1. Duty Cycle

1.1 Test Result

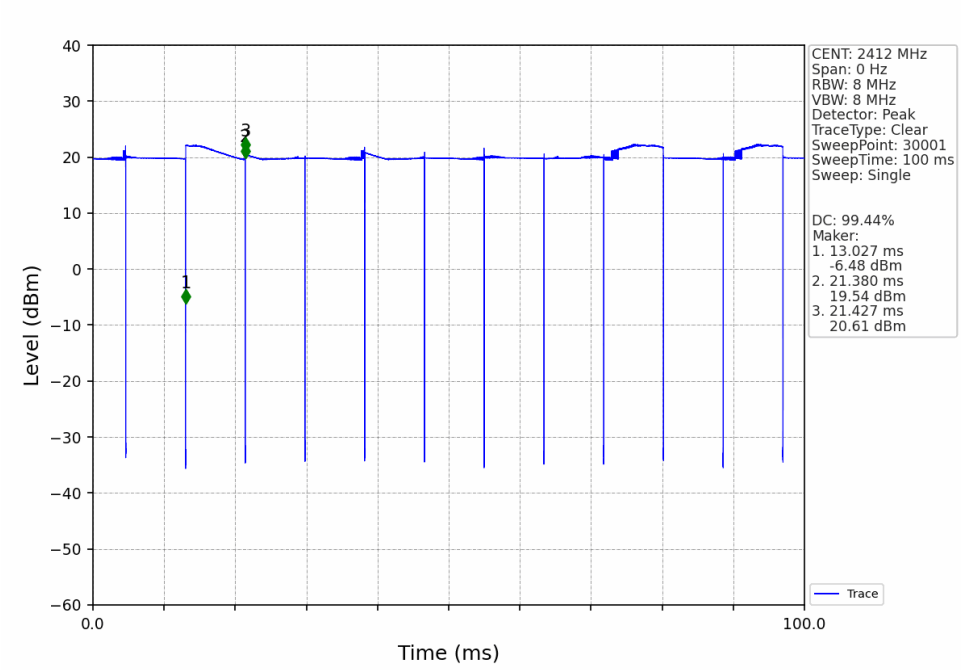
1.1.1 Ant1

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	/	/	8.353	8.400	99.44	0.02	0.04
		2437	/	/	8.353	8.400	99.44	0.02	0.04
		2462	/	/	8.353	8.400	99.44	0.02	0.04
802.11g	SISO	2412	/	/	0.149	0.195	76.41	1.17	0.65
		2437	/	/	0.149	0.196	76.02	1.19	0.63
		2462	/	/	0.149	0.196	76.02	1.19	0.70
802.11n (HT20)	SISO	2412	/	/	0.178	0.224	79.46	1.00	0.13
		2437	/	/	0.177	0.223	79.37	1.00	0.06
		2462	/	/	0.177	0.224	79.02	1.02	0.47
802.11n (HT40)	SISO	2422	/	/	0.181	0.227	79.74	0.98	0.42
		2437	/	/	0.181	0.227	79.74	0.98	0.41
		2452	/	/	0.181	0.227	79.74	0.98	0.32
802.11ax (HEW20)	SISO	2412	SU	/	0.176	0.223	78.92	1.03	0.63
		2437	SU	/	0.178	0.222	80.18	0.96	0.30
		2462	SU	/	0.177	0.223	79.37	1.00	0.88
802.11ax (HEW40)	SISO	2422	SU	/	0.171	0.218	78.44	1.05	0.58
		2437	SU	/	0.171	0.218	78.44	1.05	0.42
		2452	SU	/	0.171	0.218	78.44	1.05	0.51

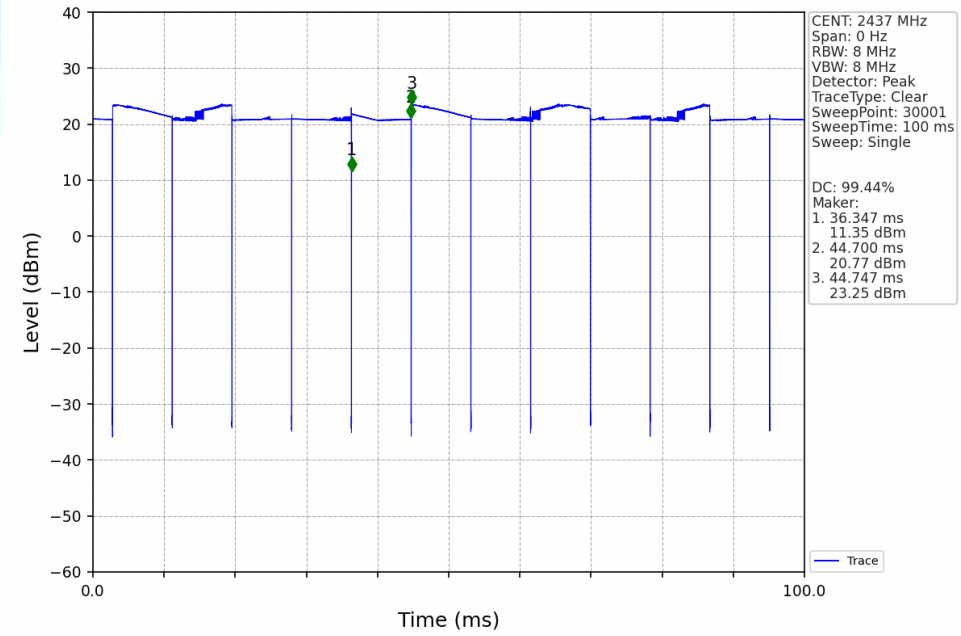
1.2 Test Graph

1.2.1 Ant1

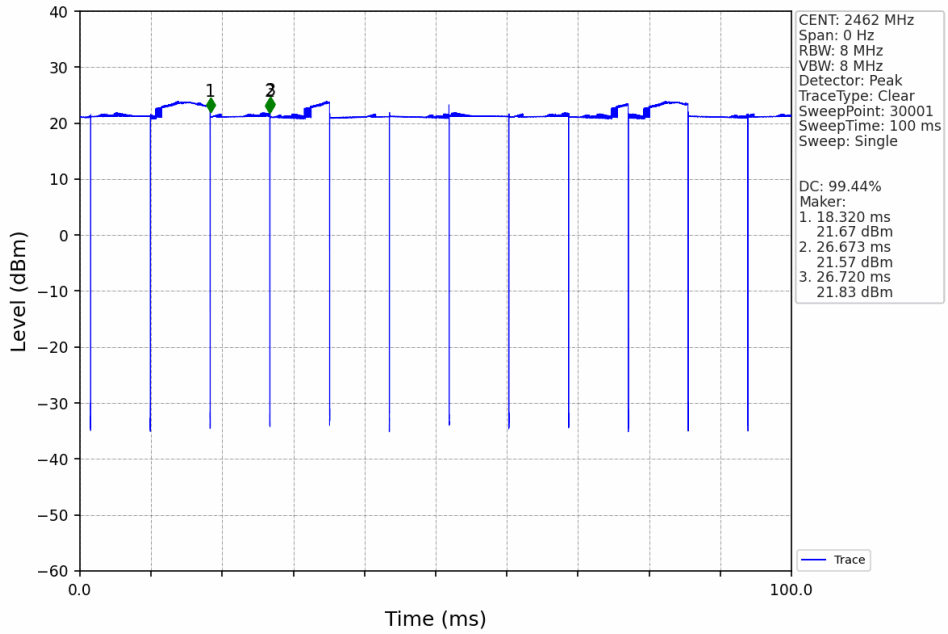
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



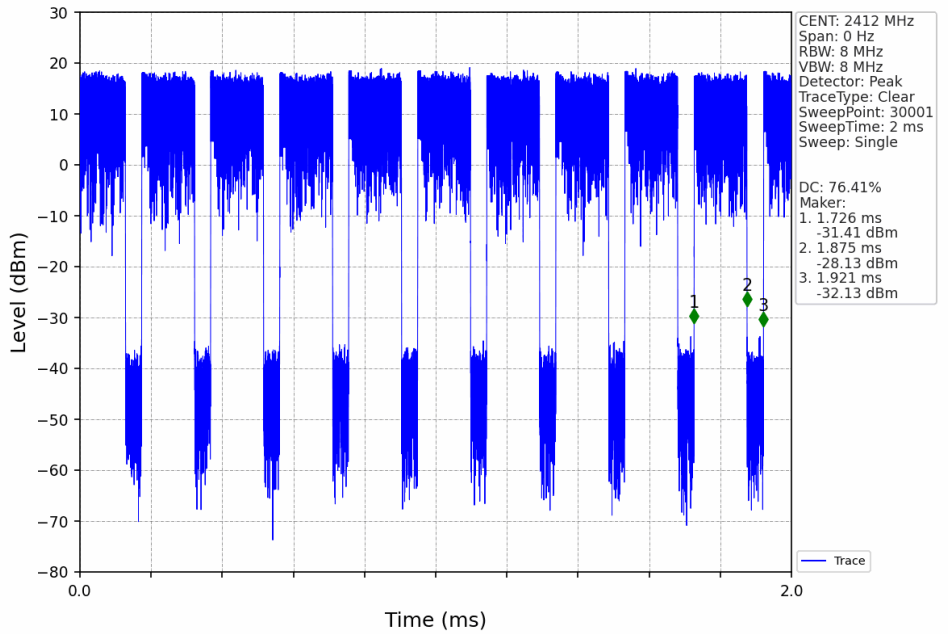
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



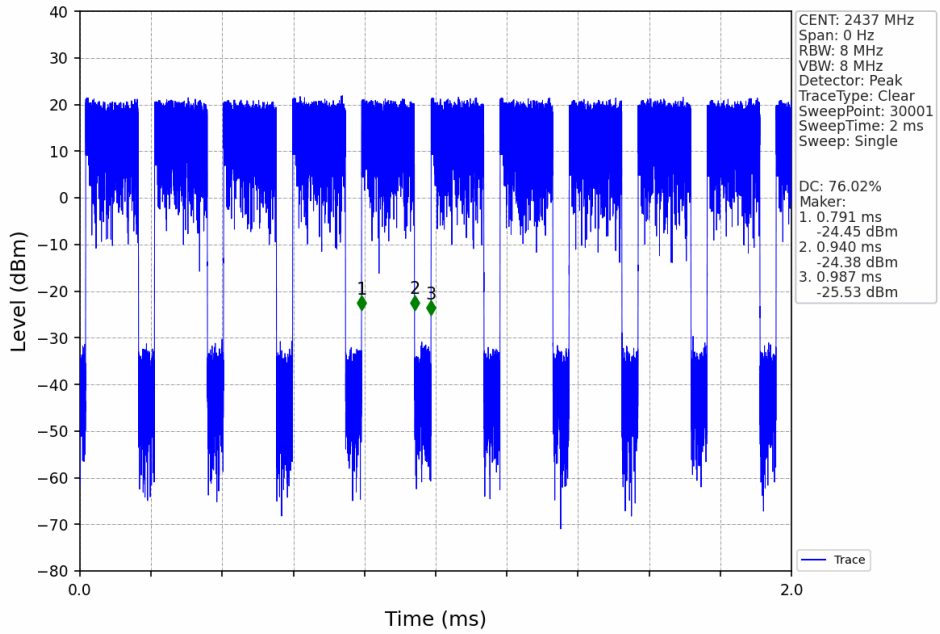
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



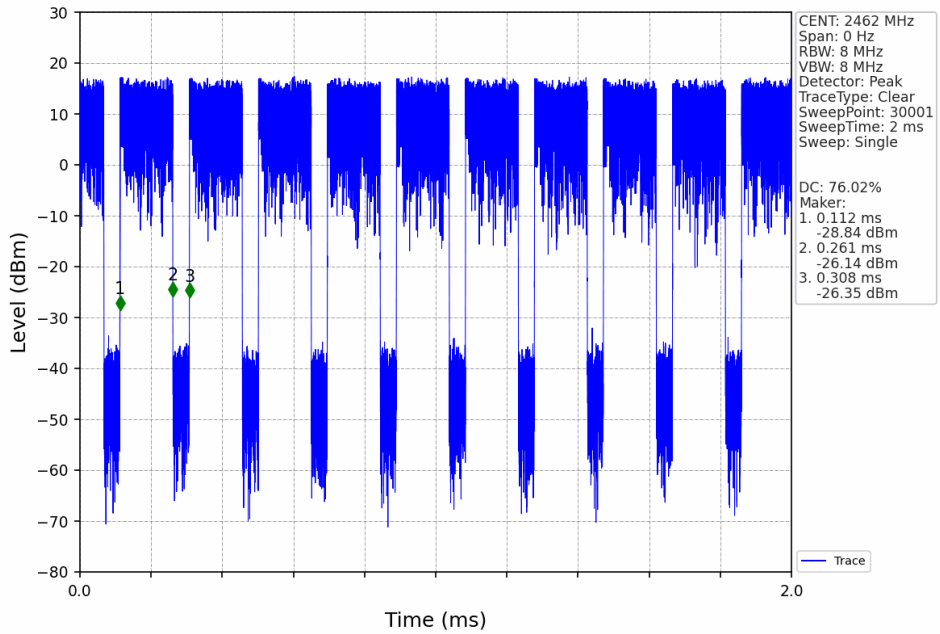
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



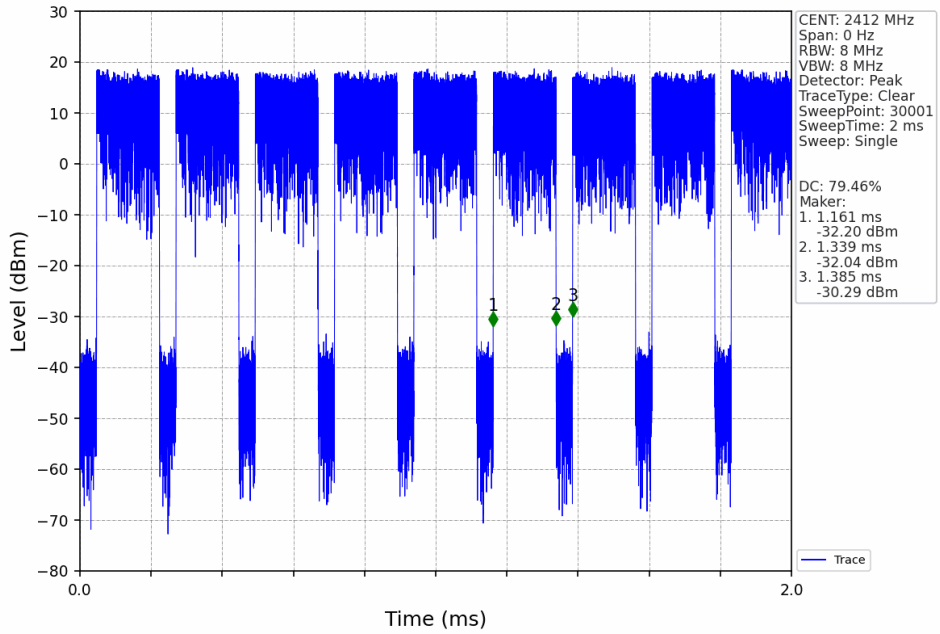
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



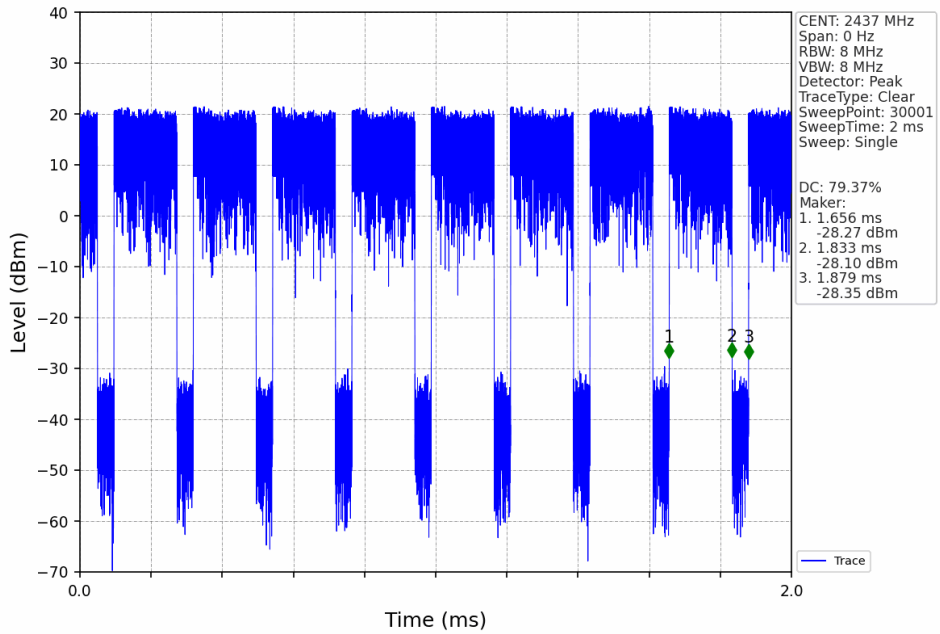
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



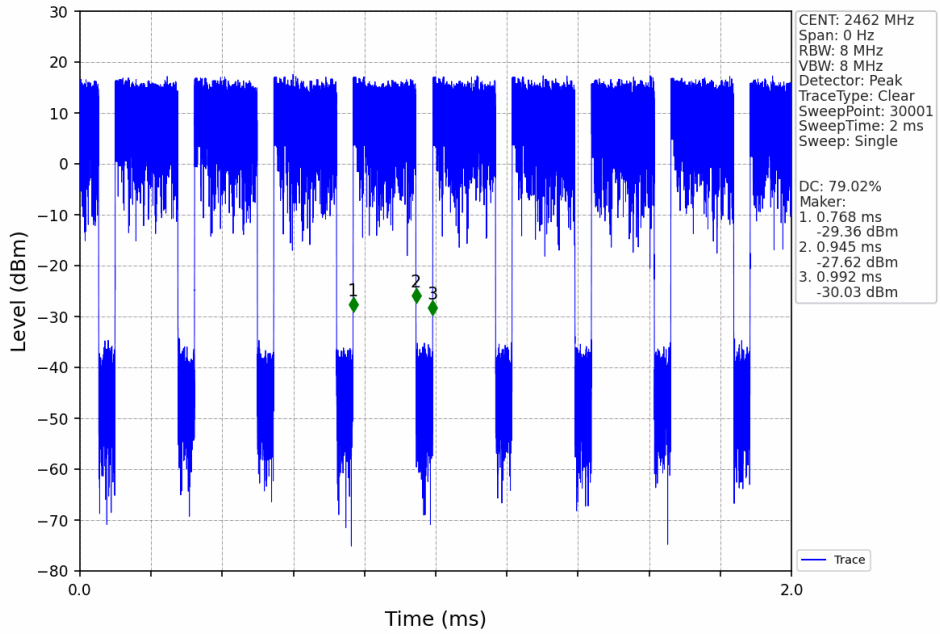
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



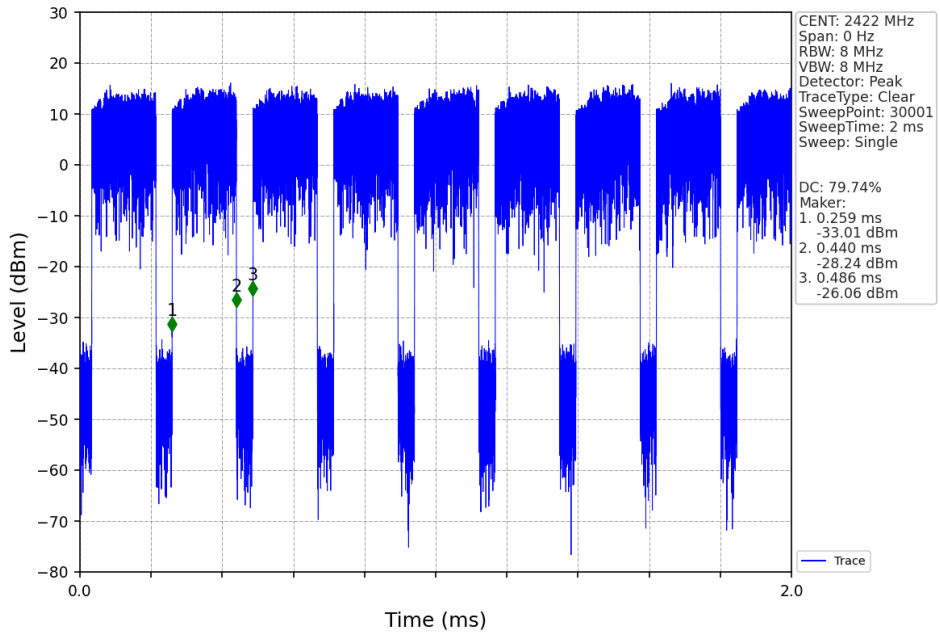
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



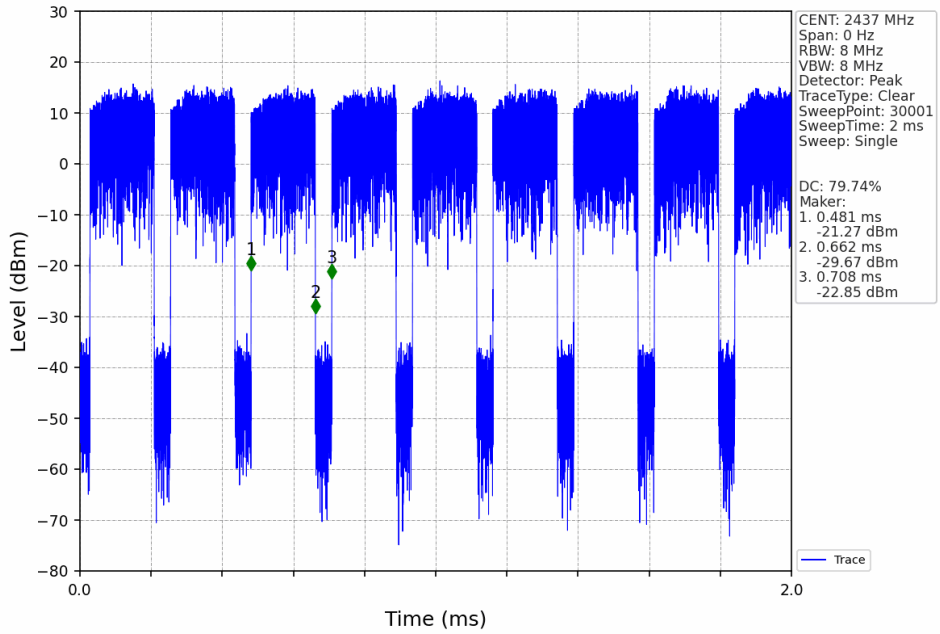
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



