

1. Duty Cycle

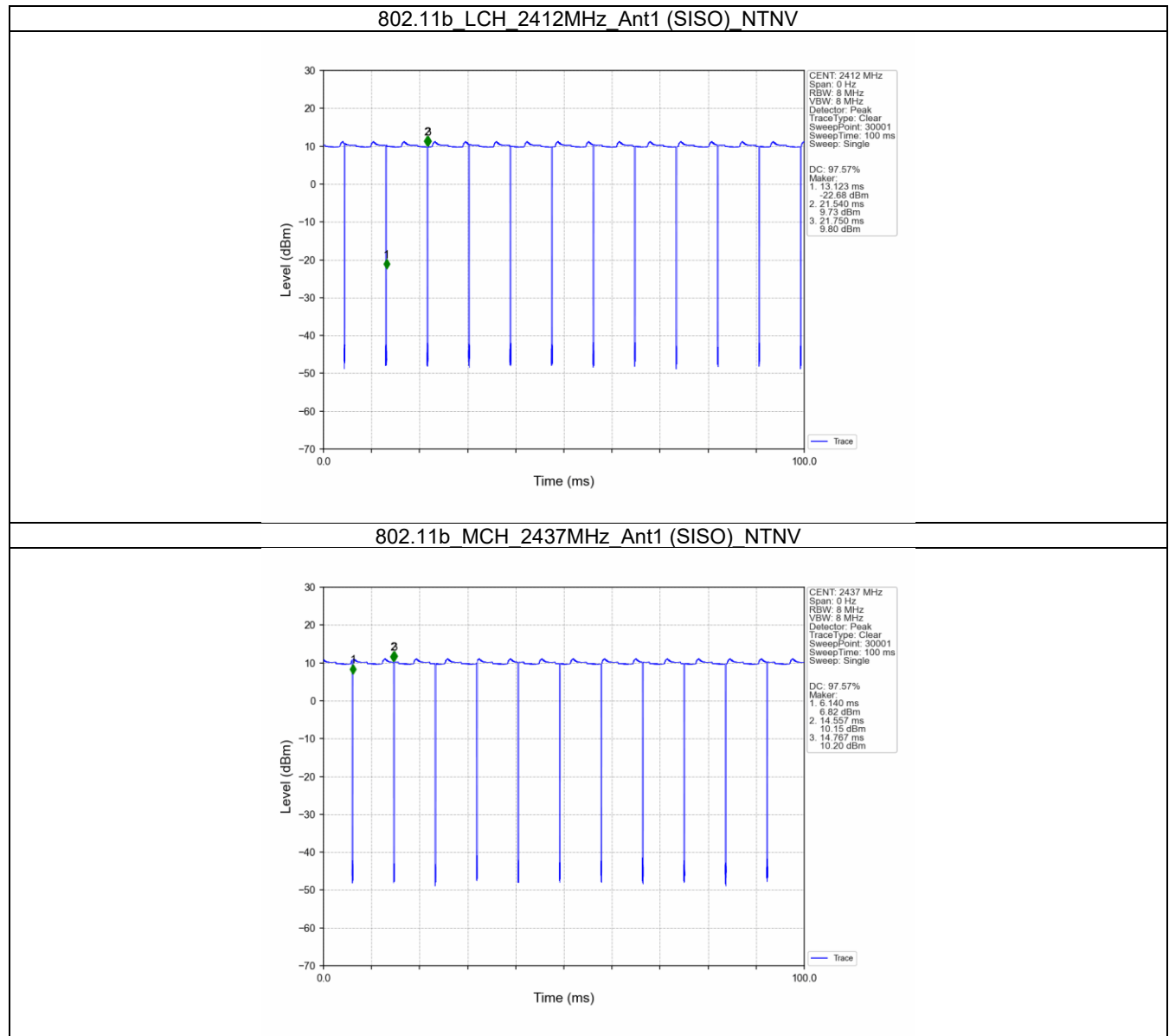
1.1 Test Result

1.1.1 Ant1

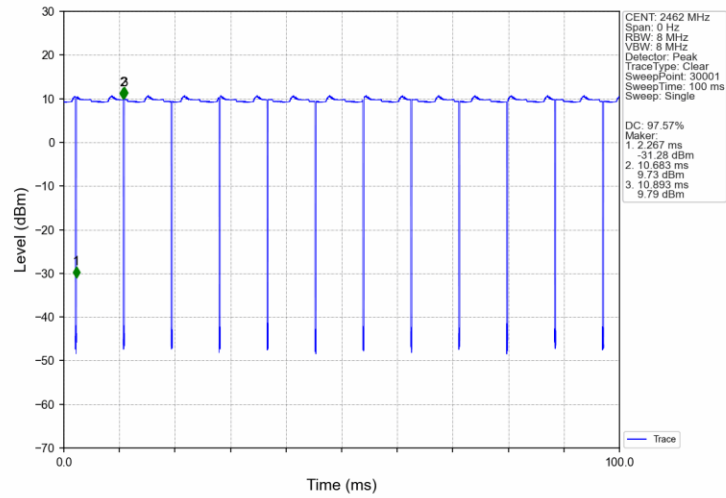
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.417	8.627	97.57	0.11	0.04
		2437	/	/	8.417	8.627	97.57	0.11	0.04
		2462	/	/	8.416	8.626	97.57	0.11	0.04
802.11g	SISO	2412	/	/	1.397	1.607	86.93	0.61	0.09
		2437	/	/	1.397	1.605	87.04	0.60	0.03
		2462	/	/	1.397	1.605	87.04	0.60	0.03
802.11n (HT20)	SISO	2412	/	/	1.309	1.518	86.23	0.64	0.04
		2437	/	/	1.308	1.517	86.22	0.64	0.00
		2462	/	/	1.308	1.517	86.22	0.64	0.03
802.11n (HT40)	SISO	2422	/	/	0.649	0.857	75.73	1.21	0.04
		2437	/	/	0.649	0.857	75.73	1.21	0.04
		2452	/	/	0.649	0.858	75.64	1.21	0.05
802.11n (HT20)	MIMO	2412	/	/	1.310	1.518	86.30	0.64	0.03
		2437	/	/	1.310	1.518	86.30	0.64	0.03
		2462	/	/	1.309	1.518	86.23	0.64	0.03
802.11n (HT40)	MIMO	2422	/	/	0.649	0.857	75.73	1.21	0.04
		2437	/	/	0.649	0.857	75.73	1.21	0.04
		2452	/	/	0.648	0.857	75.61	1.21	0.06
802.11ax (HEW20)	SISO	2412	SU	/	0.208	0.417	49.88	3.02	0.05
		2437	SU	/	0.207	0.417	49.64	3.04	0.05
		2462	SU	/	0.208	0.417	49.88	3.02	0.06
802.11ax (HEW40)	SISO	2422	SU	/	0.204	0.413	49.39	3.06	0.05
		2437	SU	/	0.204	0.413	49.39	3.06	0.06
		2452	SU	/	0.204	0.413	49.39	3.06	0.06
802.11ax (HEW20)	MIMO	2412	SU	/	0.208	0.417	49.88	3.02	0.05
		2437	SU	/	0.207	0.417	49.64	3.04	0.05
		2462	SU	/	0.207	0.417	49.64	3.04	0.03
802.11ax (HEW40)	MIMO	2422	SU	/	0.203	0.413	49.15	3.08	0.05
		2437	SU	/	0.204	0.413	49.39	3.06	0.05
		2452	SU	/	0.204	0.413	49.39	3.06	0.05

1.2 Test Graph

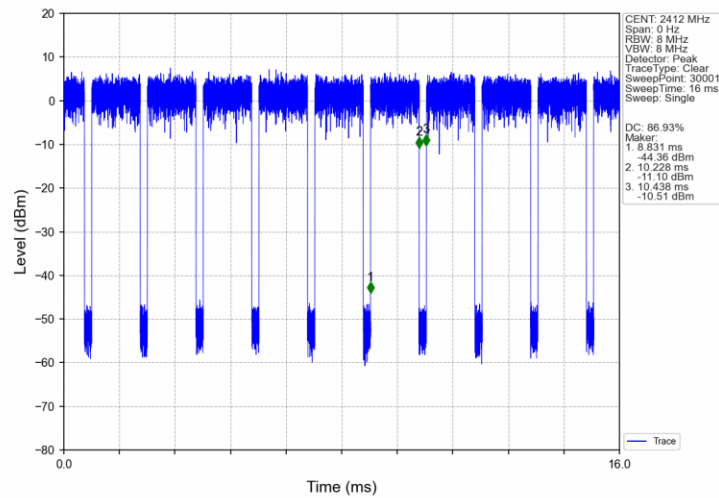
1.2.1 Ant1



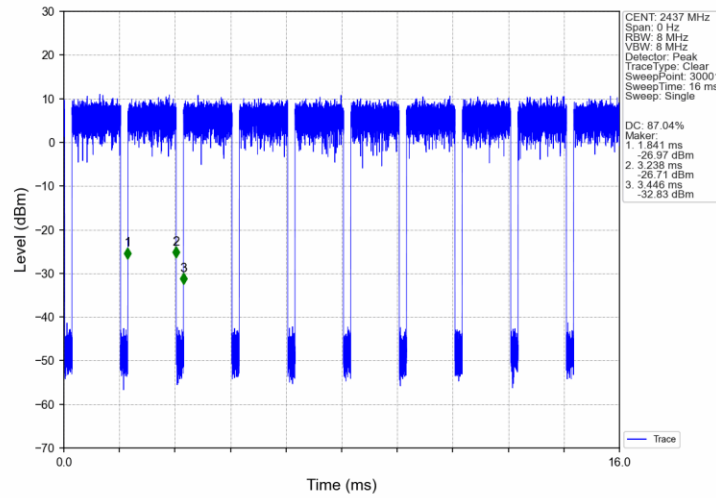
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



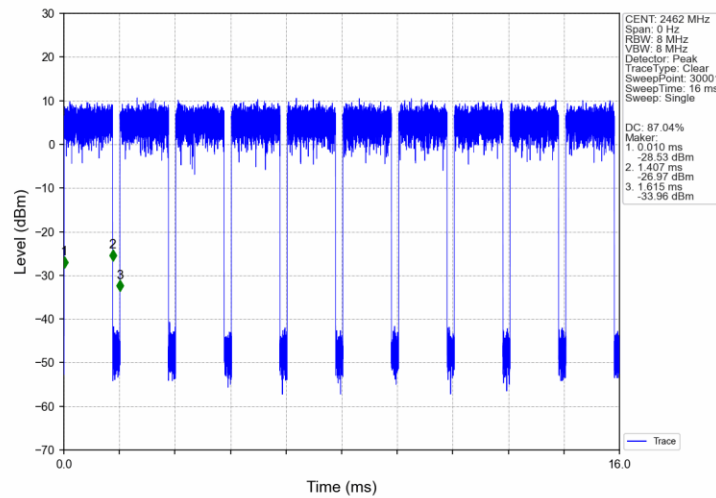
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



