

1. Duty Cycle

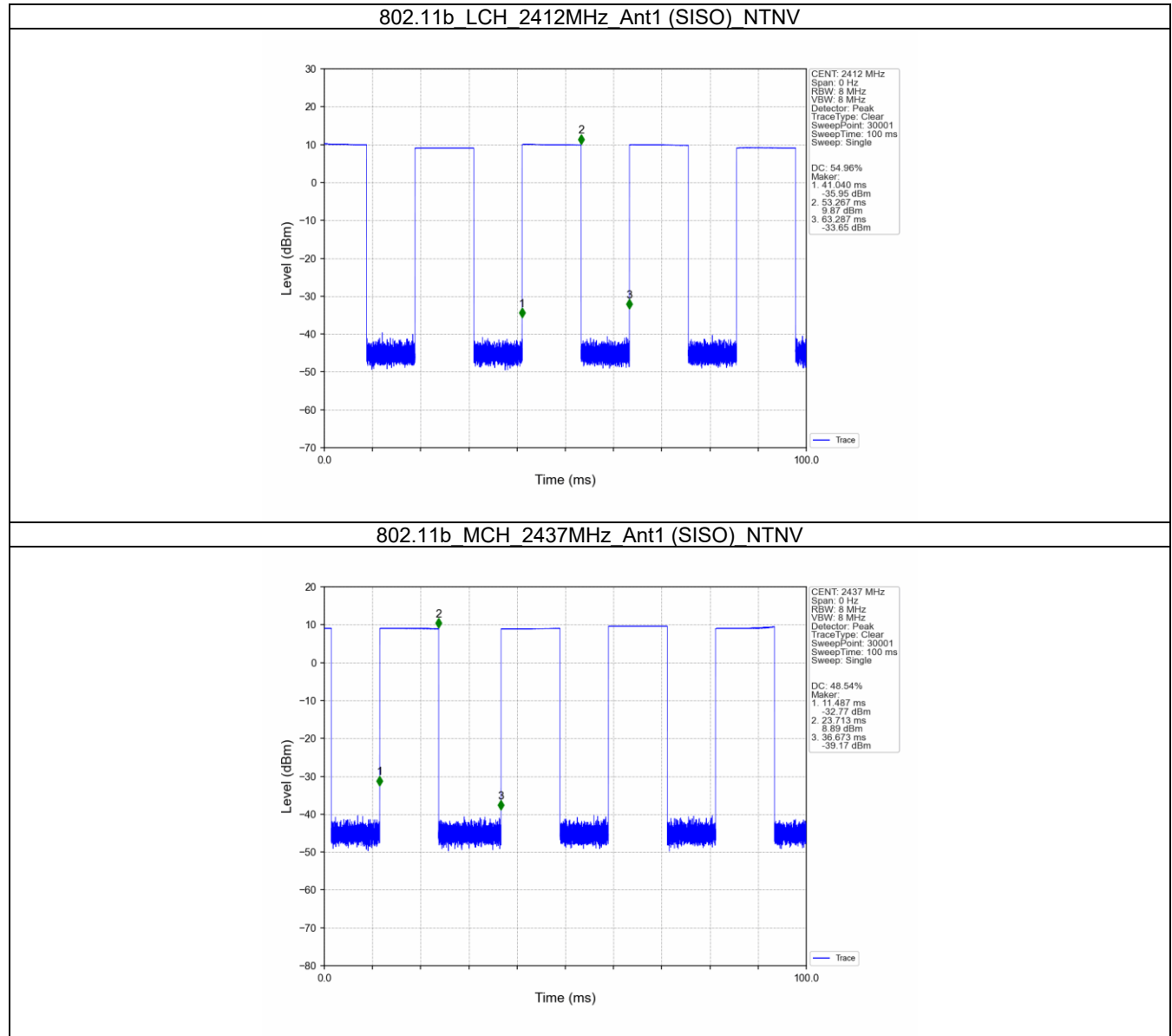
1.1 Test Result

1.1.1 Ant1

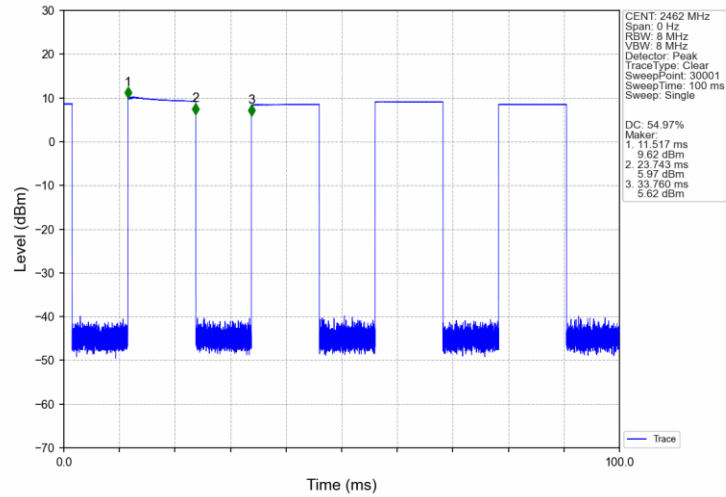
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	12.227	22.247	54.96	2.60	0.01
		2437	/	/	12.226	25.186	48.54	3.14	6.41
		2462	/	/	12.226	22.243	54.97	2.60	0.00
802.11g	SISO	2412	/	/	2.033	13.123	15.49	8.10	1.40
		2437	/	/	2.034	12.430	16.36	7.86	0.53
		2462	/	/	2.033	15.840	12.83	8.92	4.06
802.11n (HT20)	SISO	2412	/	/	0.226	10.376	2.18	16.62	0.03
		2437	/	/	0.227	11.877	1.91	17.19	0.31
		2462	/	/	0.224	10.250	2.19	16.60	0.03
802.11n (HT40)	SISO	2422	/	/	0.130	11.330	1.15	19.40	0.14
		2437	/	/	0.126	10.150	1.24	19.06	0.03
		2452	/	/	0.127	10.157	1.25	19.03	0.03
802.11ax (HEW20)	SISO	2412	SU	/	0.160	10.553	1.52	18.19	0.09
		2437	SU	/	0.164	10.980	1.49	18.26	0.12
		2462	SU	/	0.160	10.194	1.57	18.04	0.03

1.2 Test Graph

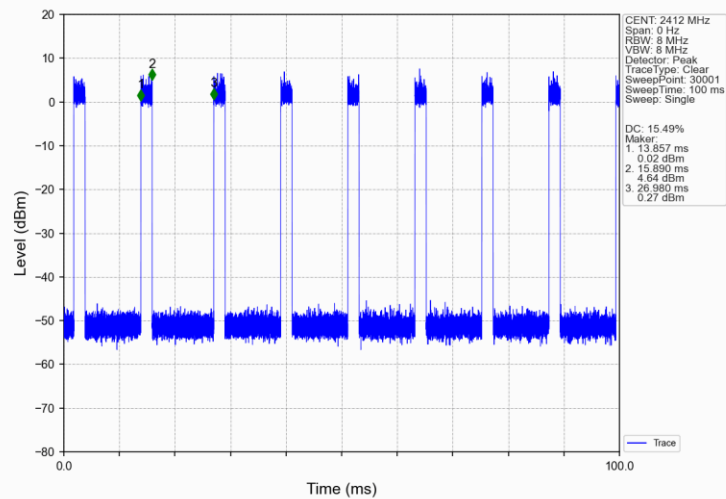
1.2.1 Ant1



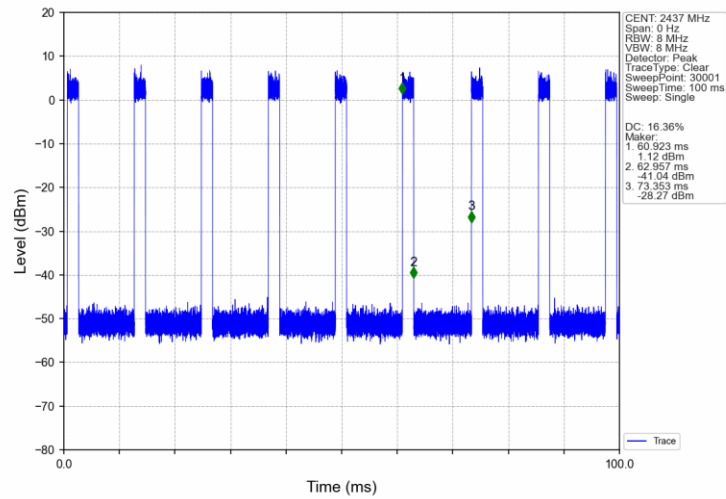
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



