

Appendix RF test data for WIFI2.4G

1. Duty Cycle

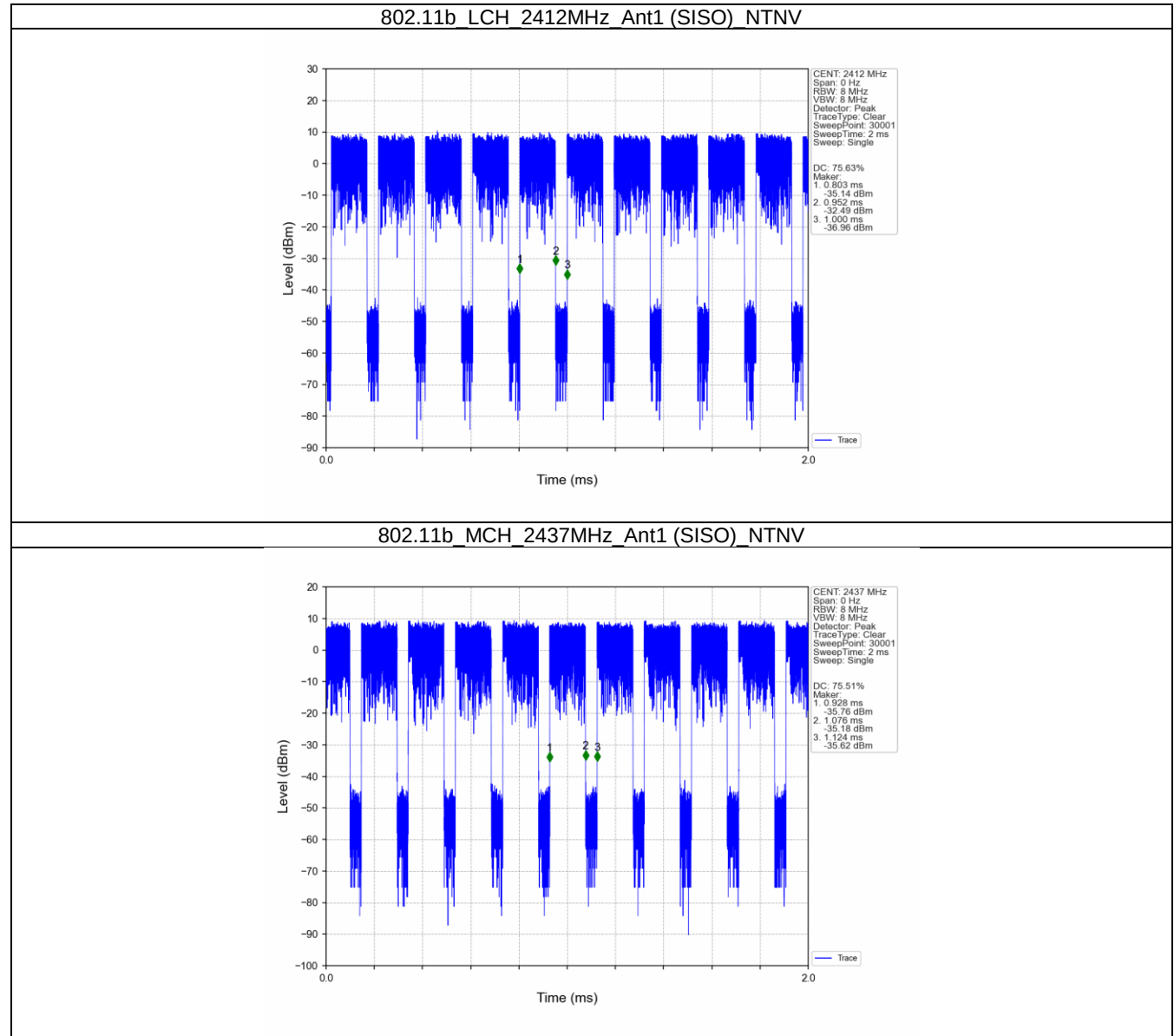
1.1 Test Result

1.1.1 Ant1

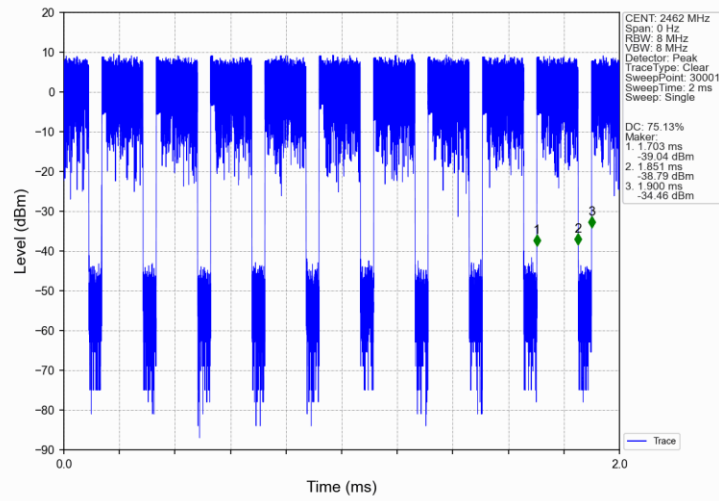
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	0.149	0.197	75.63	1.21	0.76
		2437	/	/	0.148	0.196	75.51	1.22	0.85
		2462	/	/	0.148	0.197	75.13	1.24	0.67
802.11g	SISO	2412	/	/	0.405	0.452	89.60	0.48	0.20
		2437	/	/	0.405	0.453	89.40	0.49	0.23
		2462	/	/	0.405	0.453	89.40	0.49	0.40
802.11n (HT20)	SISO	2412	/	/	0.414	0.461	89.80	0.47	0.46
		2437	/	/	0.414	0.461	89.80	0.47	0.69
		2462	/	/	0.413	0.462	89.39	0.49	0.58
802.11n (HT40)	SISO	2422	/	/	0.427	0.474	90.08	0.45	0.51
		2437	/	/	0.427	0.473	90.27	0.44	0.58
		2452	/	/	0.427	0.473	90.27	0.44	0.45
802.11ax (HEW20)	SISO	2412	SU	/	0.175	0.223	78.48	1.05	0.48
		2437	SU	/	0.175	0.224	78.13	1.07	0.72
		2462	SU	/	0.175	0.224	78.13	1.07	0.59
802.11ax (HEW40)	SISO	2422	SU	/	0.173	0.221	78.28	1.06	0.99
		2437	SU	/	0.171	0.220	77.73	1.09	0.64
		2452	SU	/	0.170	0.219	77.63	1.10	0.72

