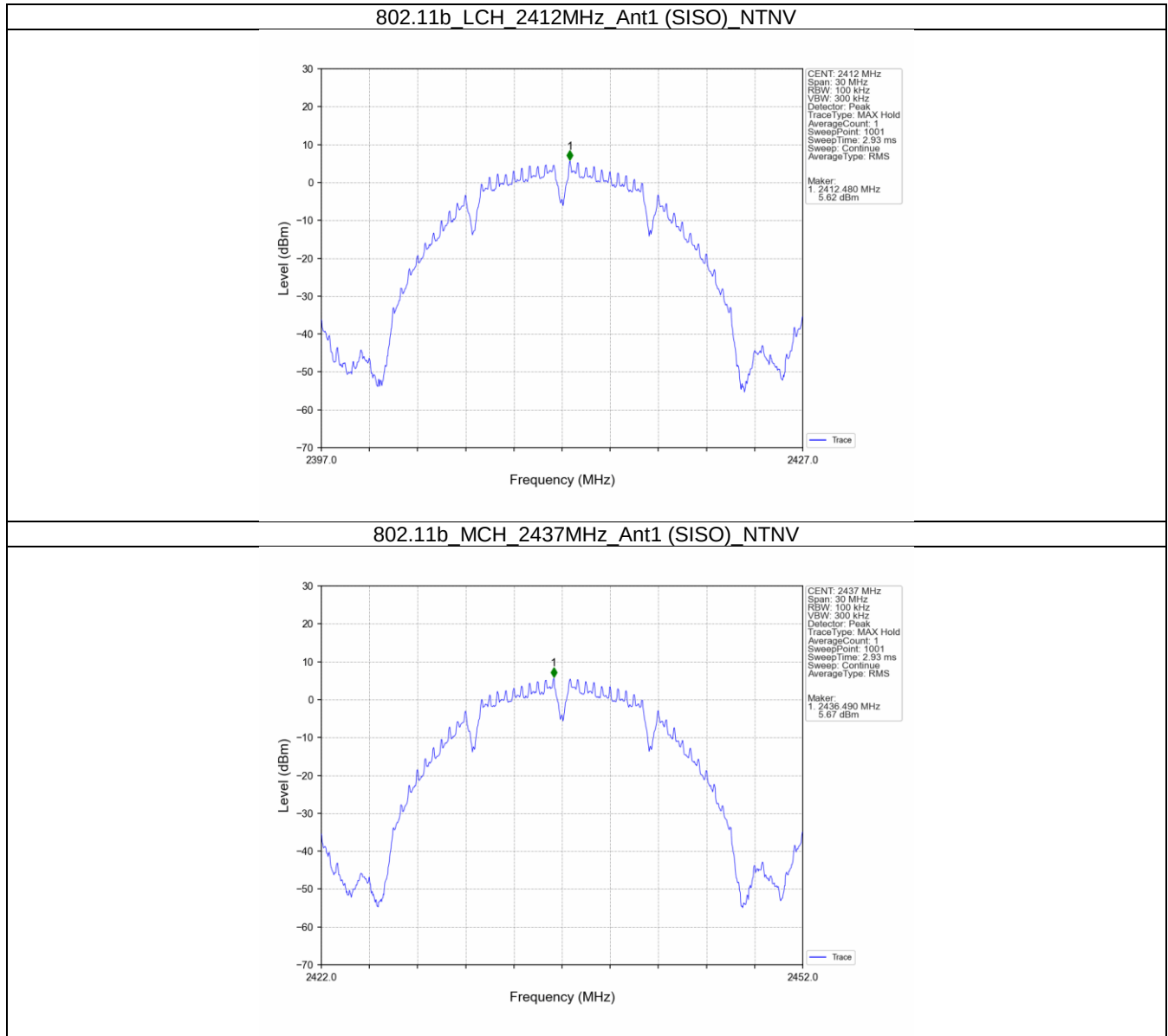
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	16.49	<=30	Pass
		2437	/	/	16.85	<=30	Pass
		2462	/	/	15.99	<=30	Pass
802.11g	SISO	2412	/	/	13.44	<=30	Pass
		2437	/	/	13.12	<=30	Pass
		2462	/	/	13.88	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	13.19	<=30	Pass
		2437	/	/	13.00	<=30	Pass
		2462	/	/	13.72	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	13.03	<=30	Pass
		2437	/	/	12.95	<=30	Pass
		2452	/	/	12.81	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	15.53	<=30	Pass
		2437	SU	/	14.00	<=30	Pass
		2462	SU	/	14.69	<=30	Pass
802.11ax (HEW40)	SISO	2422	SU	/	14.00	<=30	Pass
		2437	SU	/	13.83	<=30	Pass
		2452	SU	/	13.68	<=30	Pass