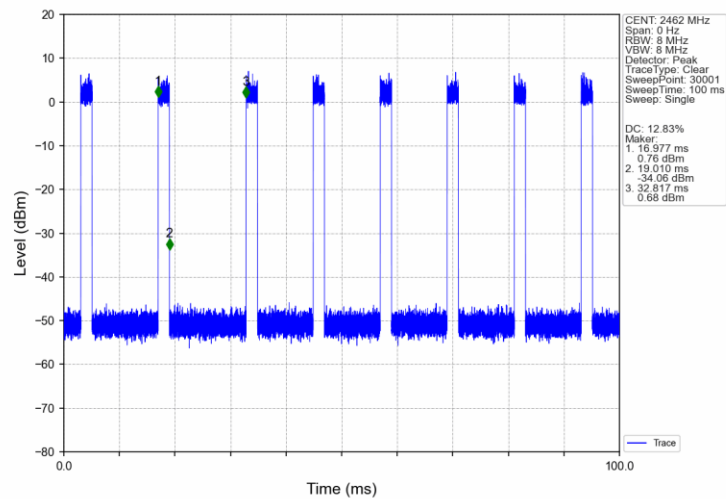
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



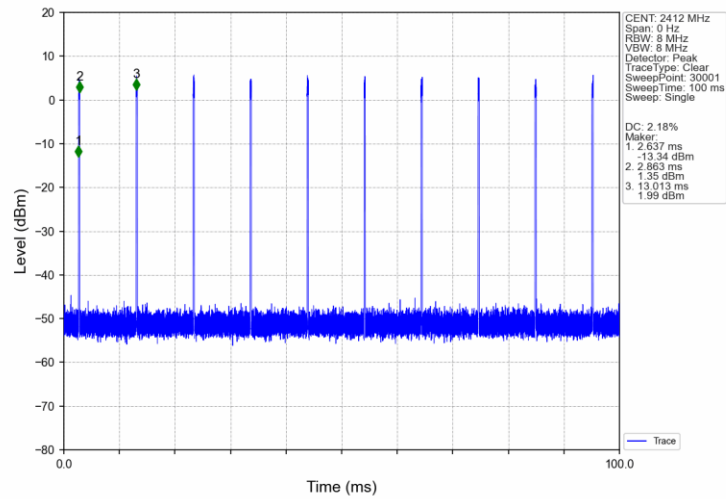
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



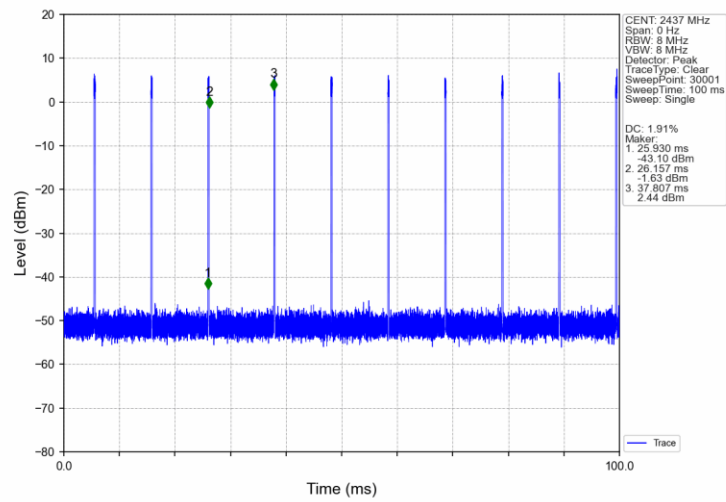
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



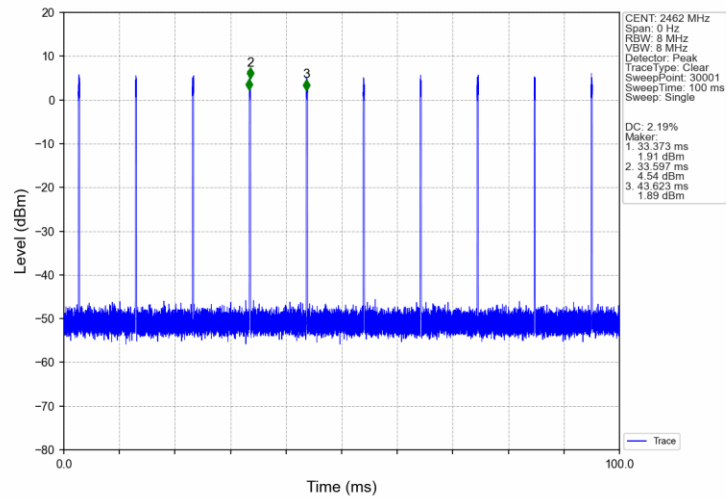
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



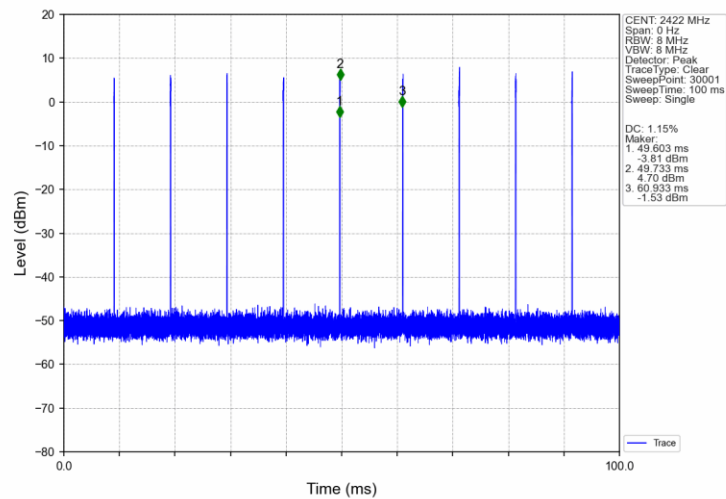
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



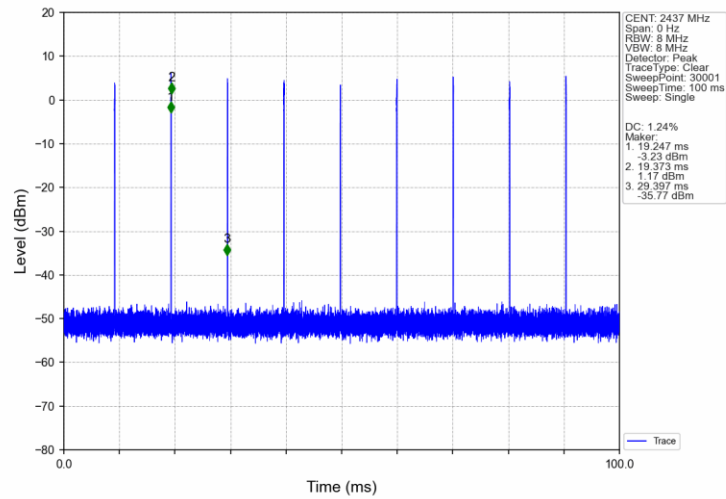
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