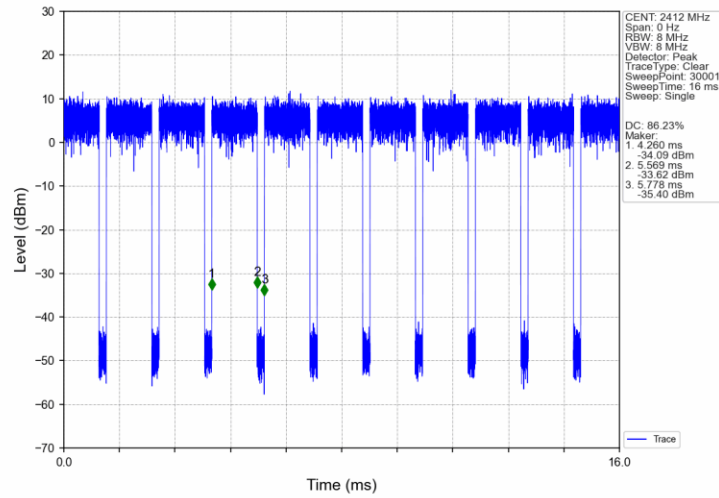
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



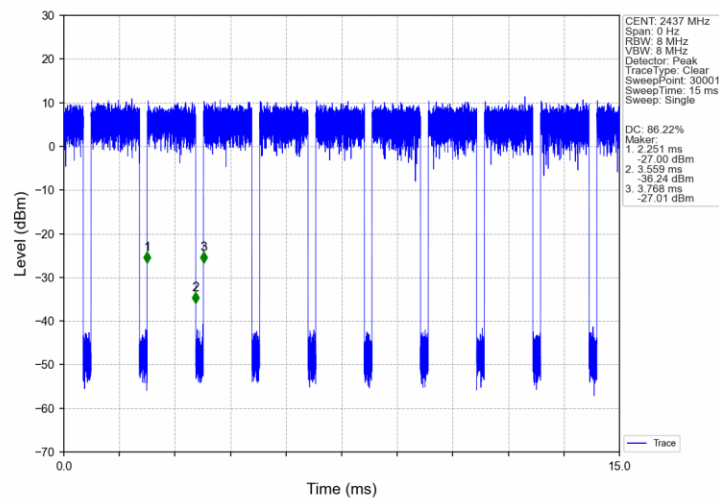
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



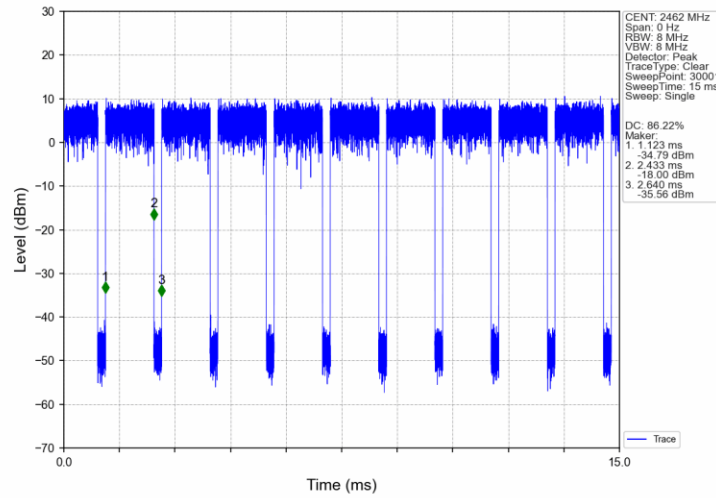
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



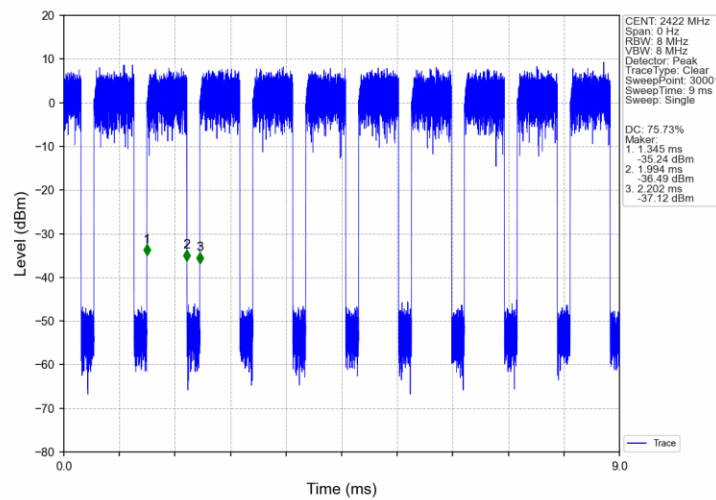
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



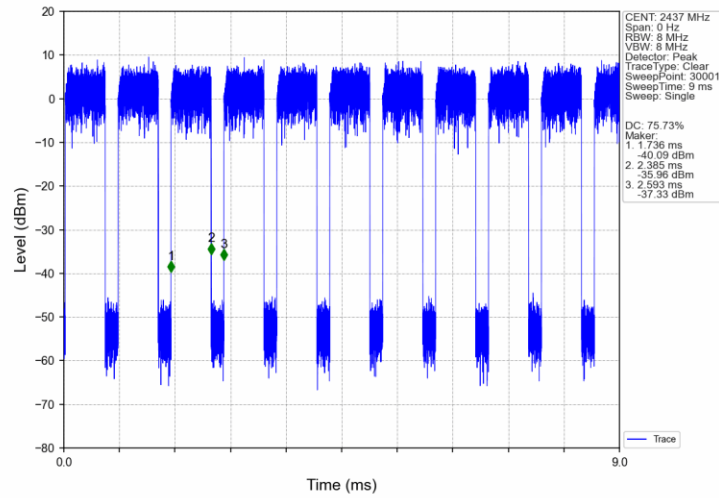
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



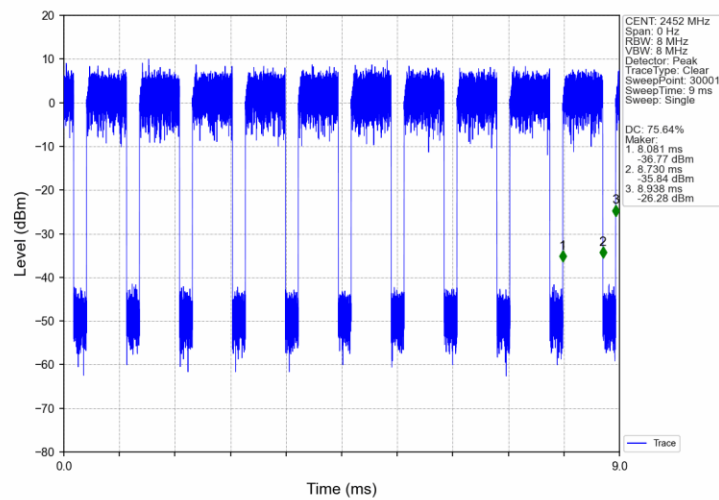
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



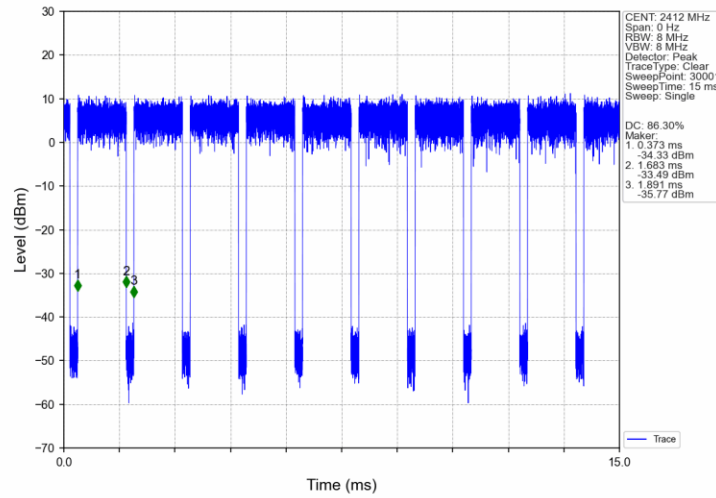
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



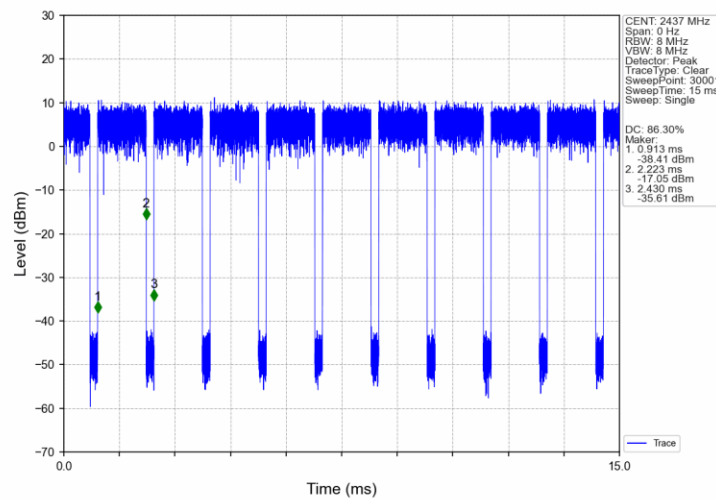
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



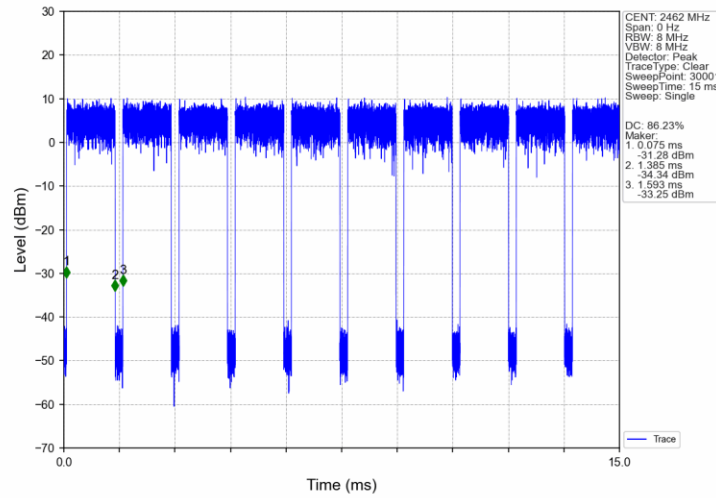
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



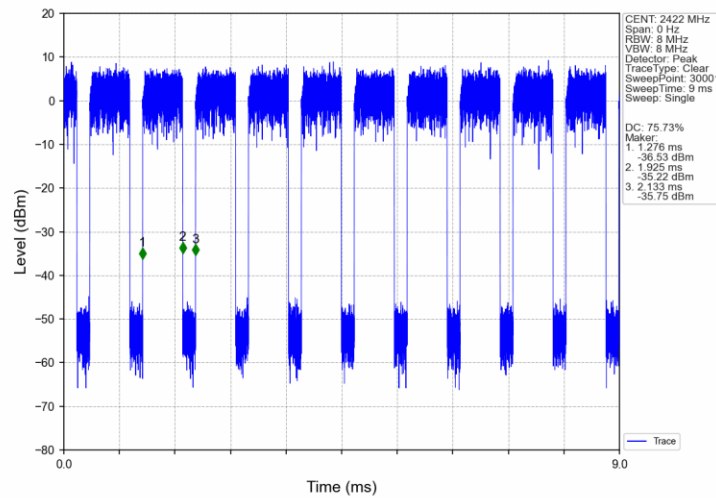
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