Note1: Antenna Gain: Ant1: 3.25dBi;

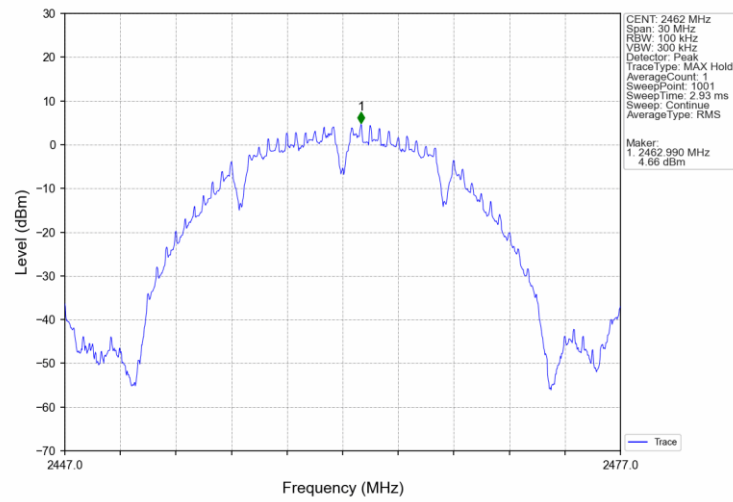
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm)		Verdict
					ANT1	Limit(dBm/3kHz)	
802.11b	SISO	2412	/	/	5.62dBm/100kHz	<=8	Pass
		2437	/	/	5.67dBm/100kHz	<=8	Pass
		2462	/	/	4.66dBm/100kHz	<=8	Pass
802.11g	SISO	2412	/	/	-5.56dBm/100kHz	<=8	Pass
		2437	/	/	-5.20dBm/100kHz	<=8	Pass
		2462	/	/	-4.05dBm/100kHz	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-4.89dBm/100kHz	<=8	Pass
		2437	/	/	-4.82dBm/100kHz	<=8	Pass
		2462	/	/	-4.68dBm/100kHz	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-8.19dBm/100kHz	<=8	Pass
		2437	/	/	-8.08dBm/100kHz	<=8	Pass
		2452	/	/	-8.52dBm/100kHz	<=8	Pass
802.11ax (HEW20)	SISO	2412	SU	/	-4.53dBm/100kHz	<=8	Pass
		2437	SU	/	-5.34dBm/100kHz	<=8	Pass
		2462	SU	/	-3.96dBm/100kHz	<=8	Pass
802.11ax (HEW40)	SISO	2422	SU	/	-8.02dBm/100kHz	<=8	Pass
		2437	SU	/	-8.07dBm/100kHz	<=8	Pass
		2452	SU	/	-8.43dBm/100kHz	<=8	Pass
Note1: Antenna Gain: Ant1: 3.25dBi:							