1.2 Test Graph

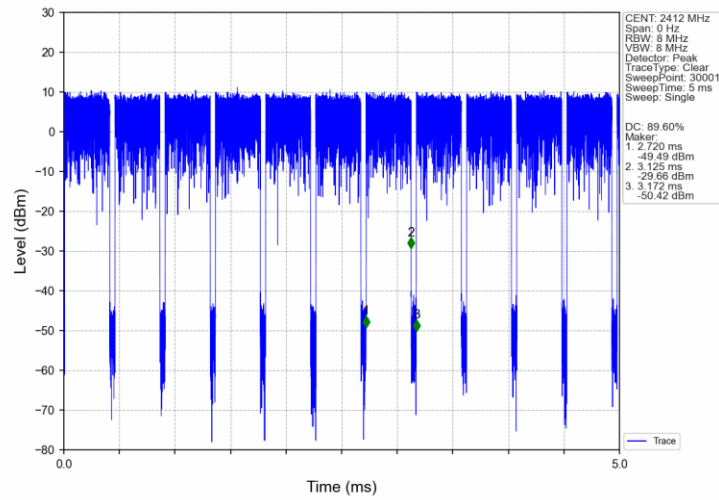
1.2.1 Ant1



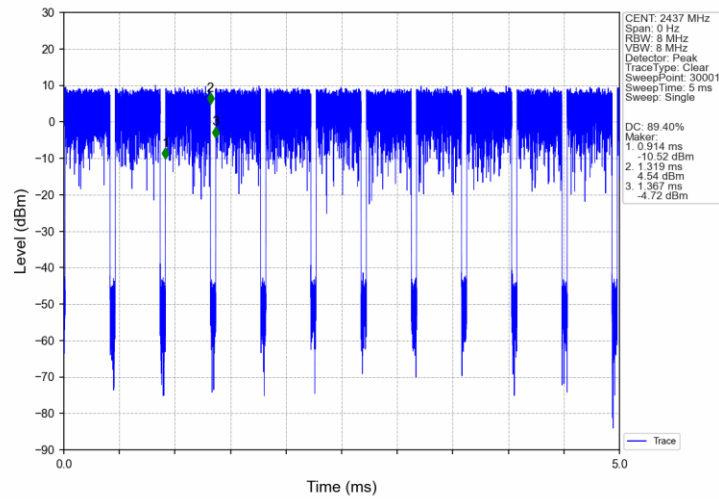
802.11b HCH 2462MHz_Ant1 (SISO) NTN



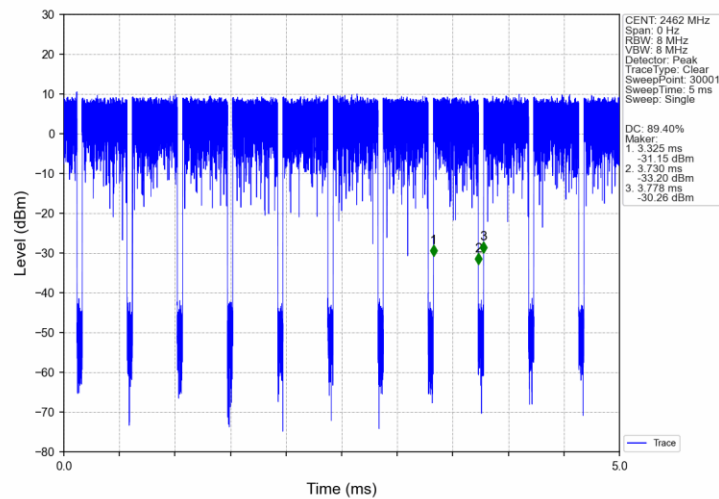
802.11g LCH 2412MHz_Ant1 (SISO) NTN



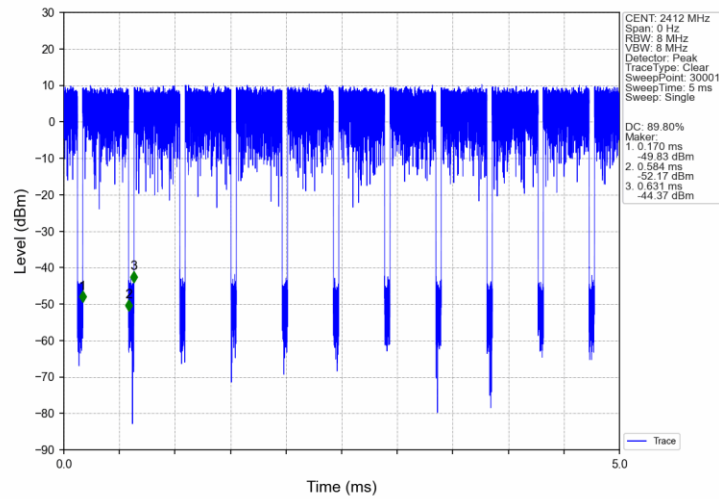
802.11g MCH 2437MHz Ant1 (SISO) NTNv



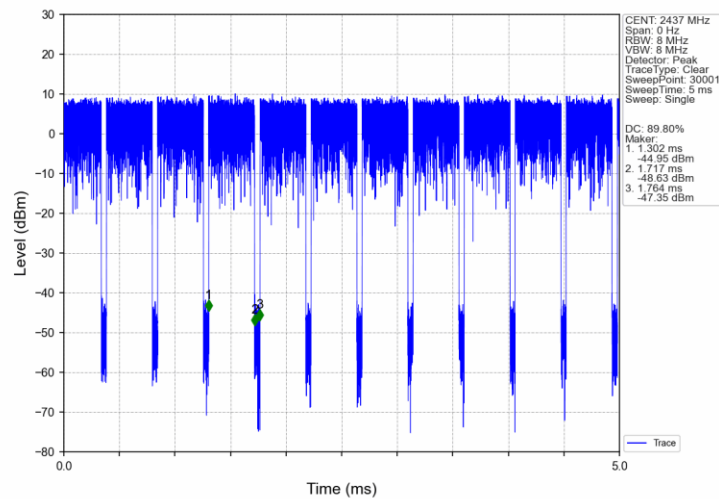
802.11g HCH 2462MHz Ant1 (SISO) NTNv



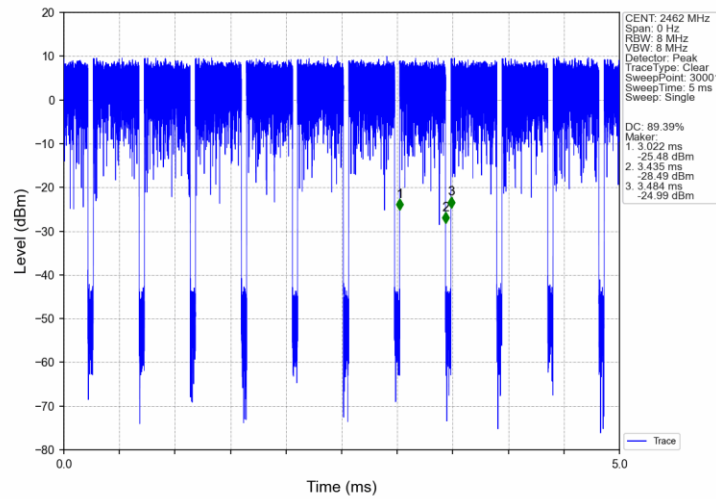
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



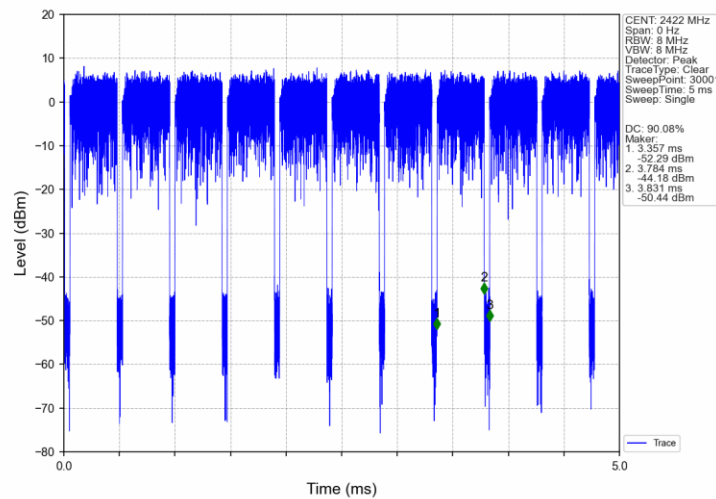
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



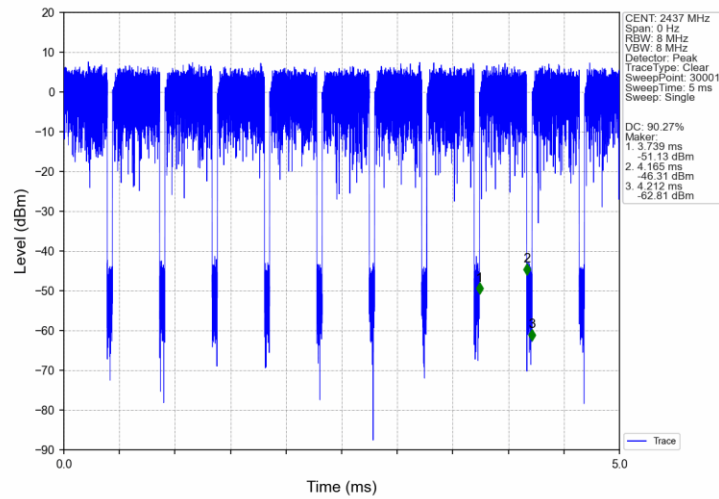
802.11n(HT20) HCH_2462MHz_Ant1 (SISO)_NTNV



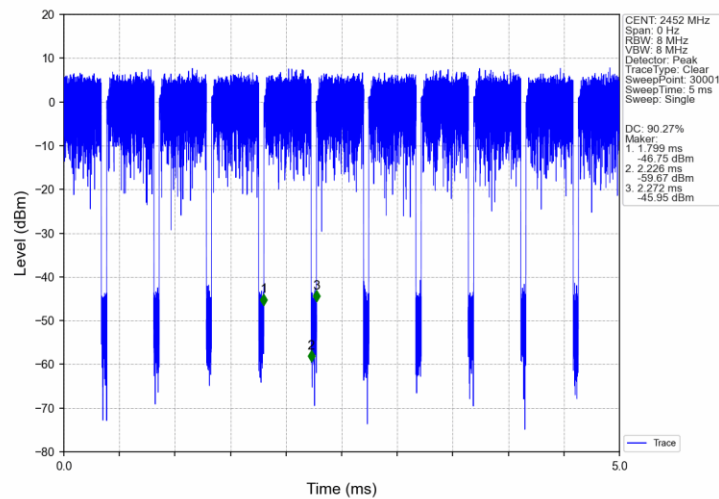
802.11n(HT40) LCH_2422MHz_Ant1 (SISO)_NTNV



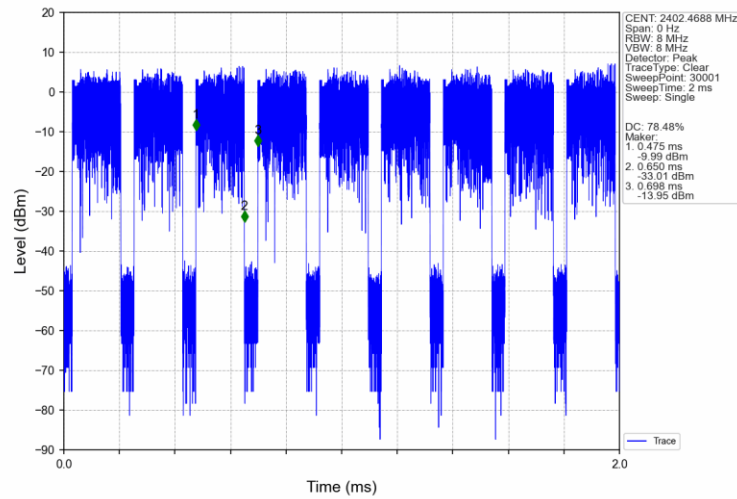
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



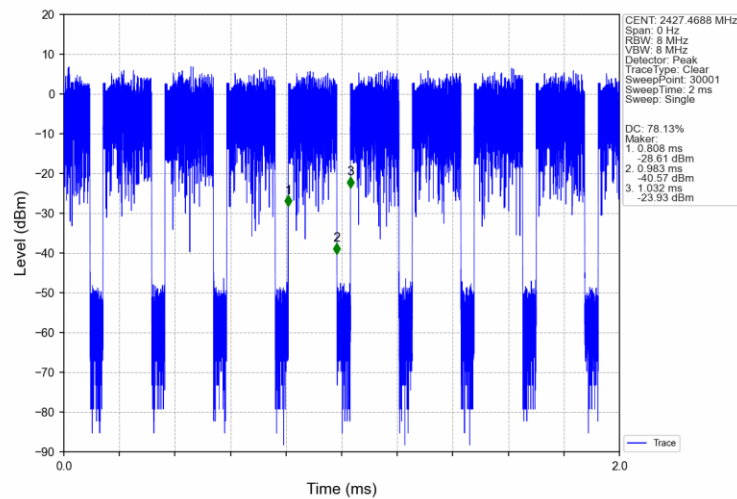
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



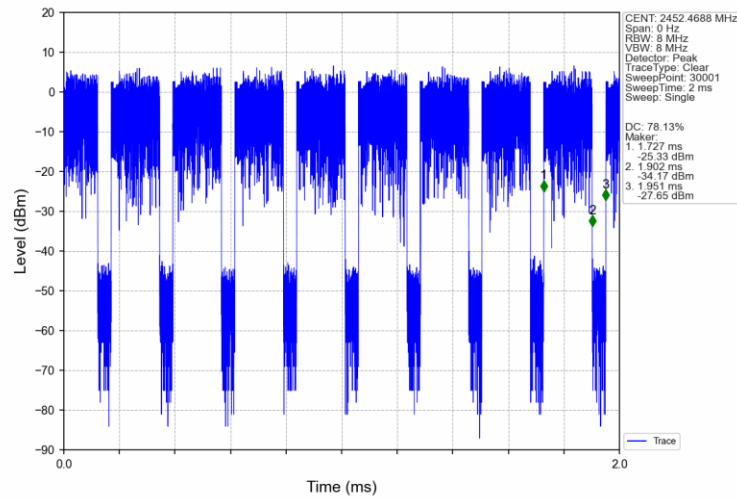
802.11ax(HEW20) LCH 2412MHz_SU / Ant1 (SISO) NTN



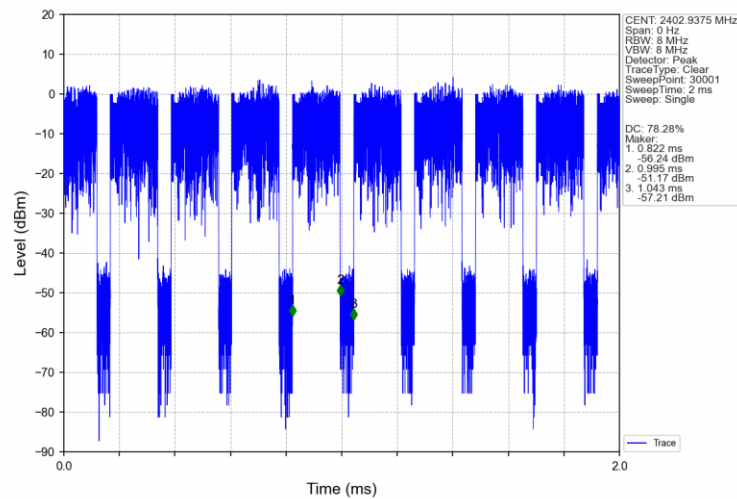
802.11ax(HEW20) MCH 2437MHz_SU / Ant1 (SISO) NTN



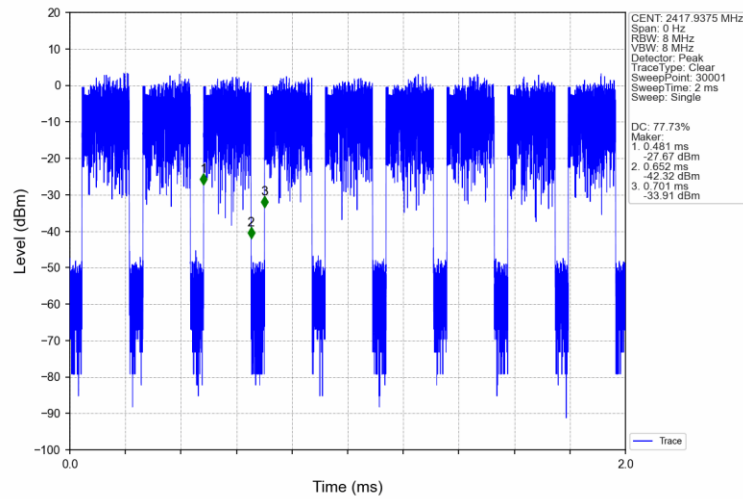
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNv