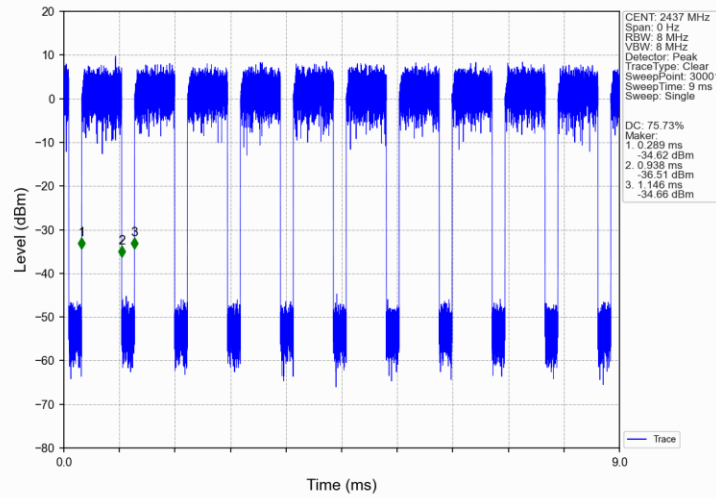
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



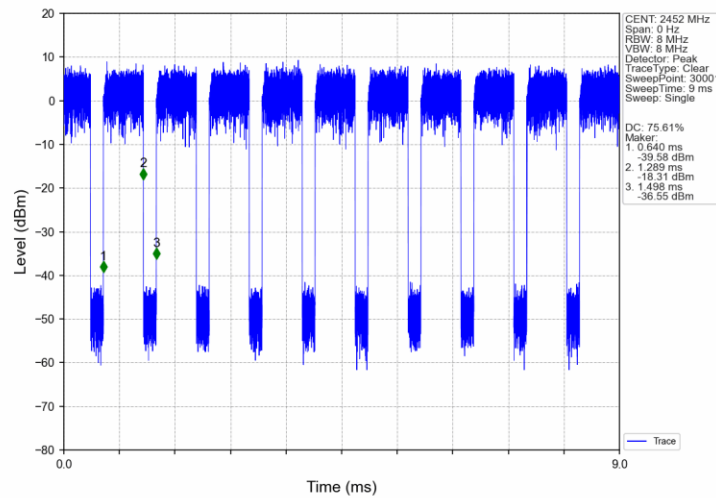
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



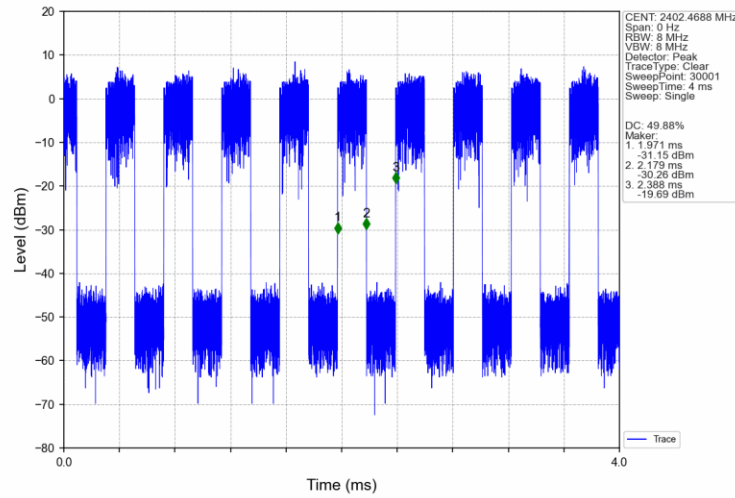
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



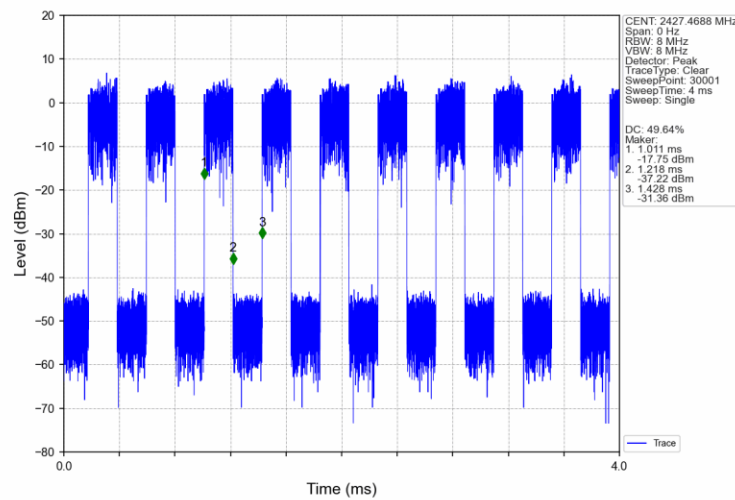
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



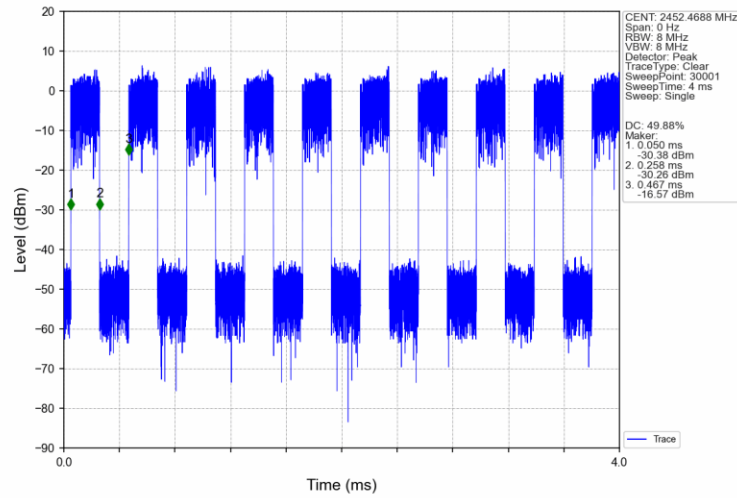
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (SISO)_NTNV



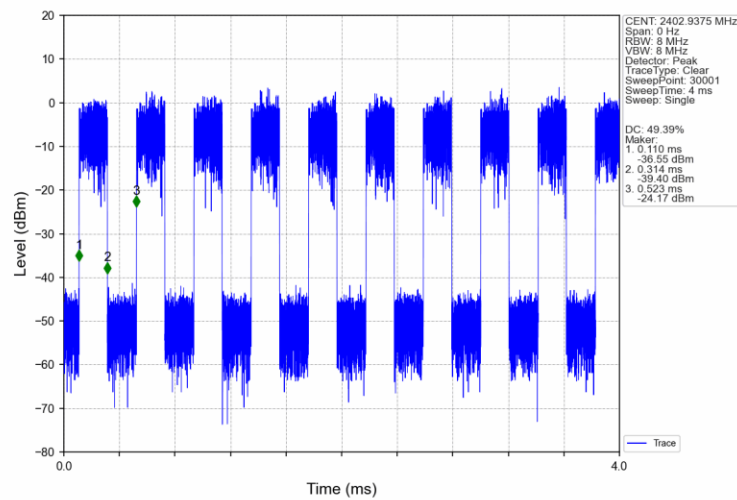
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (SISO)_NTNV



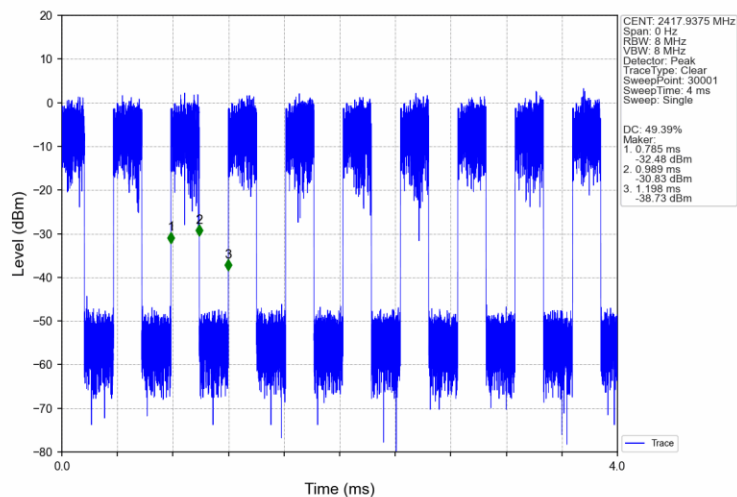
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



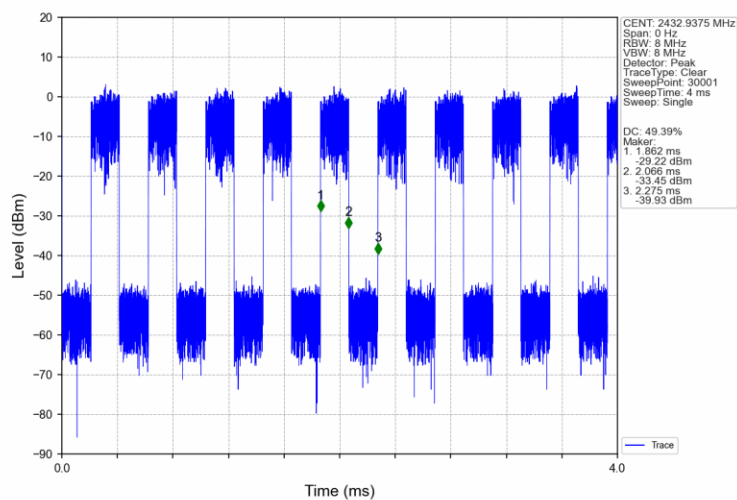
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (SISO)_NTNV



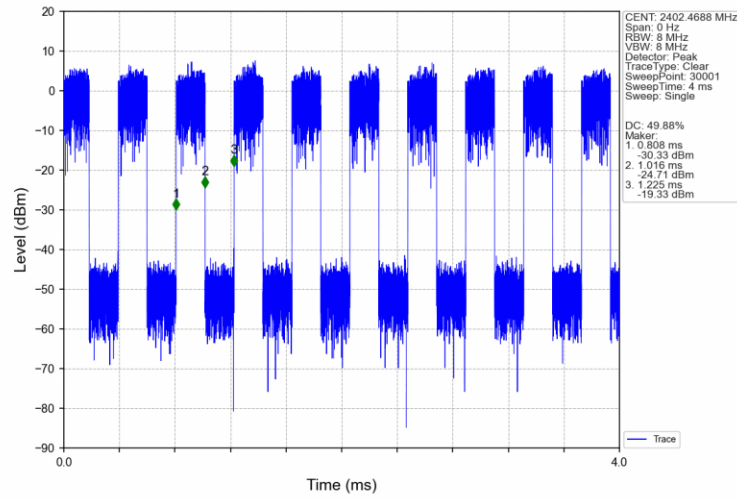
802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