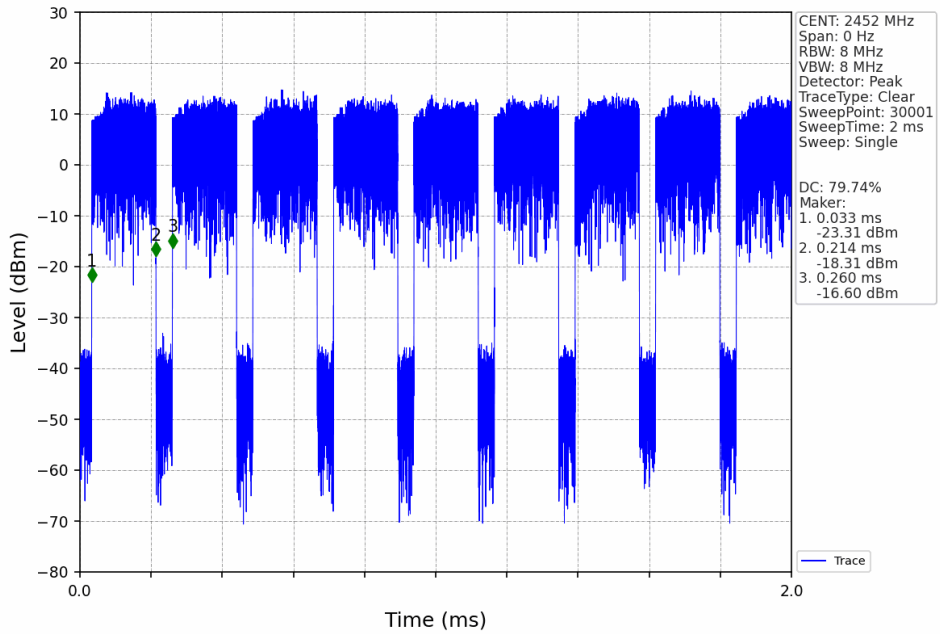
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



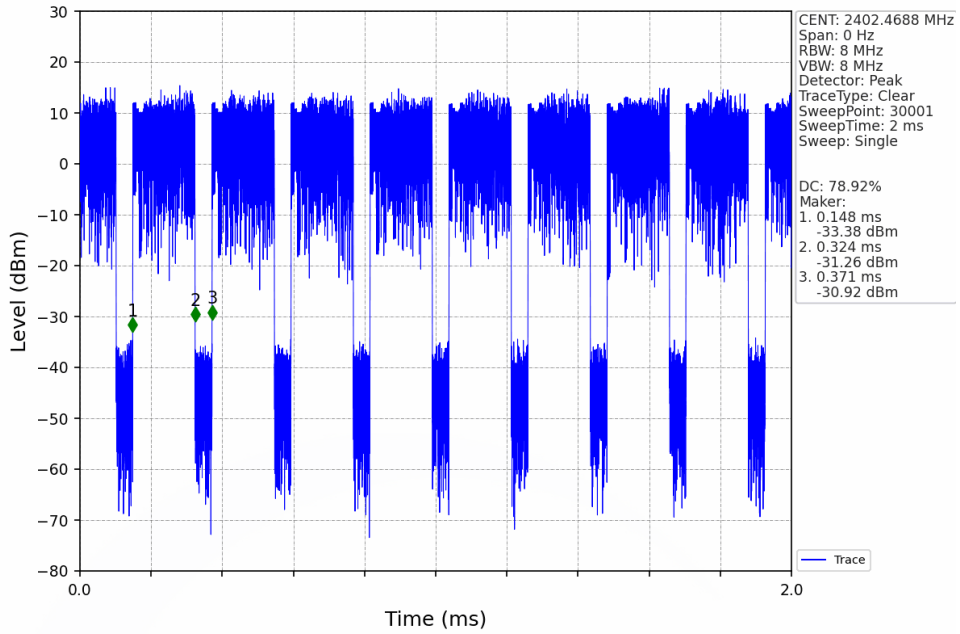
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



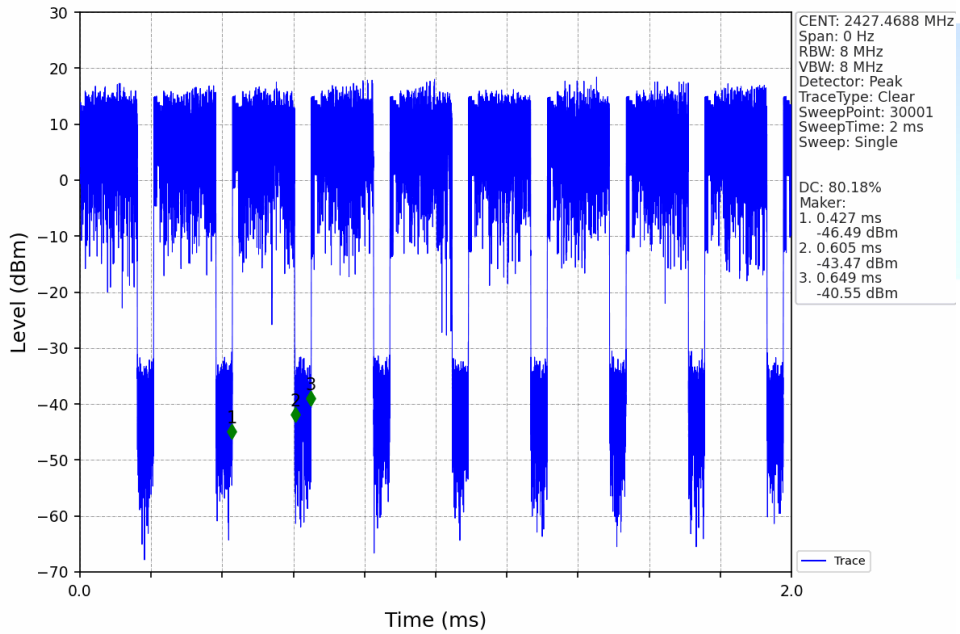
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



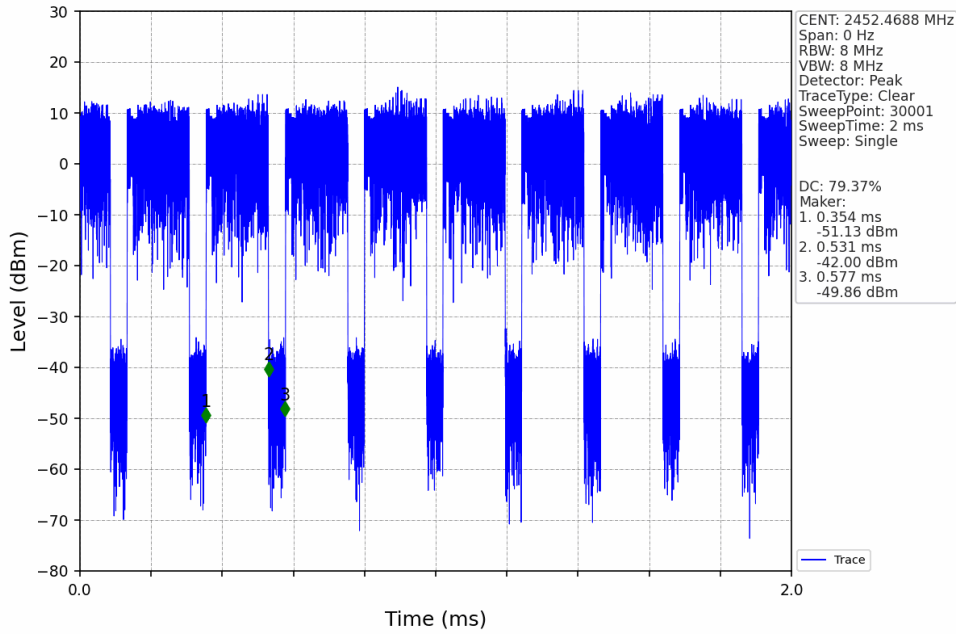
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



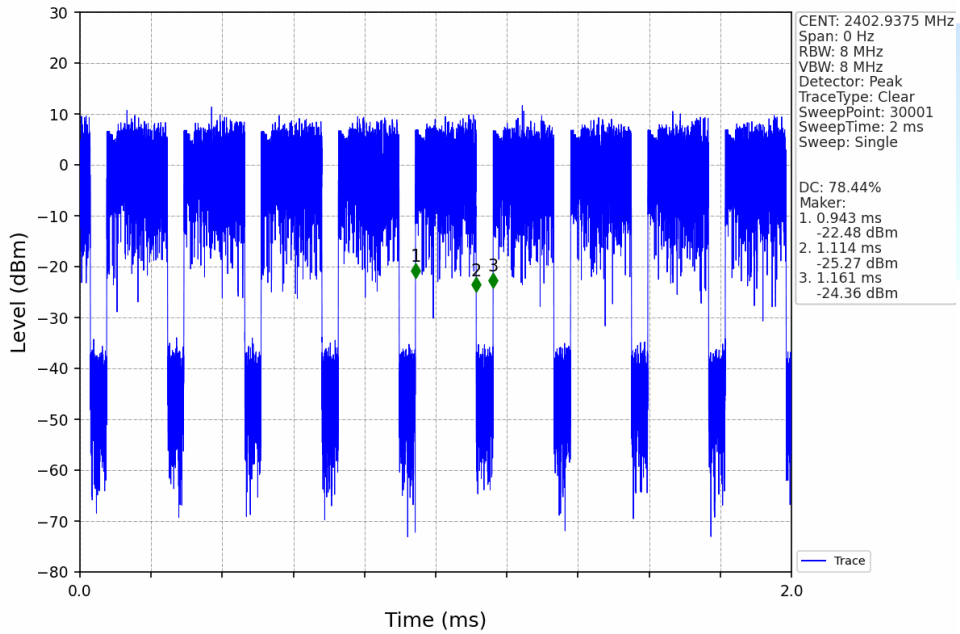
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



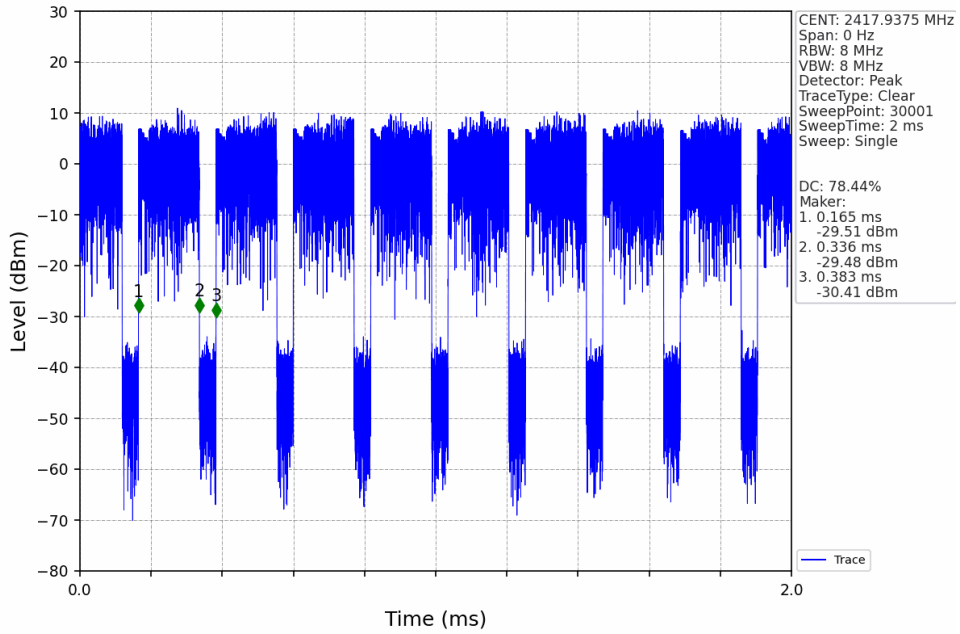
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



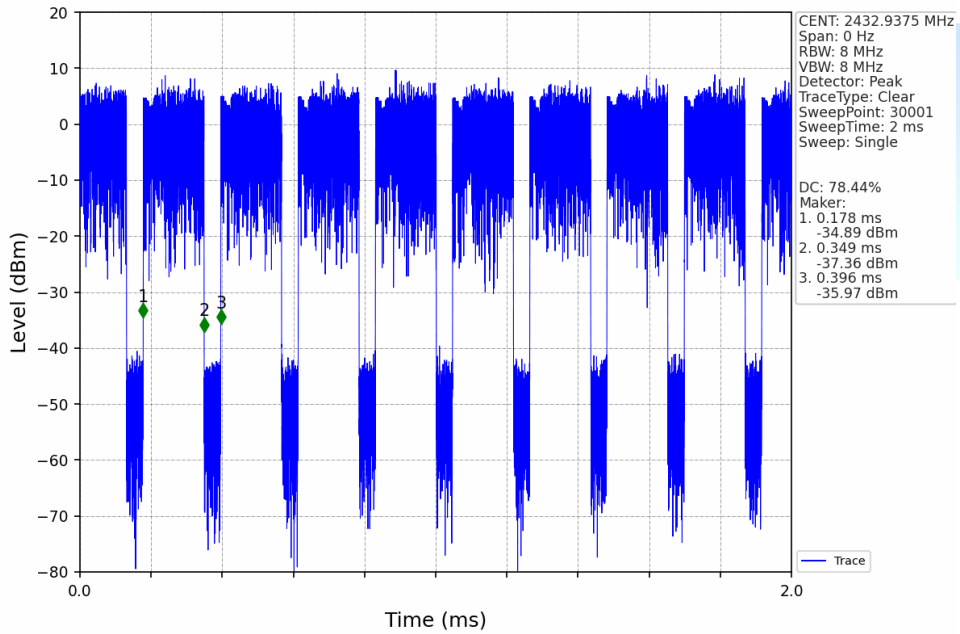
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



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



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



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	13.346	/	Pass
		2437	/	/	1	13.363	/	Pass
		2462	/	/	1	13.637	/	Pass
802.11g	SISO	2412	/	/	1	17.374	/	Pass
		2437	/	/	1	17.629	/	Pass
		2462	/	/	1	17.402	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.445	/	Pass
		2437	/	/	1	18.569	/	Pass
		2462	/	/	1	18.432	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.225	/	Pass
		2437	/	/	1	36.211	/	Pass
		2452	/	/	1	36.234	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.040	/	Pass
		2437	SU	/	1	19.072	/	Pass
		2462	SU	/	1	19.038	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.667	/	Pass
		2437	SU	/	1	37.714	/	Pass
		2452	SU	/	1	37.731	/	Pass

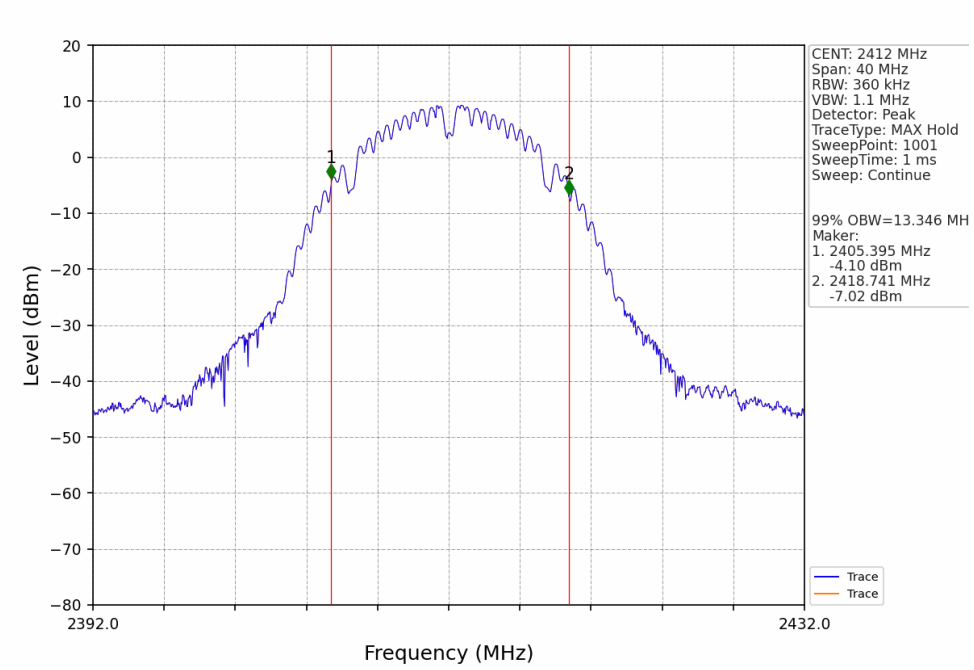
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.066	>=0.5	Pass
		2437	/	/	1	9.079	>=0.5	Pass
		2462	/	/	1	9.081	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.159	>=0.5	Pass
		2437	/	/	1	15.160	>=0.5	Pass
		2462	/	/	1	15.162	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	15.158	>=0.5	Pass
		2437	/	/	1	15.163	>=0.5	Pass
		2462	/	/	1	15.163	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.115	>=0.5	Pass
		2437	/	/	1	35.122	>=0.5	Pass
		2452	/	/	1	35.119	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	15.316	>=0.5	Pass
		2437	SU	/	1	16.110	>=0.5	Pass
		2462	SU	/	1	17.379	>=0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	35.122	>=0.5	Pass
		2437	SU	/	1	35.127	>=0.5	Pass
		2452	SU	/	1	35.126	>=0.5	Pass

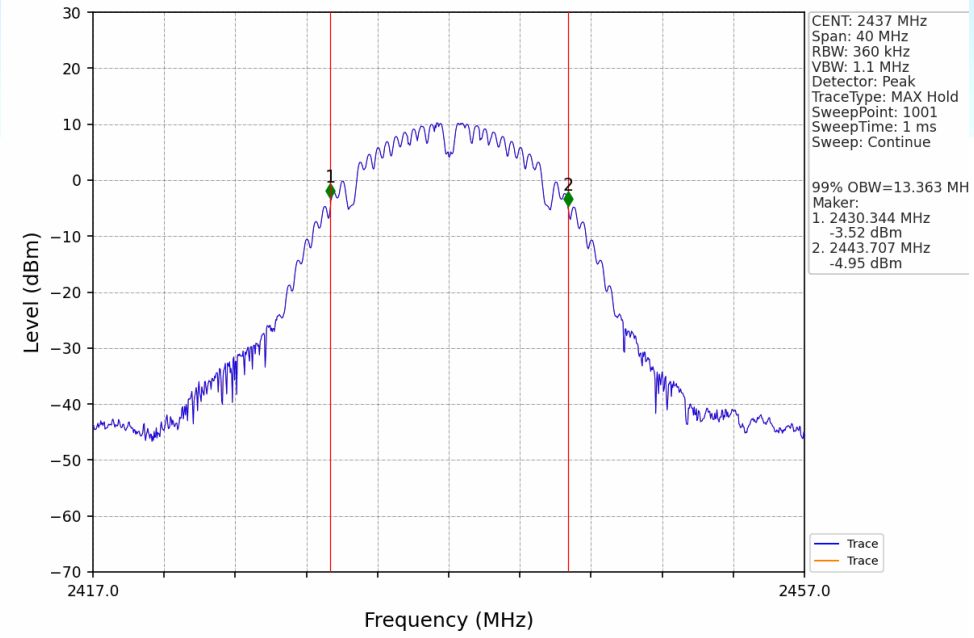
2.2 Test Graph

2.2.1 OBW

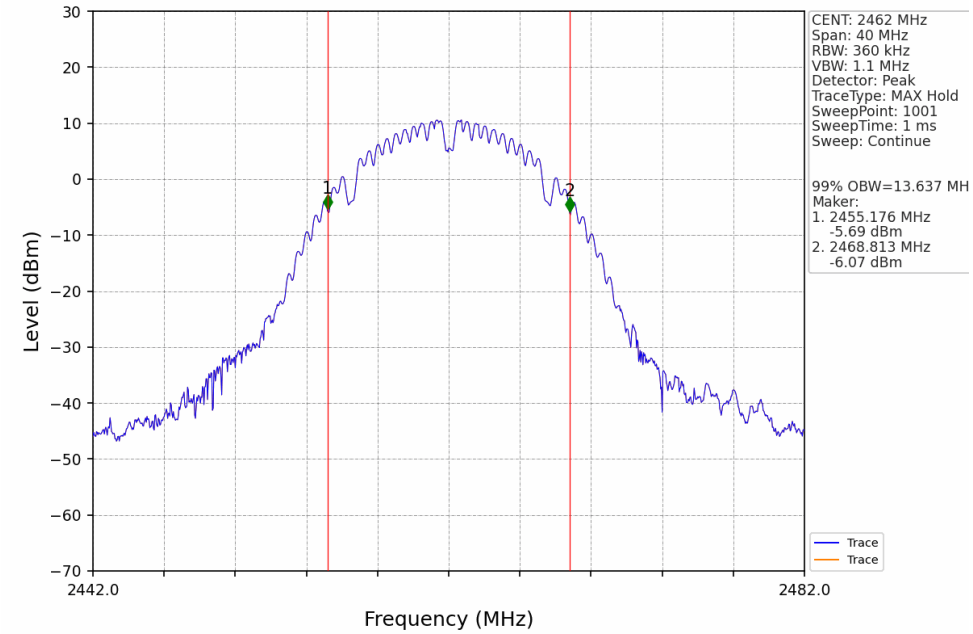
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



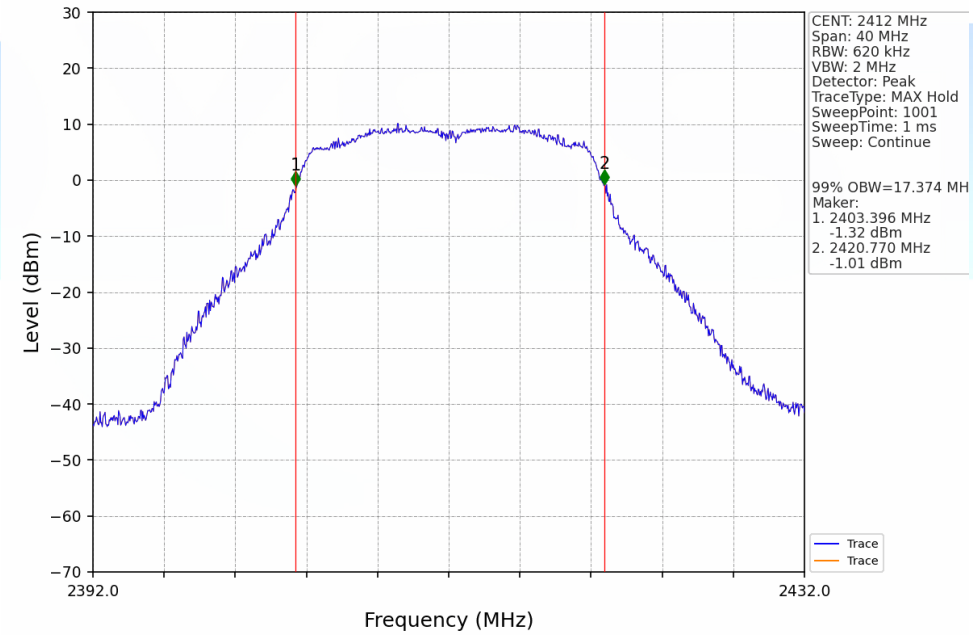
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