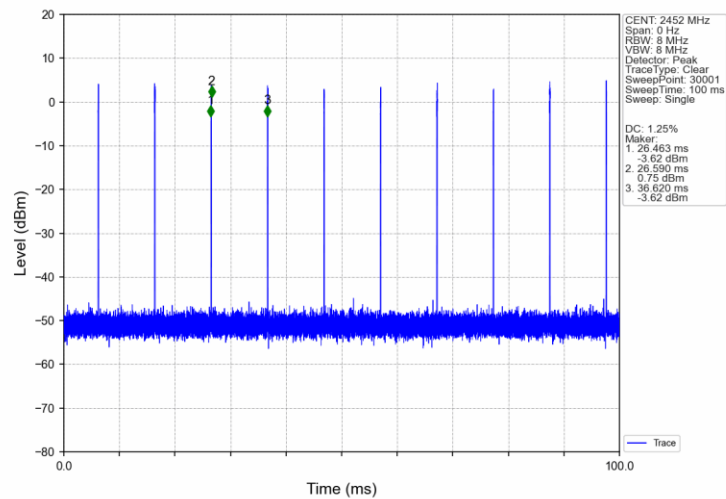
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



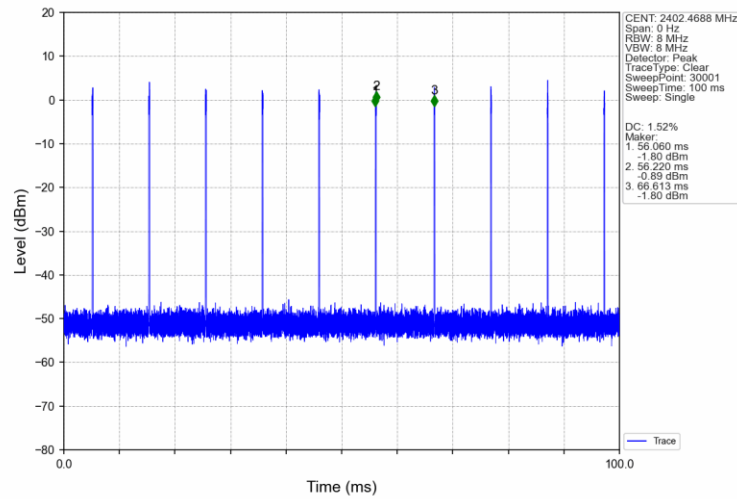
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



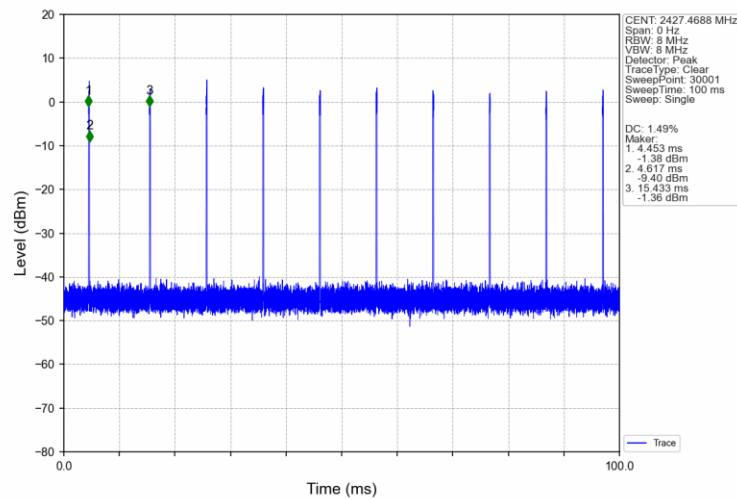
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



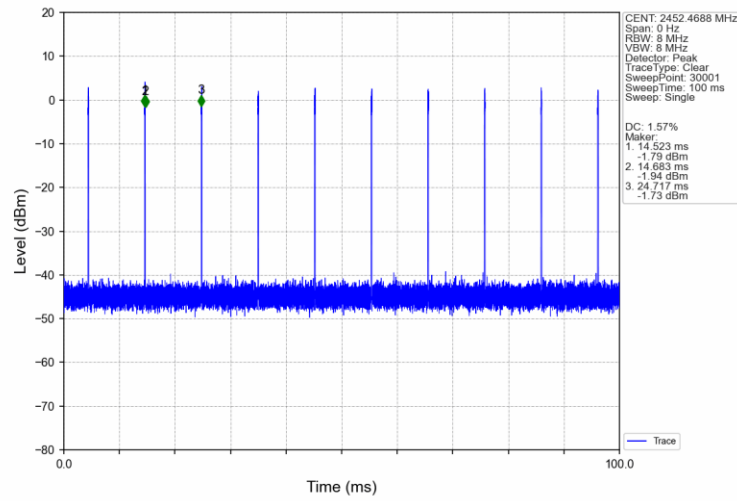
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



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



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



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	13.139	/	Pass
		2437	/	/	1	13.158	/	Pass
		2462	/	/	1	13.139	/	Pass
802.11g	SISO	2412	/	/	1	18.072	/	Pass
		2437	/	/	1	18.045	/	Pass
		2462	/	/	1	17.989	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.347	/	Pass
		2437	/	/	1	18.177	/	Pass
		2462	/	/	1	18.300	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.763	/	Pass
		2437	/	/	1	36.462	/	Pass
		2452	/	/	1	36.865	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.485	/	Pass
		2437	SU	/	1	19.516	/	Pass
		2462	SU	/	1	19.472	/	Pass

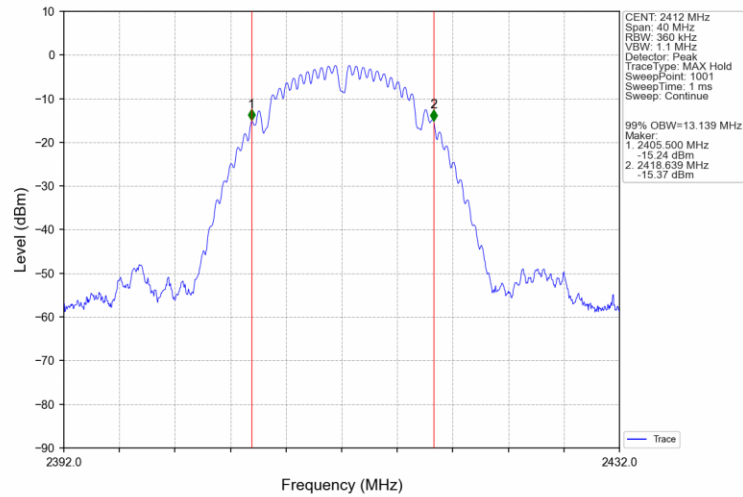
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.094	≥ 0.5	Pass
		2437	/	/	1	9.053	≥ 0.5	Pass
		2462	/	/	1	8.617	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.410	≥ 0.5	Pass
		2437	/	/	1	16.357	≥ 0.5	Pass
		2462	/	/	1	16.290	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.220	≥ 0.5	Pass
		2437	/	/	1	16.747	≥ 0.5	Pass
		2462	/	/	1	17.226	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.136	≥ 0.5	Pass
		2437	/	/	1	33.485	≥ 0.5	Pass
		2452	/	/	1	35.199	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	15.084	≥ 0.5	Pass
		2437	SU	/	1	17.885	≥ 0.5	Pass
		2462	SU	/	1	17.532	≥ 0.5	Pass