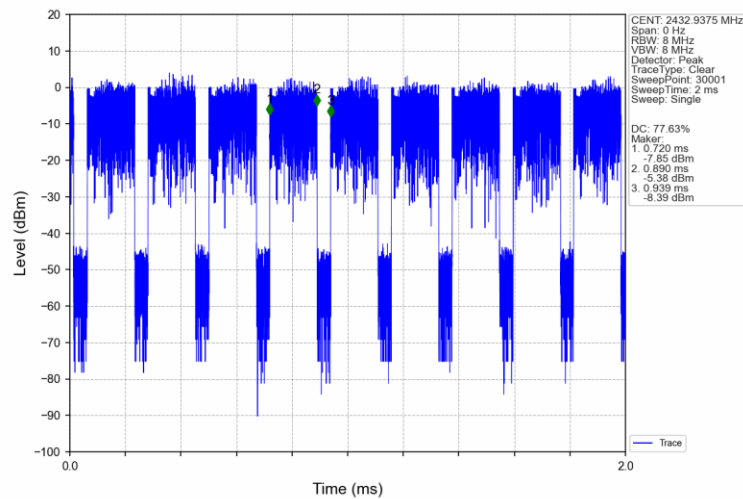
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTNv



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

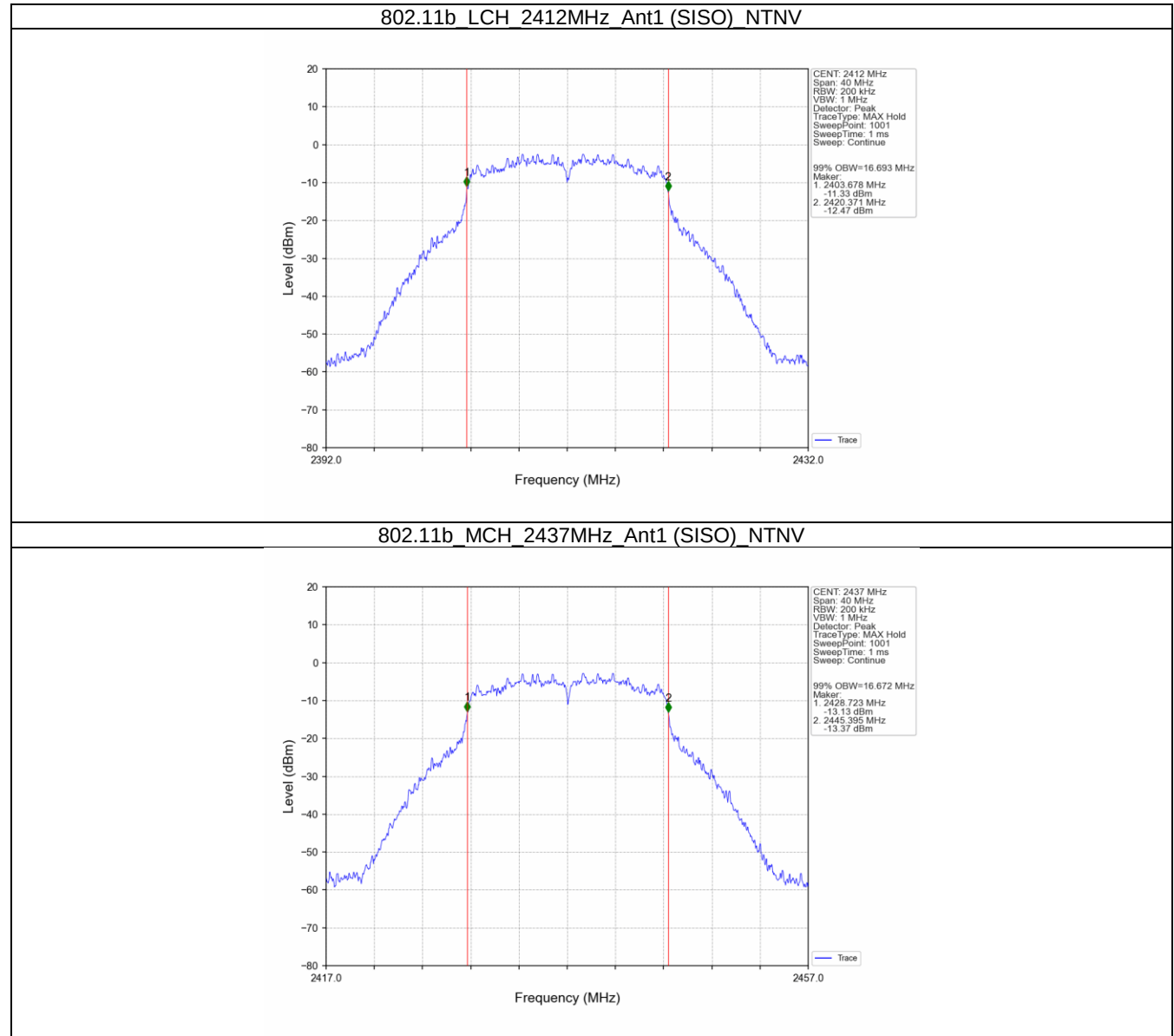
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	16.693	/	Pass
		2437	/	/	1	16.672	/	Pass
		2462	/	/	1	16.727	/	Pass
802.11g	SISO	2412	/	/	1	16.738	/	Pass
		2437	/	/	1	16.754	/	Pass
		2462	/	/	1	16.710	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.792	/	Pass
		2437	/	/	1	17.795	/	Pass
		2462	/	/	1	17.777	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.415	/	Pass
		2437	/	/	1	36.464	/	Pass
		2452	/	/	1	36.318	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.900	/	Pass
		2437	SU	/	1	18.903	/	Pass
		2462	SU	/	1	18.940	/	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.883	/	Pass
		2437	SU	/	1	37.823	/	Pass
		2452	SU	/	1	37.792	/	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	16.033	>=0.5	Pass
		2437	/	/	1	16.164	>=0.5	Pass
		2462	/	/	1	16.014	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.961	>=0.5	Pass
		2437	/	/	1	16.009	>=0.5	Pass
		2462	/	/	1	16.006	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	16.866	>=0.5	Pass
		2437	/	/	1	17.241	>=0.5	Pass
		2462	/	/	1	17.286	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.770	>=0.5	Pass
		2437	/	/	1	35.982	>=0.5	Pass
		2452	/	/	1	35.722	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	17.804	>=0.5	Pass
		2437	SU	/	1	18.688	>=0.5	Pass
		2462	SU	/	1	18.818	>=0.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	37.539	>=0.5	Pass
		2437	SU	/	1	36.759	>=0.5	Pass
		2452	SU	/	1	37.351	>=0.5	Pass