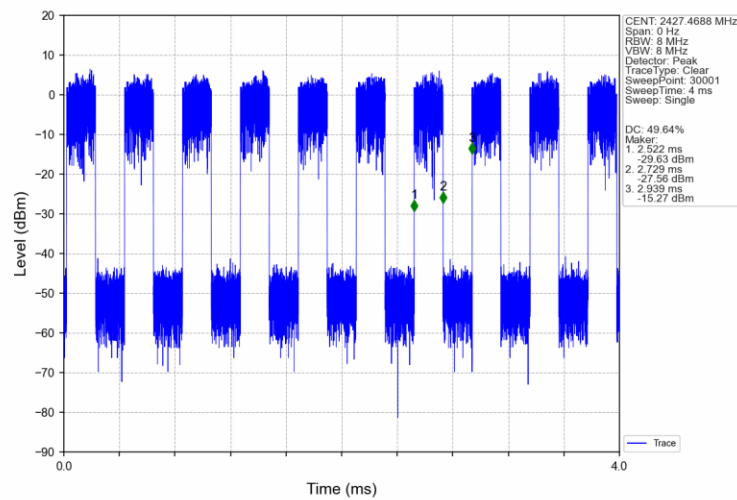
802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV



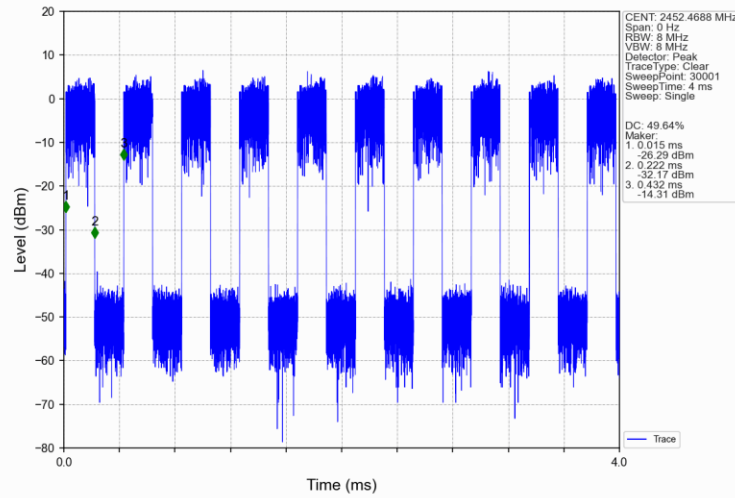
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



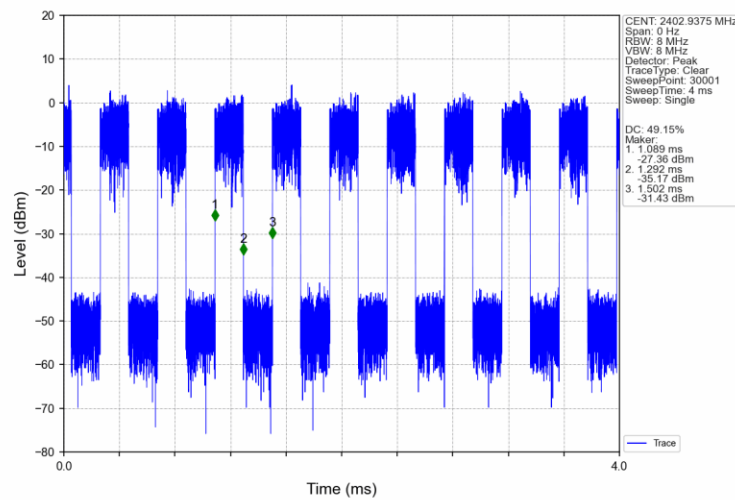
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



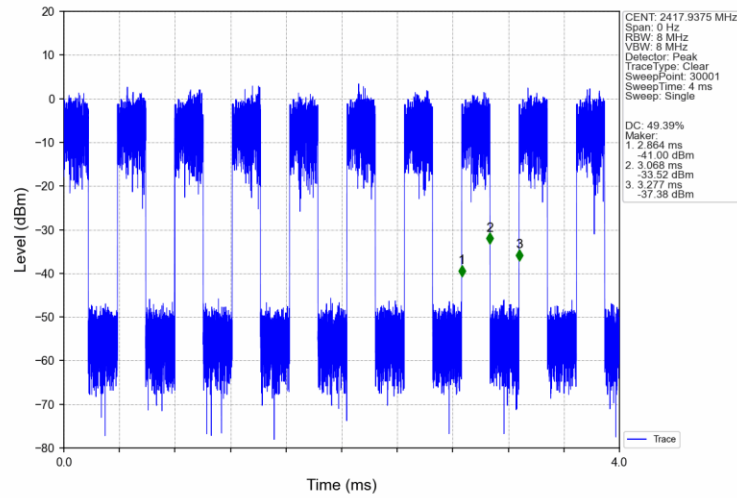
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (MIMO)_NTNV



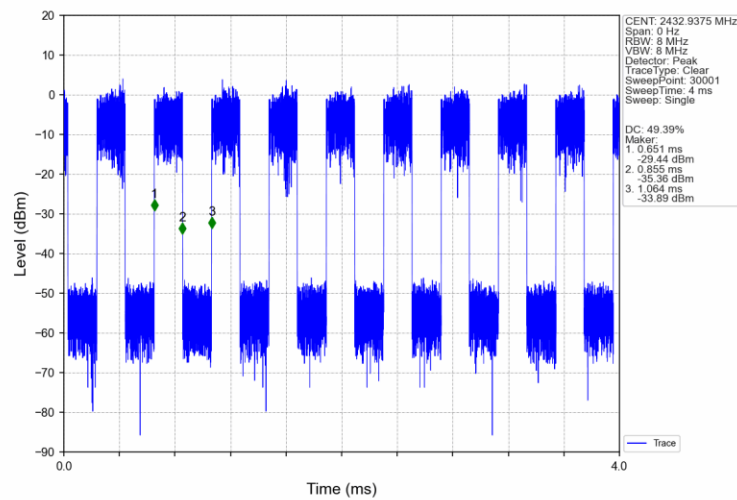
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_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	11.667	/	Pass
		2437	/	/	1	12.014	/	Pass
		2462	/	/	1	11.929	/	Pass
802.11g	SISO	2412	/	/	1	17.313	/	Pass
		2437	/	/	1	18.290	/	Pass
		2462	/	/	1	17.441	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.065	/	Pass
		2437	/	/	1	18.259	/	Pass
		2462	/	/	1	18.164	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.046	/	Pass
		2437	/	/	1	36.457	/	Pass
		2452	/	/	1	37.256	/	Pass
802.11n (HT20)	MIMO	2412	/	/	1	18.103	/	Pass
		2437	/	/	1	18.270	/	Pass
		2462	/	/	1	18.163	/	Pass
802.11n (HT40)	MIMO	2422	/	/	1	36.174	/	Pass
		2437	/	/	1	36.562	/	Pass
		2452	/	/	1	37.221	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.092	/	Pass
		2437	SU	/	1	18.256	/	Pass
		2462	SU	/	1	18.126	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	6.360	/	Pass
		2437	SU	/	1	36.613	/	Pass
		2452	SU	/	1	37.208	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	18.148	/	Pass
		2437	SU	/	1	18.290	/	Pass
		2462	SU	/	1	18.157	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	36.111	/	Pass
		2437	SU	/	1	36.540	/	Pass
		2452	SU	/	1	37.186	/	Pass

Remark: All the patterns have been tested, and only the worst data is reflected in the report.

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	9.771	>=0.5	Pass
		2437	/	/	1	10.233	>=0.5	Pass
		2462	/	/	1	9.810	>=0.5	Pass
802.11g	SISO	2412	/	/	1	16.198	>=0.5	Pass
		2437	/	/	1	16.646	>=0.5	Pass
		2462	/	/	1	16.274	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.180	>=0.5	Pass
		2437	/	/	1	17.497	>=0.5	Pass
		2462	/	/	1	17.200	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	34.561	>=0.5	Pass
		2437	/	/	1	36.115	>=0.5	Pass

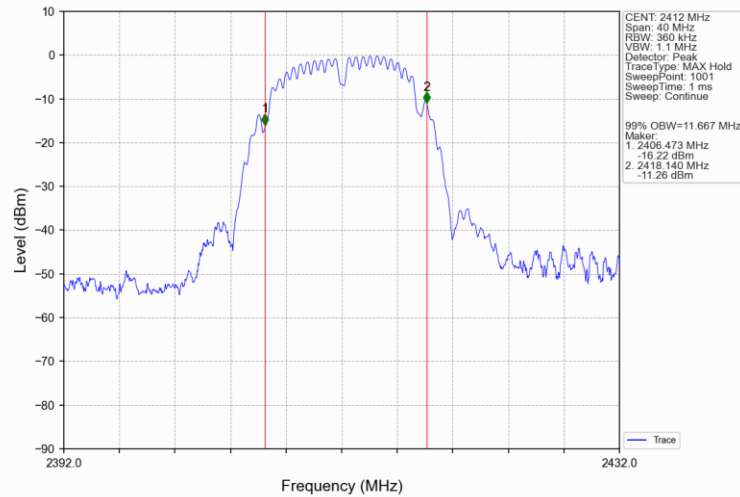
		2452	/	/	1	35.639	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	17.010	>=0.5	Pass
		2437	/	/	1	17.389	>=0.5	Pass
		2462	/	/	1	17.262	>=0.5	Pass
		2422	/	/	1	34.164	>=0.5	Pass
802.11n (HT40)	MIMO	2437	/	/	1	35.843	>=0.5	Pass
		2452	/	/	1	35.688	>=0.5	Pass
		2412	SU	/	1	17.097	>=0.5	Pass
		2437	SU	/	1	17.251	>=0.5	Pass
802.11ax (HEW20)	SISO	2462	SU	/	1	17.286	>=0.5	Pass
		2422	SU	/	1	34.756	>=0.5	Pass
		2437	SU	/	1	35.995	>=0.5	Pass
		2452	SU	/	1	35.943	>=0.5	Pass
802.11ax (HEW40)	SISO	2412	SU	/	1	17.134	>=0.5	Pass
		2437	SU	/	1	17.537	>=0.5	Pass
		2462	SU	/	1	17.262	>=0.5	Pass
		2422	SU	/	1	33.916	>=0.5	Pass
802.11ax (HEW20)	MIMO	2437	SU	/	1	36.009	>=0.5	Pass
		2452	SU	/	1	35.853	>=0.5	Pass
		2412	SU	/	1	17.134	>=0.5	Pass
		2437	SU	/	1	17.537	>=0.5	Pass
802.11ax (HEW40)	MIMO	2462	SU	/	1	17.262	>=0.5	Pass
		2422	SU	/	1	33.916	>=0.5	Pass
		2437	SU	/	1	36.009	>=0.5	Pass
		2452	SU	/	1	35.853	>=0.5	Pass

Remark: All the patterns have been tested, and only the worst data is reflected in the report.