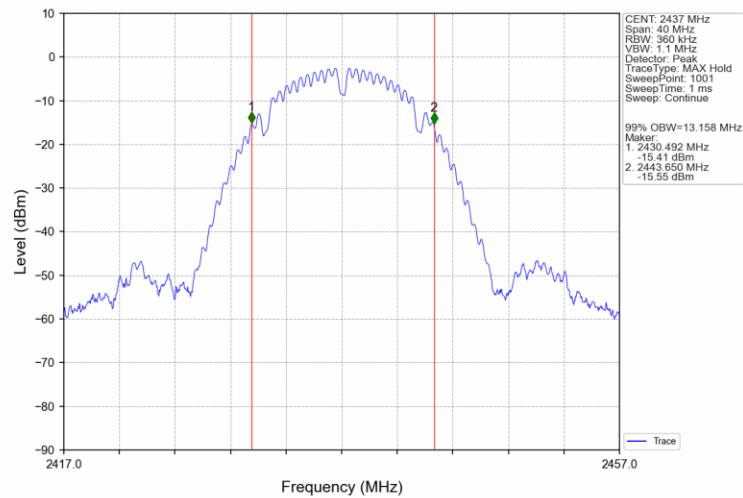
2.2 Test Graph

2.2.1 OBW

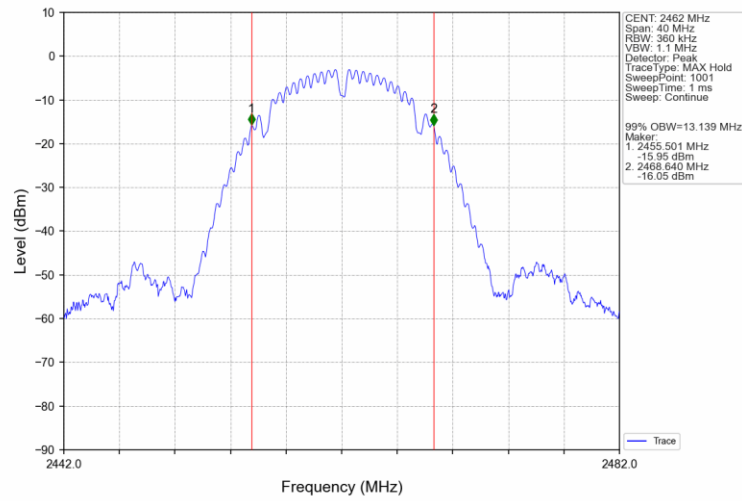
802.11b LCH 2412MHz Ant1 (SISO) NTN



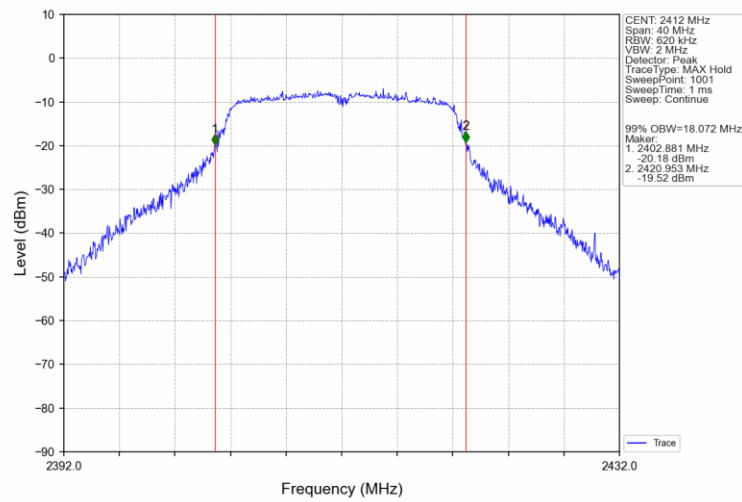
802.11b MCH 2437MHz Ant1 (SISO) NTN



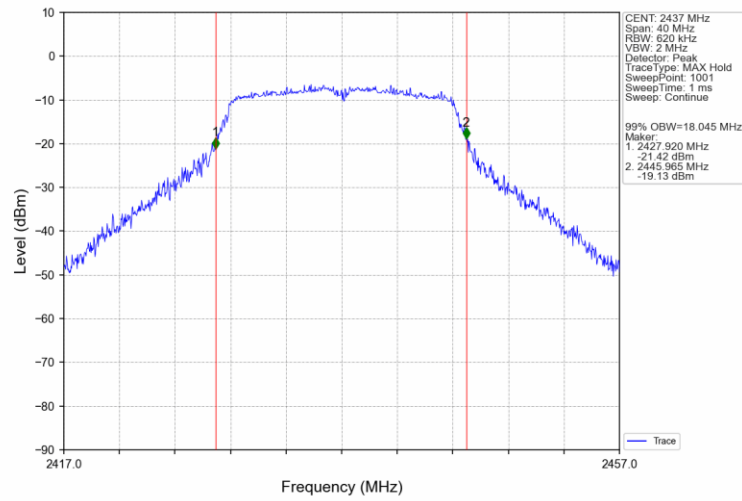
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



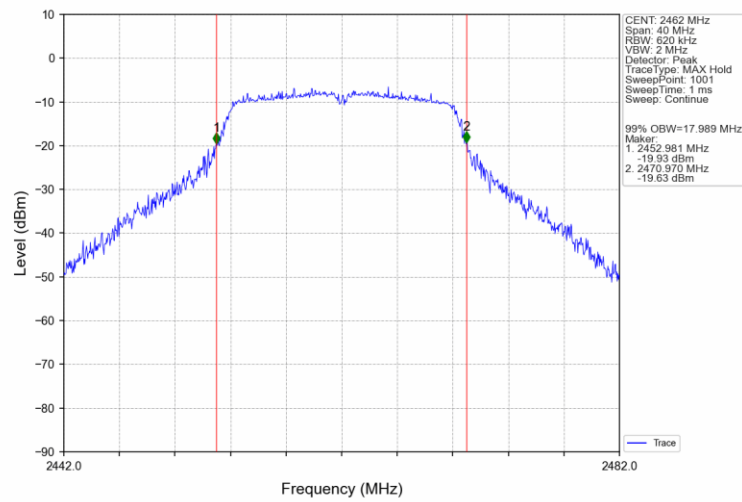
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



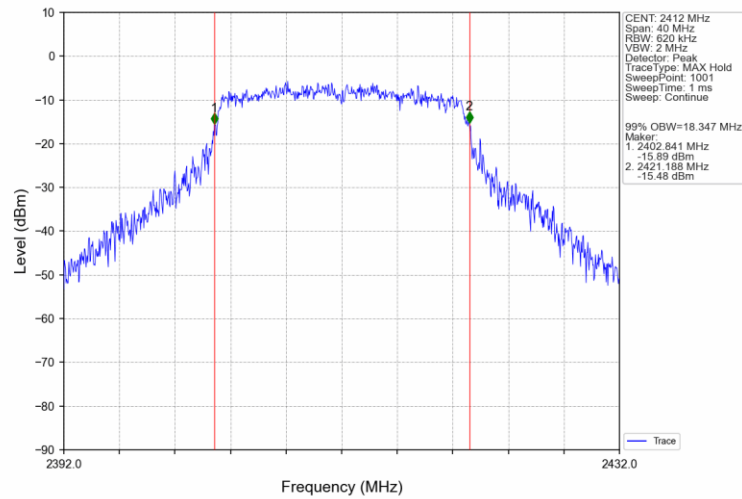
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



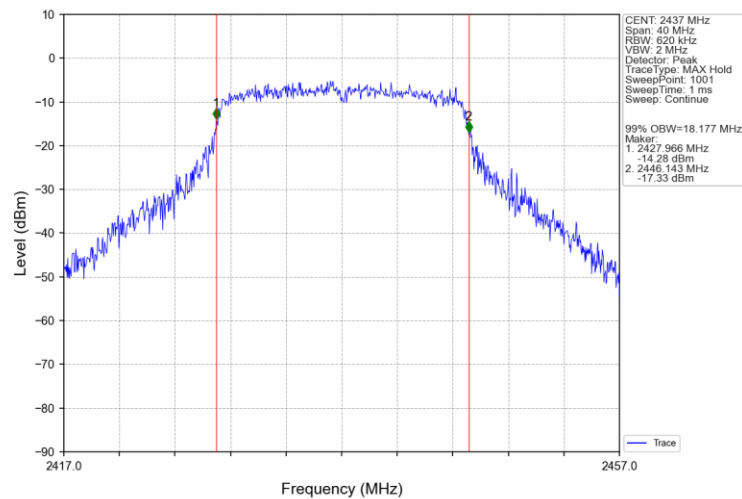
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