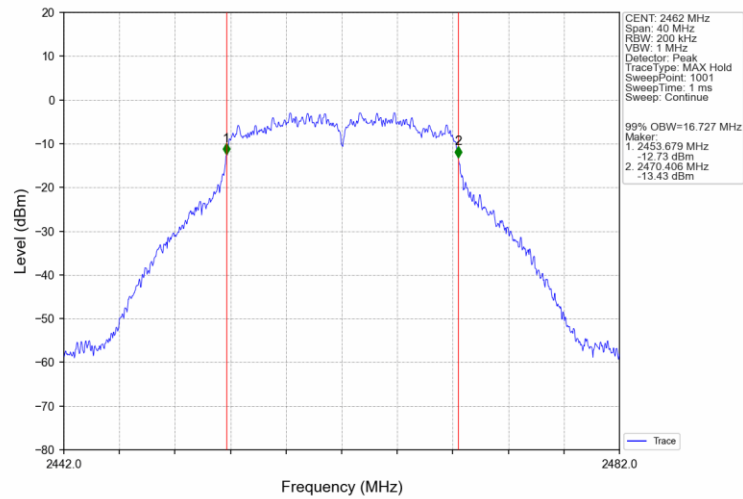
2.2 Test Graph

2.2.1 OBW

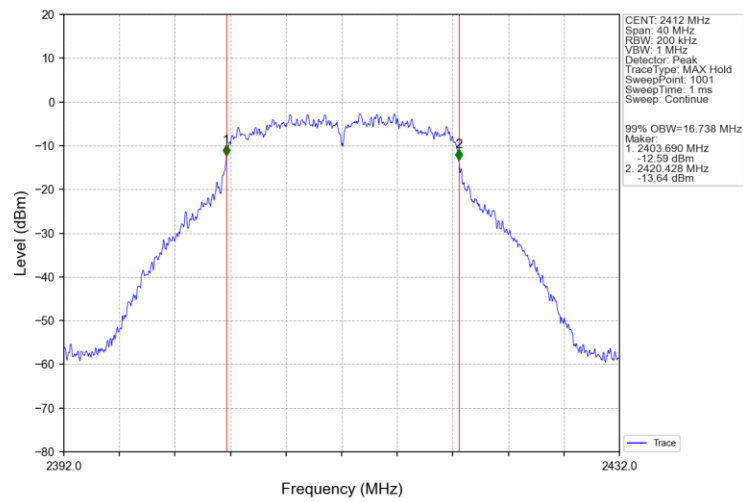




802.11b HCH 2462MHz_Ant1 (SISO)_NTNV

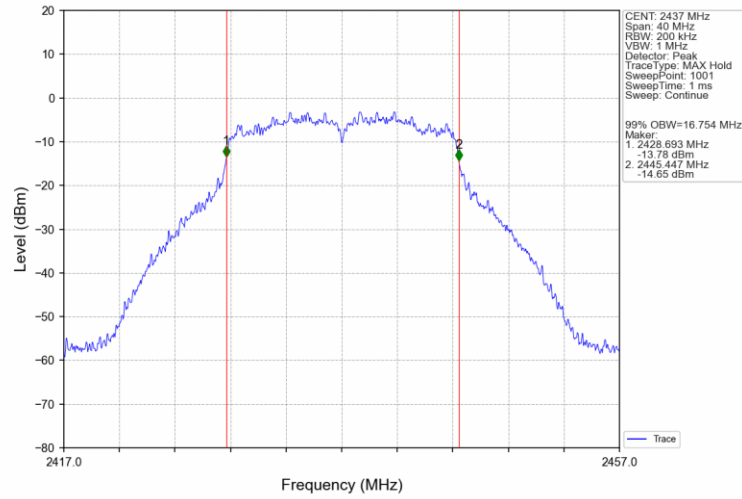


802.11g LCH 2412MHz_Ant1 (SISO)_NTNV

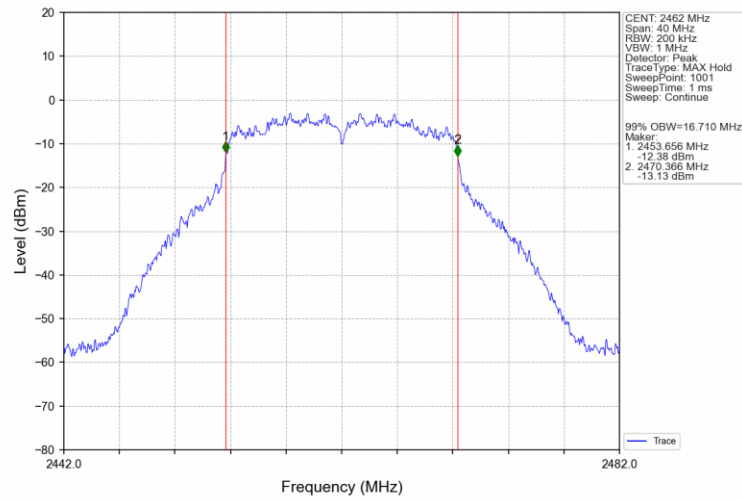




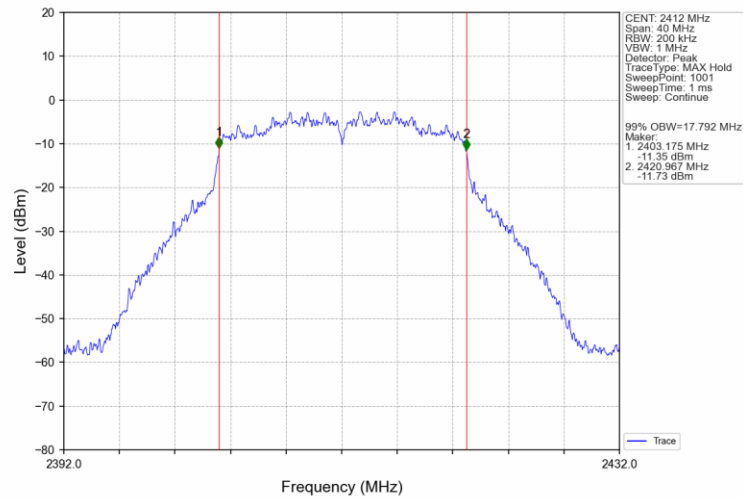
802.11g_MCH_2437MHz_Ant1 (SISO) NTNv



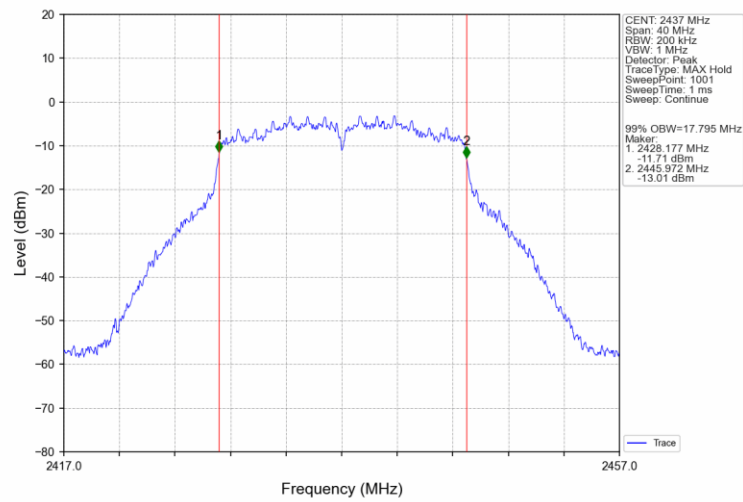
802.11g_HCH_2462MHz_Ant1 (SISO) NTNv



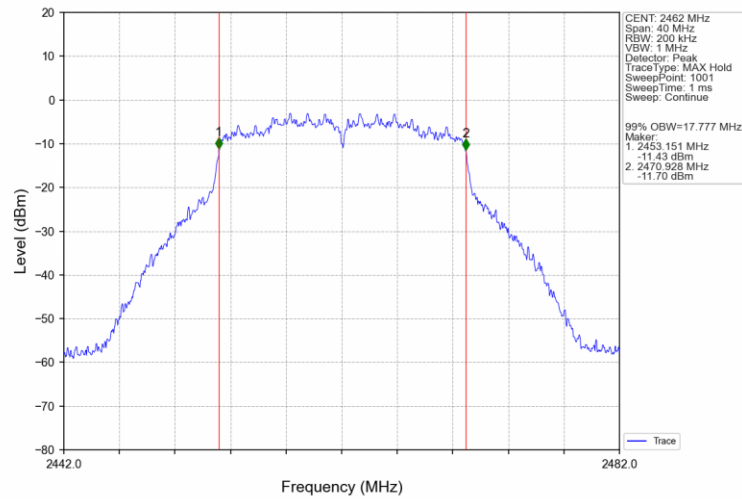
802.11n(HT20) LCH_2412MHz_Ant1 (SISO) NTN



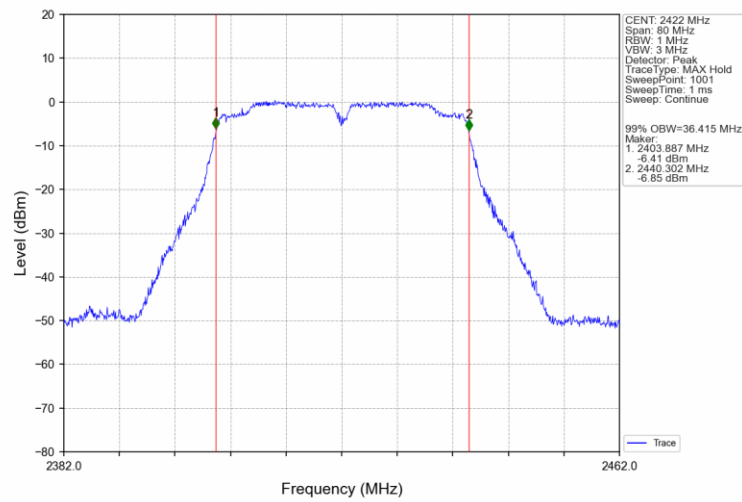
802.11n(HT20) MCH_2437MHz_Ant1 (SISO) NTN



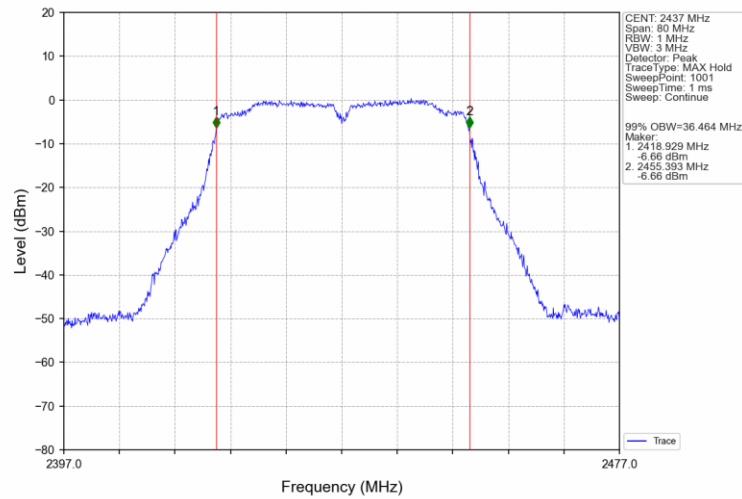
802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTNV



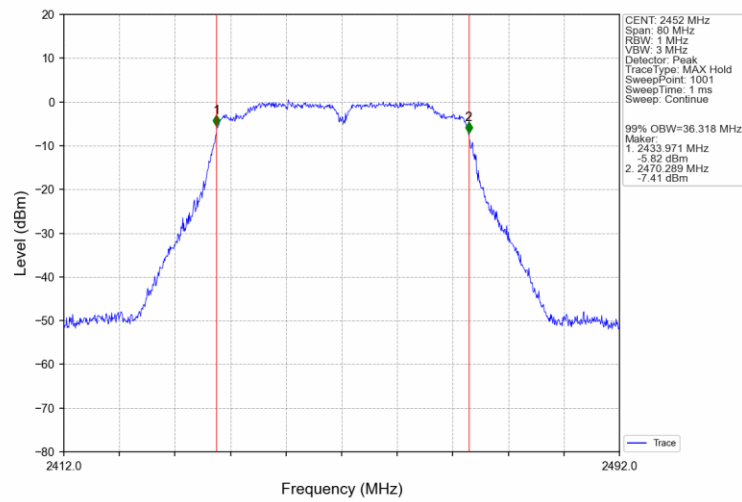
802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTNV



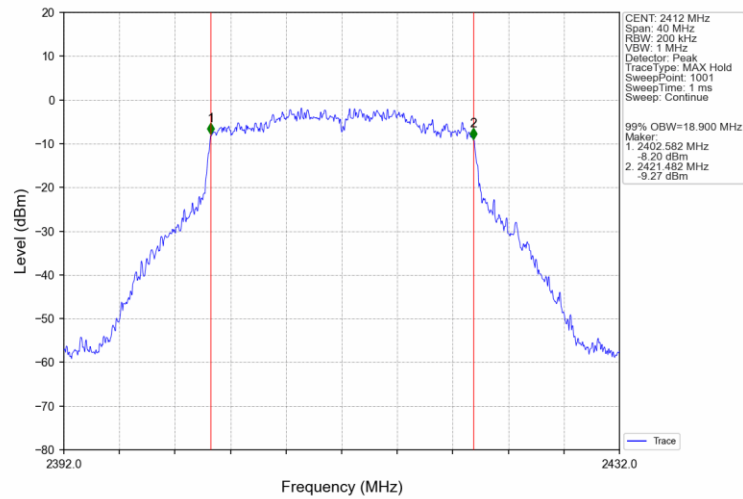
802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



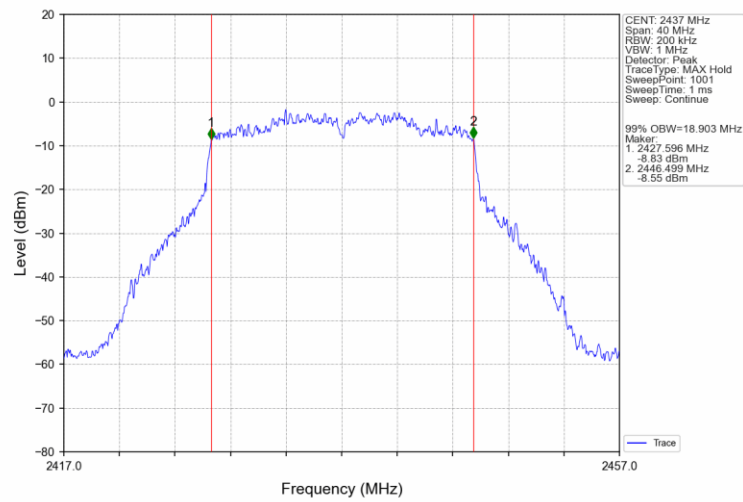
802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



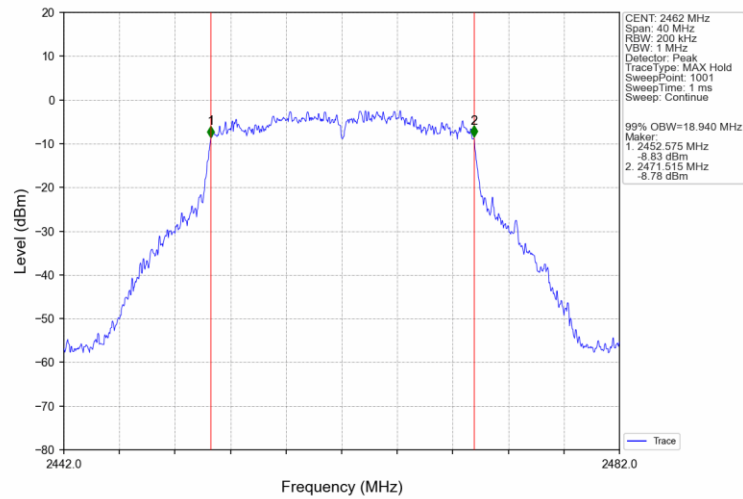
802.11ax(HEW20) LCH 2412MHz_SU / Ant1 (SISO) NTN