4.2 Test Graph

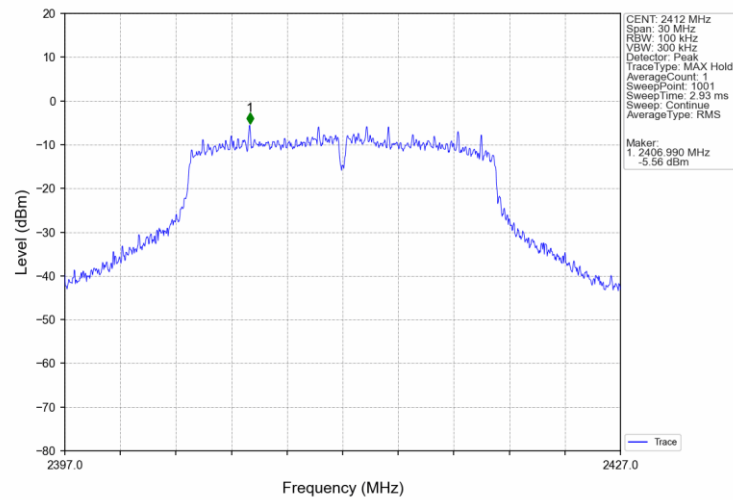
4.2.1 PSD



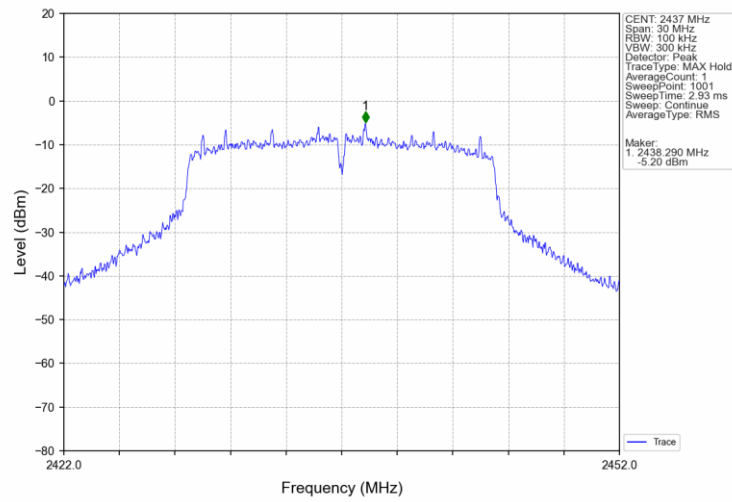
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



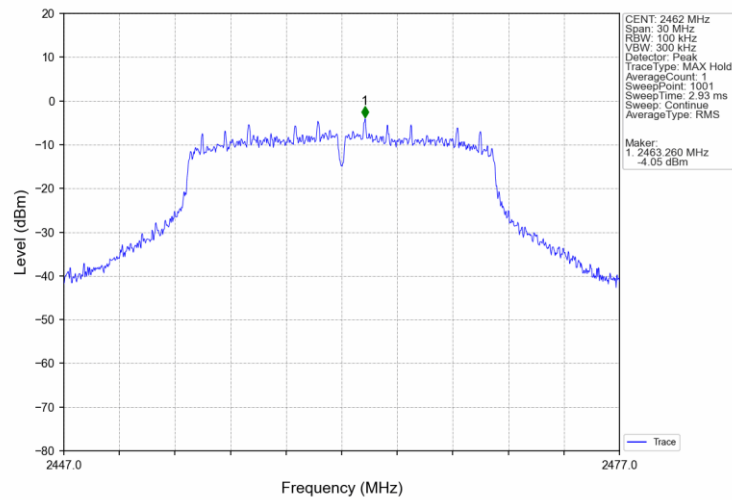
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



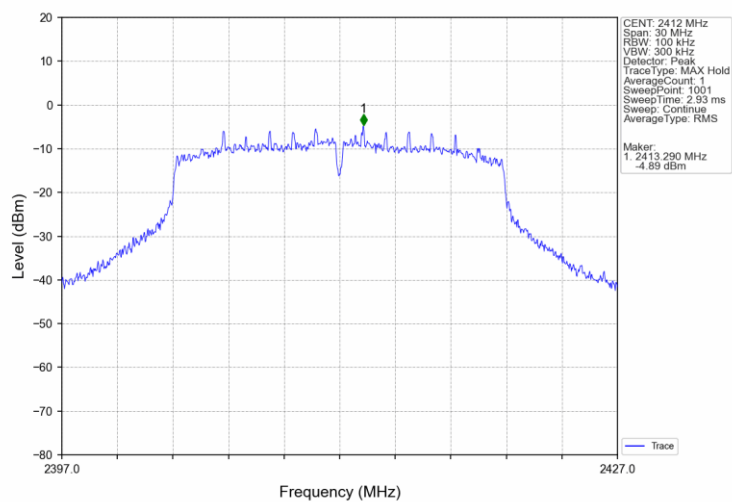
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