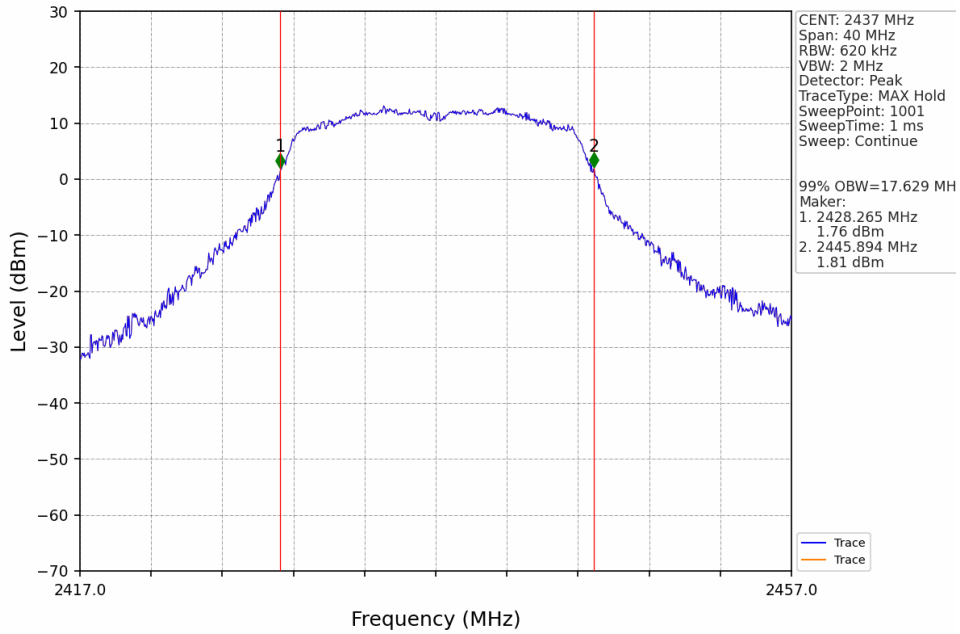
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



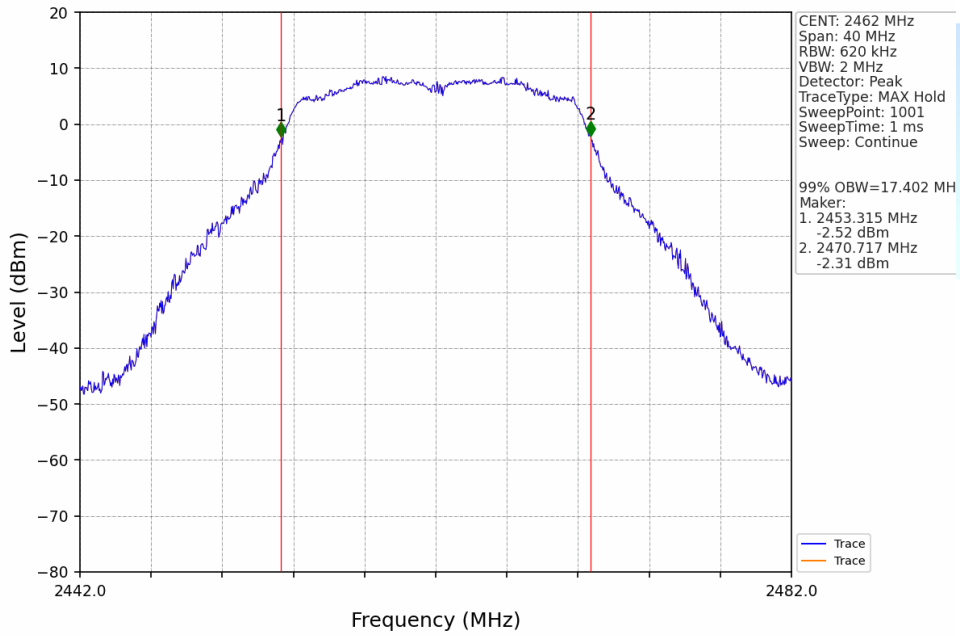
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



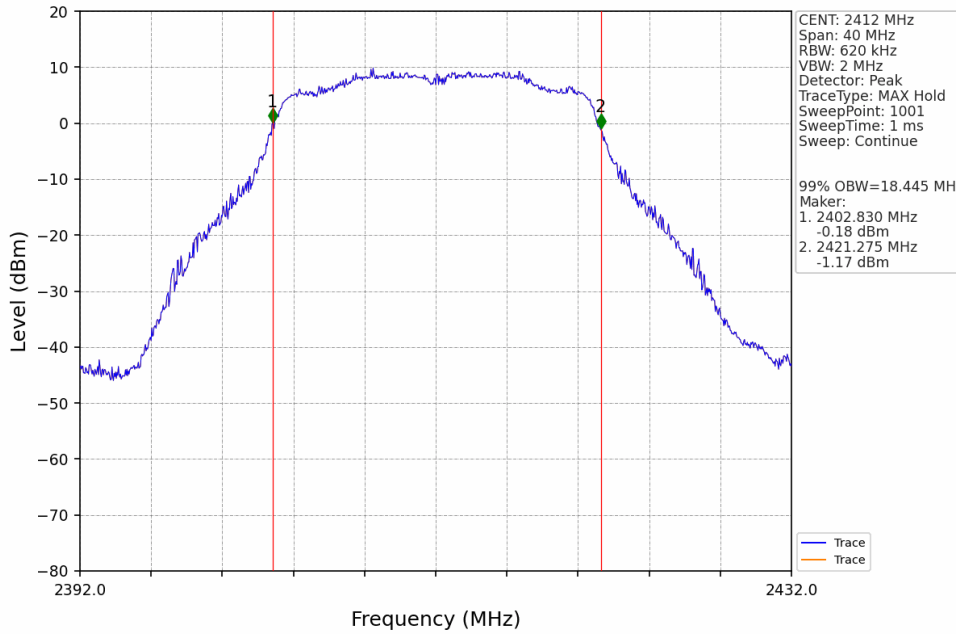
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



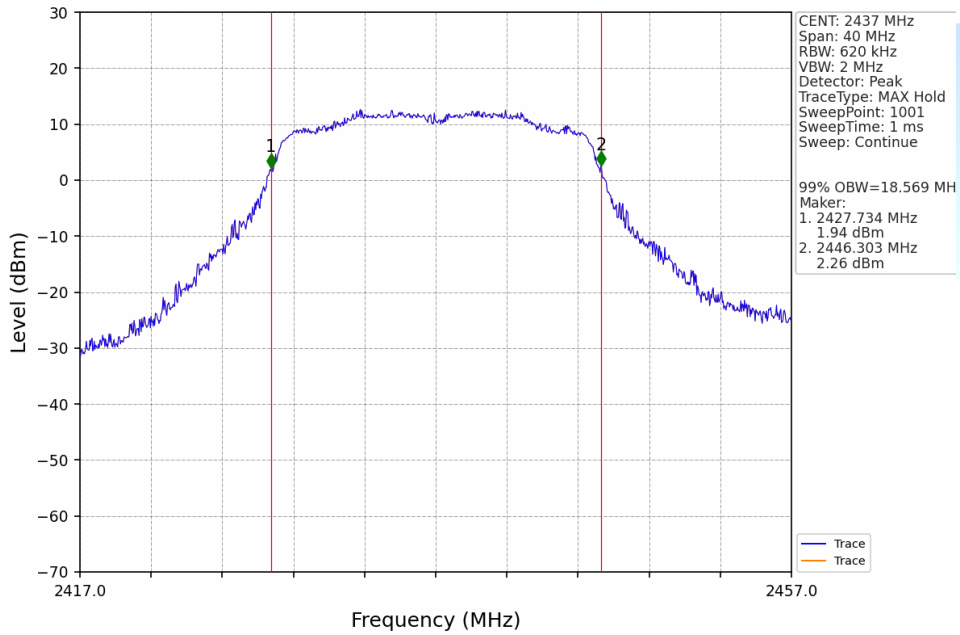
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



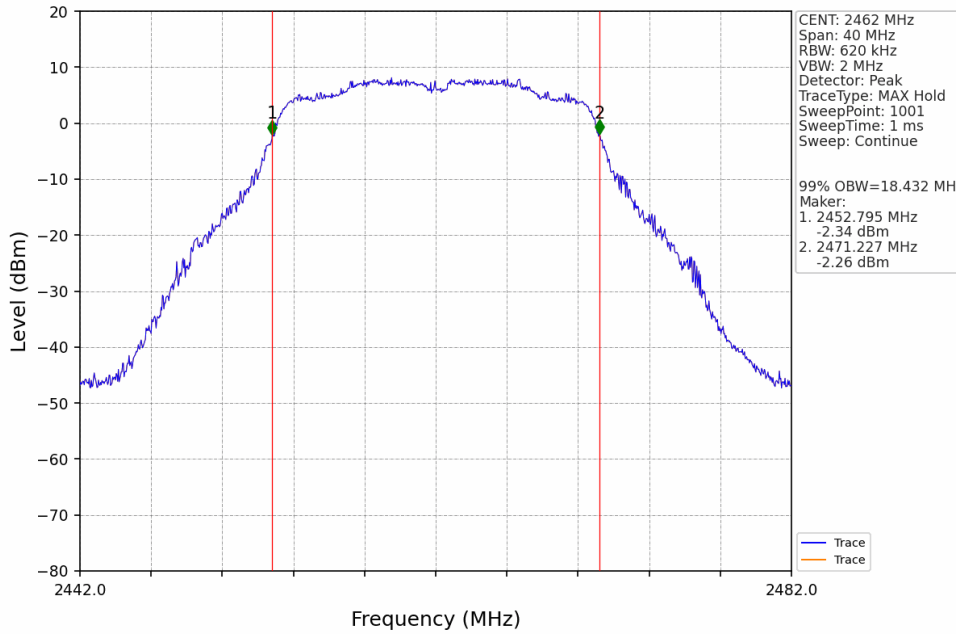
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



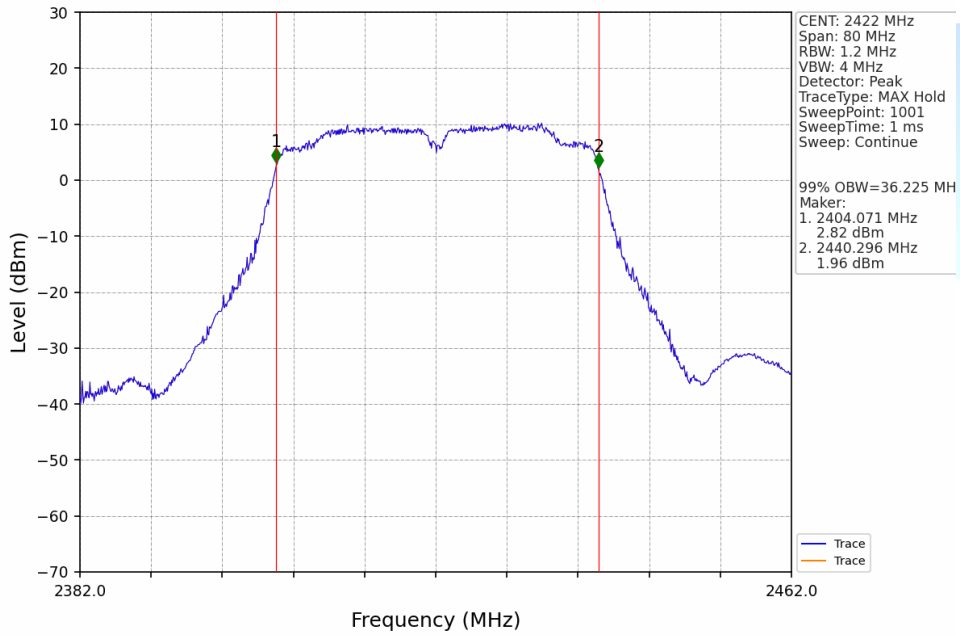
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



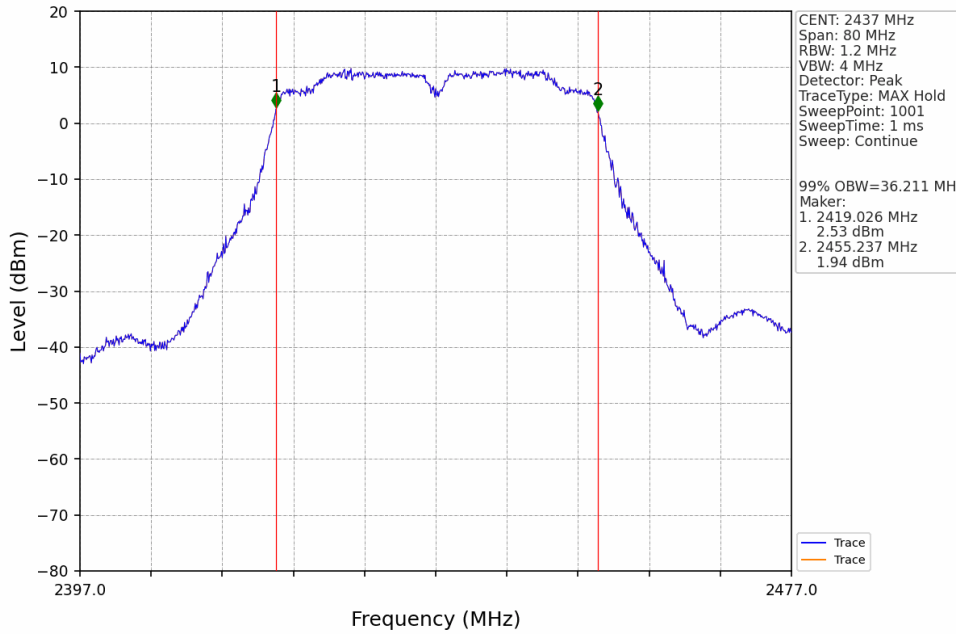
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



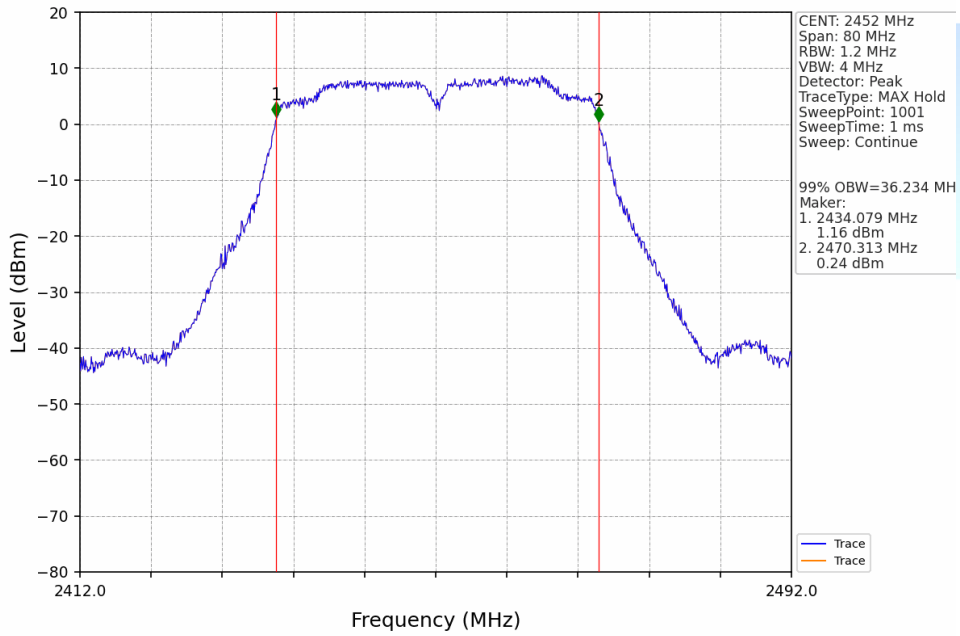
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



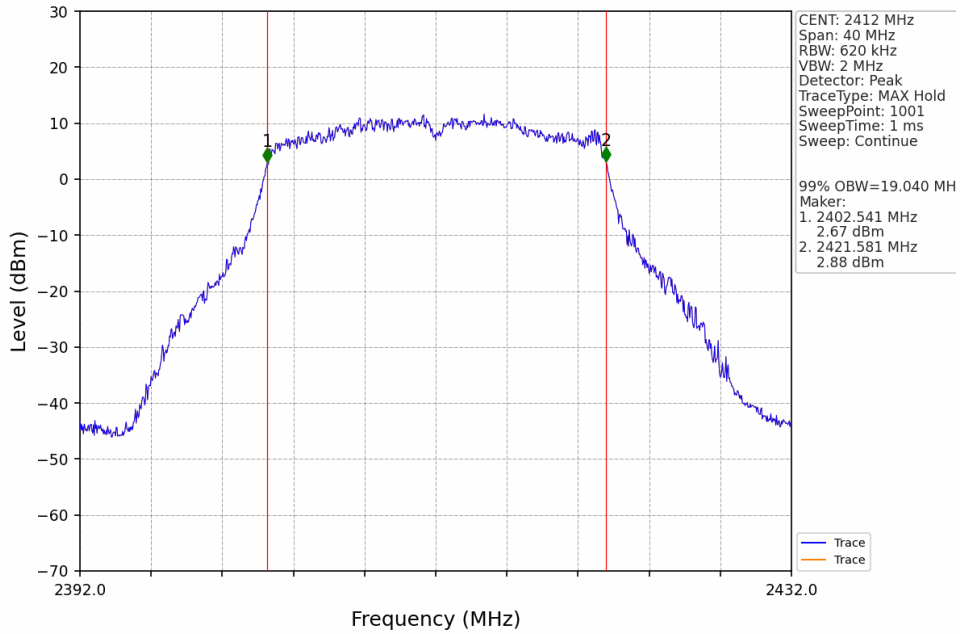
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



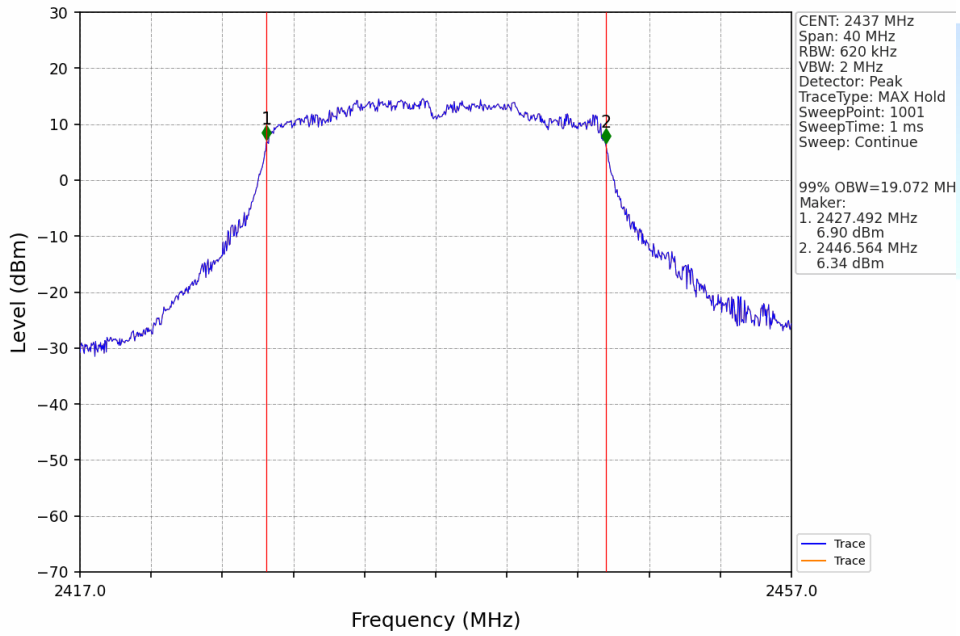
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



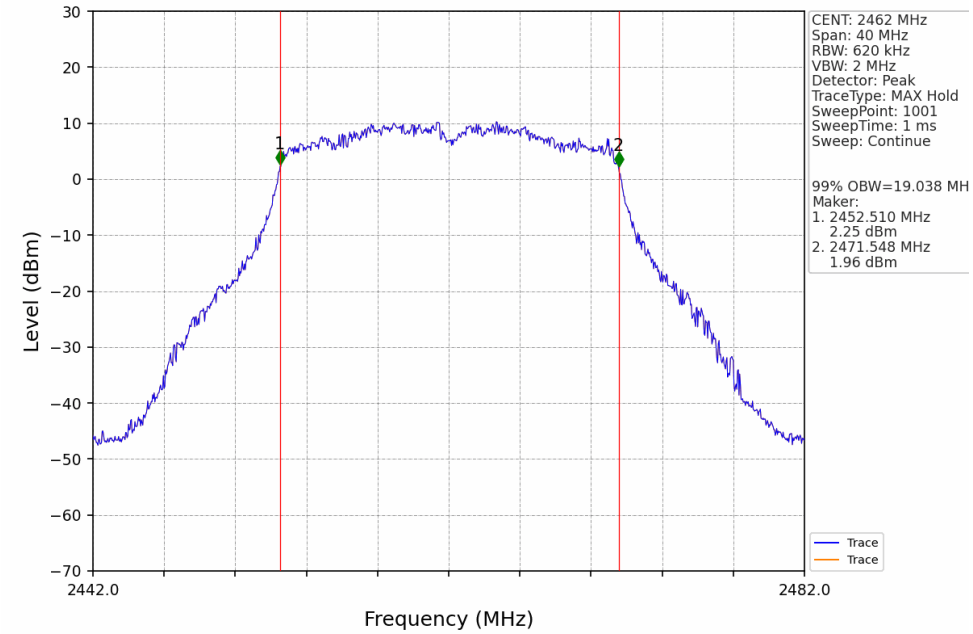
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



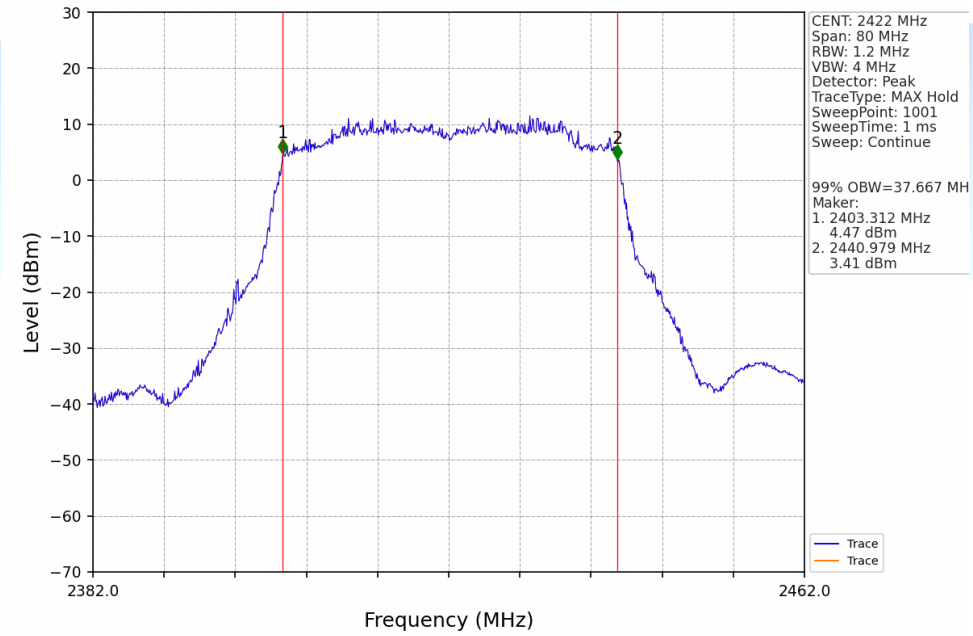
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