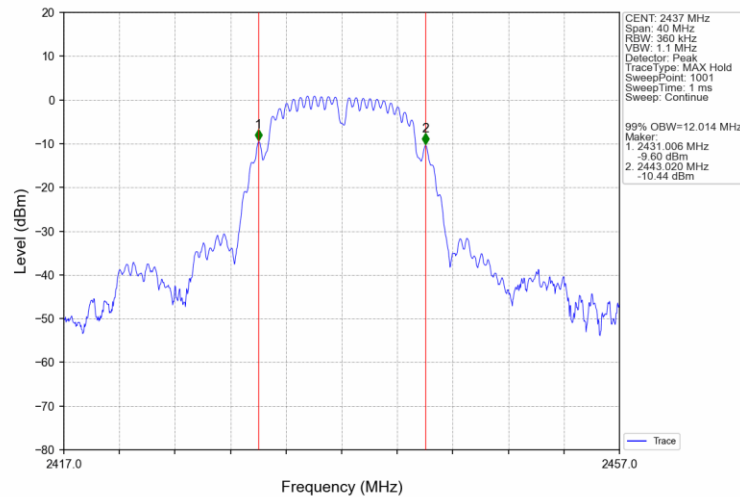
2.2 Test Graph

2.2.1 OBW

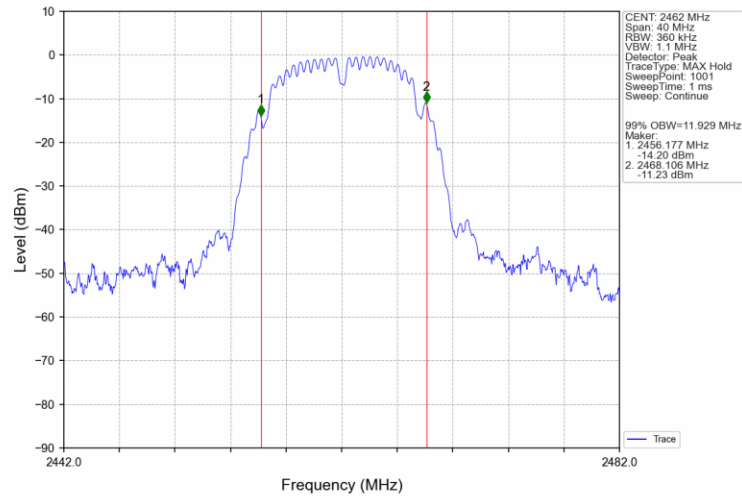
802.11b LCH 2412MHz_Ant1 (SISO) NTN



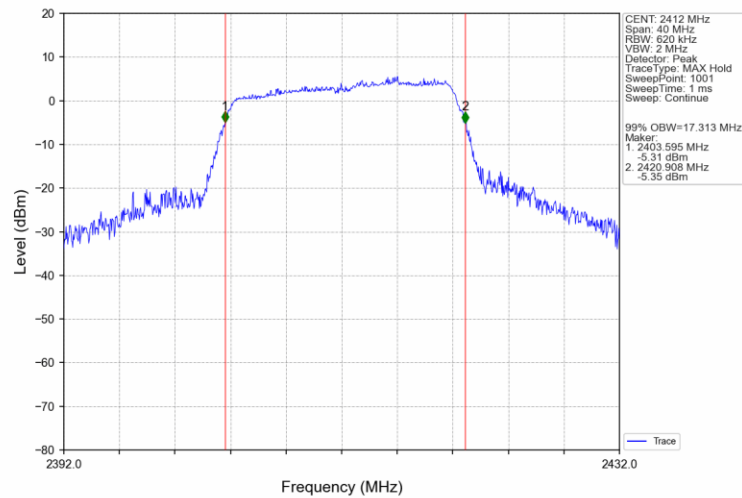
802.11b MCH 2437MHz_Ant1 (SISO) NTN



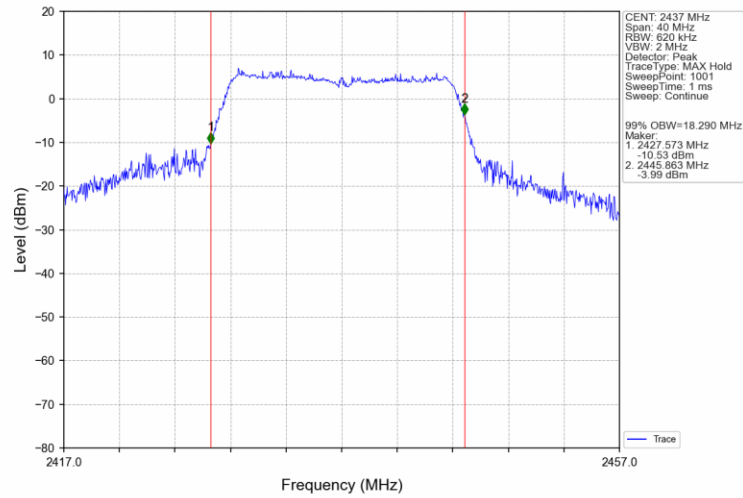
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



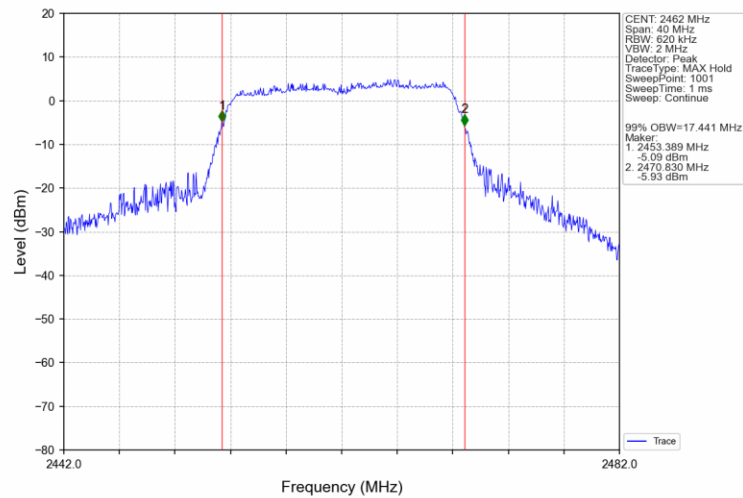
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



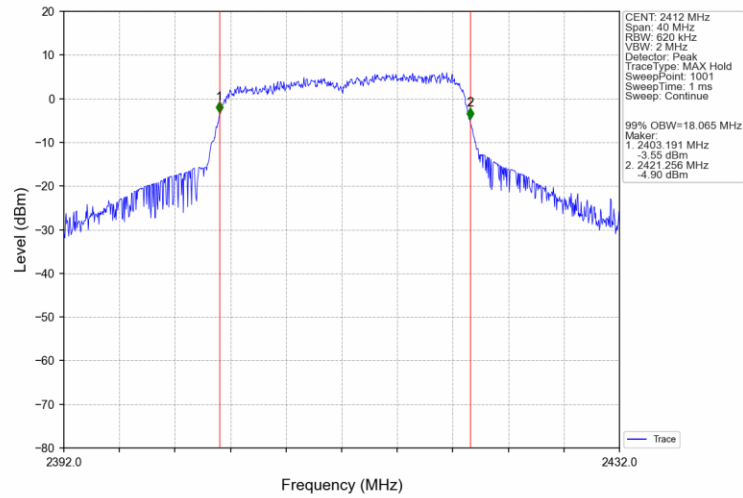
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



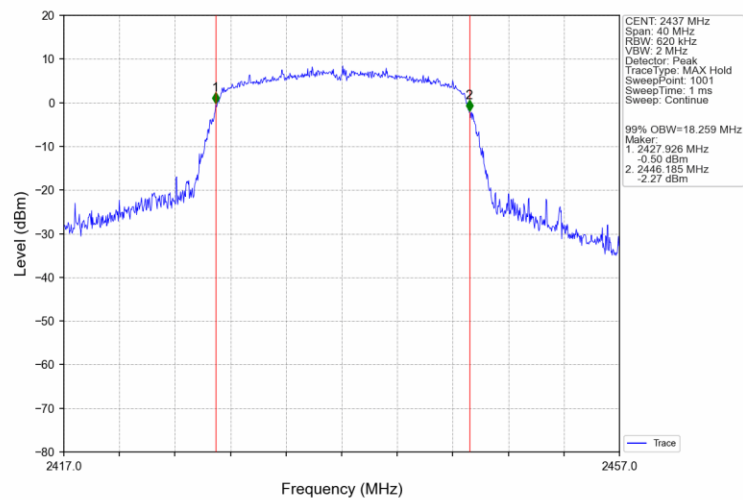
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



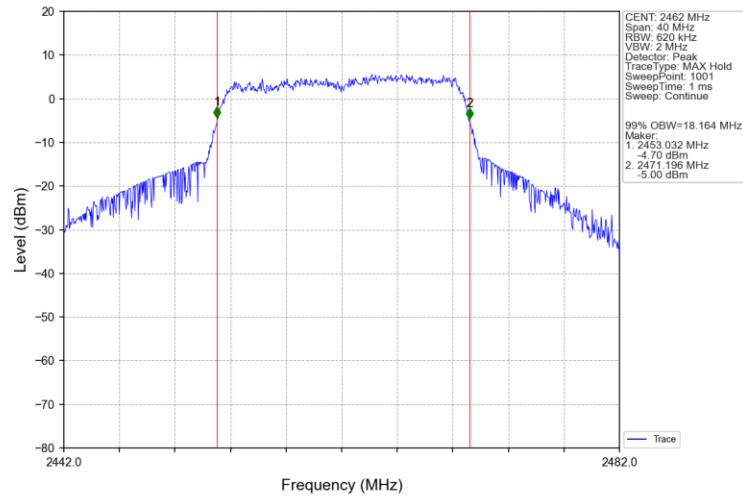
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



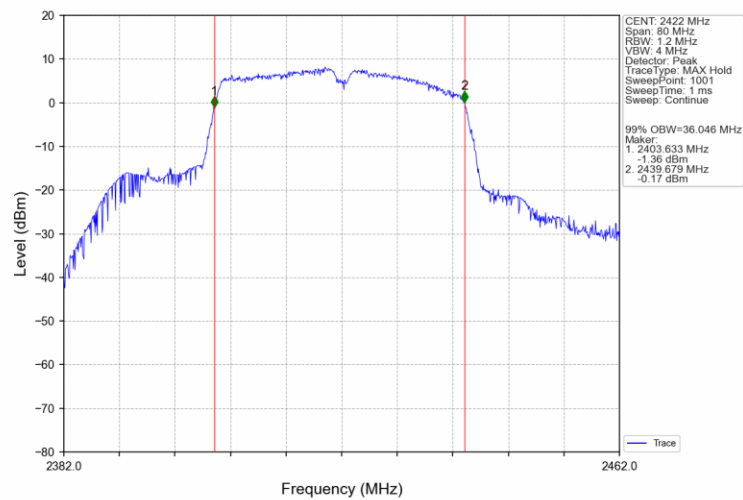
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



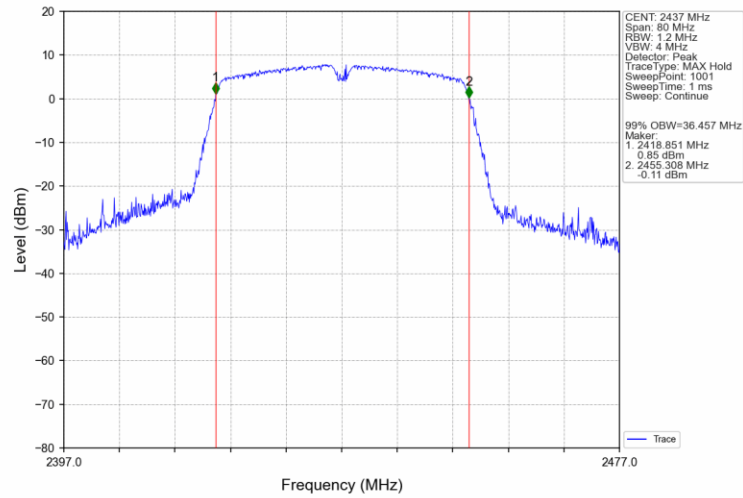
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