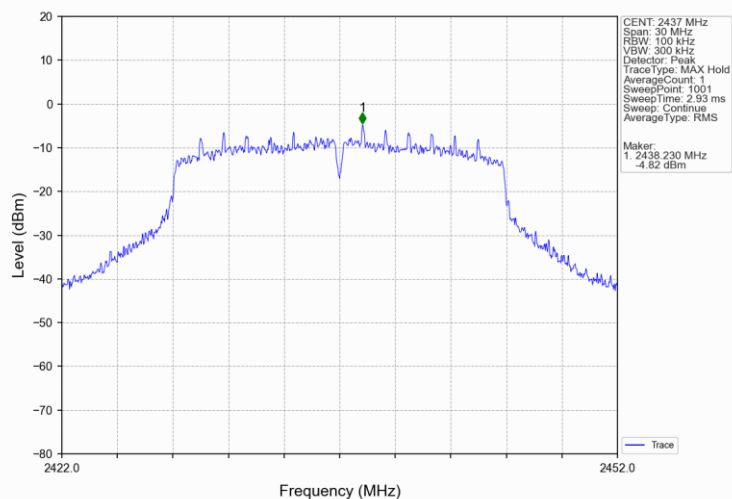
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



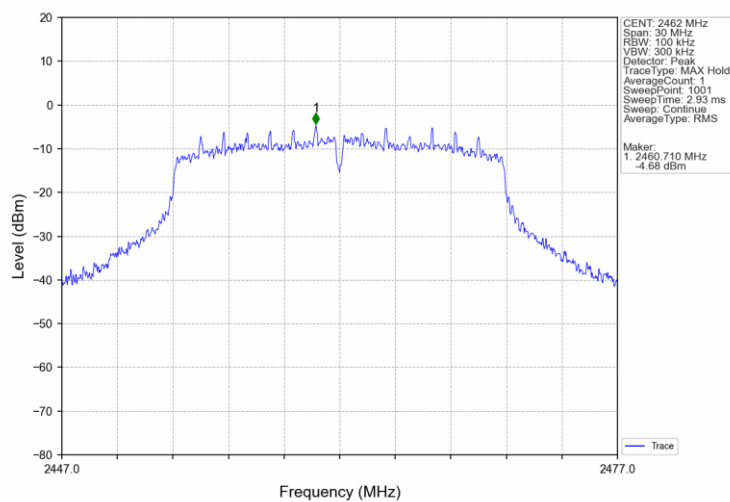
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



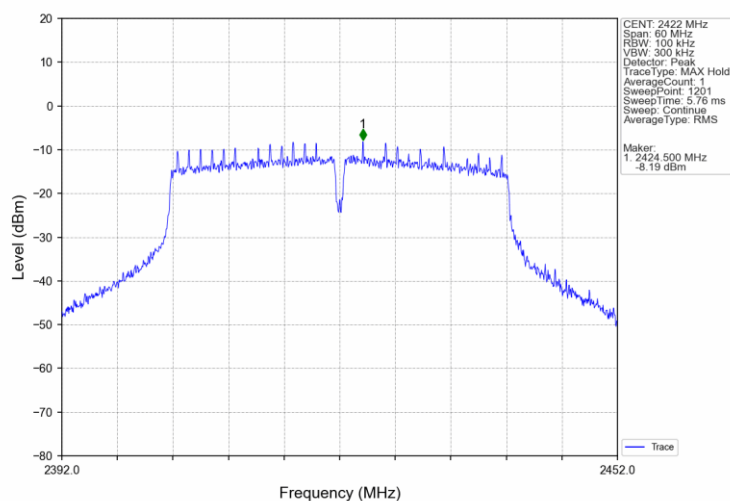
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