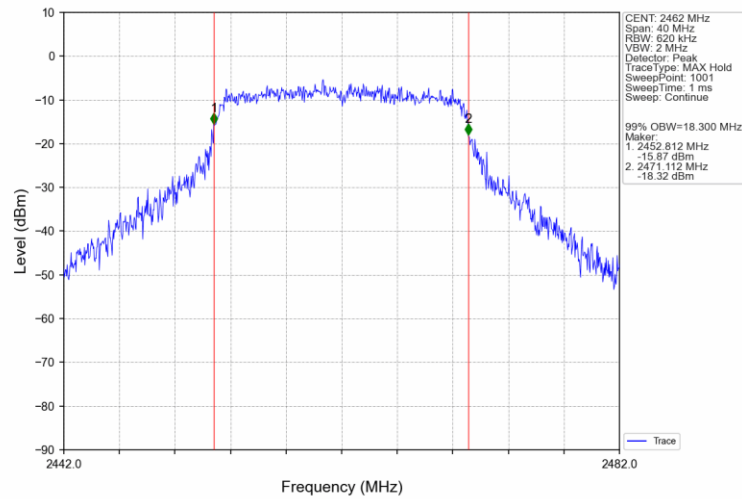
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



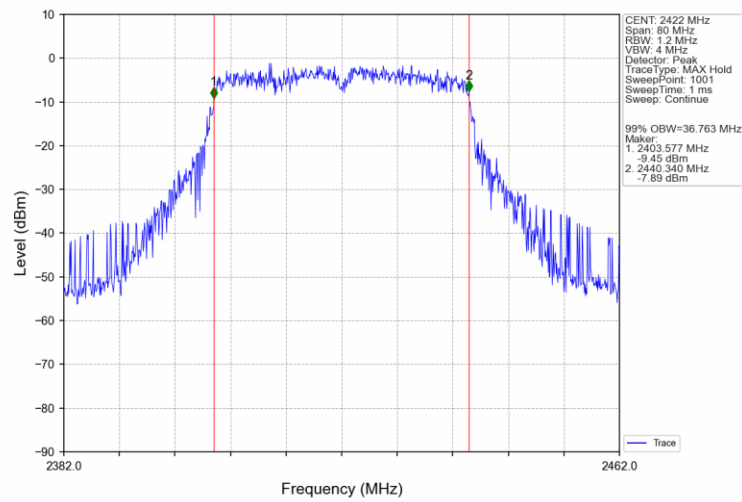
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



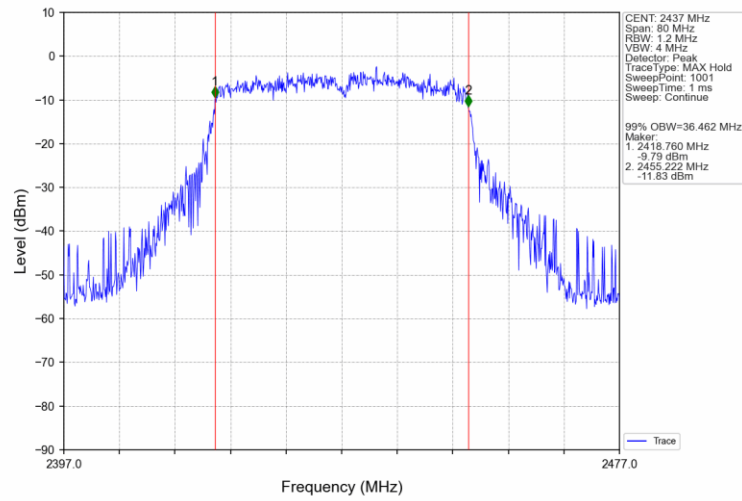
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



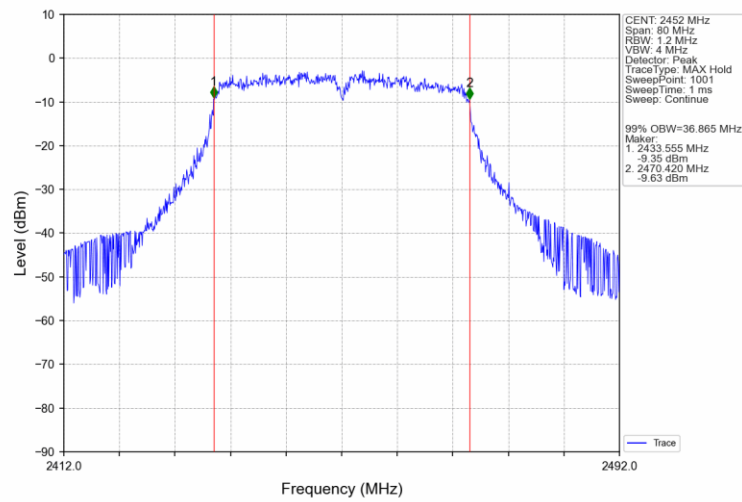
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



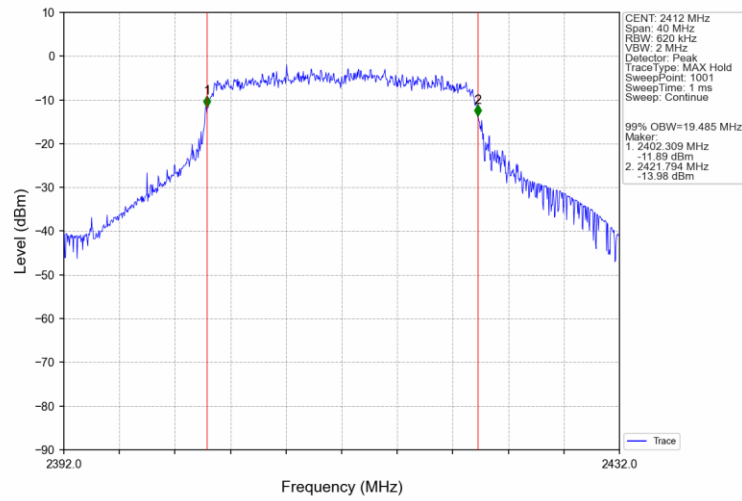
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



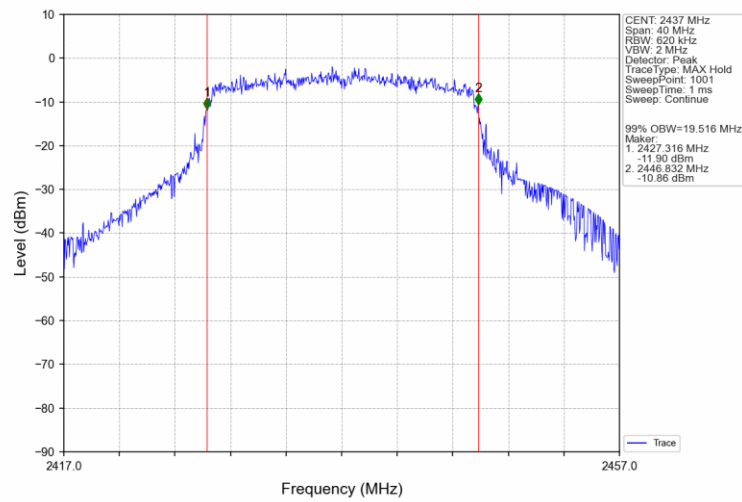
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



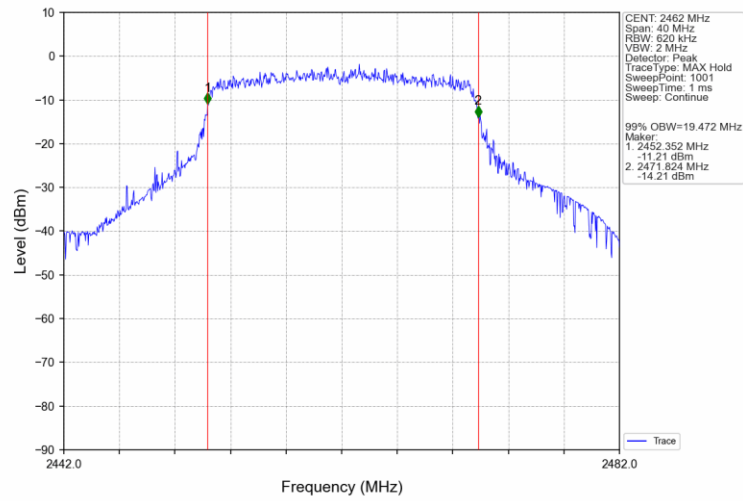
802.11ax(HEW20) LCH 2412MHz_SU / _Ant1 (SISO) NTN