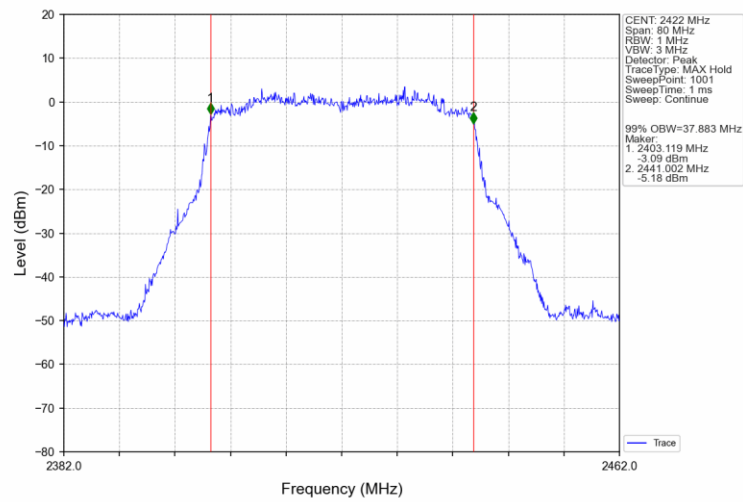
802.11ax(HEW20) MCH 2437MHz_SU / Ant1 (SISO) NTN



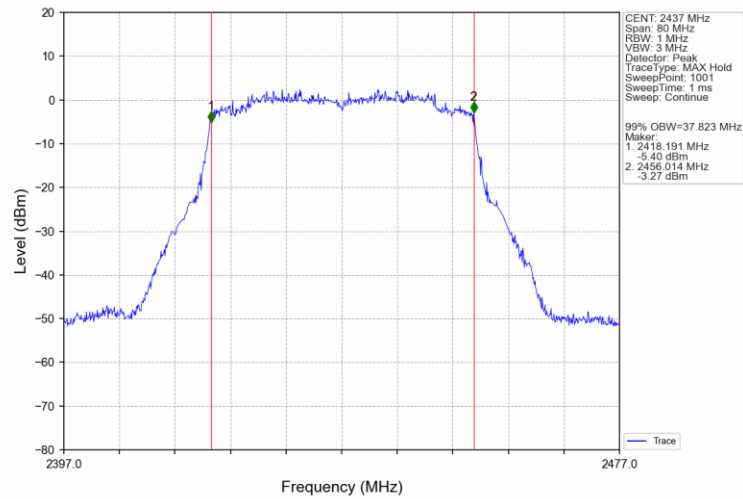
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNv



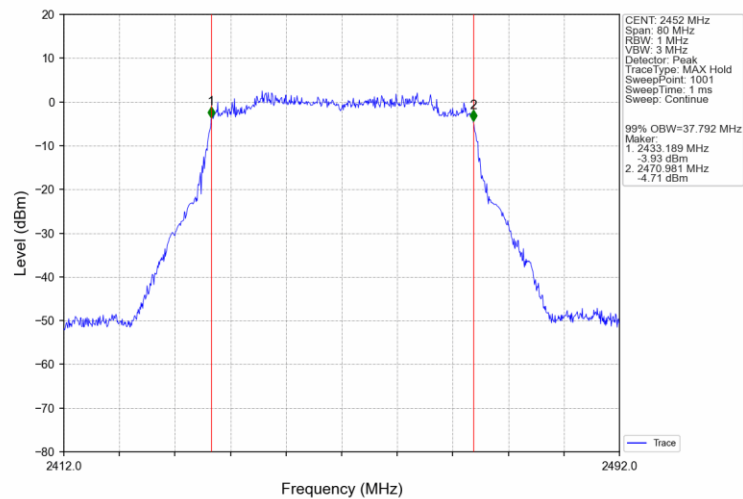
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTNv



802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN

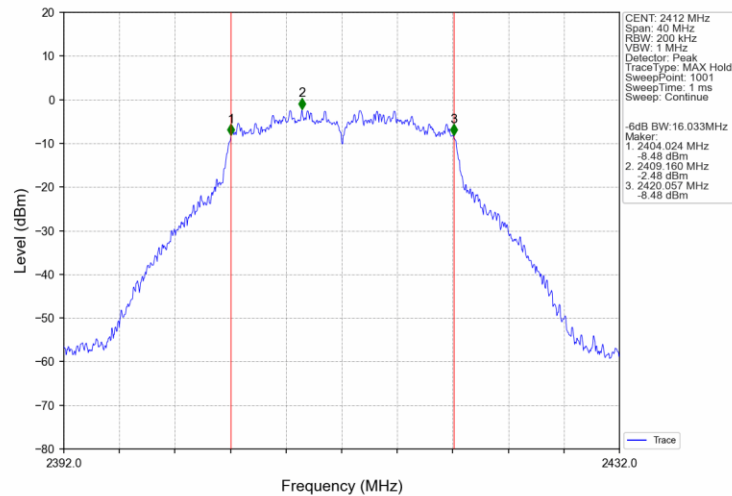


802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN

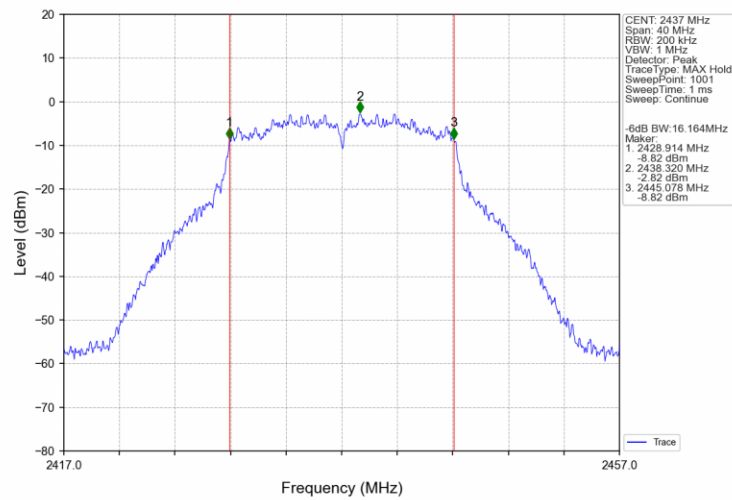


2.2.2 6dB BW

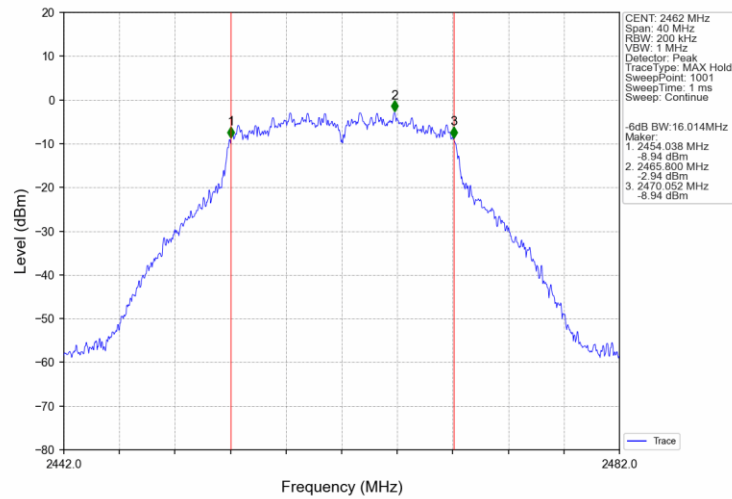
802.11b LCH 2412MHz_Ant1 (SISO)_NTNV



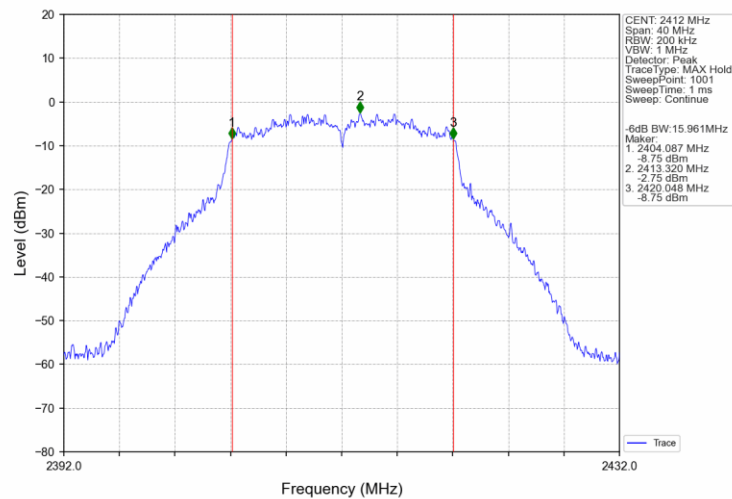
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