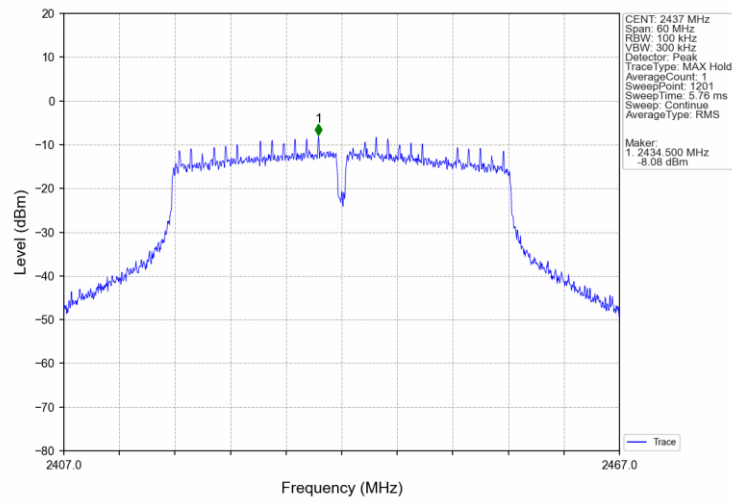
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



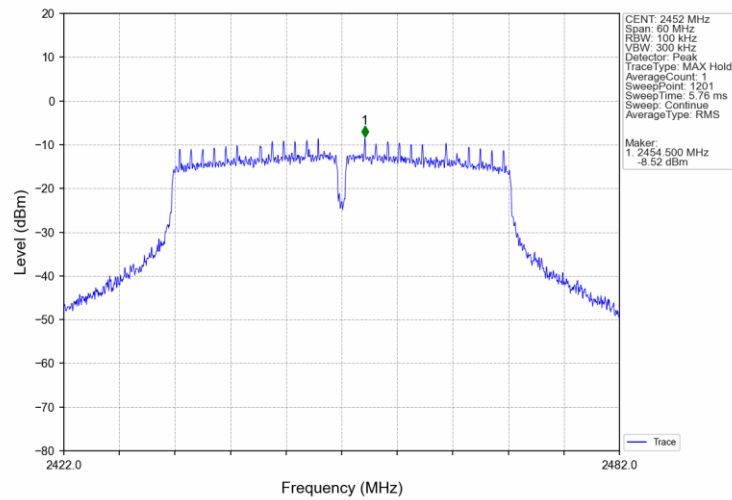
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



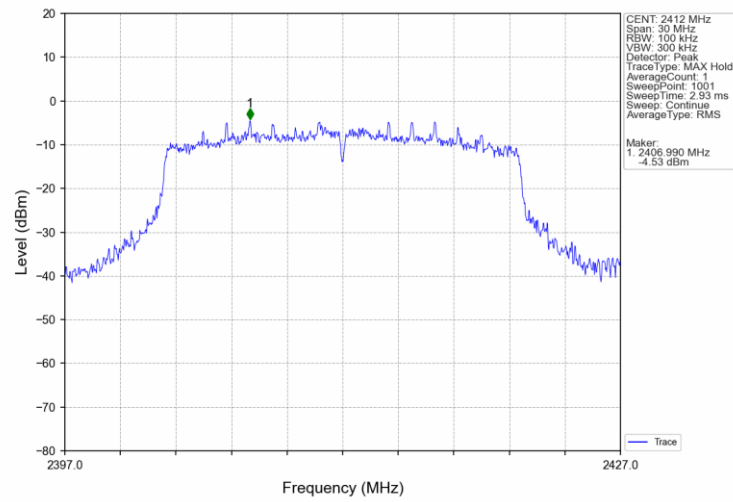
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



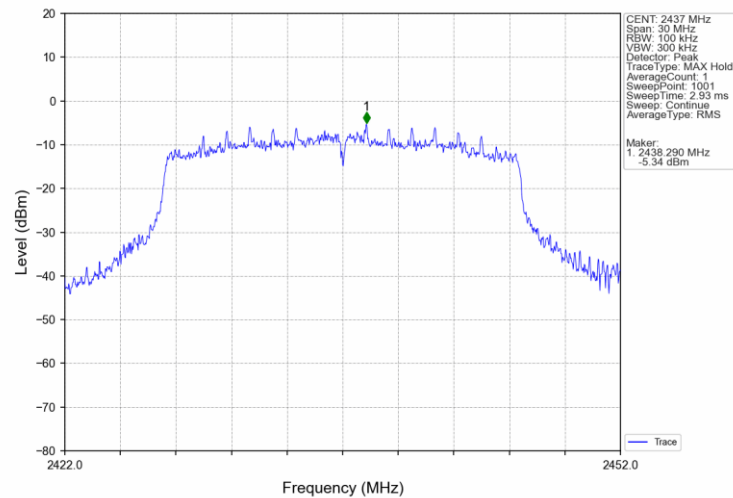
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