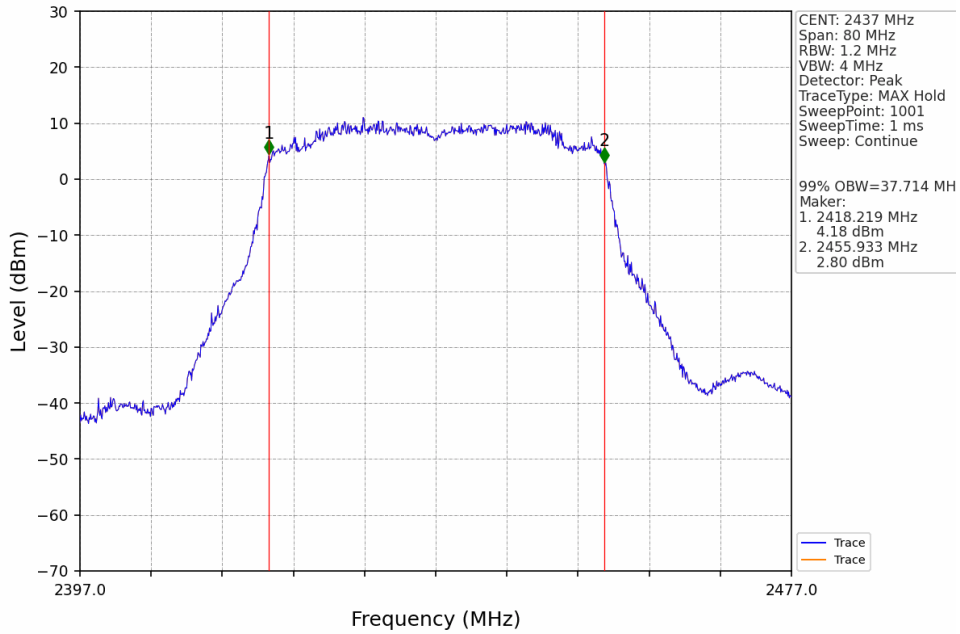
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



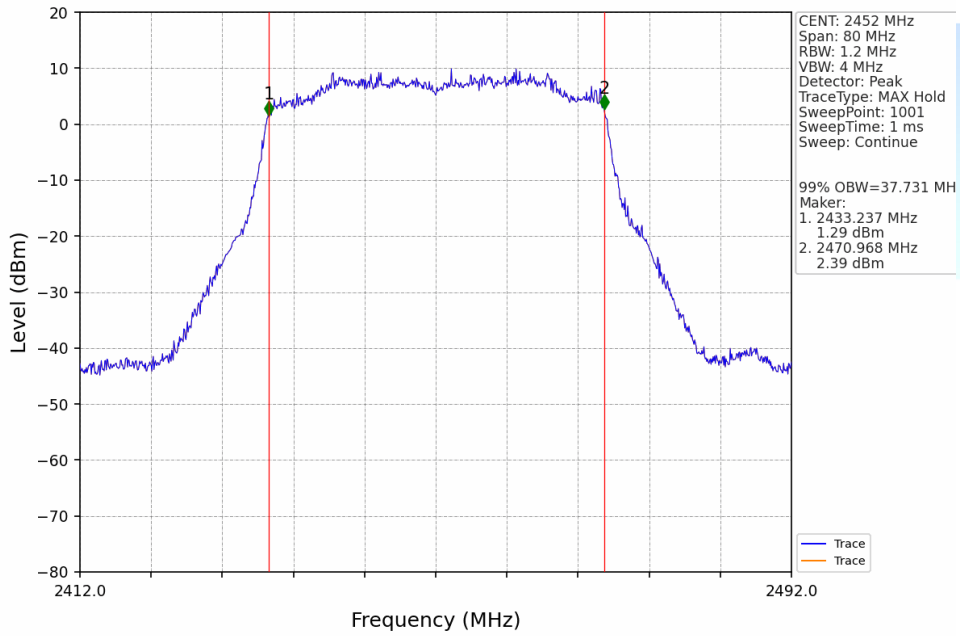
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



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

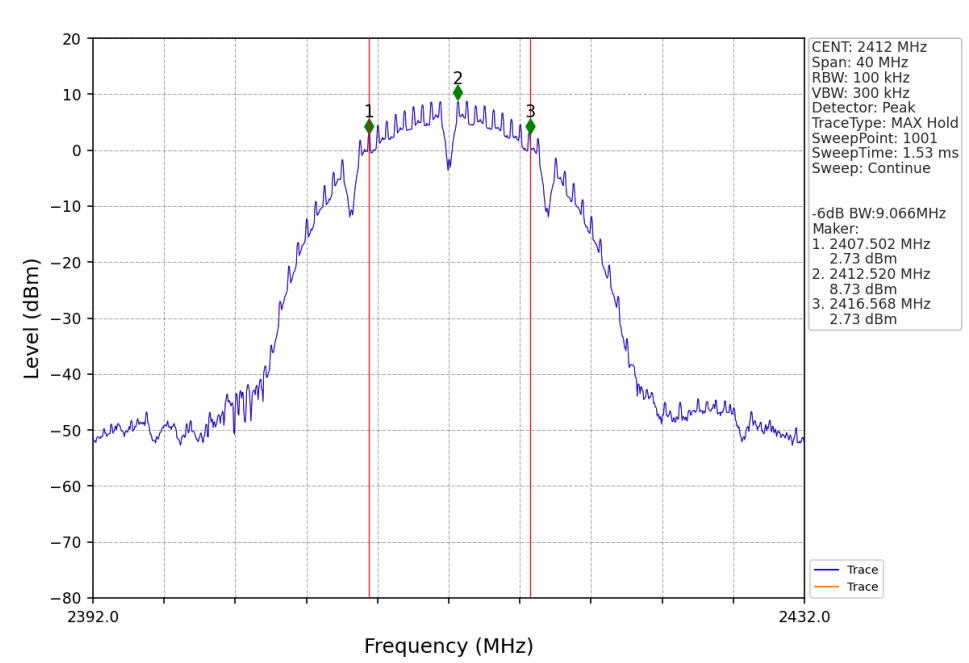


802.11ax(HEW40)_HCH_2452MHz_SU_ / _Ant1 (SISO)_NTNV

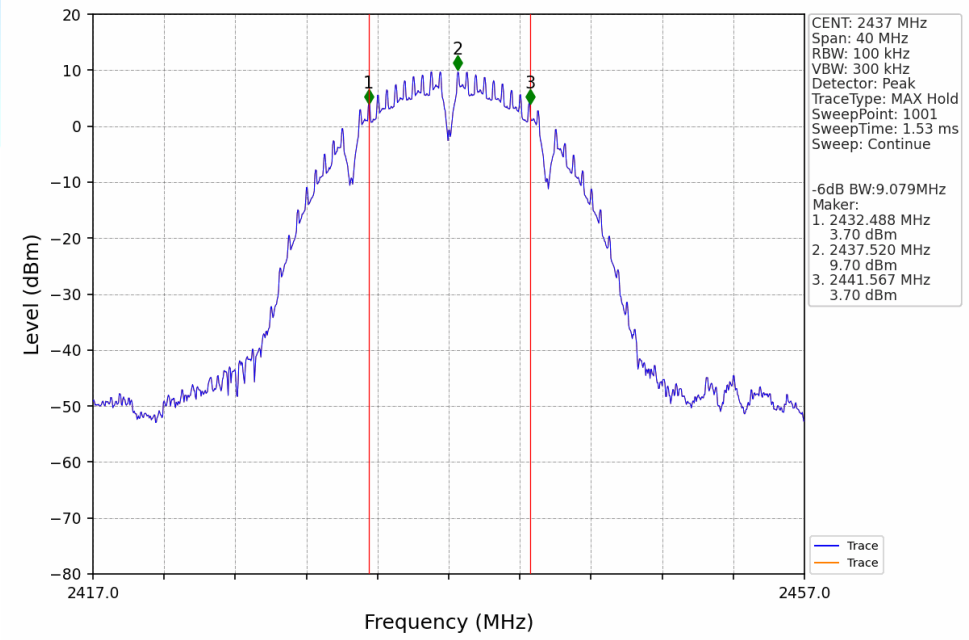


2.2.2 6dB BW

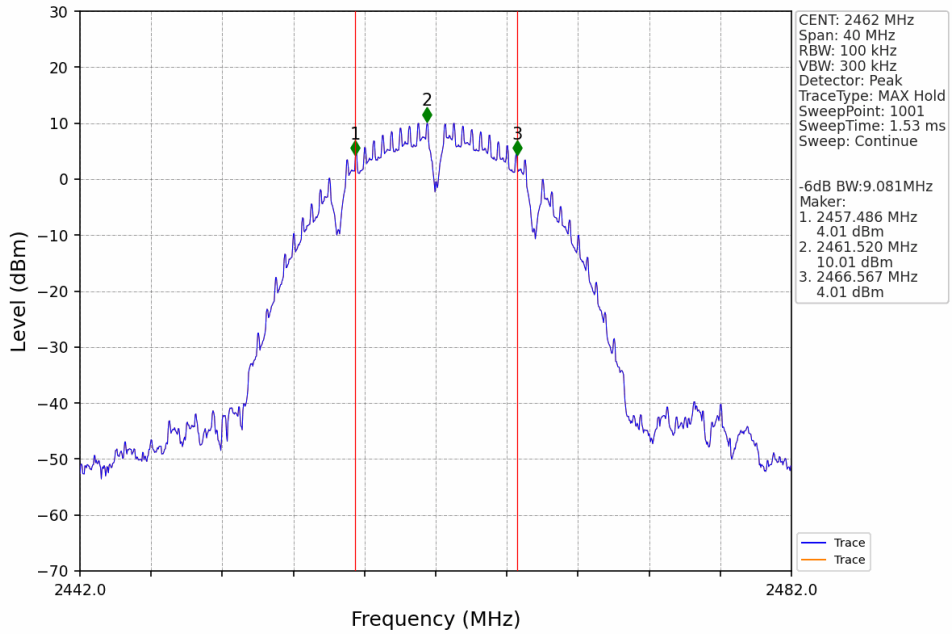
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



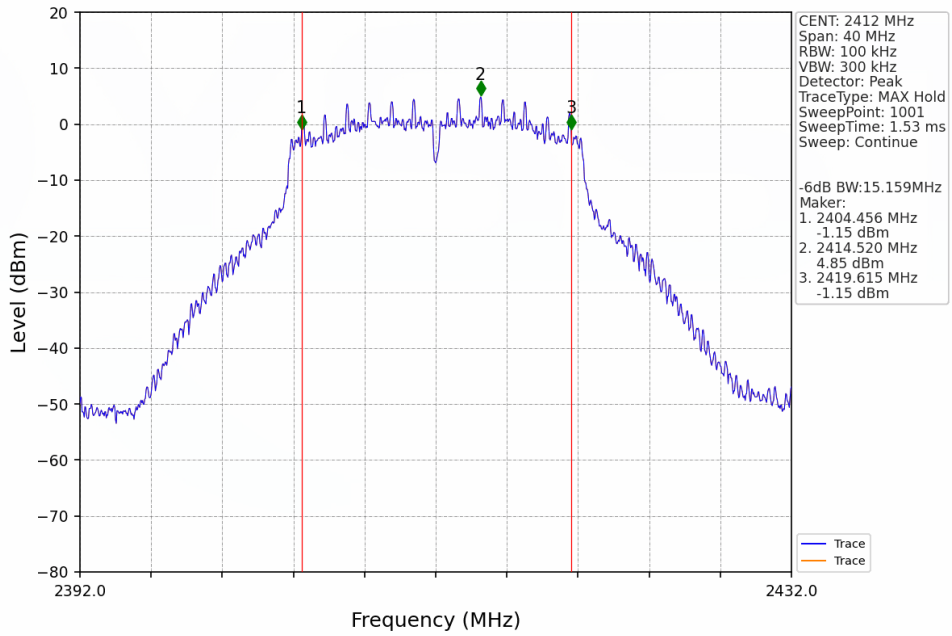
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



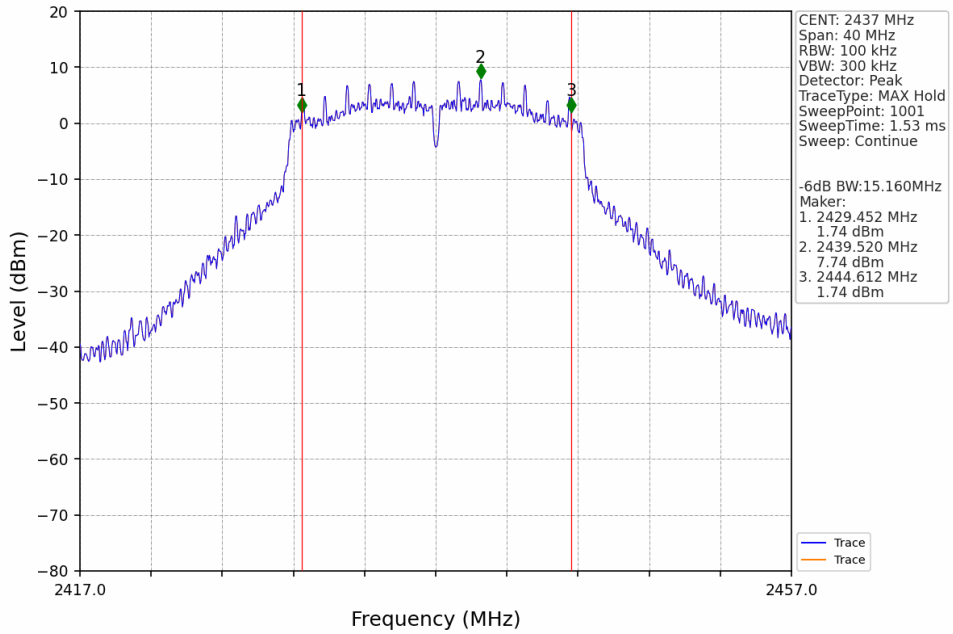
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



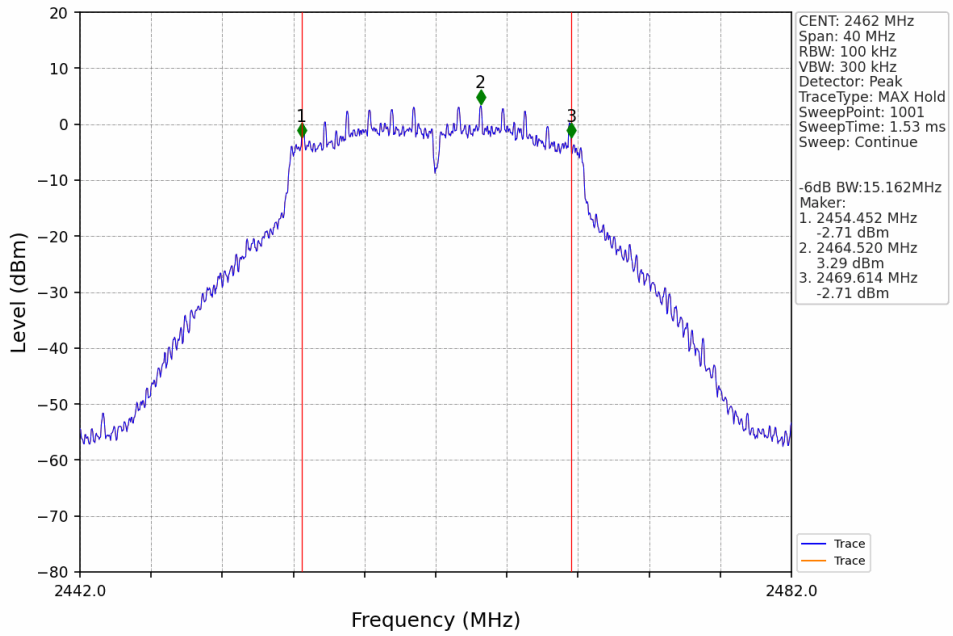
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



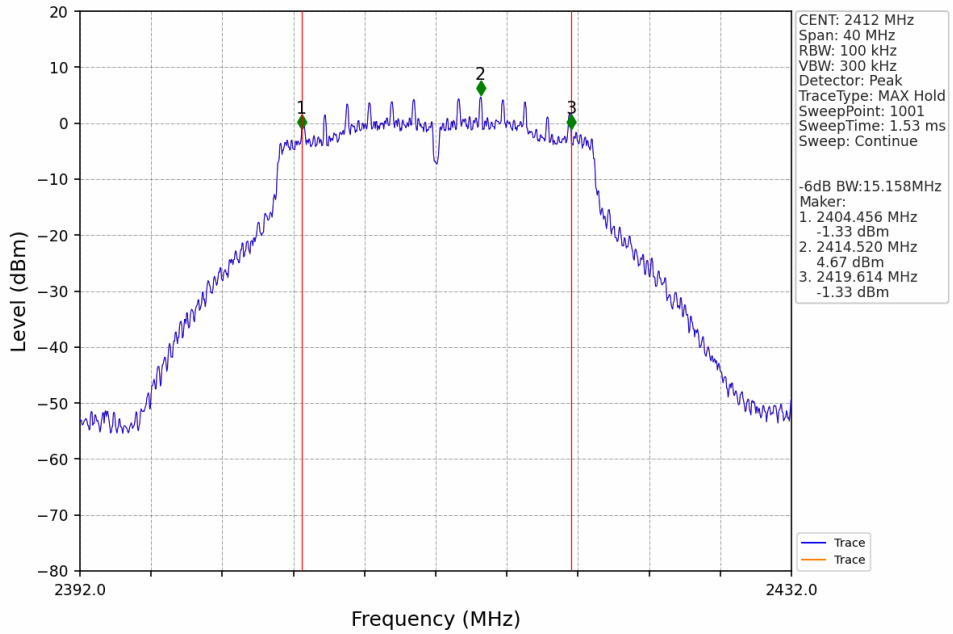
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



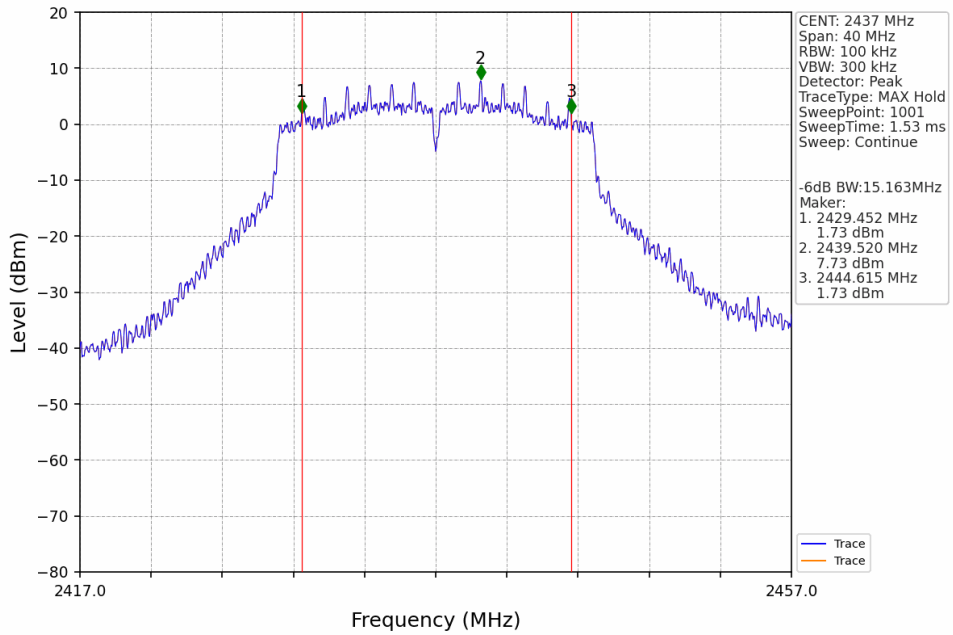
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



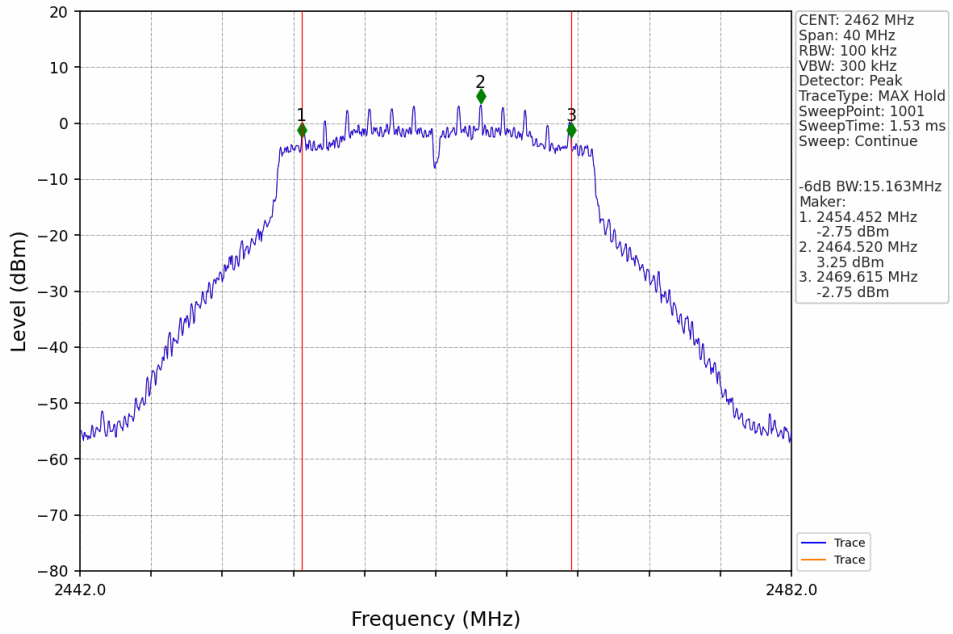
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