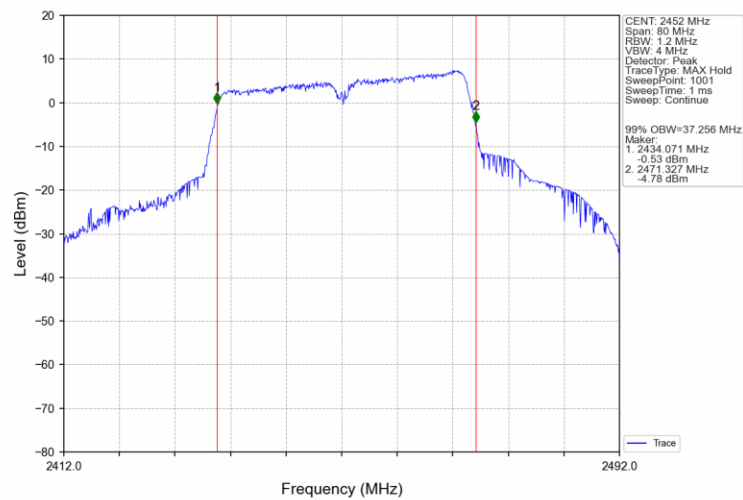
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



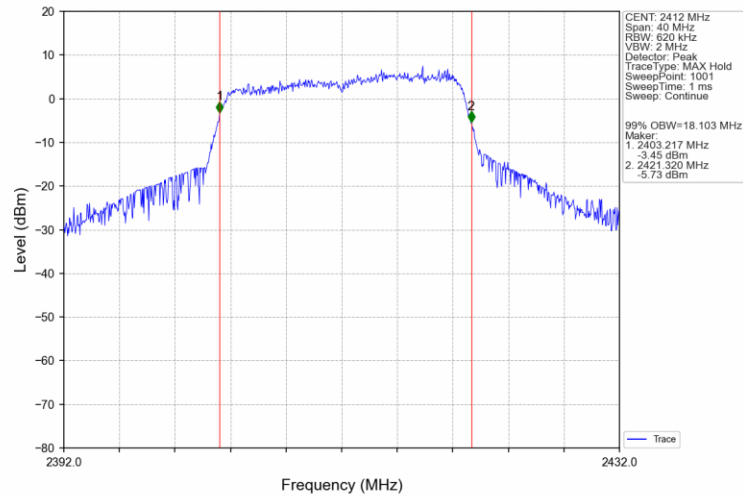
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



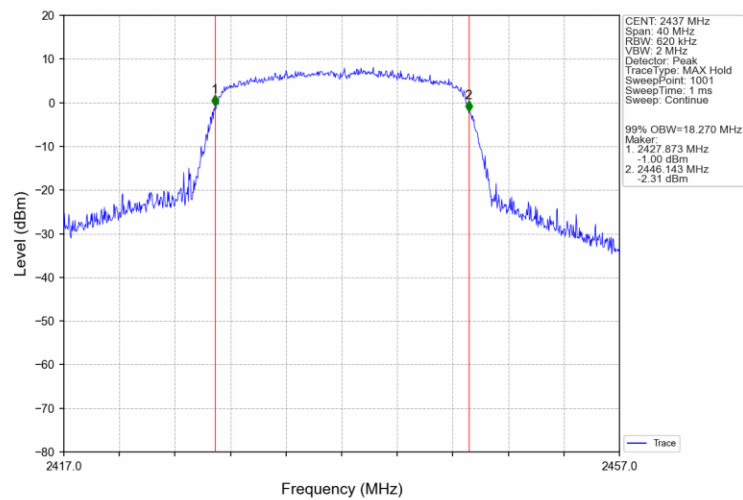
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



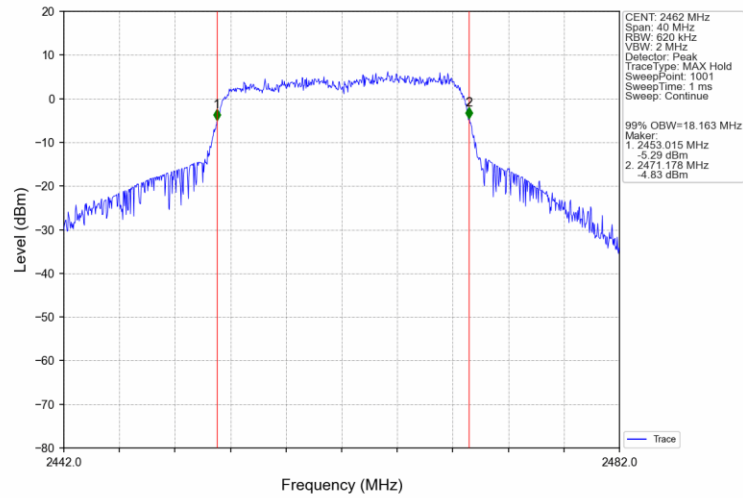
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



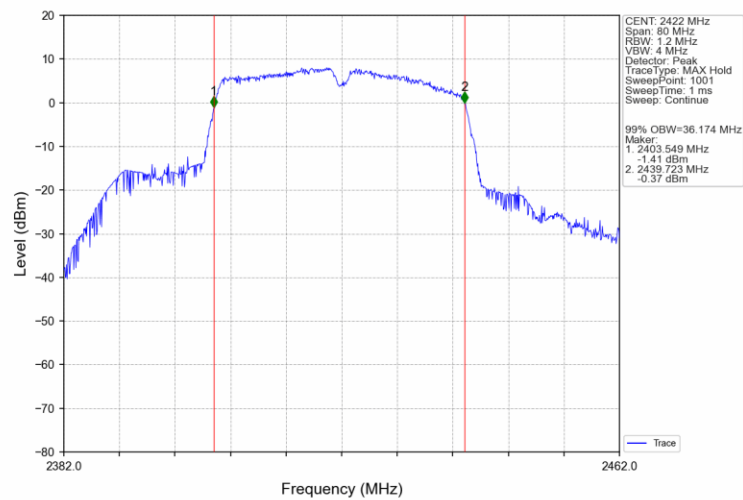
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



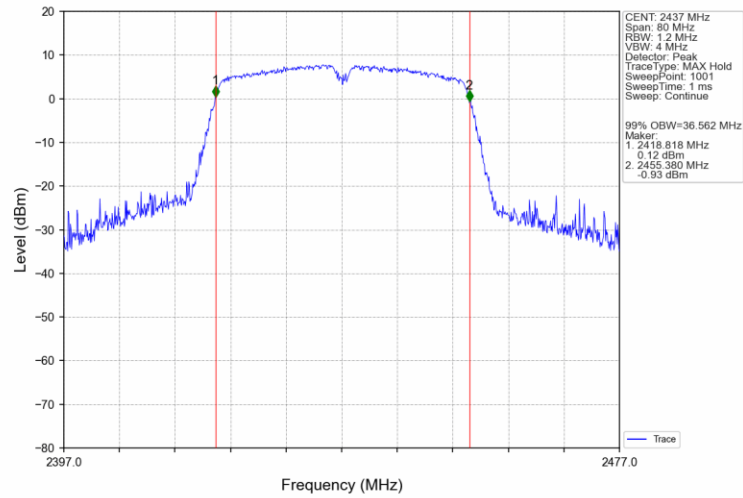
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



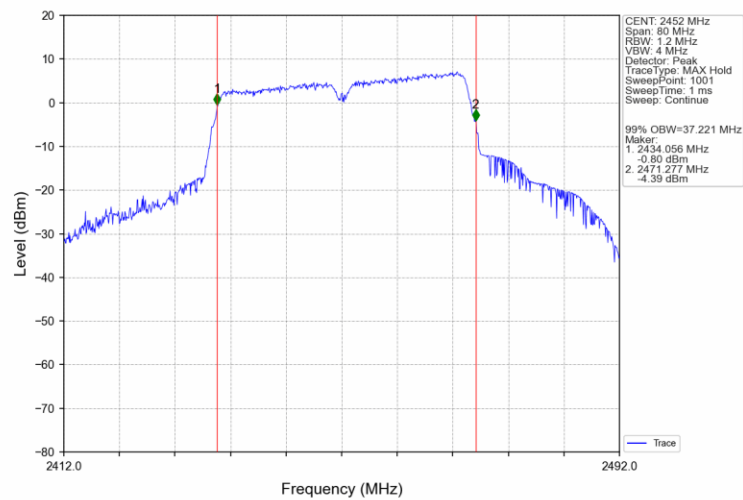
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



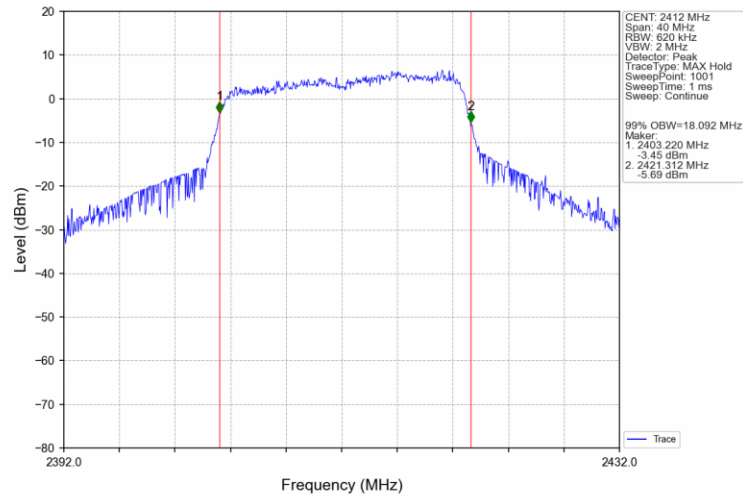
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



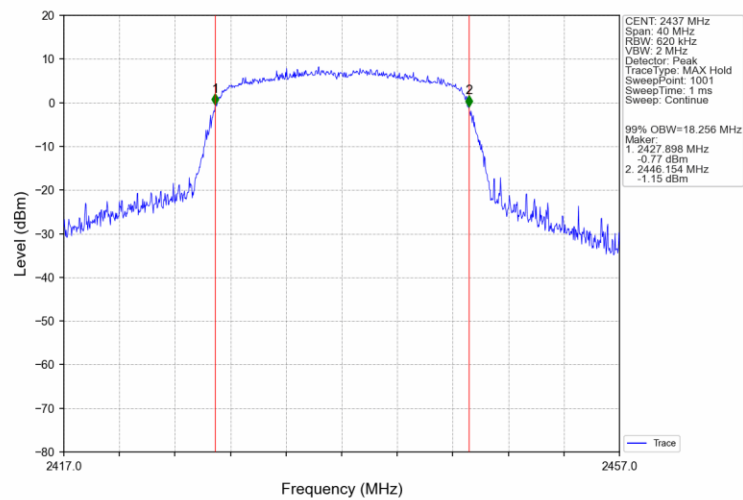
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