802.11ax(HEW20) MCH 2437MHz_SU / _Ant1 (SISO) NTN

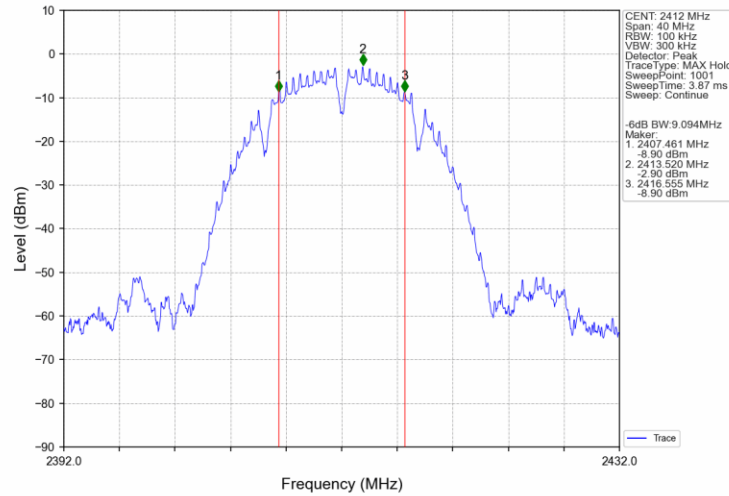


802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV

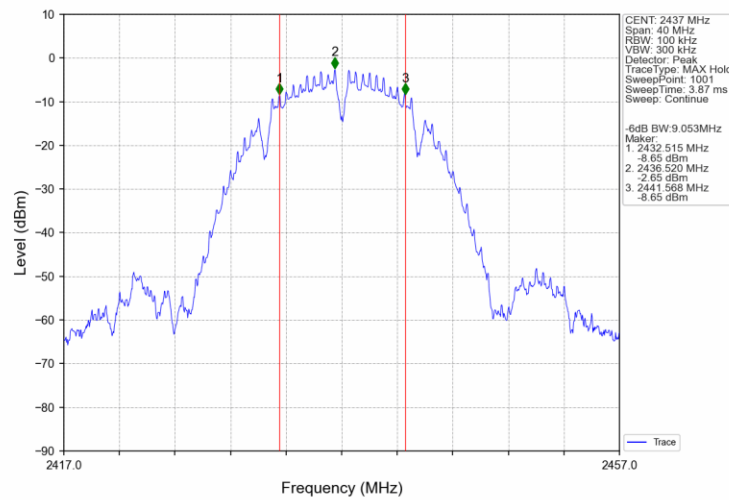


2.2.2 6dB BW

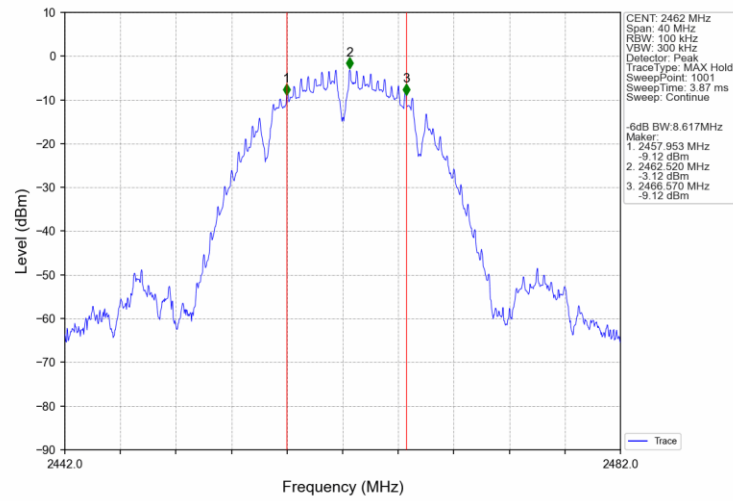
802.11b LCH 2412MHz Ant1 (SISO) NTN



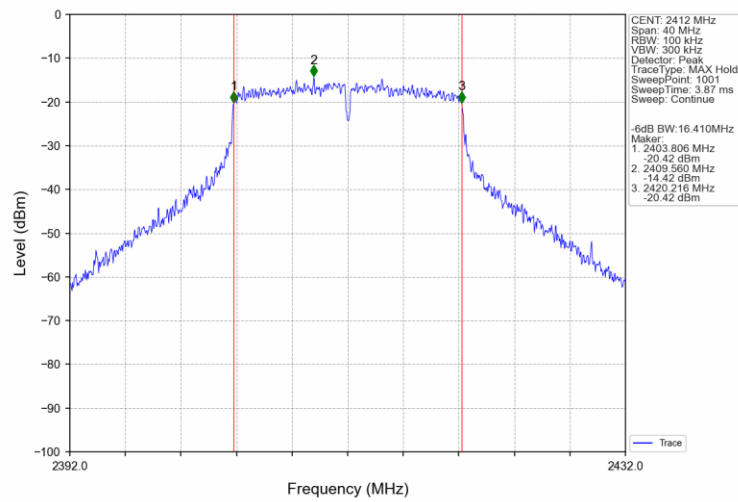
802.11b MCH 2437MHz Ant1 (SISO) NTN



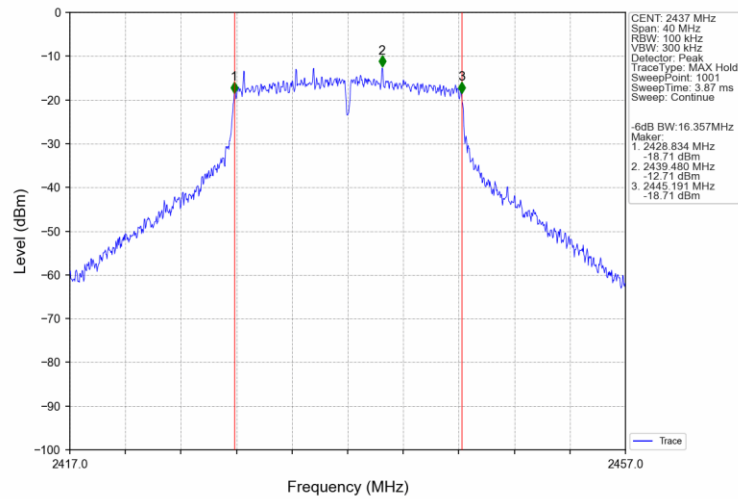
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



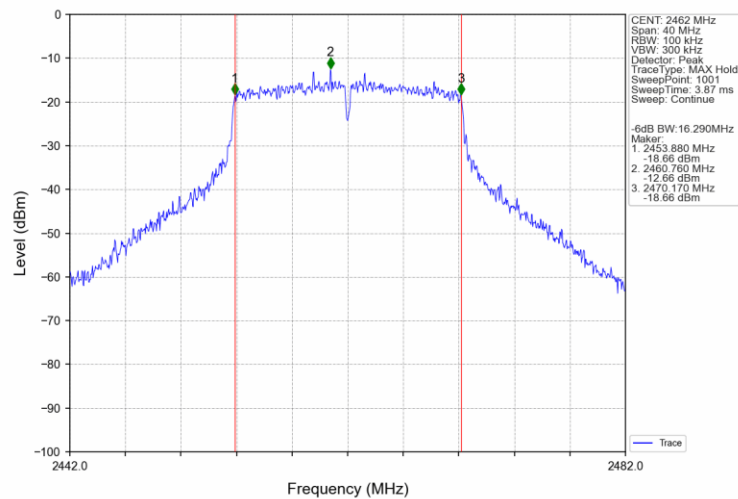
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