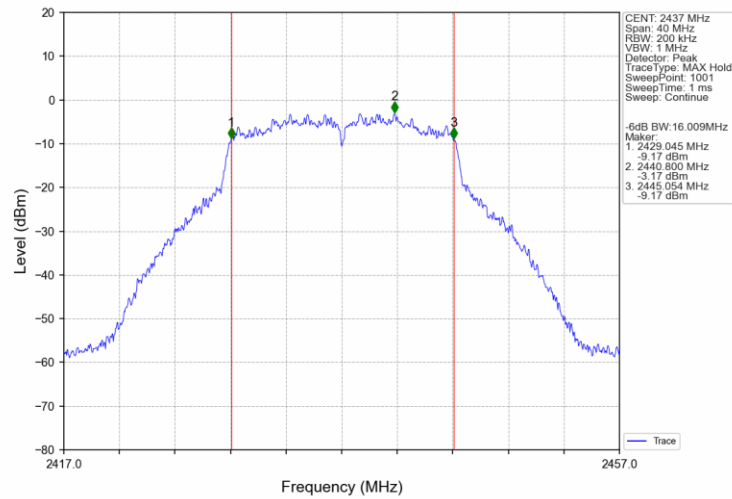
802.11b HCH 2462MHz_Ant1 (SISO) NTNv



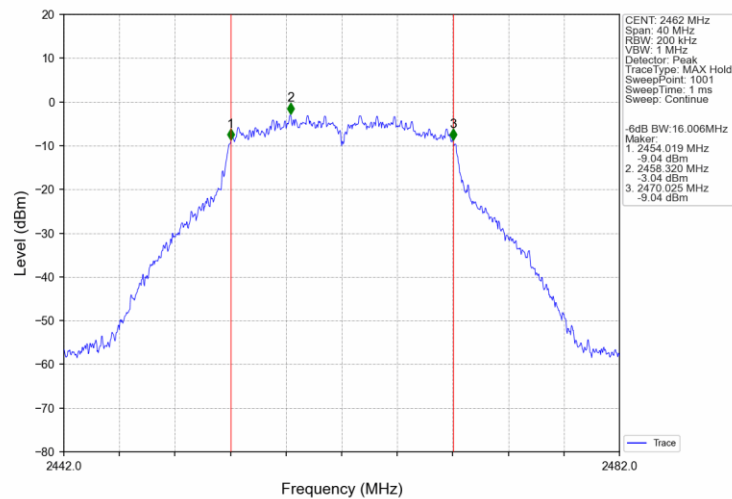
802.11g LCH 2412MHz_Ant1 (SISO) NTNv



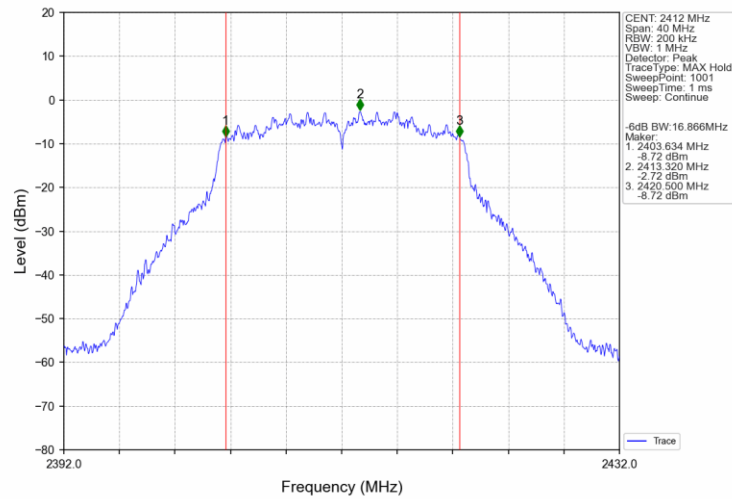
802.11g MCH 2437MHz Ant1 (SISO) NTNv



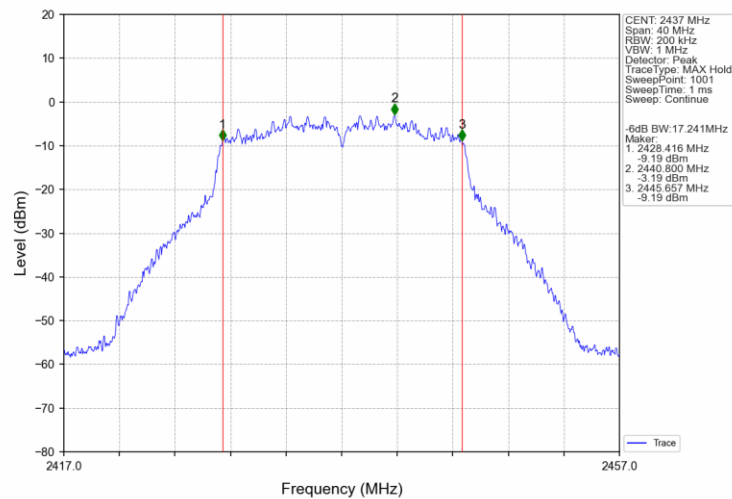
802.11g HCH 2462MHz Ant1 (SISO) NTNv



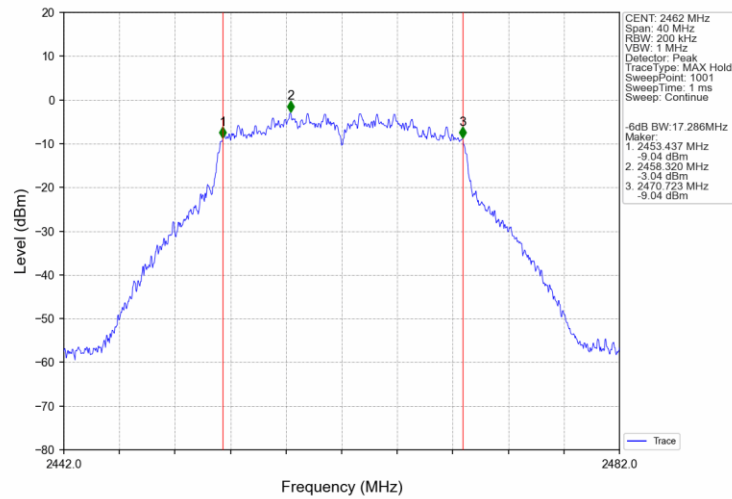
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



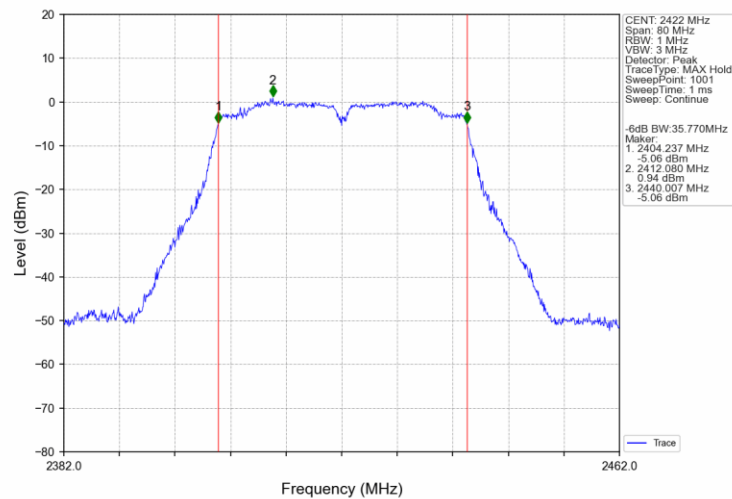
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



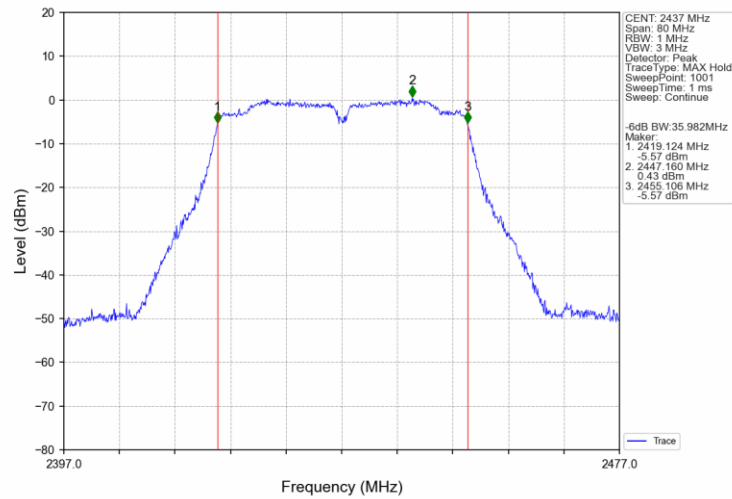
802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTNV



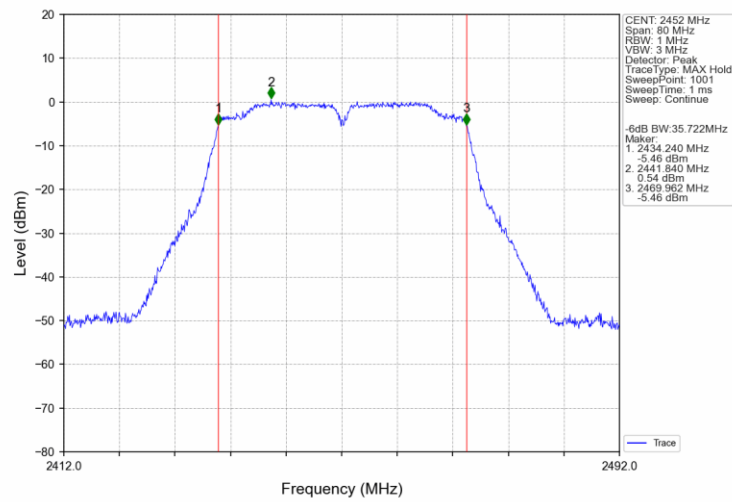
802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTNV



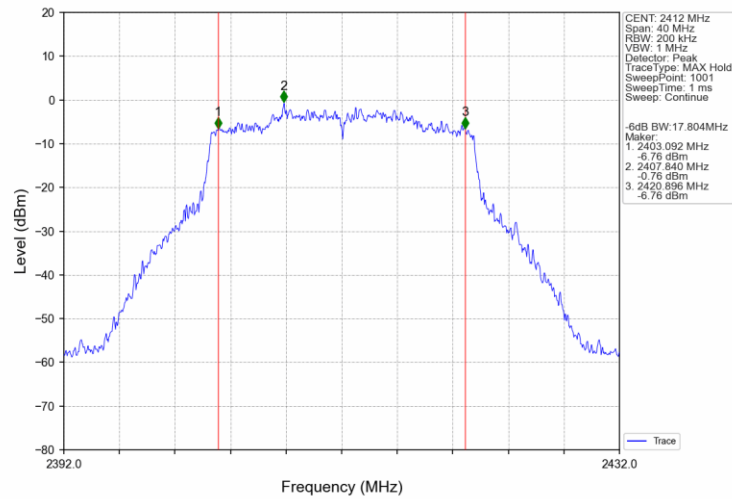
802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



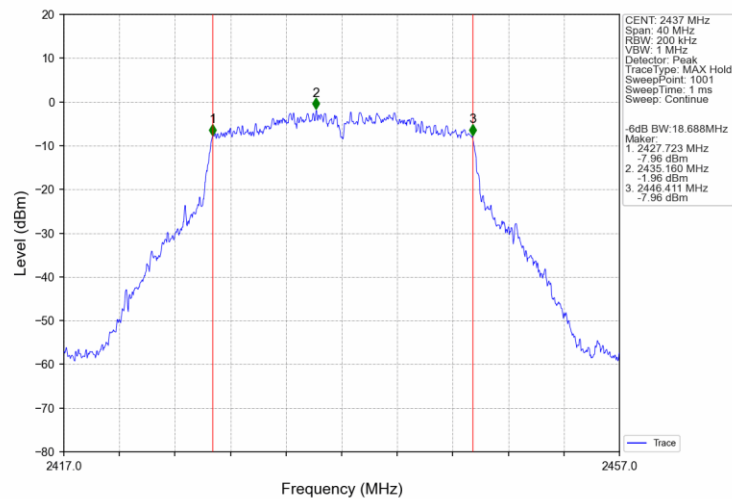
802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



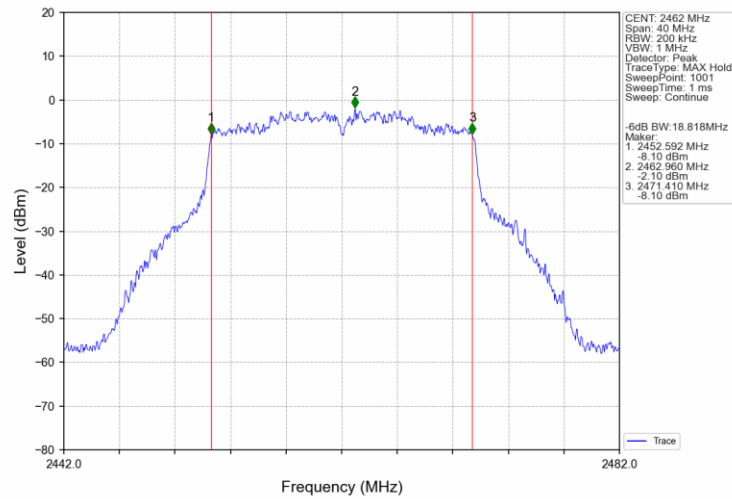
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



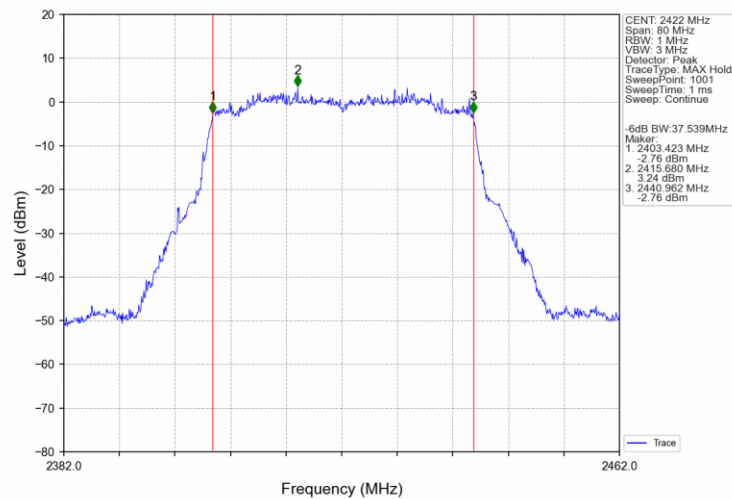
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