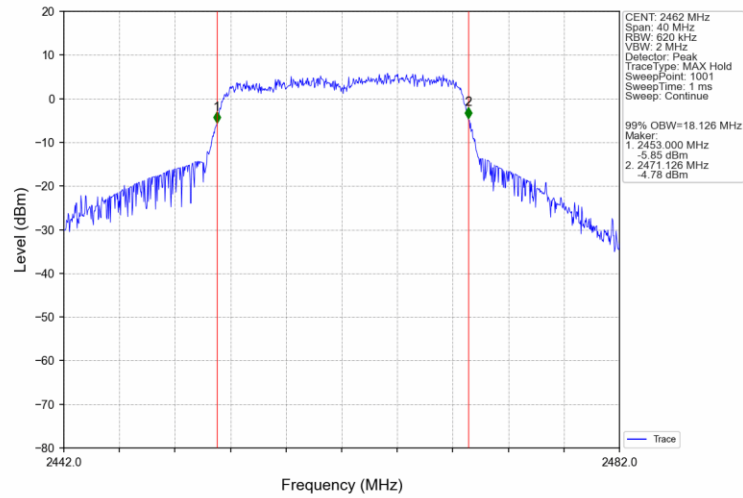
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



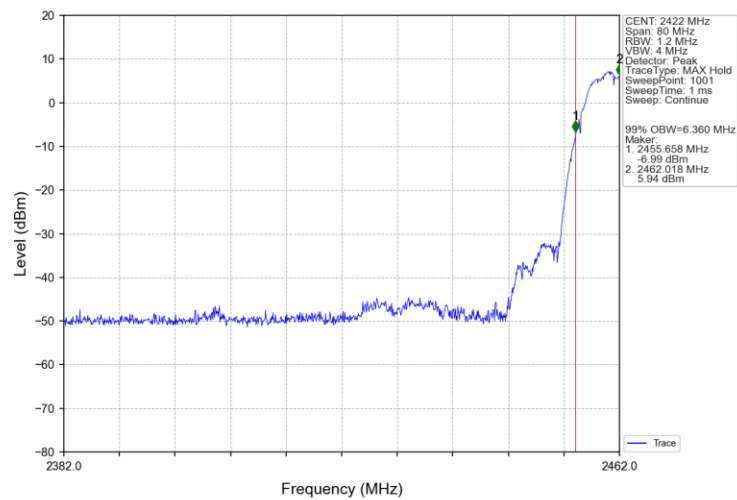
802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



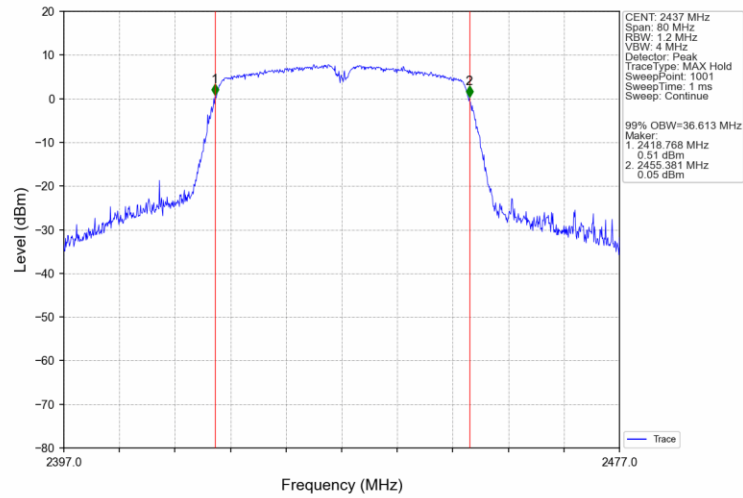
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



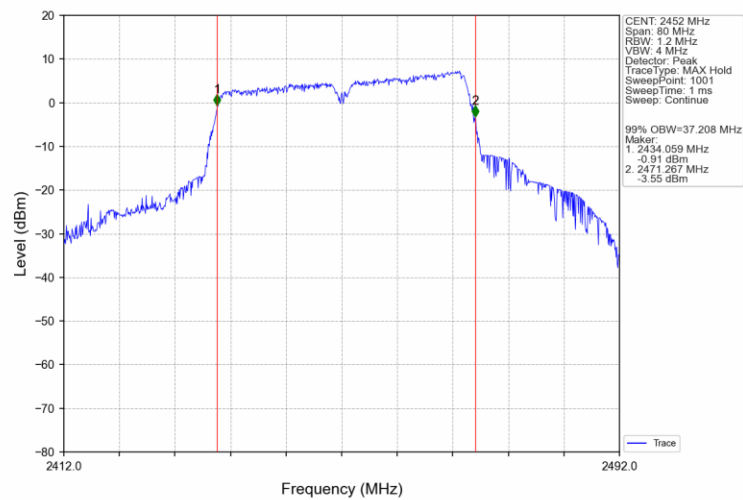
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (SISO)_NTNV



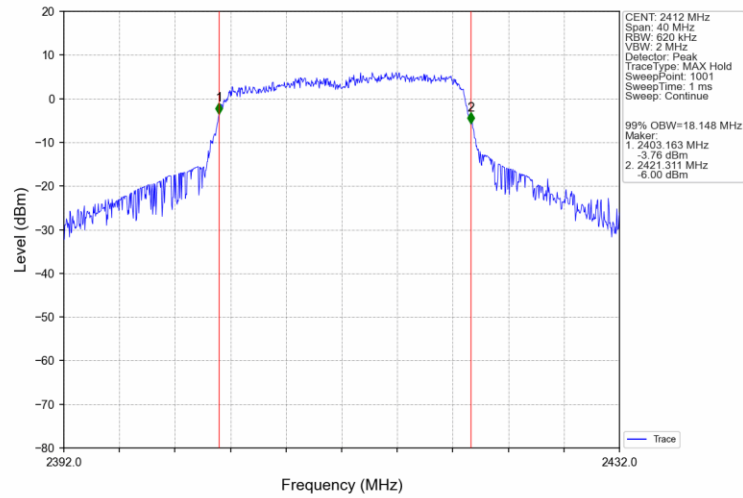
802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



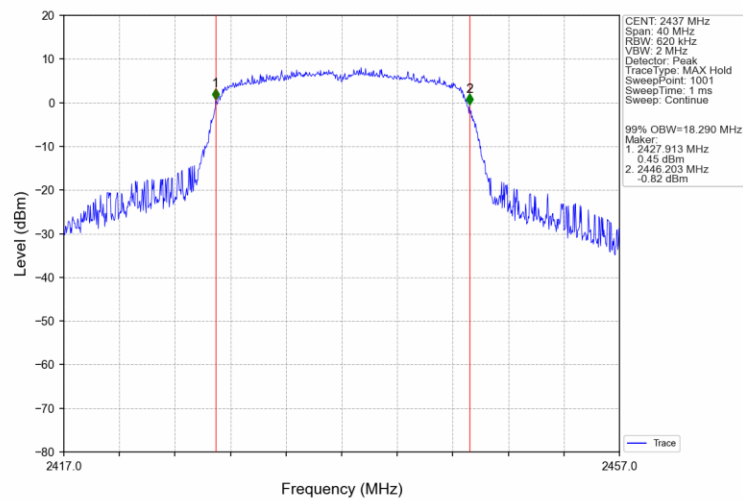
802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant1 (SISO)_NTNV



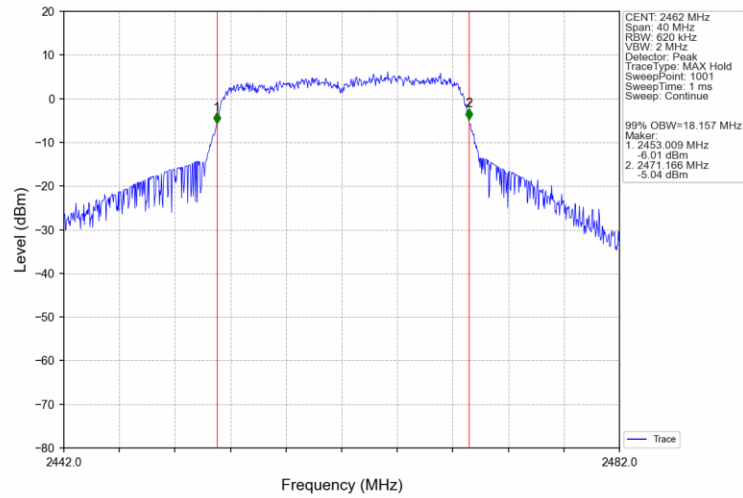
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



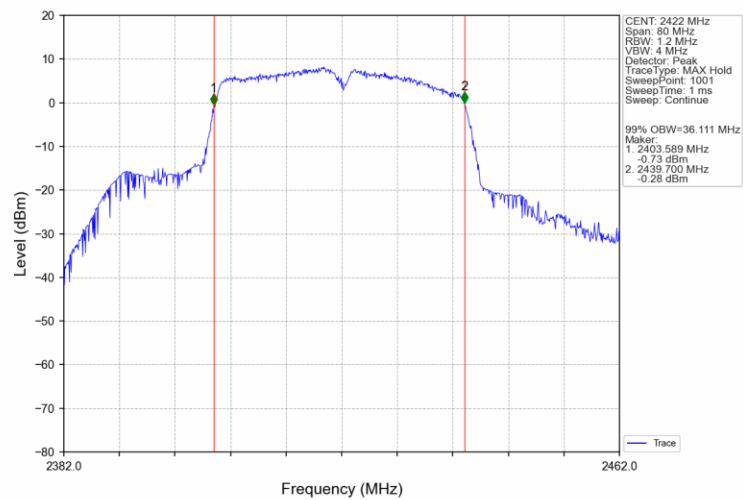
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



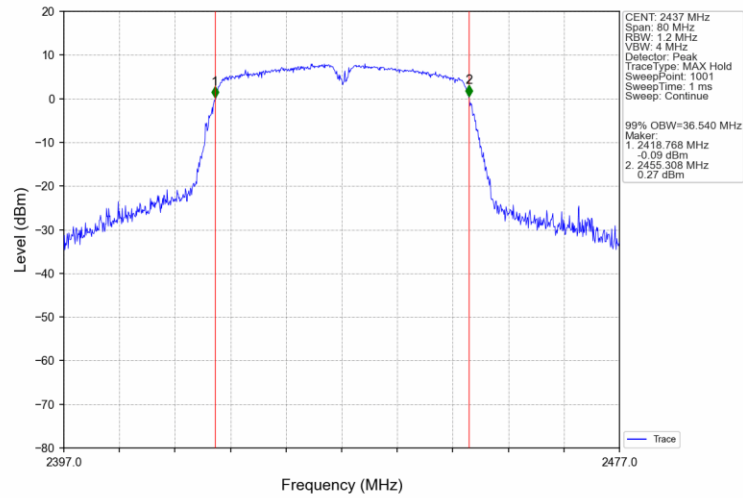
802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (MIMO)_NTNV



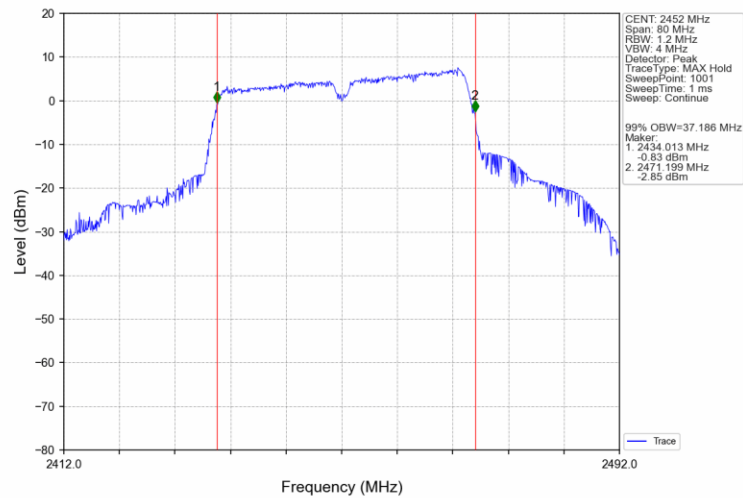
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV