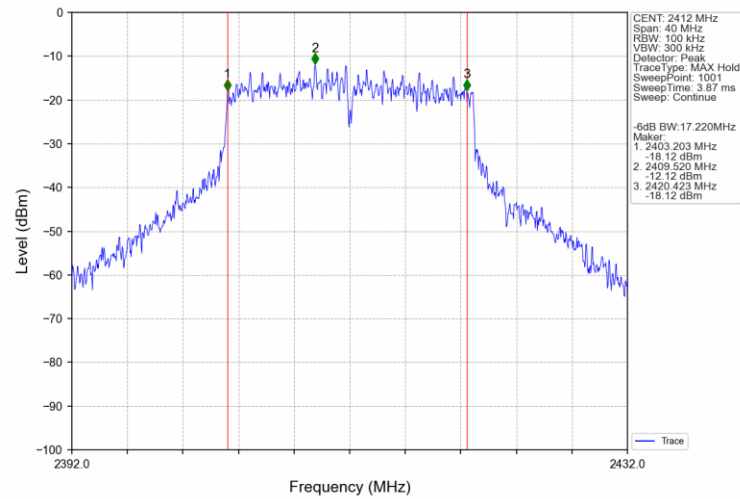
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



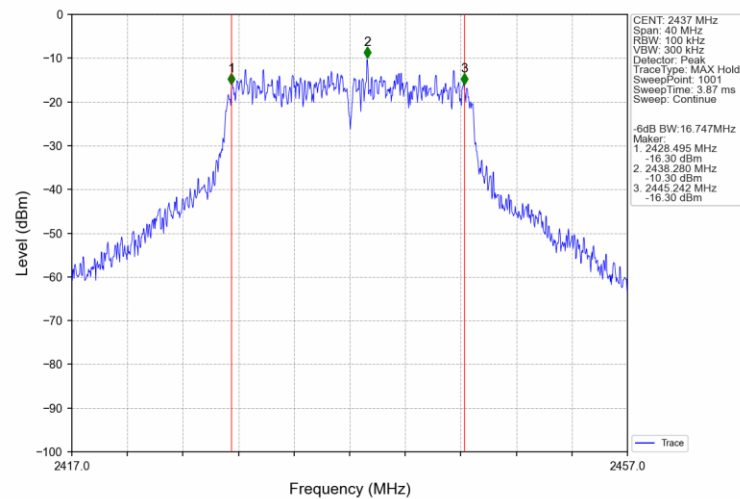
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



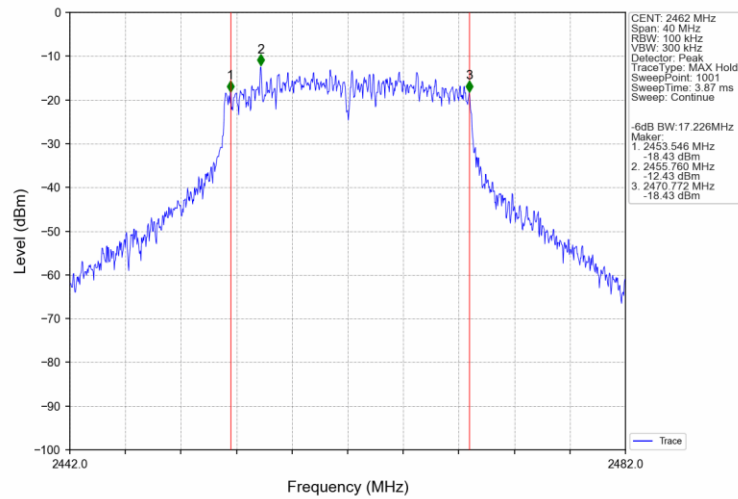
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



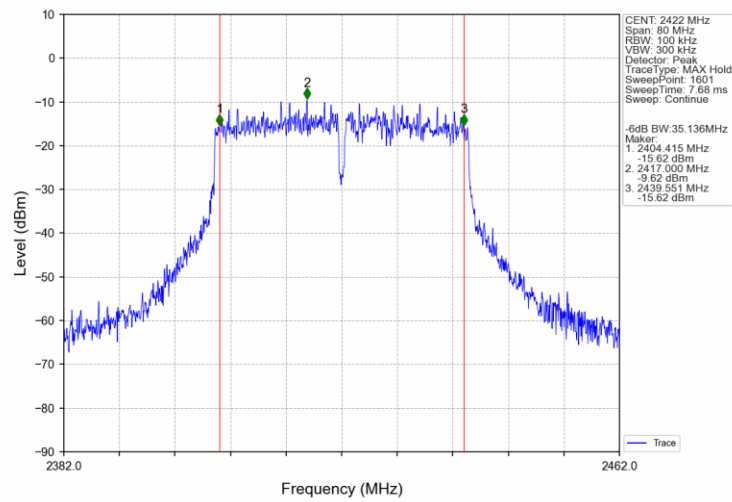
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



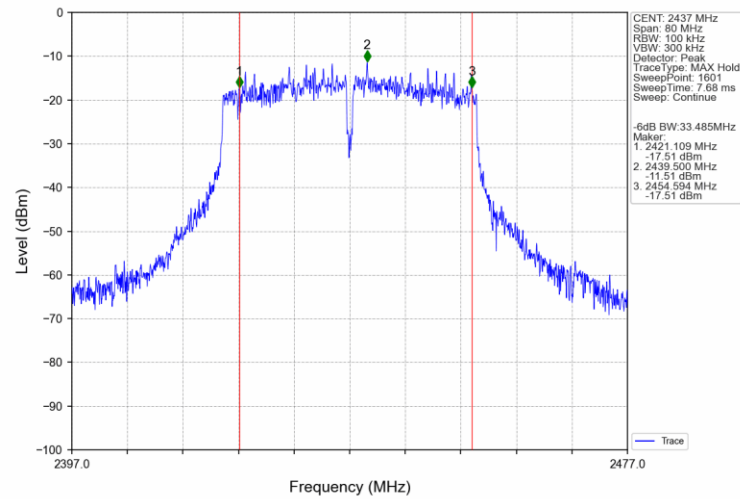
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



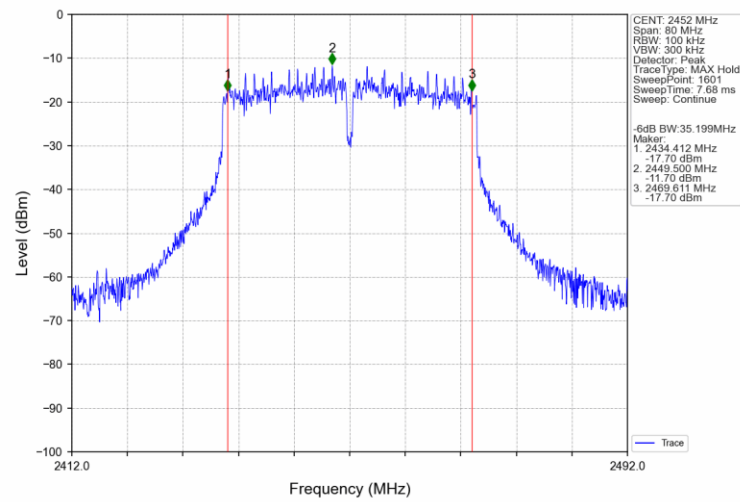
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