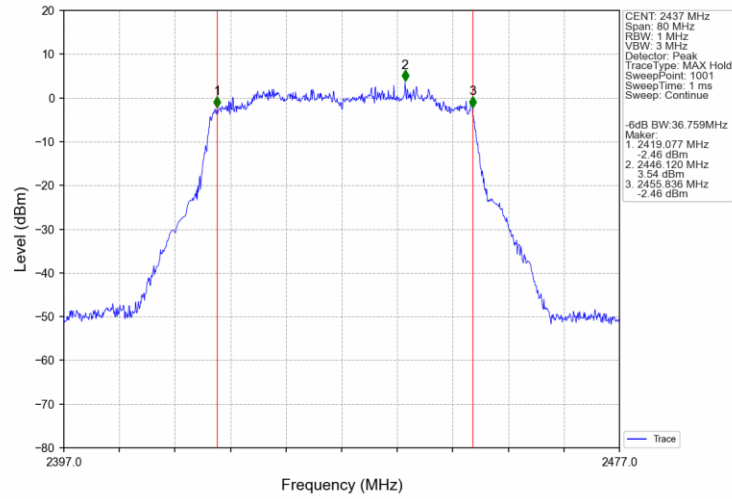
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNv



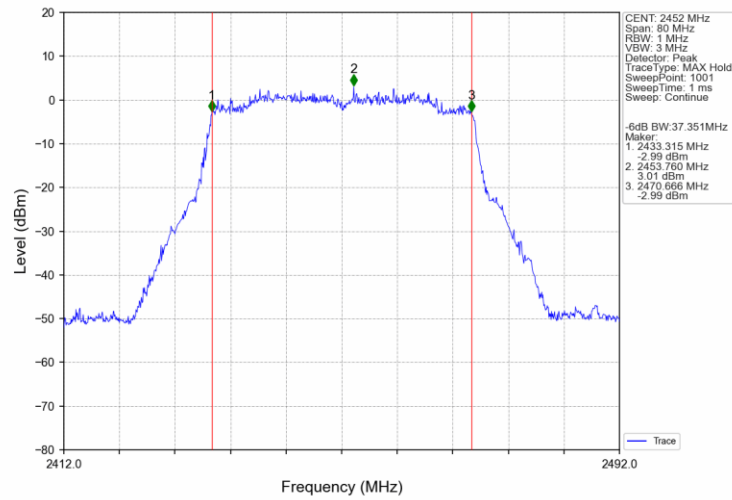
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTNv



802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN



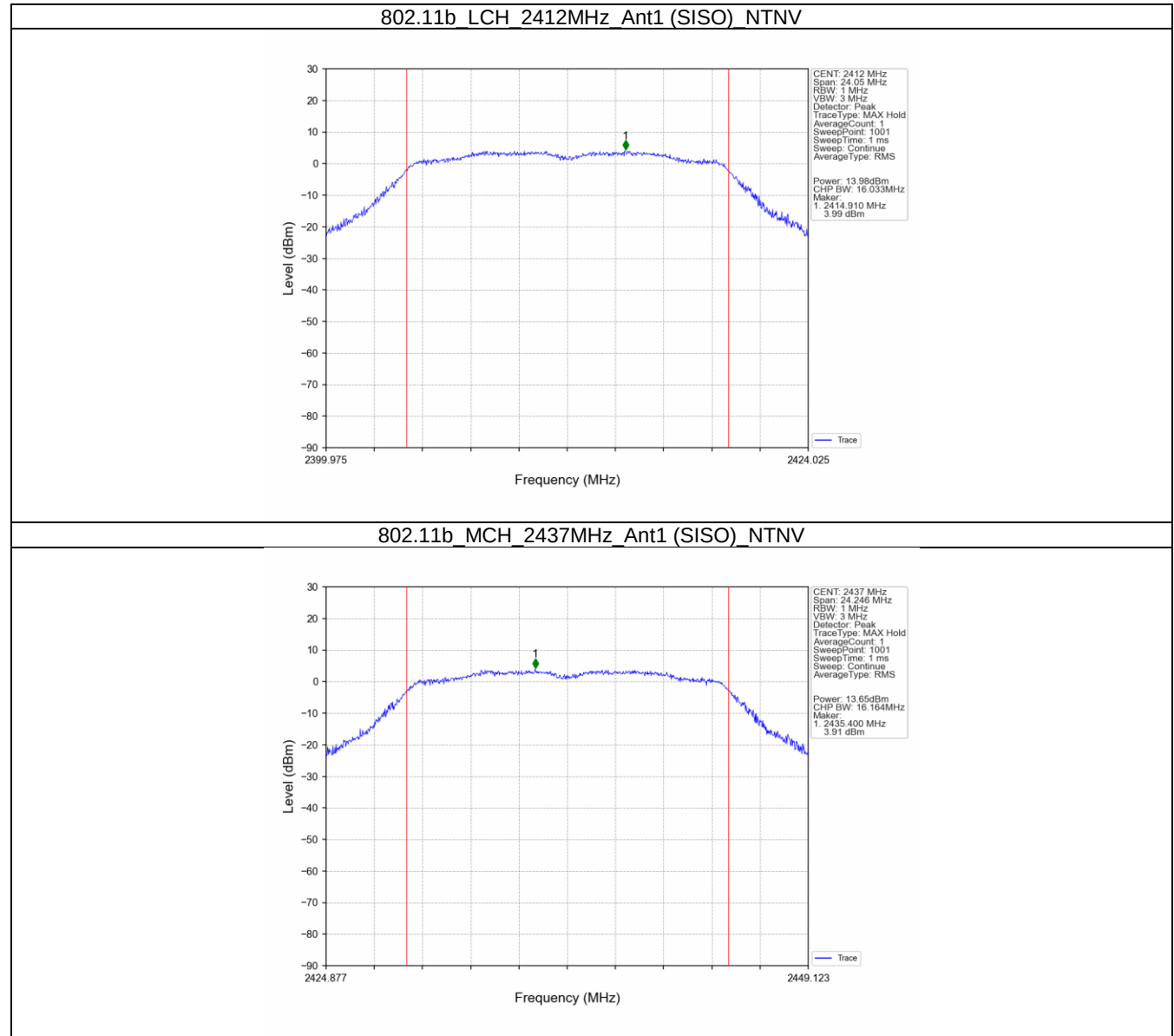


3.1 Test Result

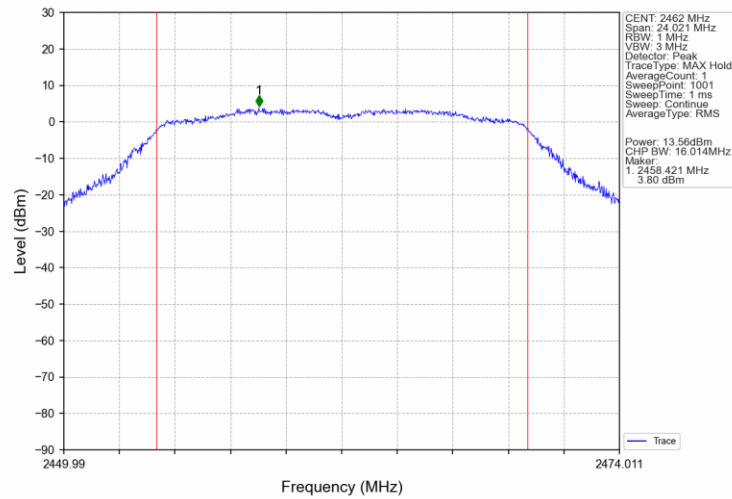
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	13.98	<=30	Pass
		2437	/	/	13.65	<=30	Pass
		2462	/	/	13.56	<=30	Pass
802.11g	SISO	2412	/	/	13.76	<=30	Pass
		2437	/	/	13.34	<=30	Pass
		2462	/	/	13.45	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	13.69	<=30	Pass
		2437	/	/	13.28	<=30	Pass
		2462	/	/	13.41	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	13.98	<=30	Pass
		2437	/	/	13.71	<=30	Pass
		2452	/	/	13.77	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	14.86	<=30	Pass
		2437	SU	/	14.66	<=30	Pass
		2462	SU	/	14.59	<=30	Pass
802.11ax (HEW40)	SISO	2422	SU	/	15.26	<=30	Pass
		2437	SU	/	14.88	<=30	Pass
		2452	SU	/	15.08	<=30	Pass
Note1: Antenna Gain: Ant1: 1.64dBi;							