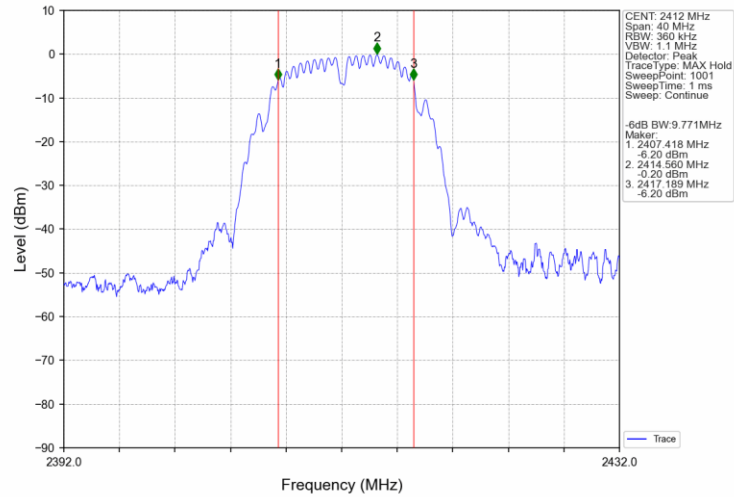


802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV

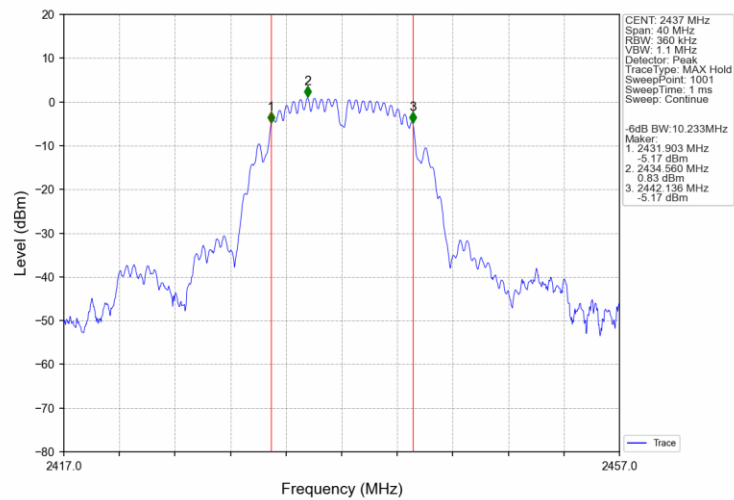


1.2.2 6dB BW

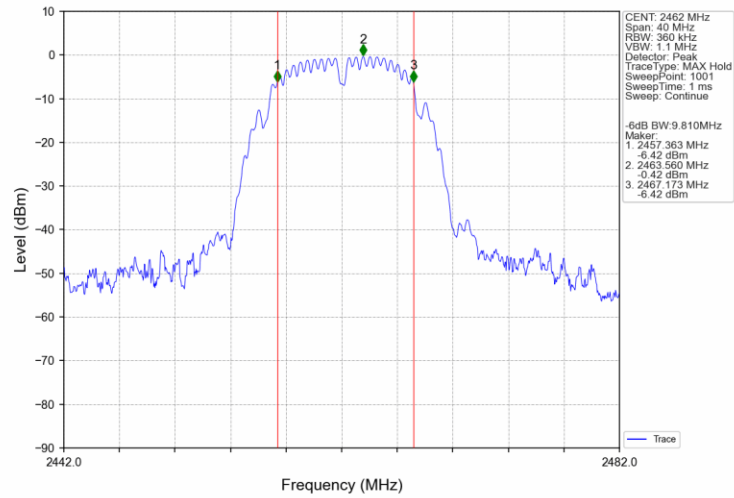
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



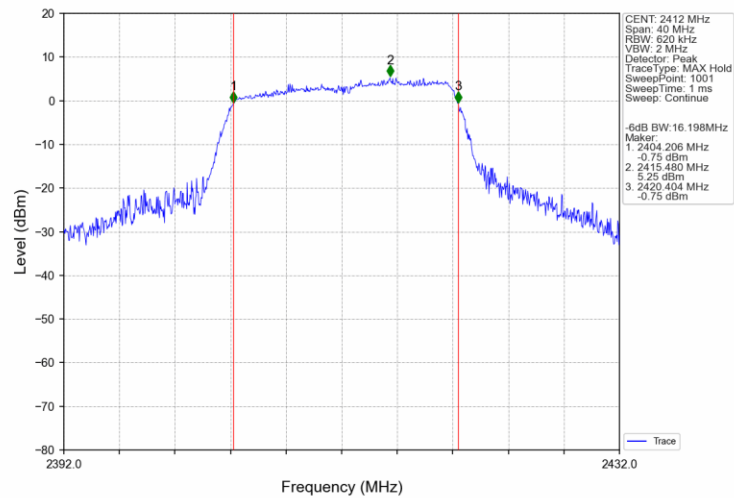
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



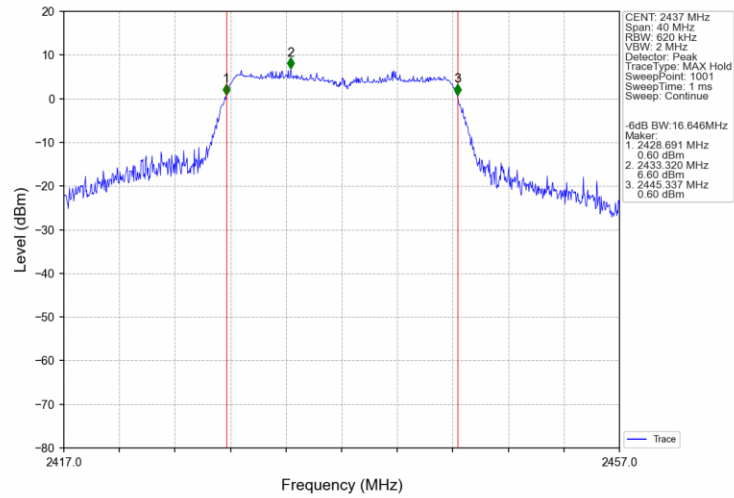
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



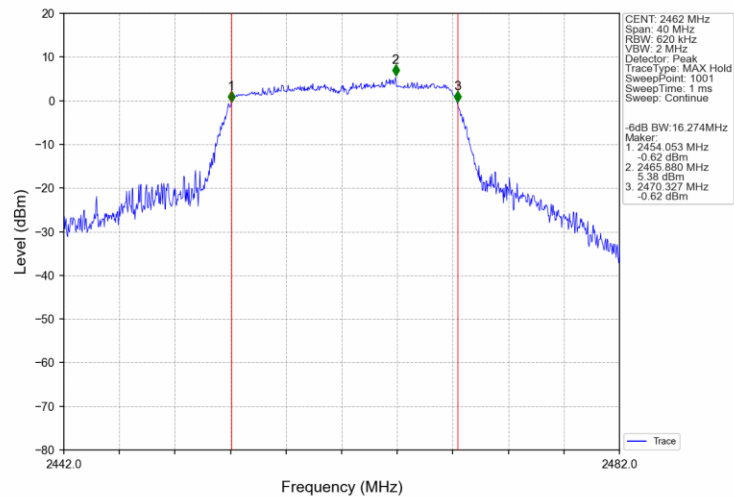
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



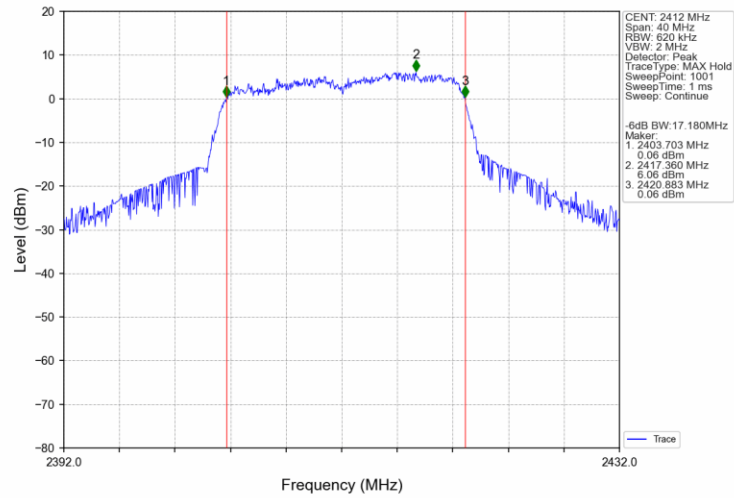
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



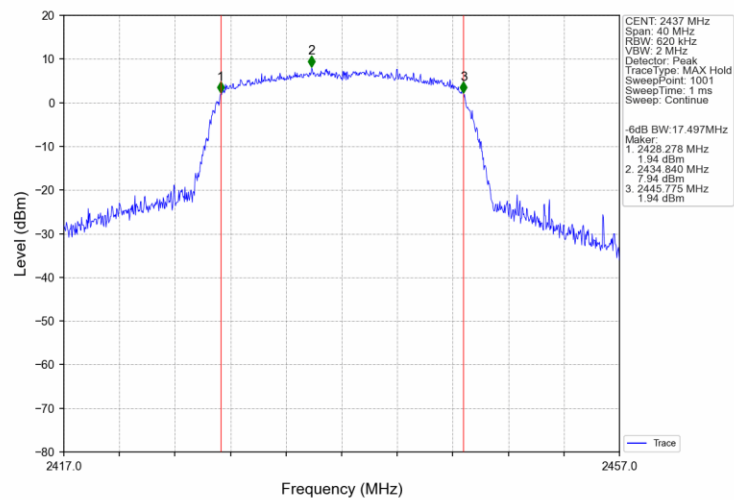
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



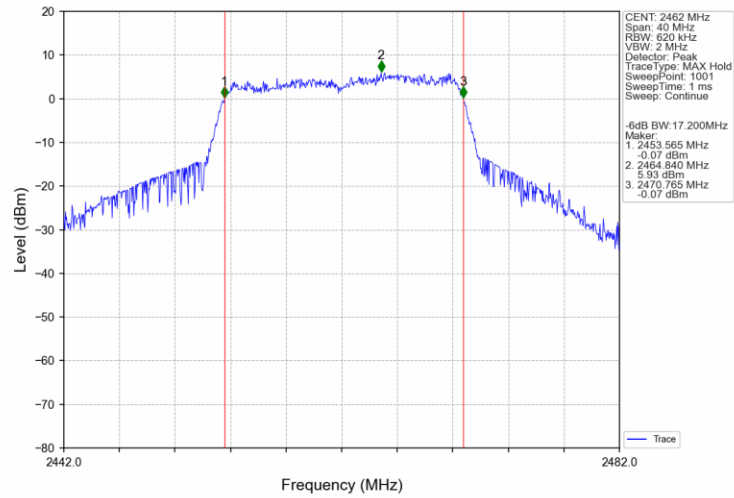
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