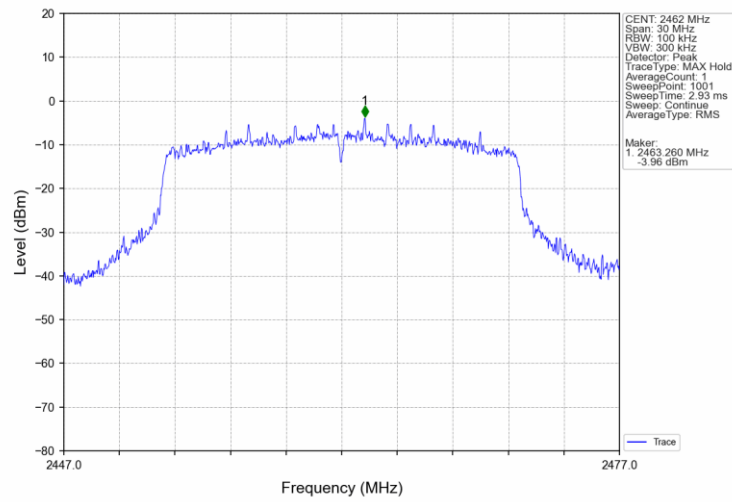
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (SISO)_NTNV



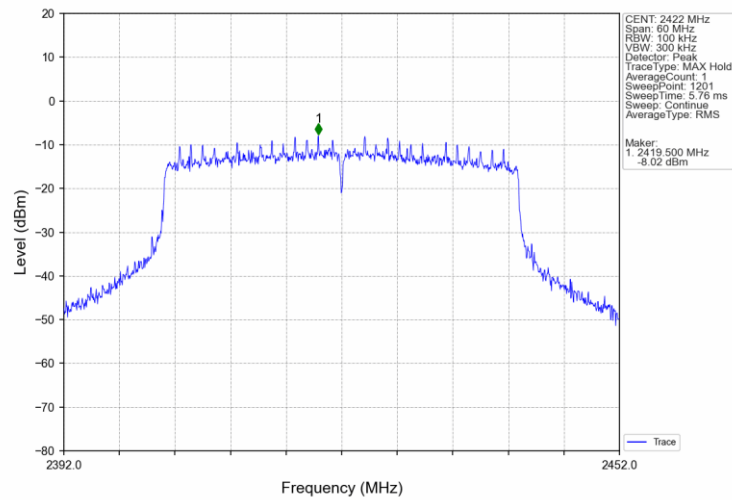
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



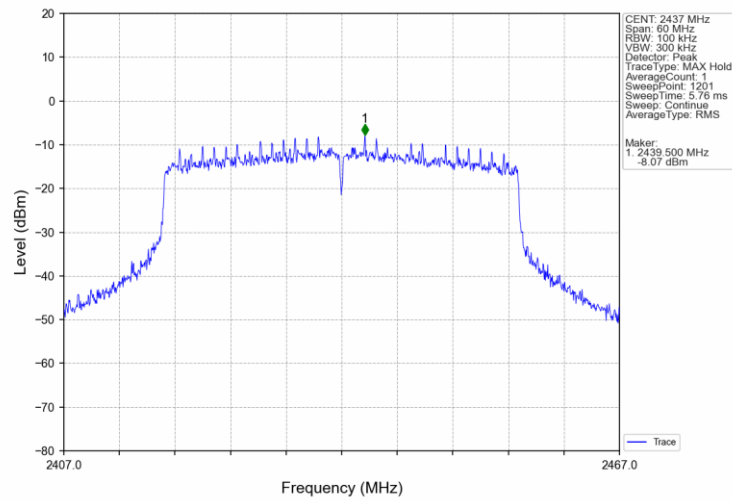
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (SISO)_NTNV