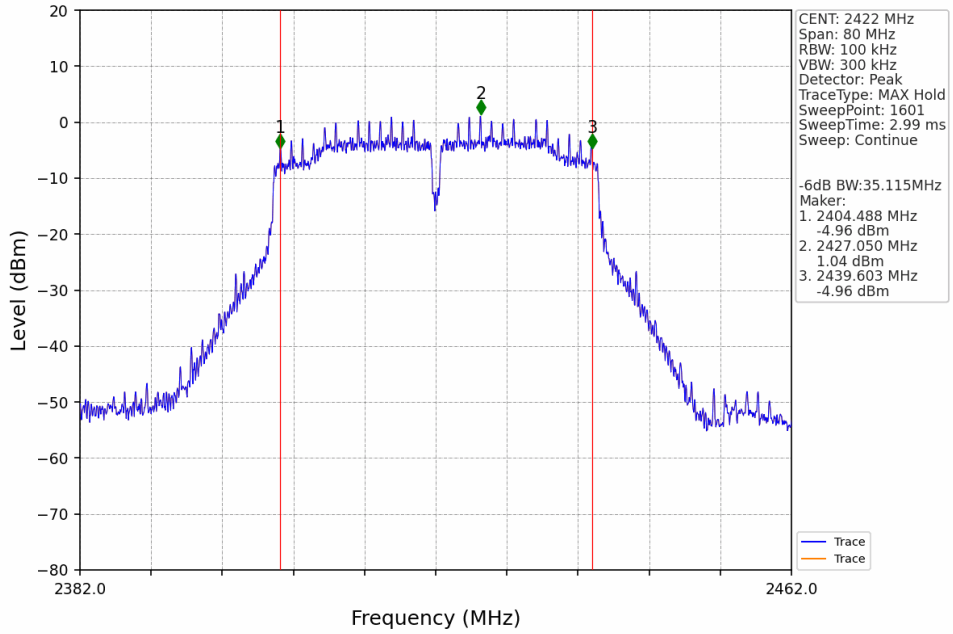
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



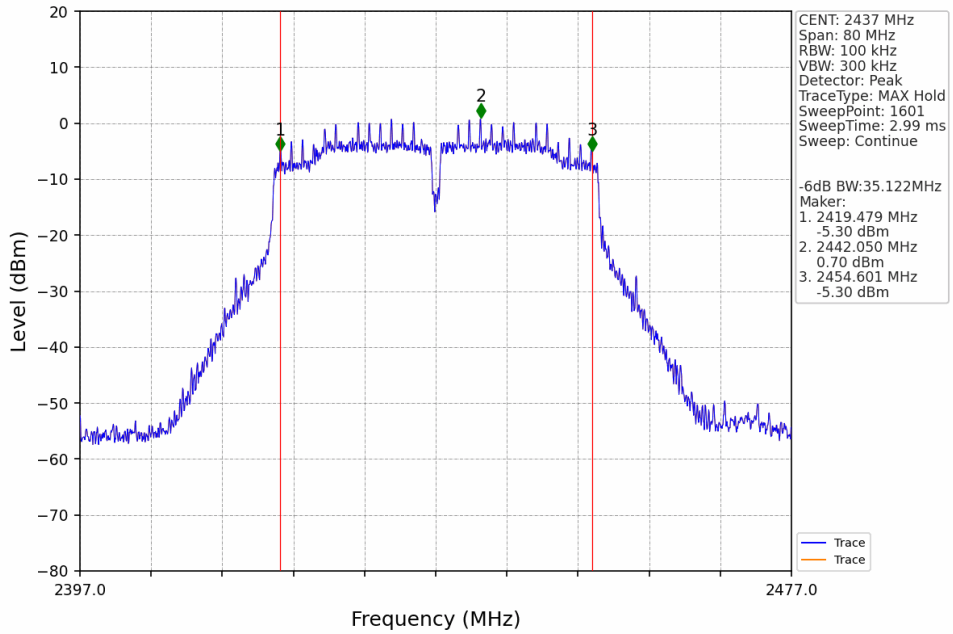
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



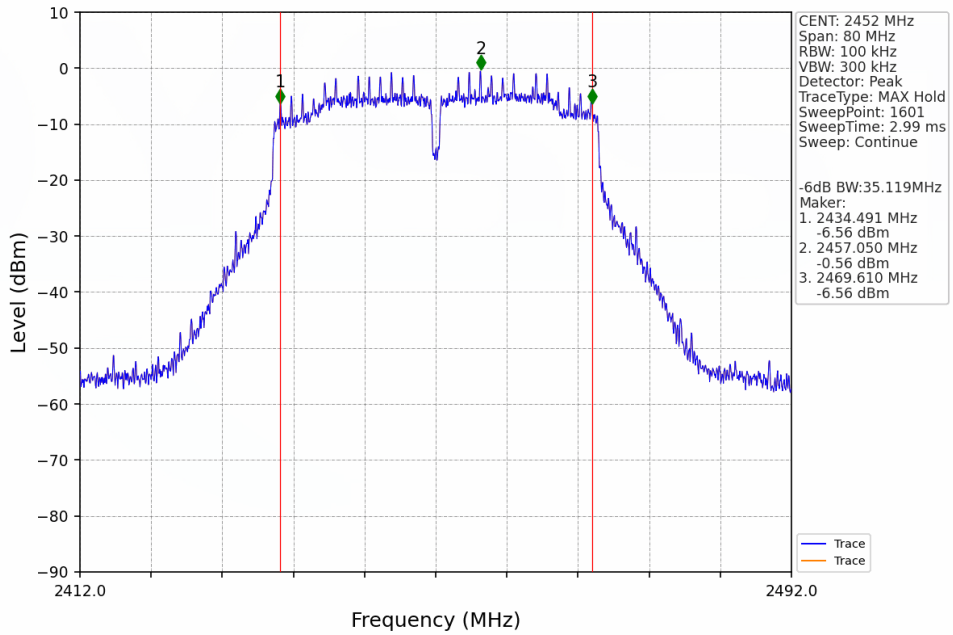
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



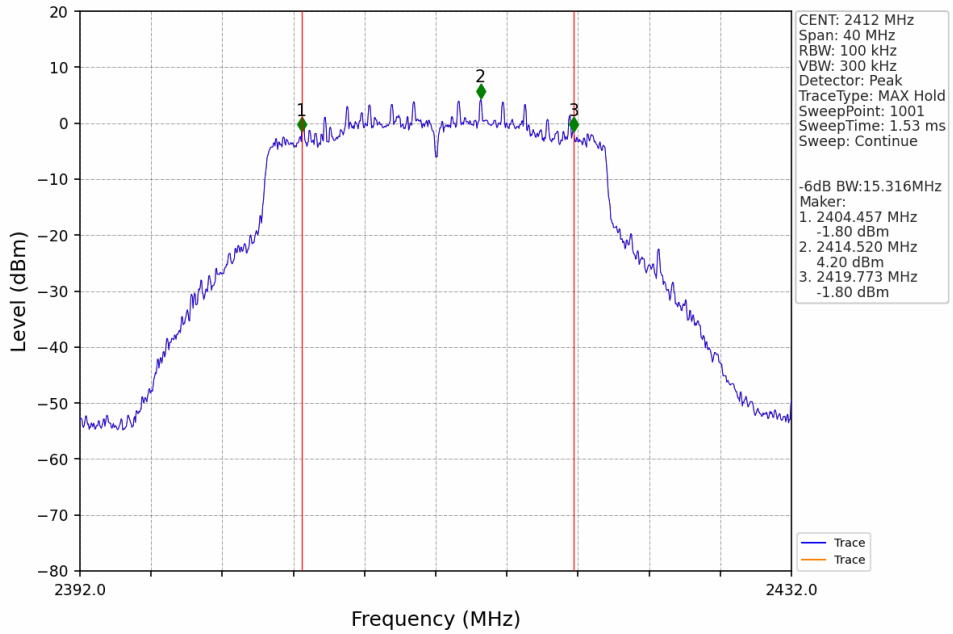
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



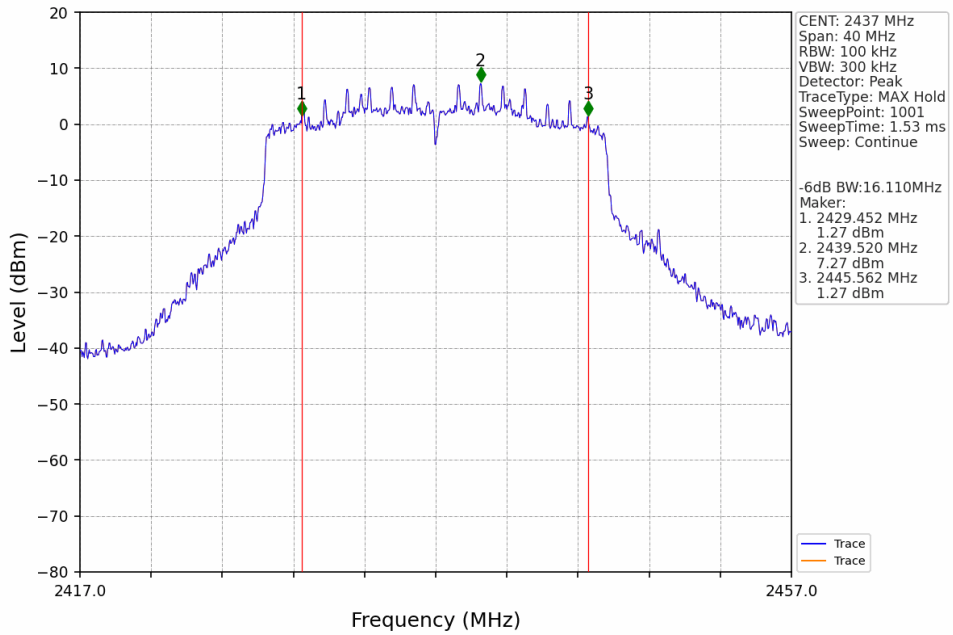
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



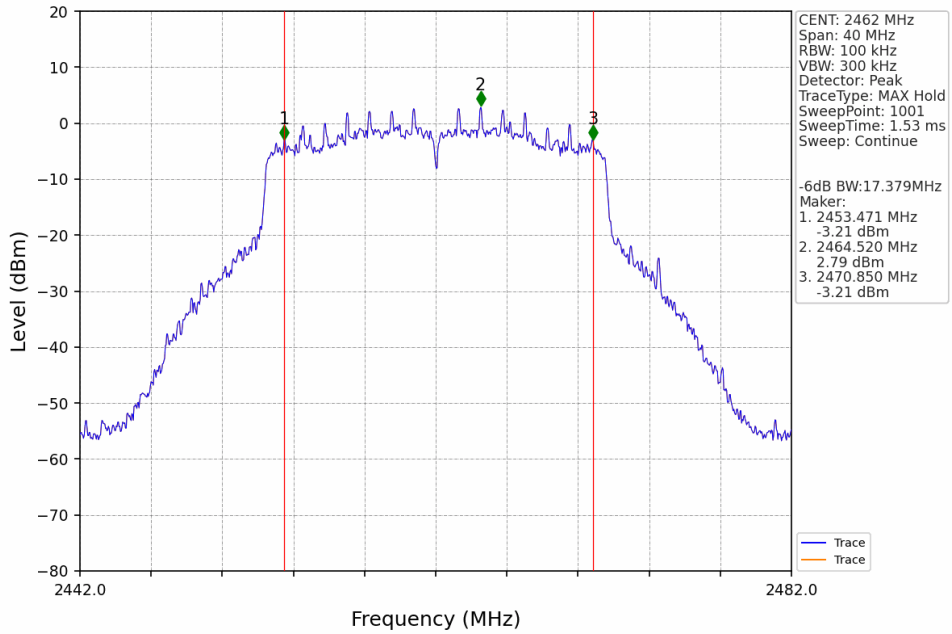
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



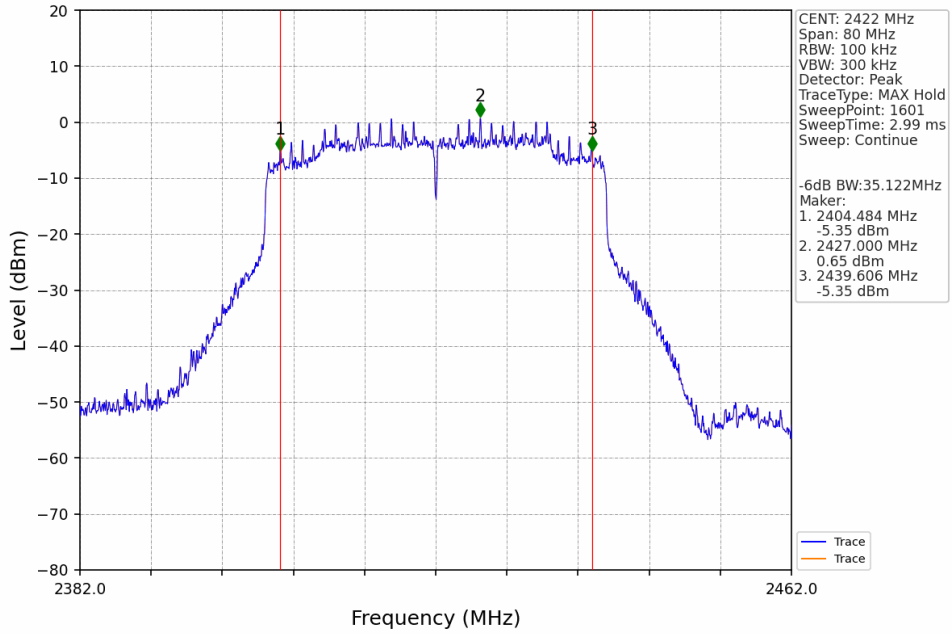
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



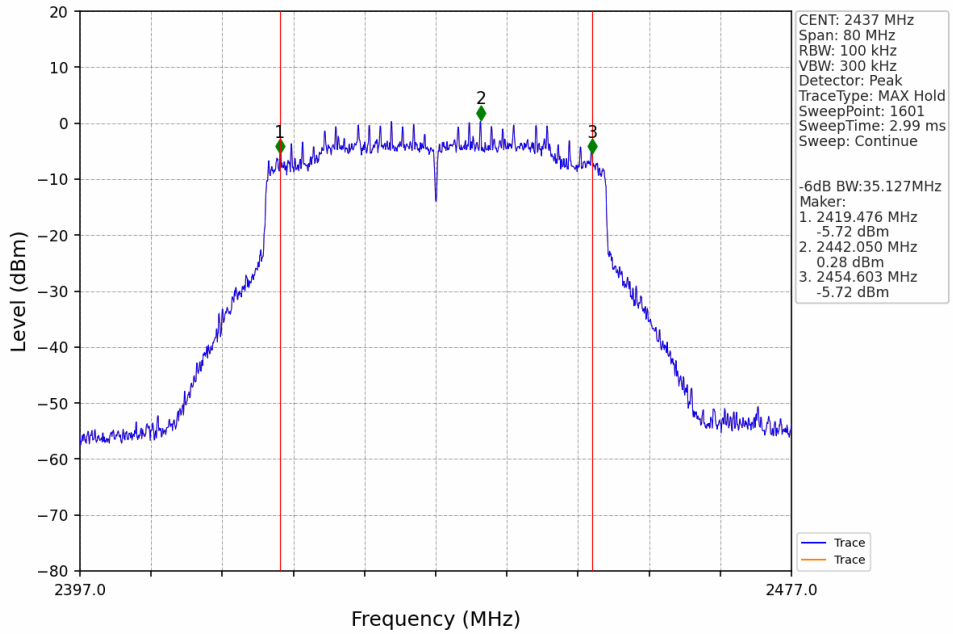
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



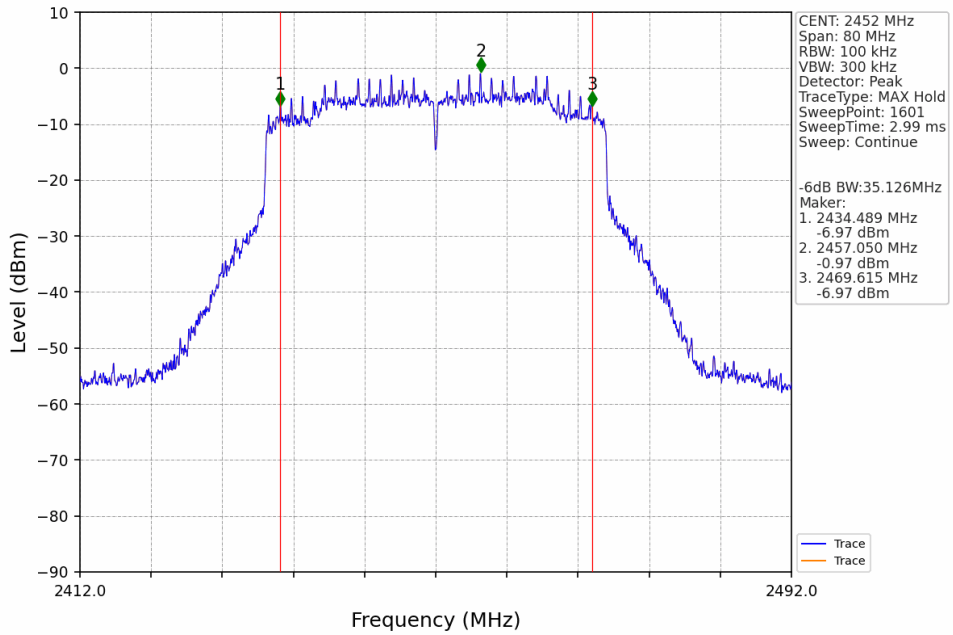
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



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	/	/	19.80	<=30	Pass
		2437	/	/	20.81	<=30	Pass
		2462	/	/	21.09	<=30	Pass
802.11g	SISO	2412	/	/	22.27	<=30	Pass
		2437	/	/	25.20	<=30	Pass
		2462	/	/	20.89	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	21.81	<=30	Pass
		2437	/	/	24.94	<=30	Pass
		2462	/	/	20.53	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	21.92	<=30	Pass
		2437	/	/	21.66	<=30	Pass
		2452	/	/	20.32	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	22.11	<=30	Pass
		2437	SU	/	25.39	<=30	Pass
		2462	SU	/	21.31	<=30	Pass
802.11ax (HEW40)	SISO	2422	SU	/	22.41	<=30	Pass
		2437	SU	/	22.13	<=30	Pass
		2452	SU	/	20.64	<=30	Pass
Note1: Antenna Gain: Ant1: 2.24dBi;							

4. Maximum Power Spectral Density

4.1 Test Result

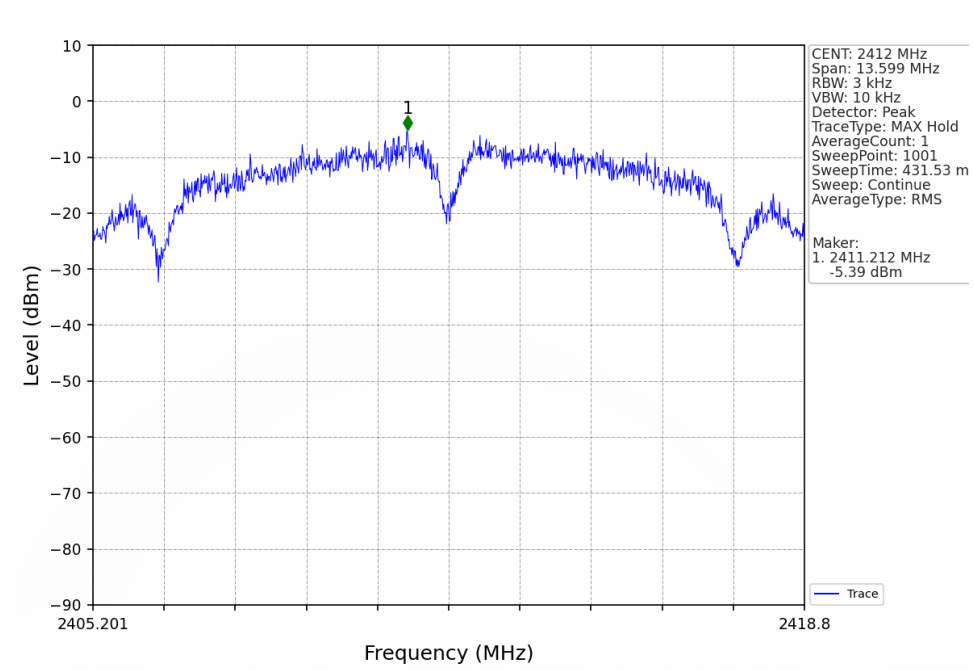
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-5.39	<=8	Pass
		2437	/	/	-5.31	<=8	Pass
		2462	/	/	-4.18	<=8	Pass
802.11g	SISO	2412	/	/	-10.78	<=8	Pass
		2437	/	/	-7.14	<=8	Pass
		2462	/	/	-12.80	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-10.71	<=8	Pass
		2437	/	/	-7.31	<=8	Pass
		2462	/	/	-12.08	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-15.28	<=8	Pass
		2437	/	/	-14.79	<=8	Pass
		2452	/	/	-15.96	<=8	Pass
802.11ax (HEW20)	SISO	2412	SU	/	-13.06	<=8	Pass
		2437	SU	/	-9.02	<=8	Pass
		2462	SU	/	-12.86	<=8	Pass
802.11ax (HEW40)	SISO	2422	SU	/	-15.20	<=8	Pass
		2437	SU	/	-16.35	<=8	Pass
		2452	SU	/	-17.70	<=8	Pass
Note1: Antenna Gain: Ant1: 2.24dBi;							