3.2 Test Graph

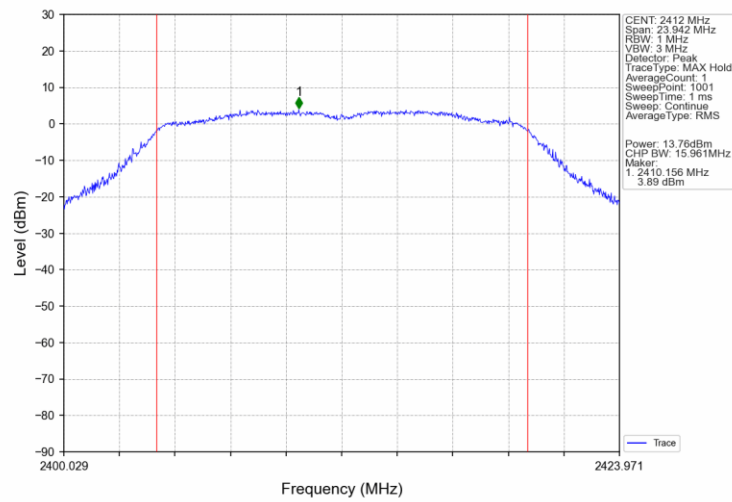
3.2.1 Power



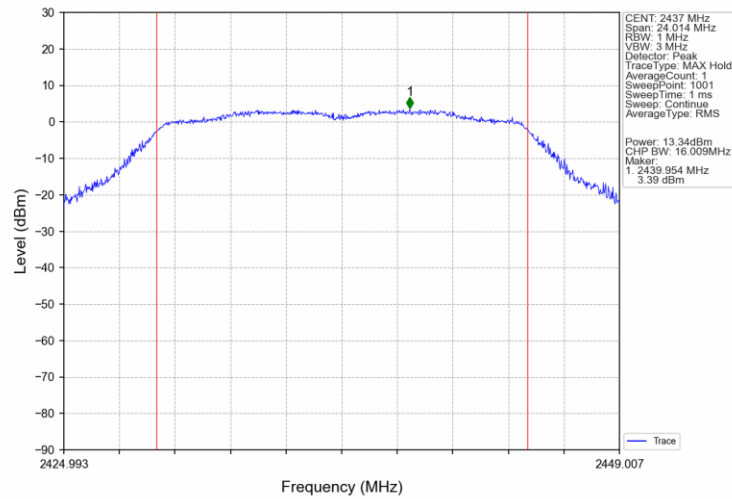
802.11b HCH 2462MHz Ant1 (SISO) NTN



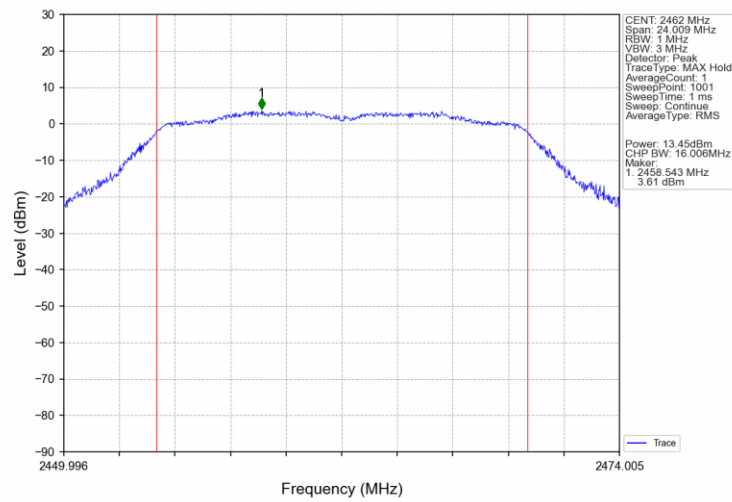
802.11g LCH 2412MHz Ant1 (SISO) NTN



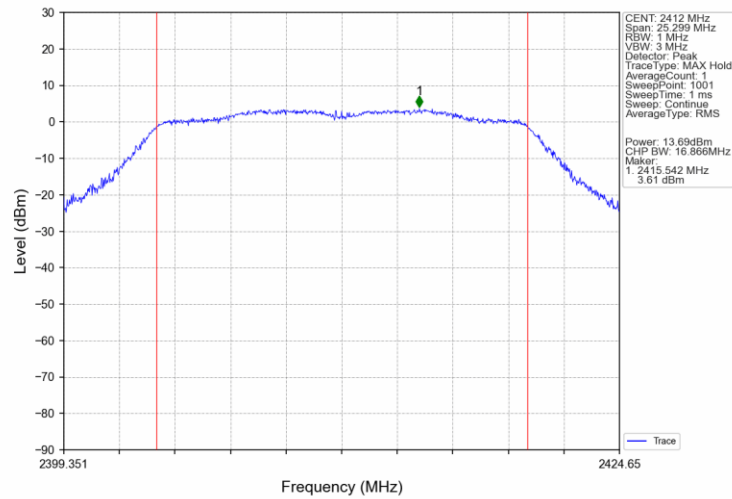
802.11g_MCH_2437MHz_Ant1 (SISO) NTN



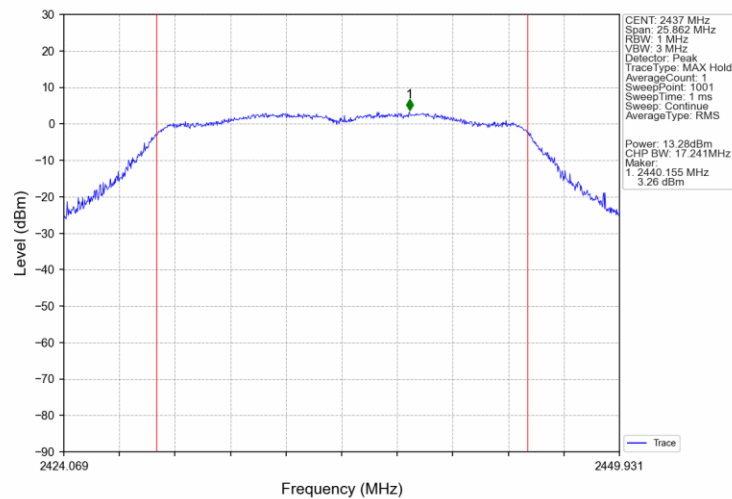
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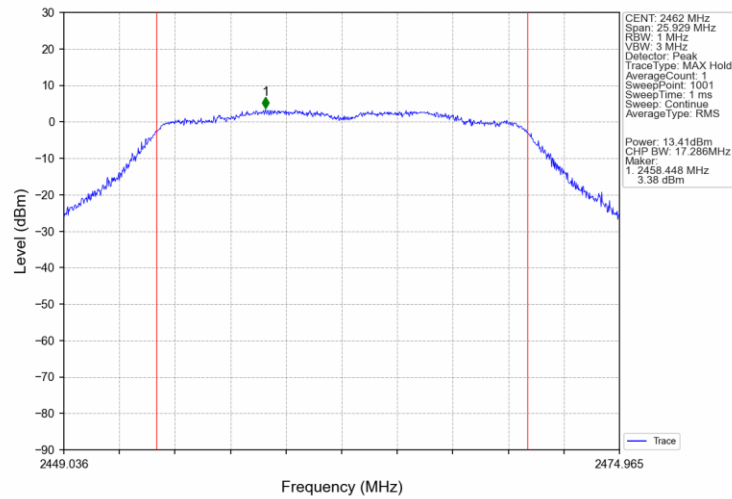
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



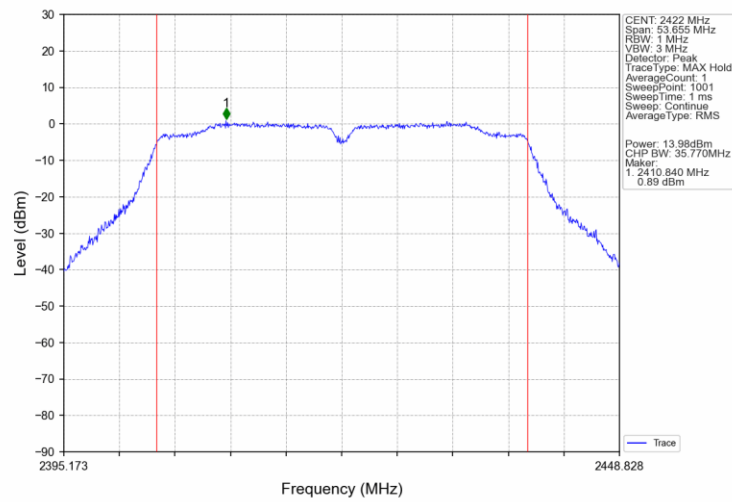
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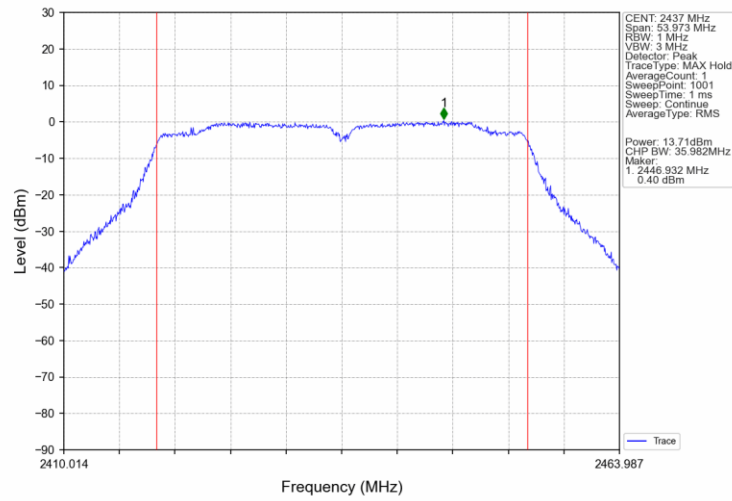
802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTNV



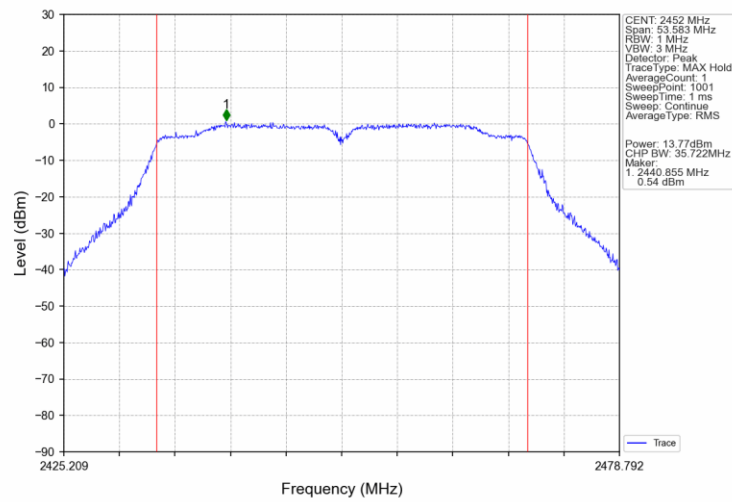
802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTNV



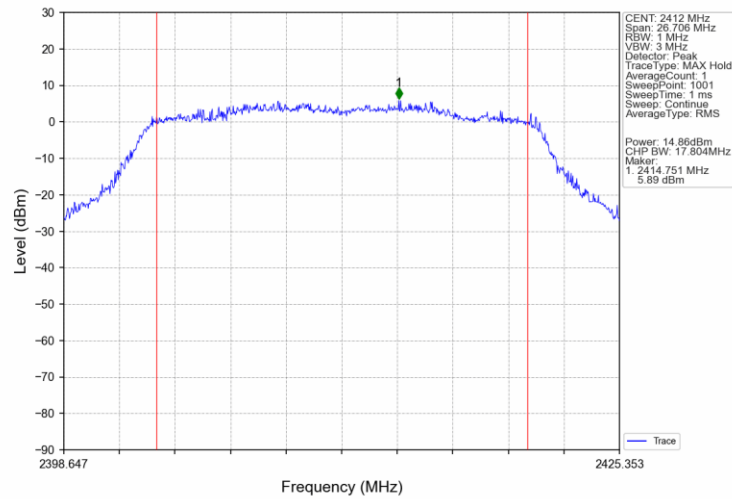
802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNv



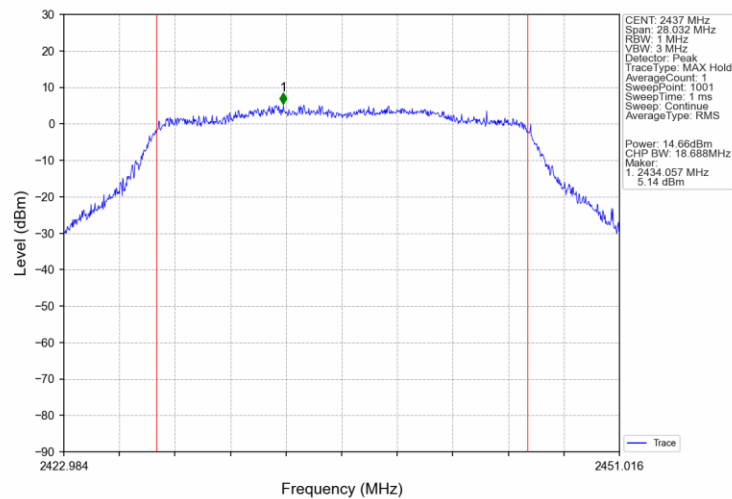
802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNv



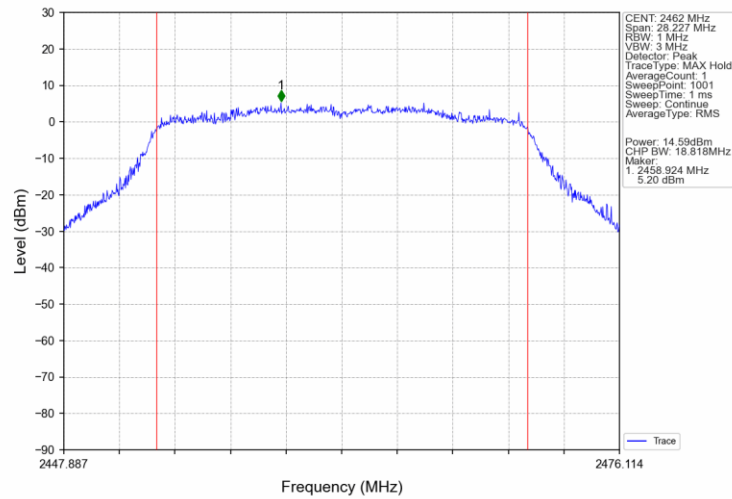
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



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