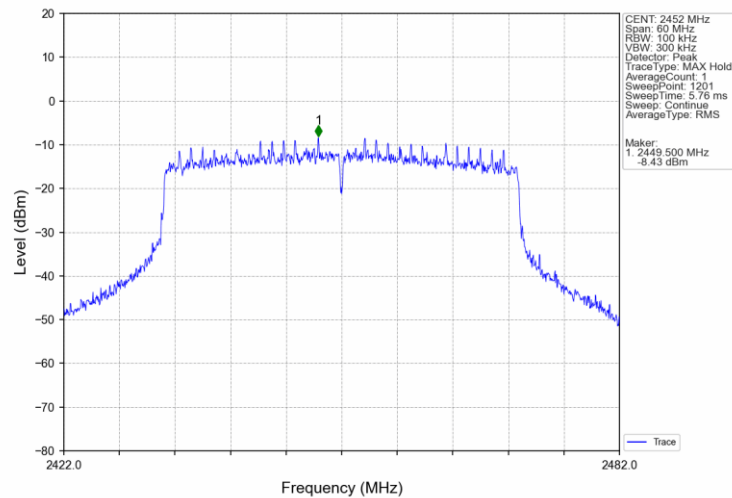
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (SISO)_NTNV



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



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



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

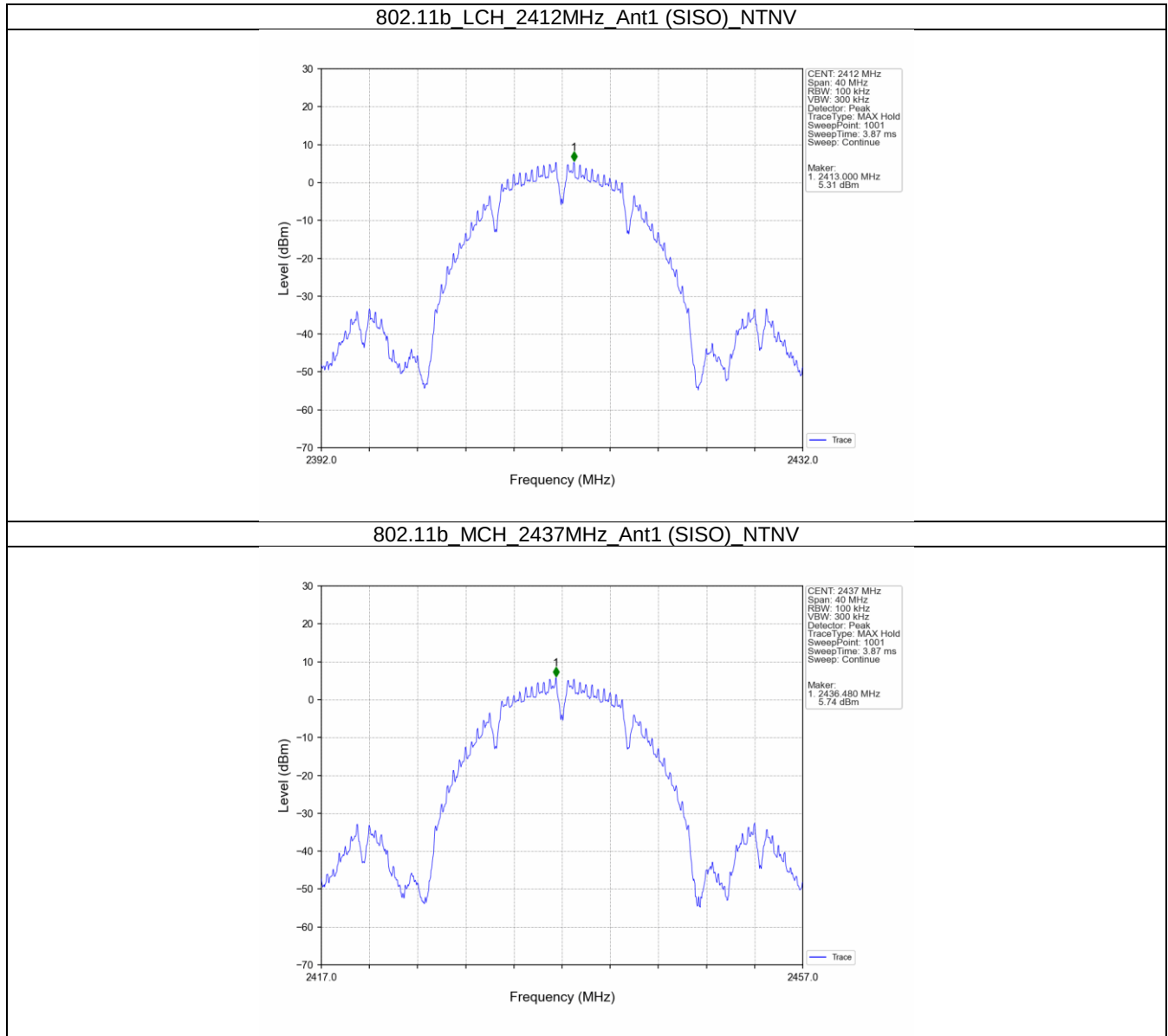
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	5.31
		2437	/	/	1	5.74
		2462	/	/	1	6.72
802.11g	SISO	2412	/	/	1	-4.47
		2437	/	/	1	-5.42
		2462	/	/	1	-4.50
802.11n (HT20)	SISO	2412	/	/	1	-5.02
		2437	/	/	1	-4.71
		2462	/	/	1	-4.85
802.11n (HT40)	SISO	2422	/	/	1	-7.92
		2437	/	/	1	-8.05
		2452	/	/	1	-8.52
802.11ax (HEW20)	SISO	2412	SU	/	1	-3.34
		2437	SU	/	1	-4.73
		2462	SU	/	1	-4.20
802.11ax (HEW40)	SISO	2422	SU	/	1	-8.05
		2437	SU	/	1	-8.07
		2452	SU	/	1	-8.48