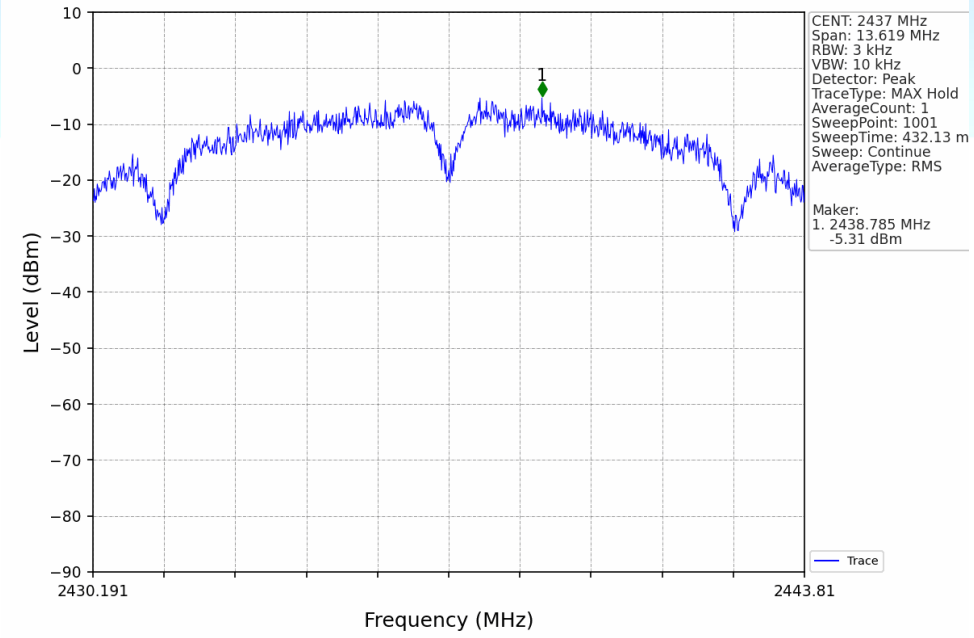
4.2 Test Graph

4.2.1 PSD

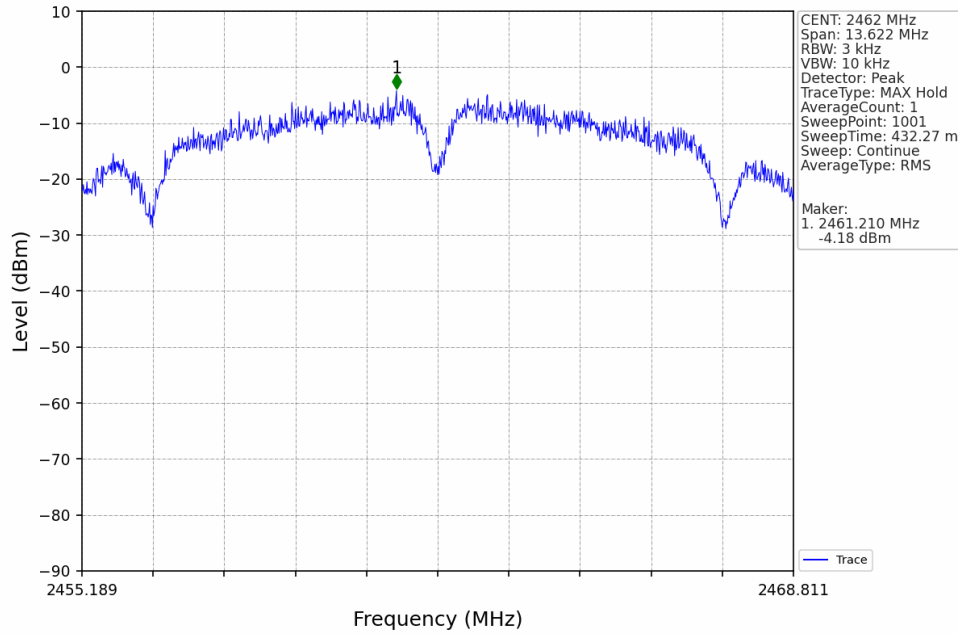
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



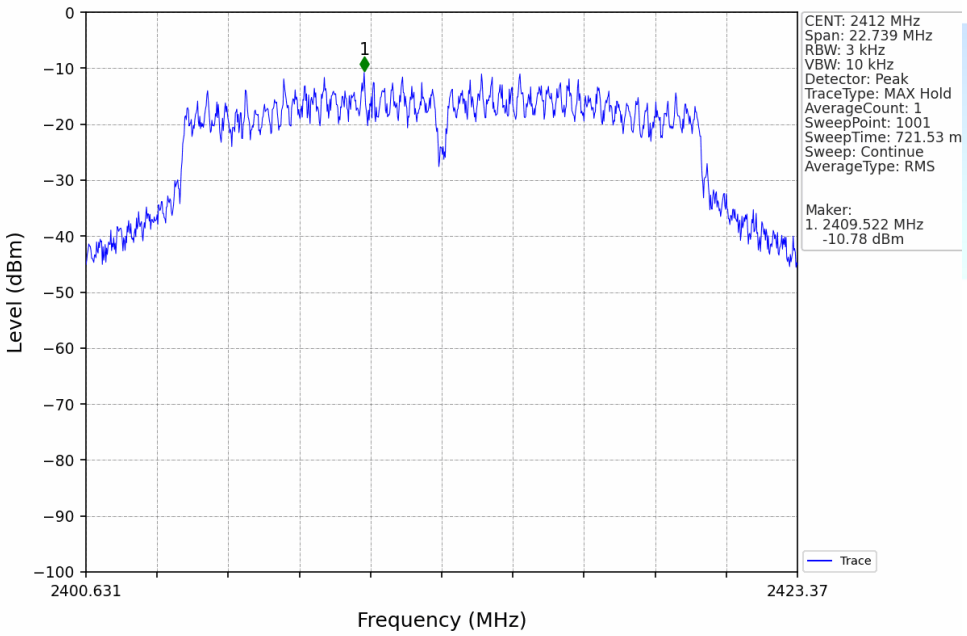
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



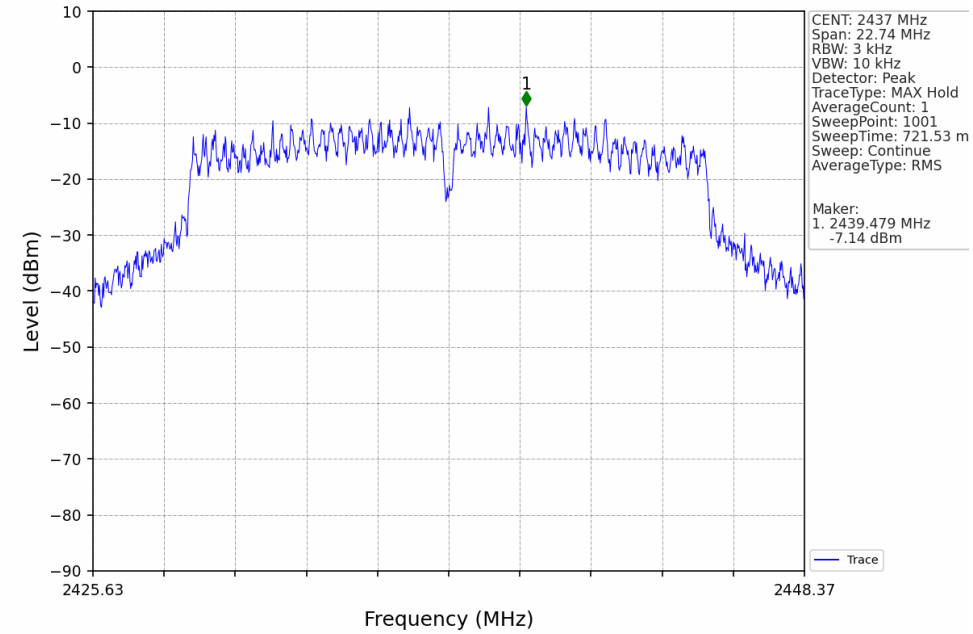
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



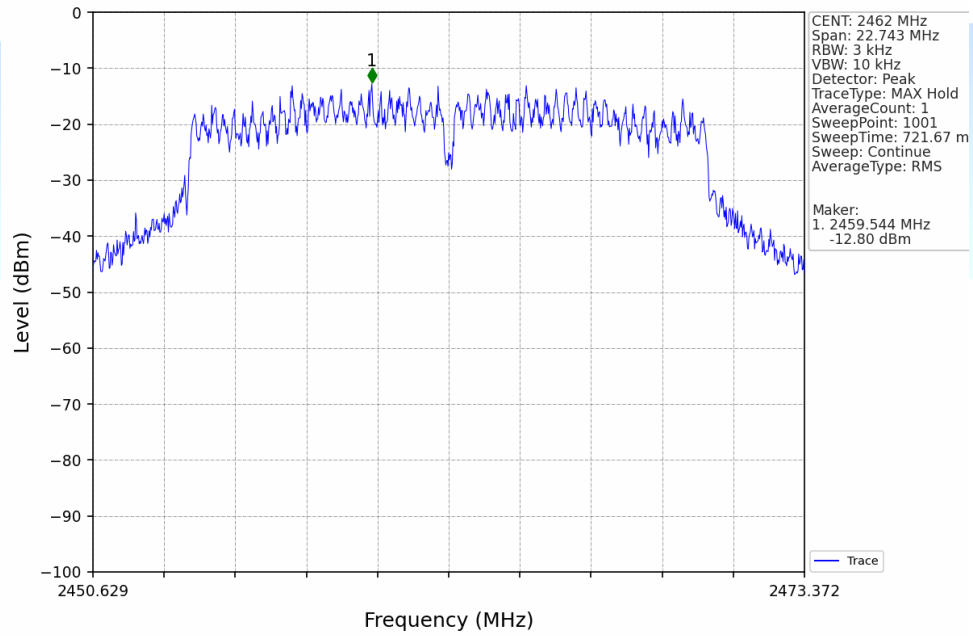
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



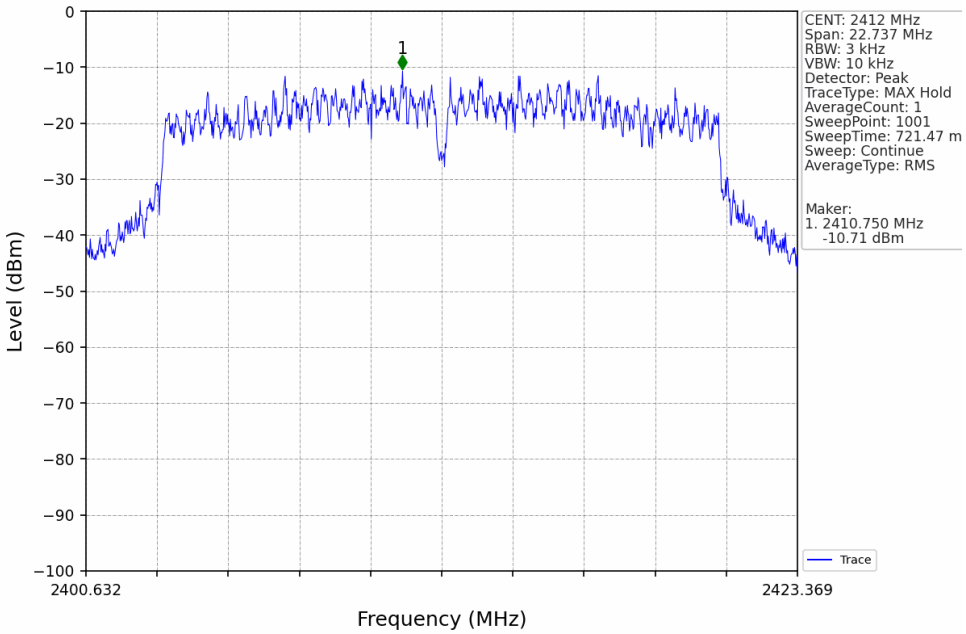
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



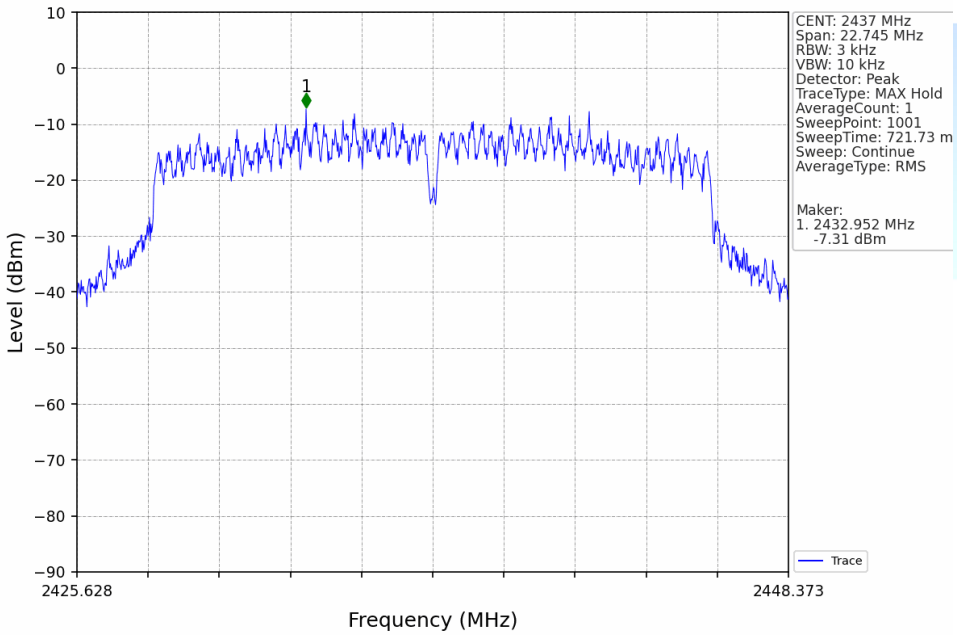
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



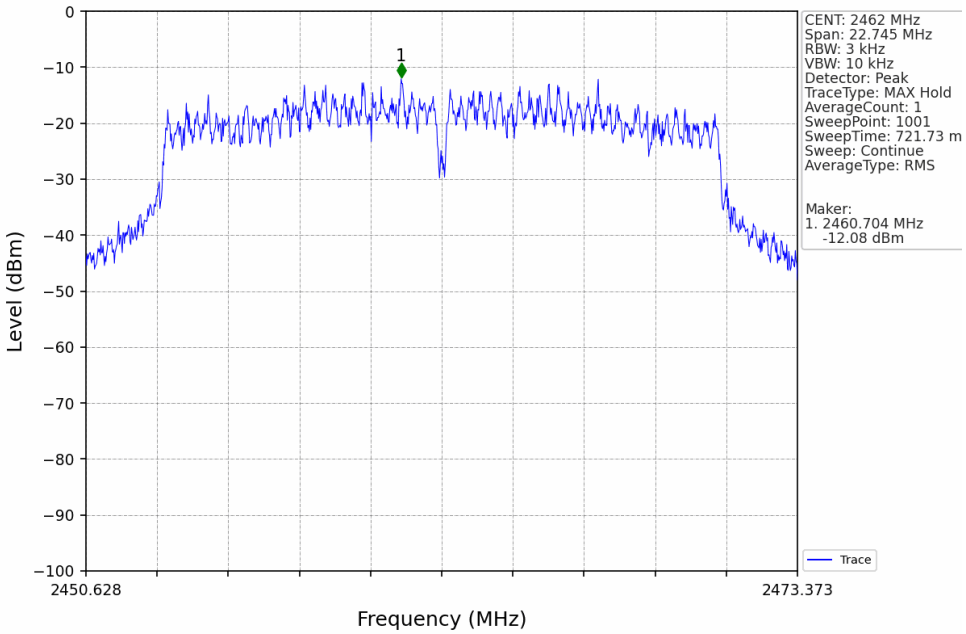
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



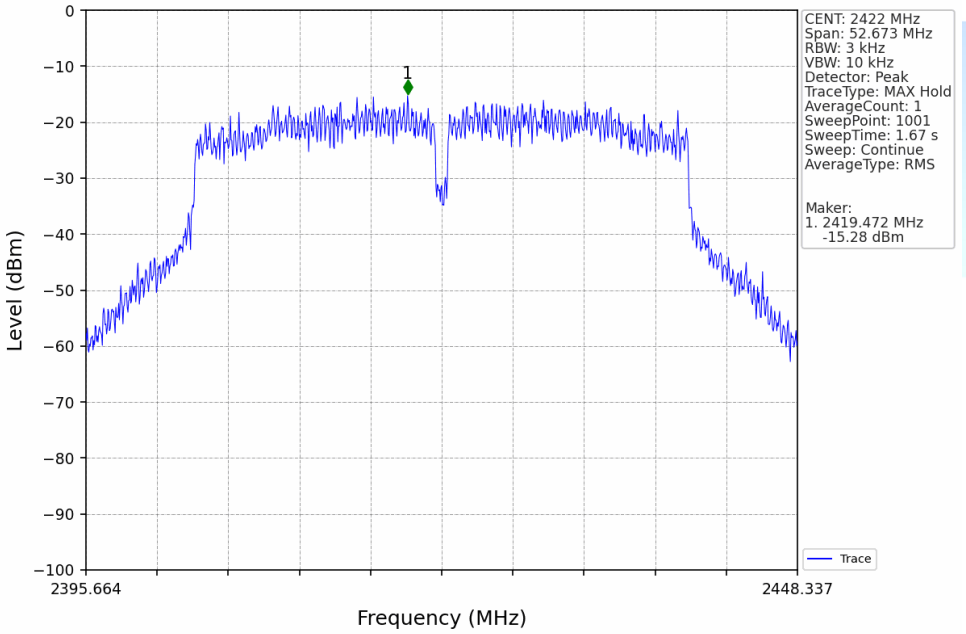
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



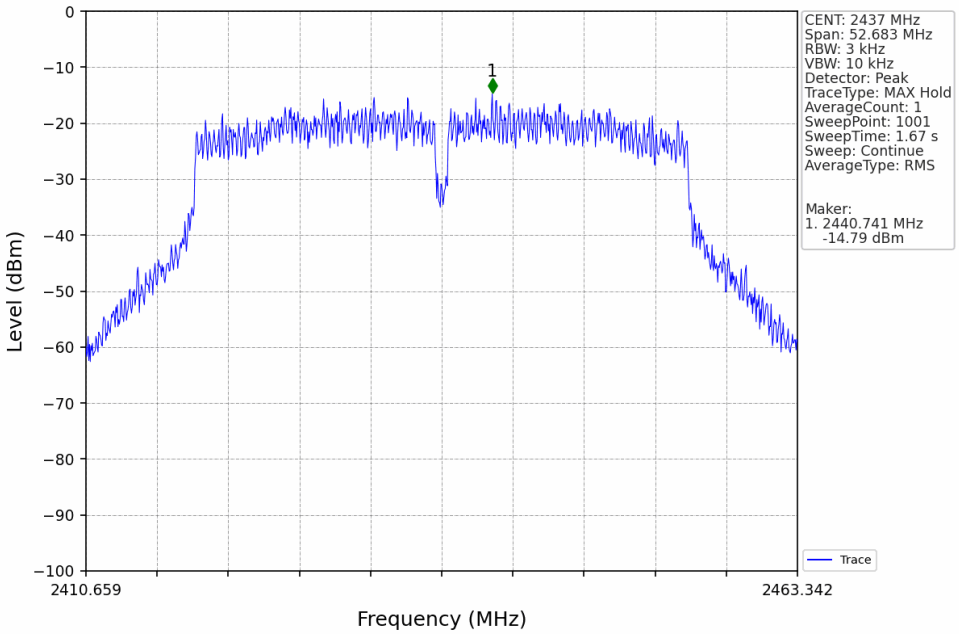
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



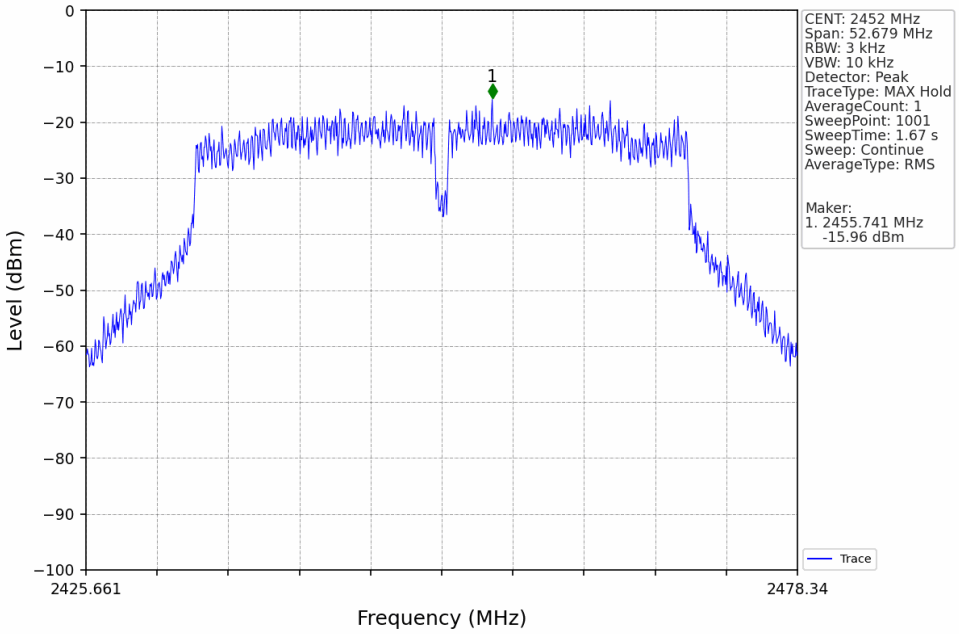
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



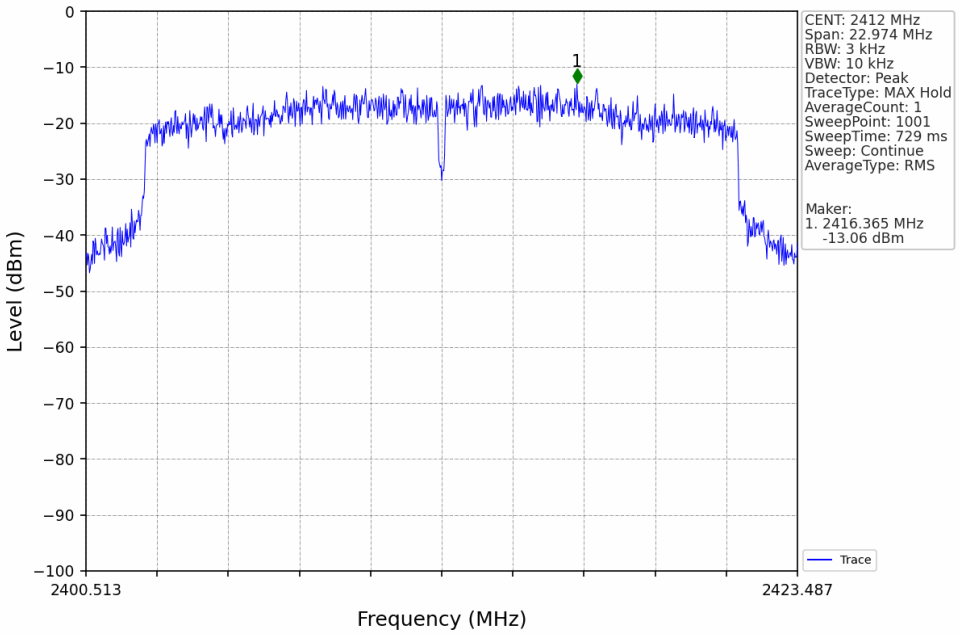
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



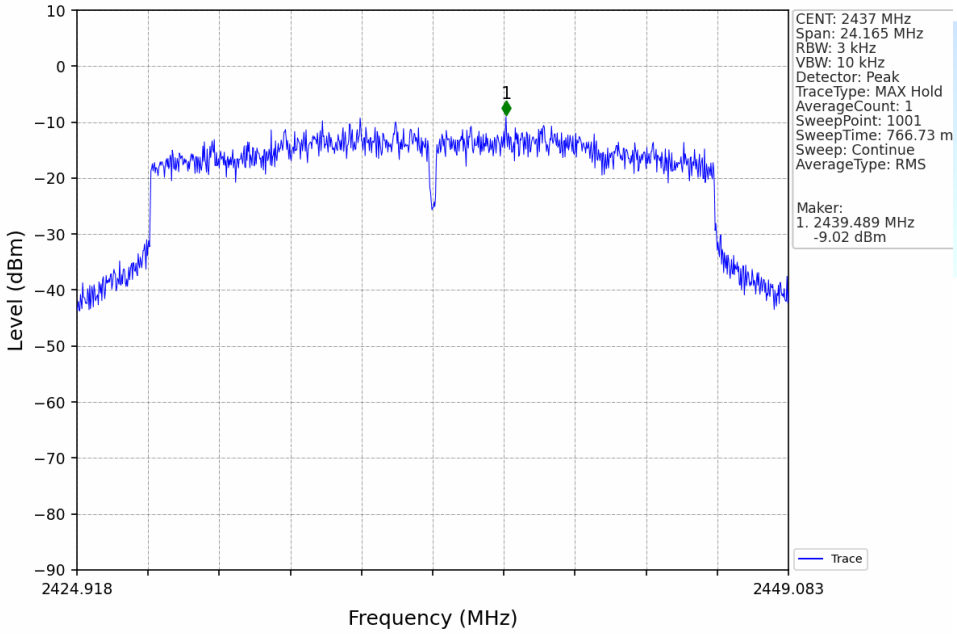
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