5.1.2 CSE

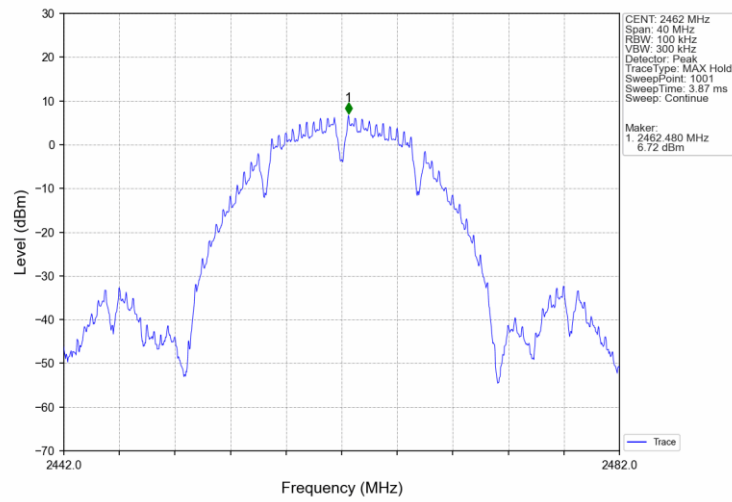
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.31	-14.69	Pass
		2437	/	/	1	5.74	-14.26	Pass
		2462	/	/	1	6.72	-13.28	Pass
802.11g	SISO	2412	/	/	1	-4.47	-24.47	Pass
		2437	/	/	1	-5.42	-25.42	Pass
		2462	/	/	1	-4.50	-24.50	Pass
802.11n (HT20)	SISO	2412	/	/	1	-5.02	-25.02	Pass
		2437	/	/	1	-4.71	-24.71	Pass
		2462	/	/	1	-4.85	-24.85	Pass
802.11n (HT40)	SISO	2422	/	/	1	-7.92	-27.92	Pass
		2437	/	/	1	-8.05	-28.05	Pass
		2452	/	/	1	-8.52	-28.52	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	-3.34	-23.34	Pass
		2437	SU	/	1	-4.73	-24.73	Pass
		2462	SU	/	1	-4.20	-24.20	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	-8.05	-28.05	Pass
		2437	SU	/	1	-8.07	-28.07	Pass
		2452	SU	/	1	-8.48	-28.48	Pass

5.2 Test Graph

5.2.1 Ref



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