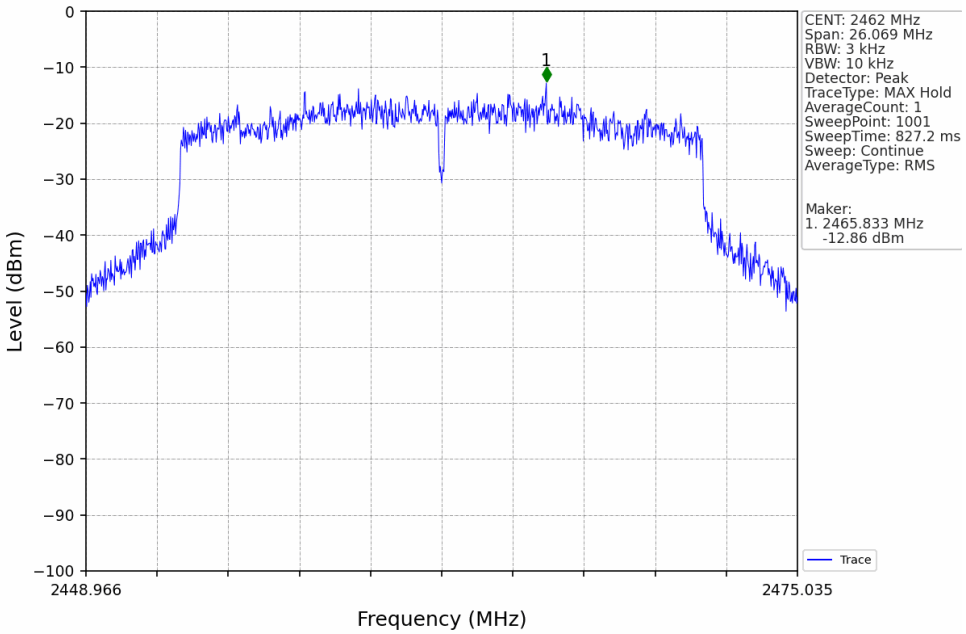
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



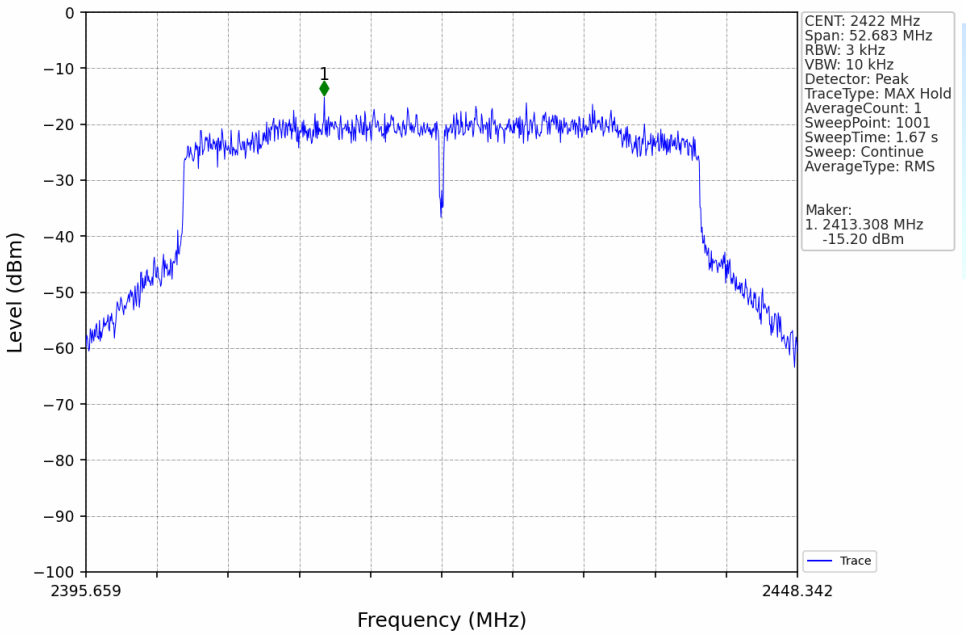
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



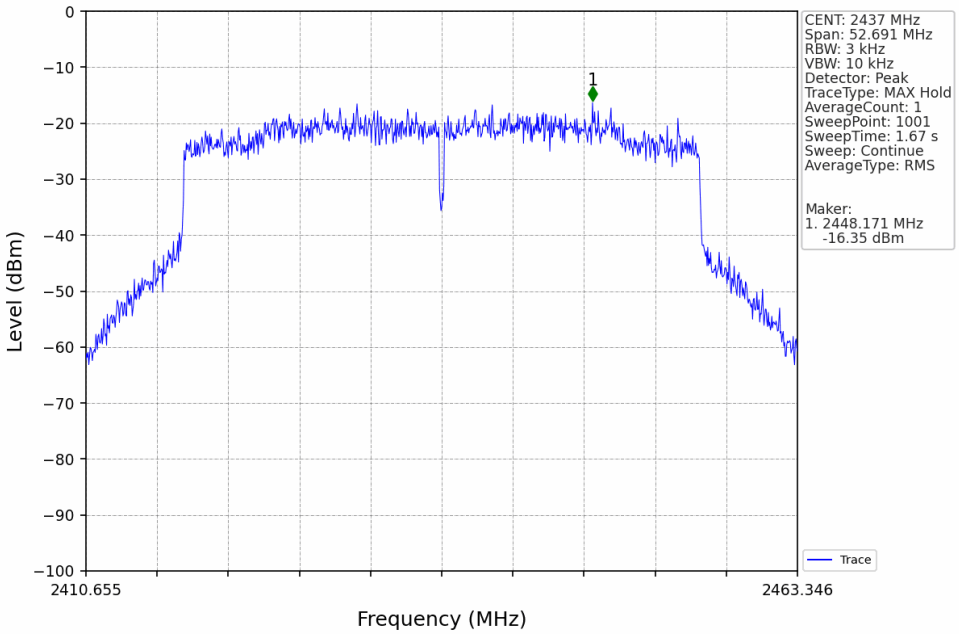
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



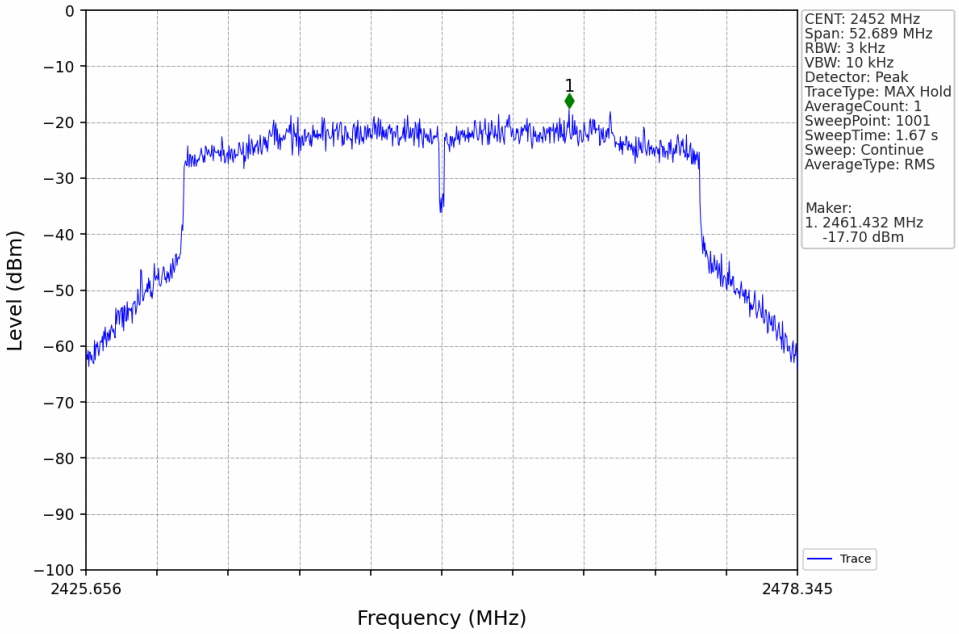
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (SISO)_NTNV



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



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



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	8.61
		2437	/	/	1	9.44
		2462	/	/	1	9.93
802.11g	SISO	2412	/	/	1	4.84
		2437	/	/	1	7.73
		2462	/	/	1	3.29
802.11n (HT20)	SISO	2412	/	/	1	4.66
		2437	/	/	1	7.70
		2462	/	/	1	3.25
802.11n (HT40)	SISO	2422	/	/	1	1.03
		2437	/	/	1	0.69
		2452	/	/	1	-0.55
802.11ax (HEW20)	SISO	2412	SU	/	1	4.21
		2437	SU	/	1	7.26
		2462	SU	/	1	2.71
802.11ax (HEW40)	SISO	2422	SU	/	1	0.58
		2437	SU	/	1	0.27
		2452	SU	/	1	-0.98

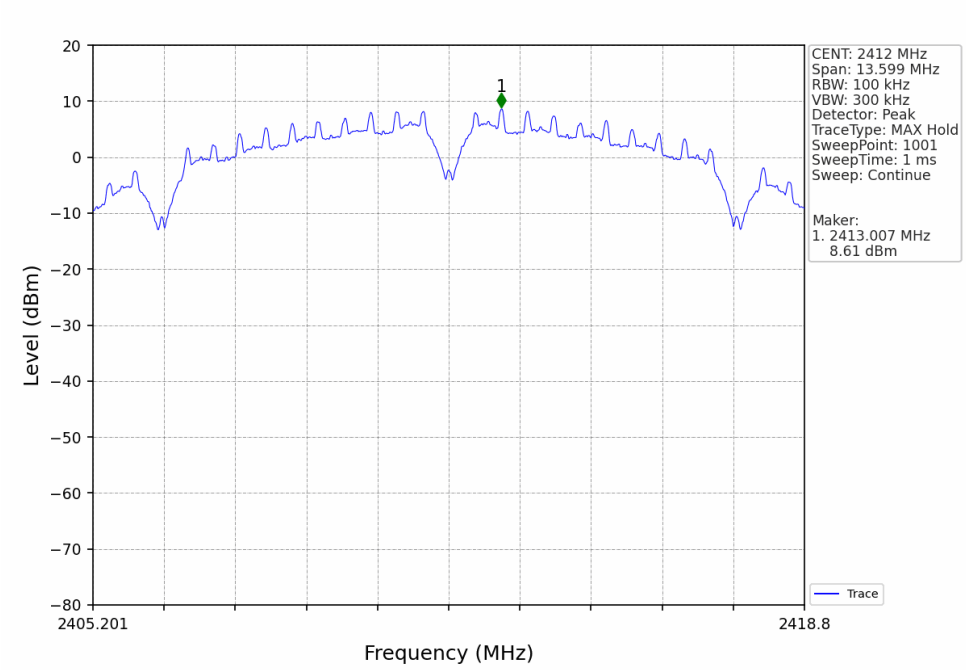
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	8.61	-11.39	Pass
		2437	/	/	1	9.44	-10.56	Pass
		2462	/	/	1	9.93	-10.07	Pass
802.11g	SISO	2412	/	/	1	4.84	-15.16	Pass
		2437	/	/	1	7.73	-12.27	Pass
		2462	/	/	1	3.29	-16.71	Pass
802.11n (HT20)	SISO	2412	/	/	1	4.66	-15.34	Pass
		2437	/	/	1	7.70	-12.30	Pass
		2462	/	/	1	3.25	-16.75	Pass
802.11n (HT40)	SISO	2422	/	/	1	1.03	-18.97	Pass
		2437	/	/	1	0.69	-19.31	Pass
		2452	/	/	1	-0.55	-20.55	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	4.21	-15.79	Pass
		2437	SU	/	1	7.26	-12.74	Pass
		2462	SU	/	1	2.71	-17.29	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	0.58	-19.42	Pass
		2437	SU	/	1	0.27	-19.73	Pass
		2452	SU	/	1	-0.98	-20.98	Pass

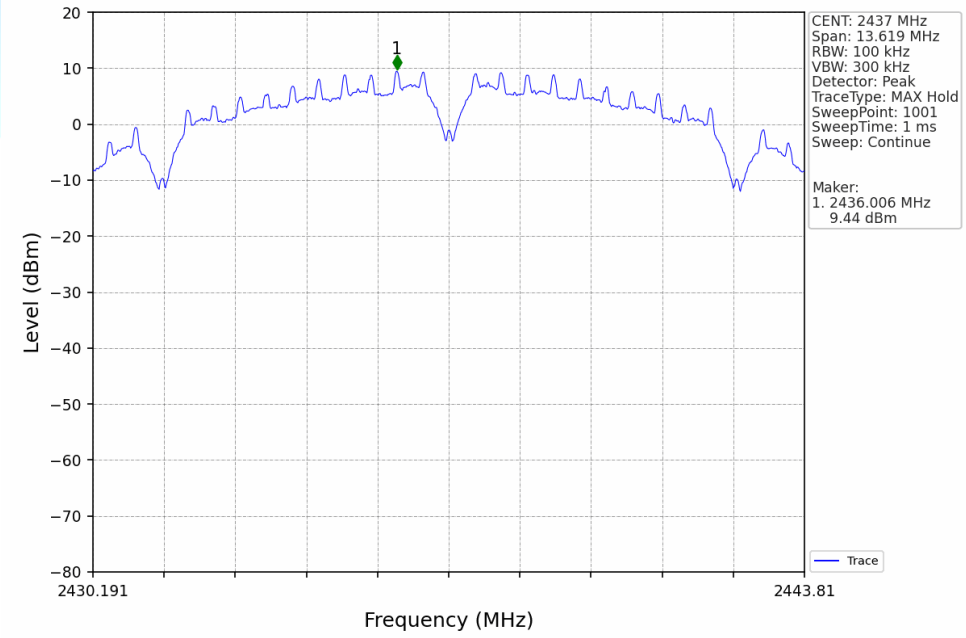
5.2 Test Graph

5.2.1 Ref

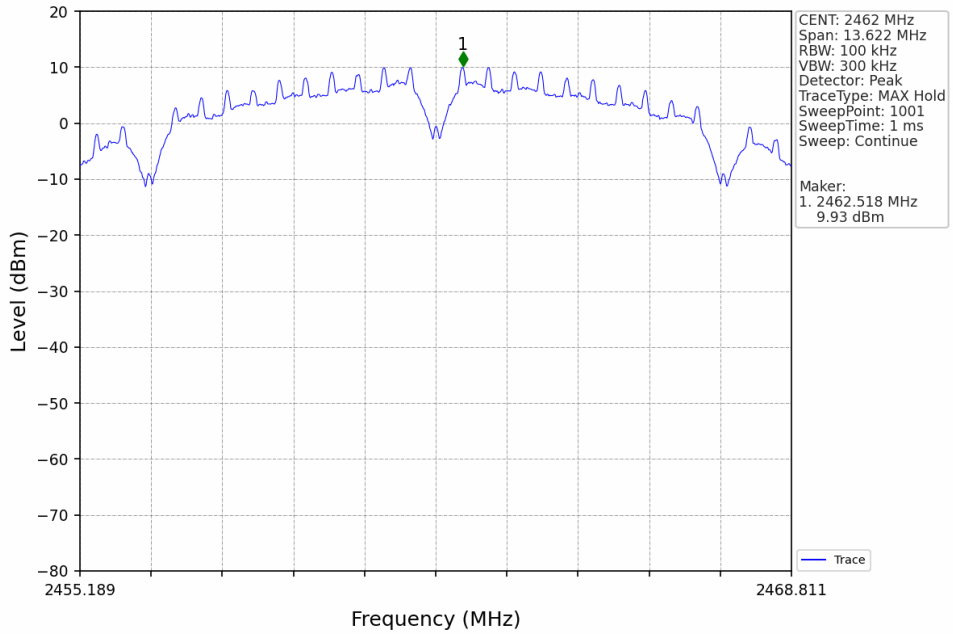
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



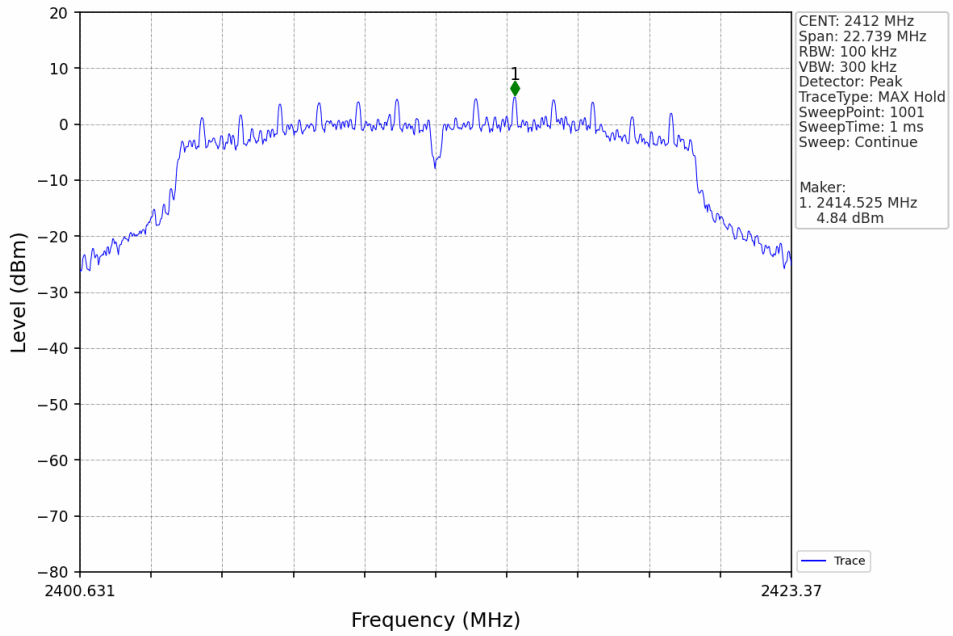
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



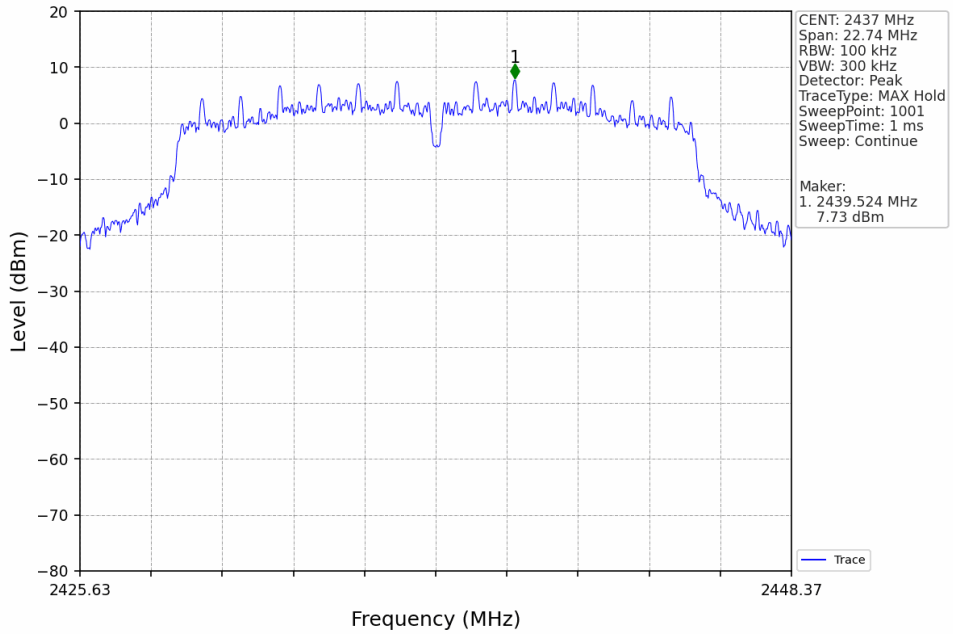
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



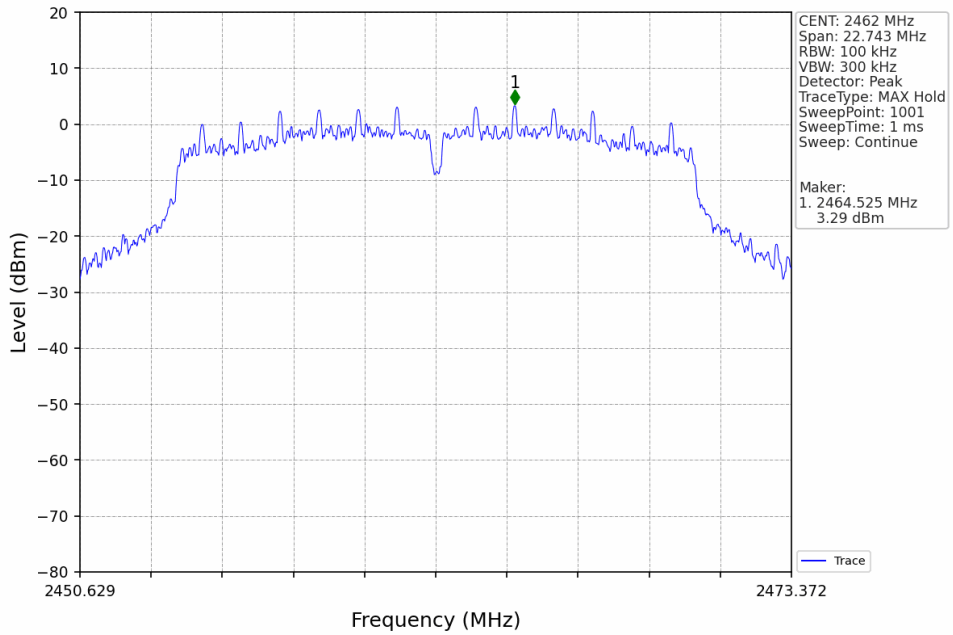
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



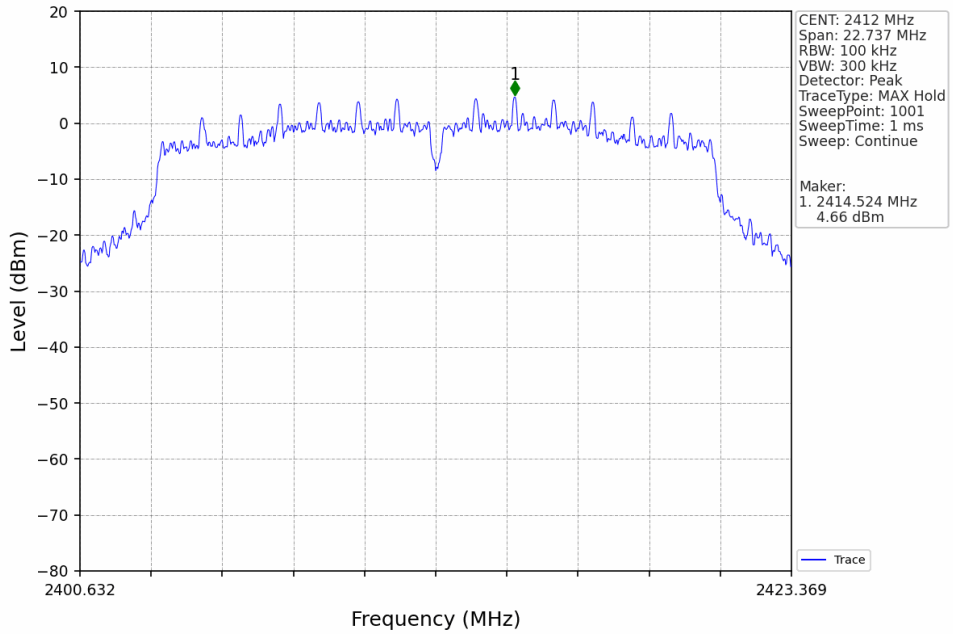
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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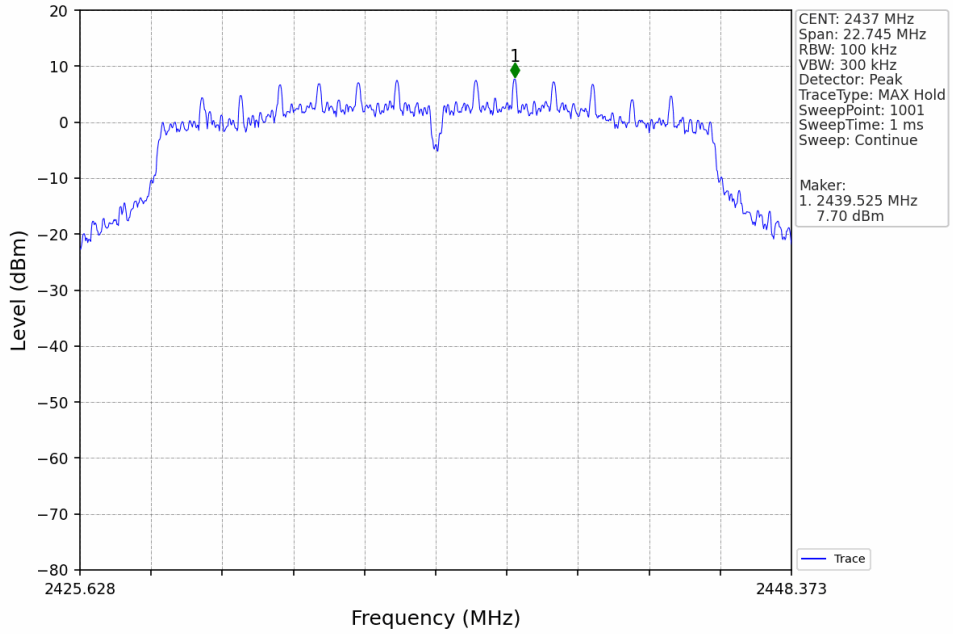
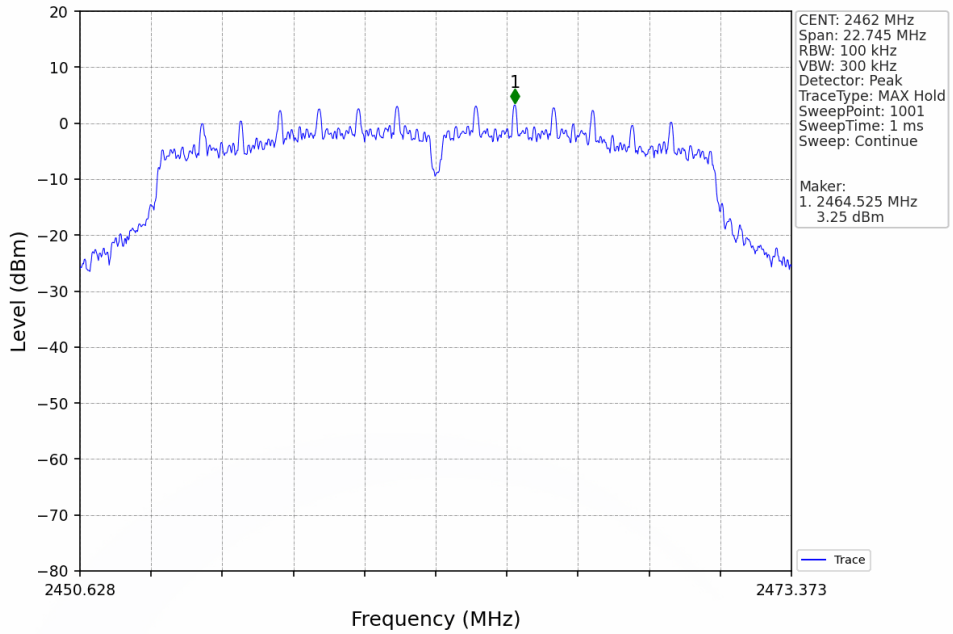
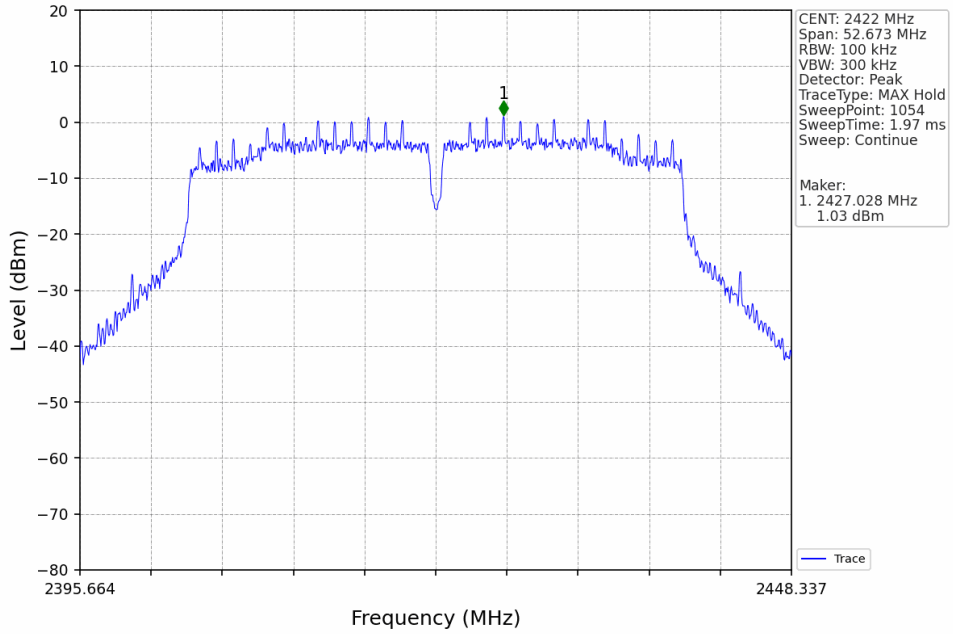


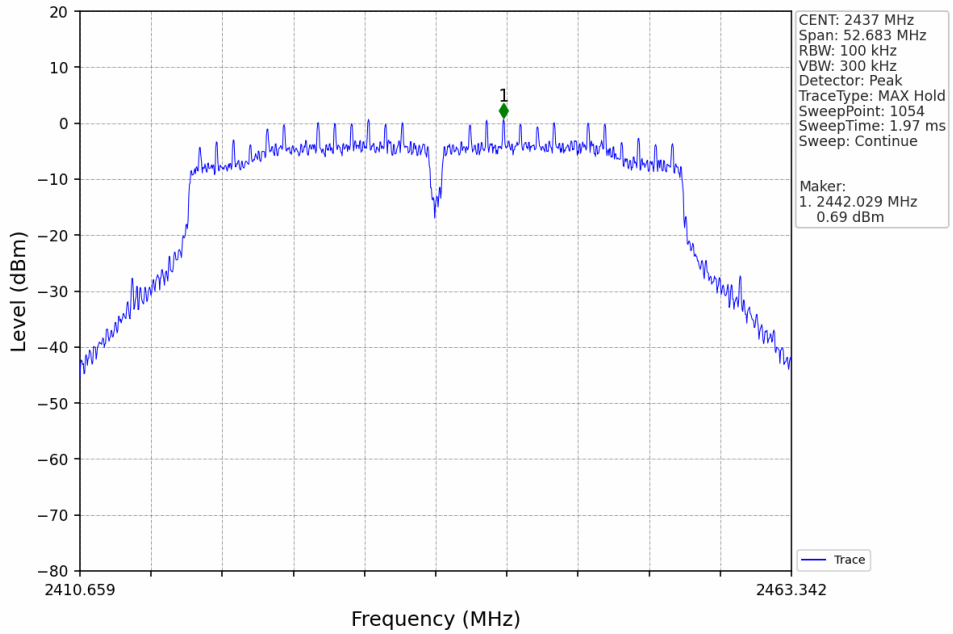
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



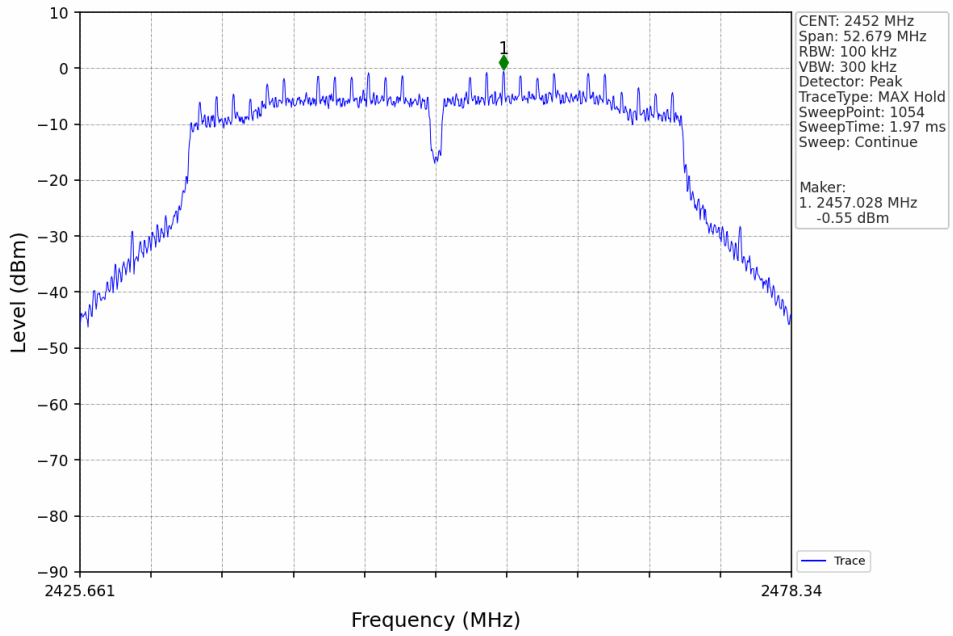
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



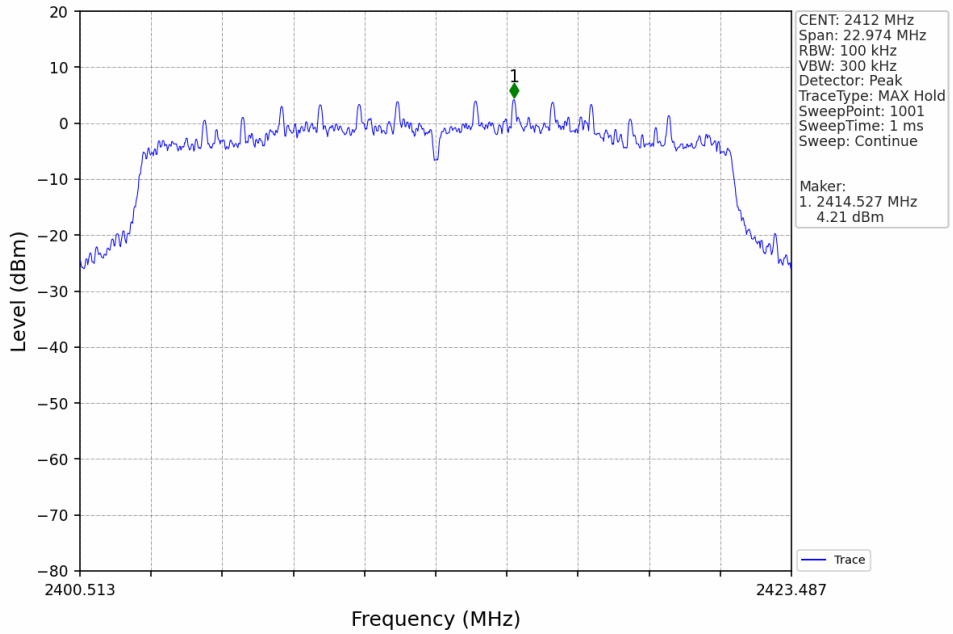
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



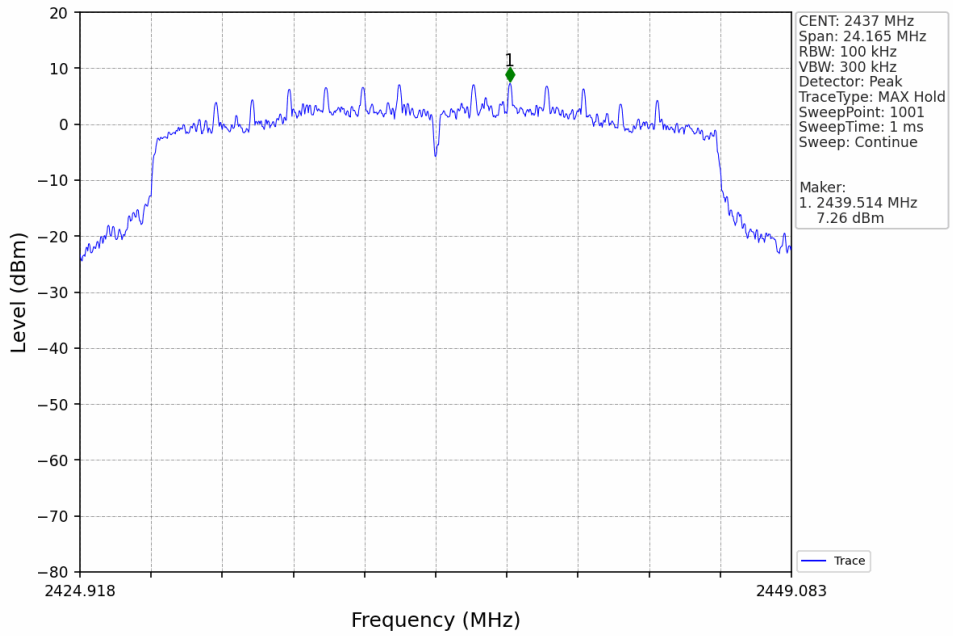
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



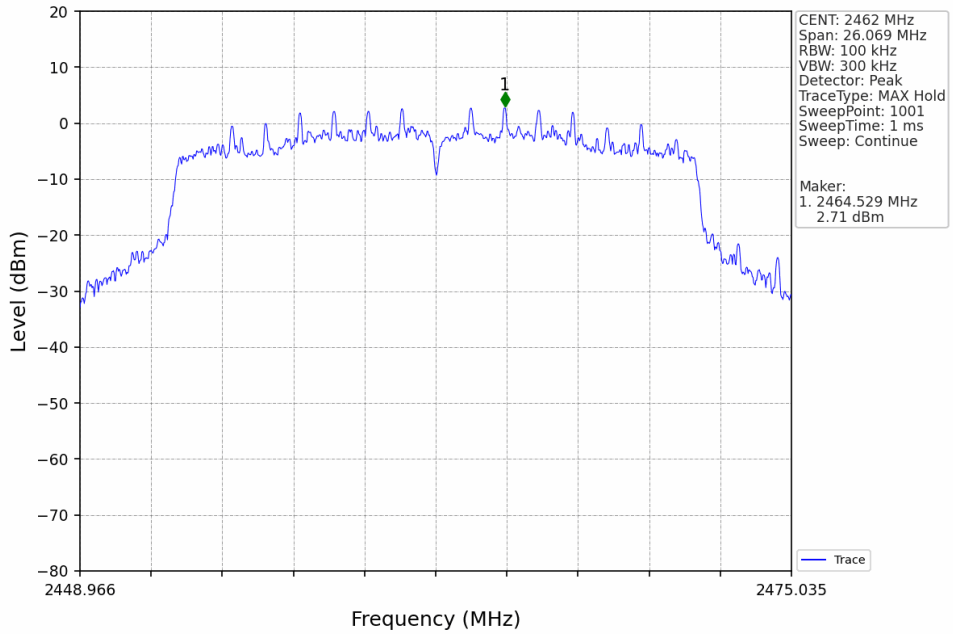
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



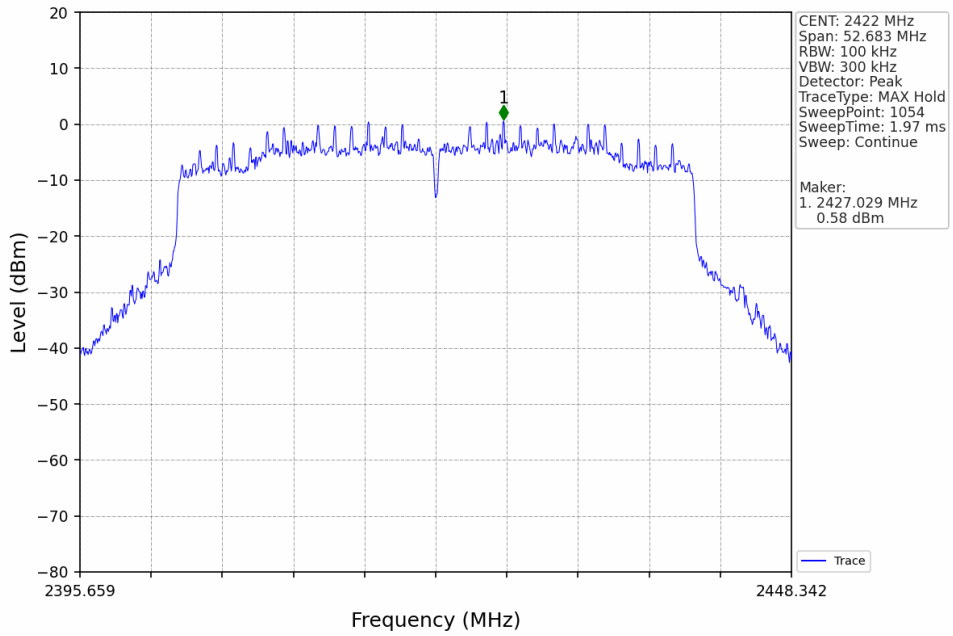
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (SISO)_NTNV



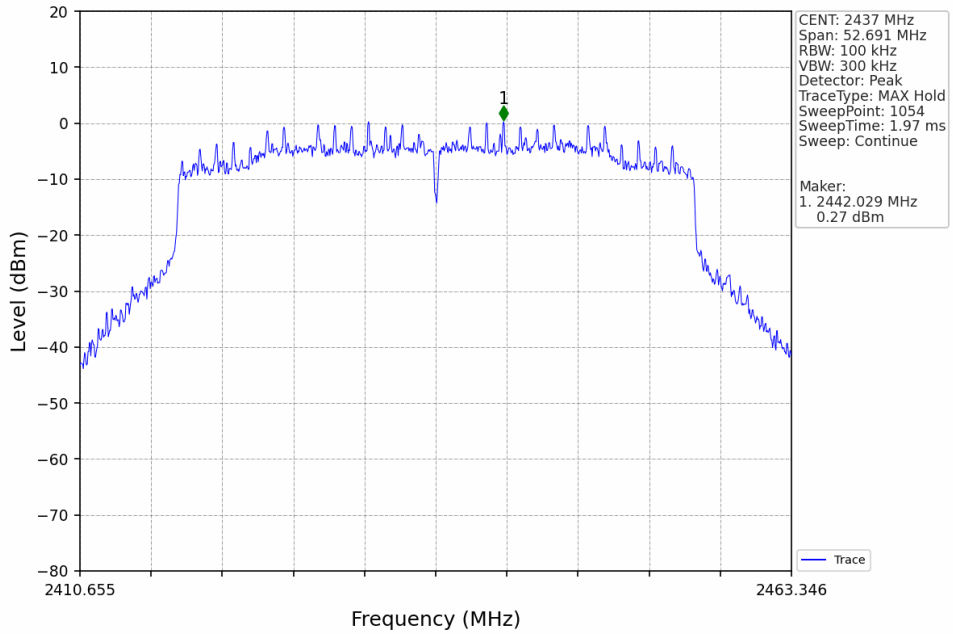
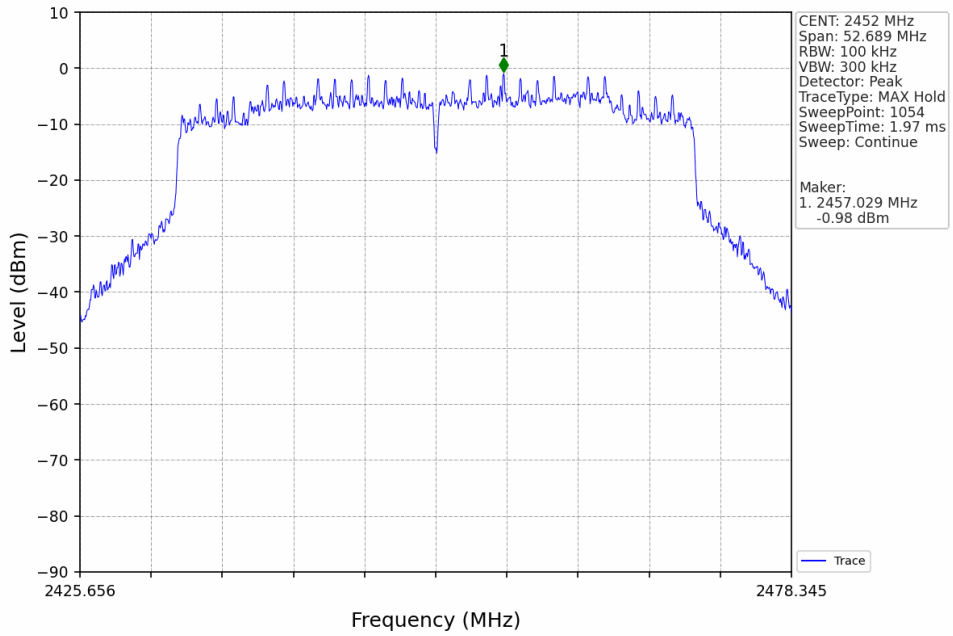
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (SISO)_NTNV



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