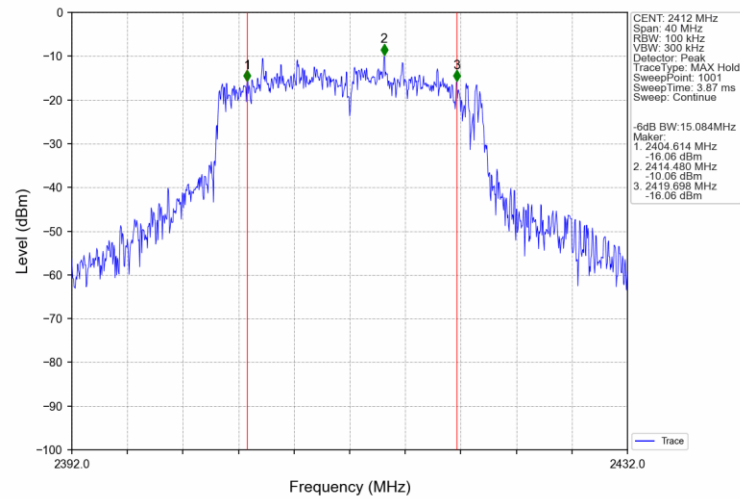
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



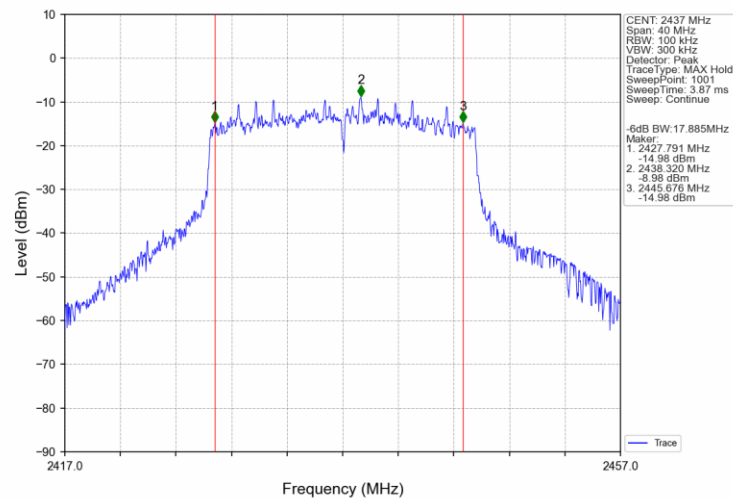
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



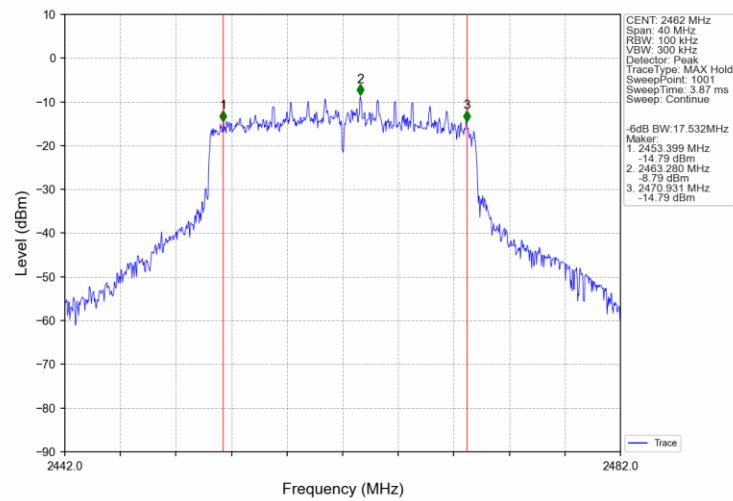
802.11ax(HEW20) LCH 2412MHz_SU / _Ant1 (SISO) NTNv



802.11ax(HEW20) MCH 2437MHz_SU / _Ant1 (SISO) NTNv



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



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	/	/	8.31	<=30	Pass
		2437	/	/	8.11	<=30	Pass
		2462	/	/	7.51	<=30	Pass
802.11g	SISO	2412	/	/	5.73	<=30	Pass
		2437	/	/	6.44	<=30	Pass
		2462	/	/	5.94	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	5.85	<=30	Pass
		2437	/	/	6.47	<=30	Pass
		2462	/	/	5.99	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	8.41	<=30	Pass
		2437	/	/	7.83	<=30	Pass
		2452	/	/	7.52	<=30	Pass
802.11ax (HEW20)	SISO	2412	SU	/	6.84	<=30	Pass
		2437	SU	/	8.95	<=30	Pass
		2462	SU	/	8.78	<=30	Pass

4. Maximum Power Spectral Density

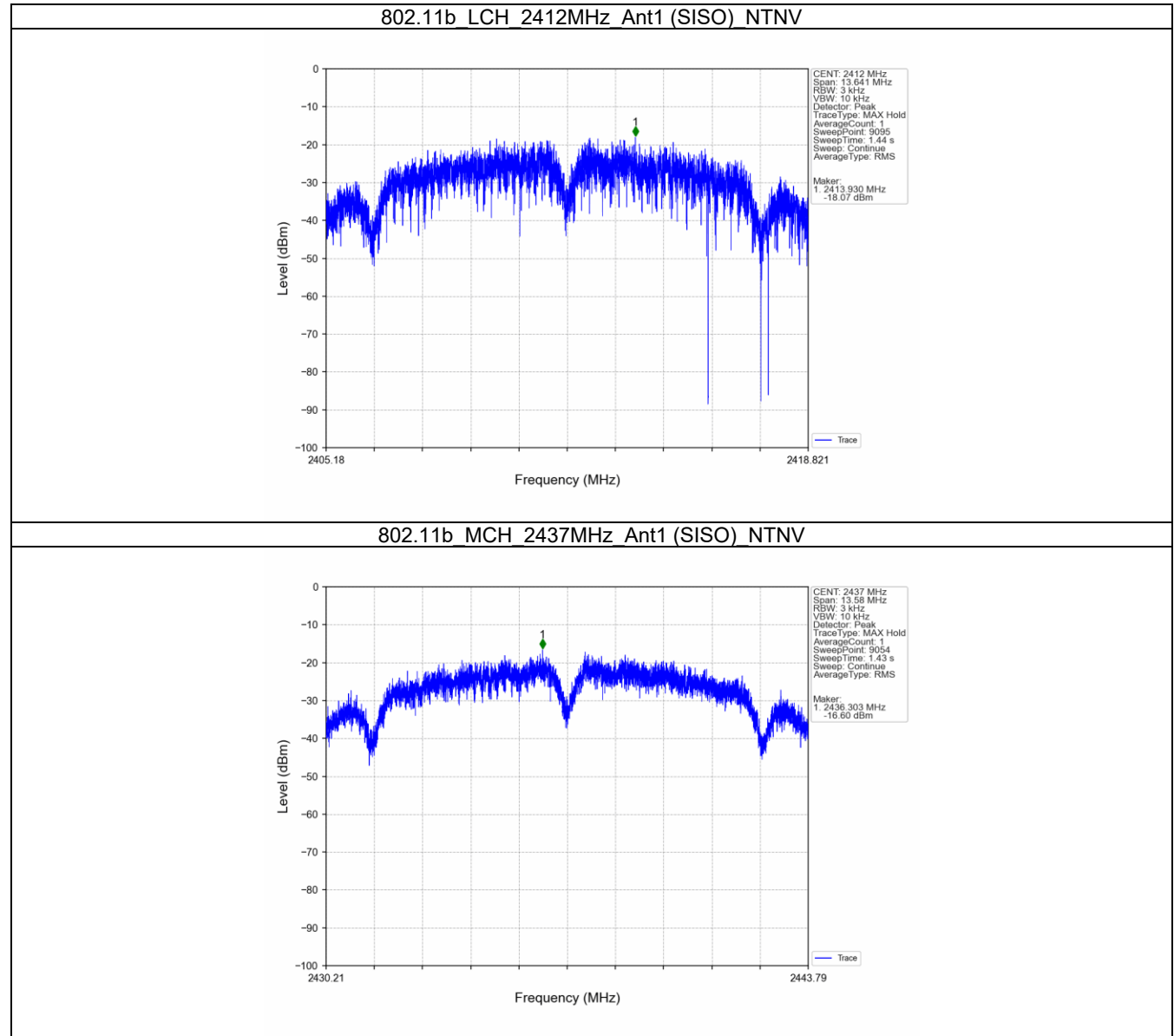
4.1 Test Result

4.1.1 PSD

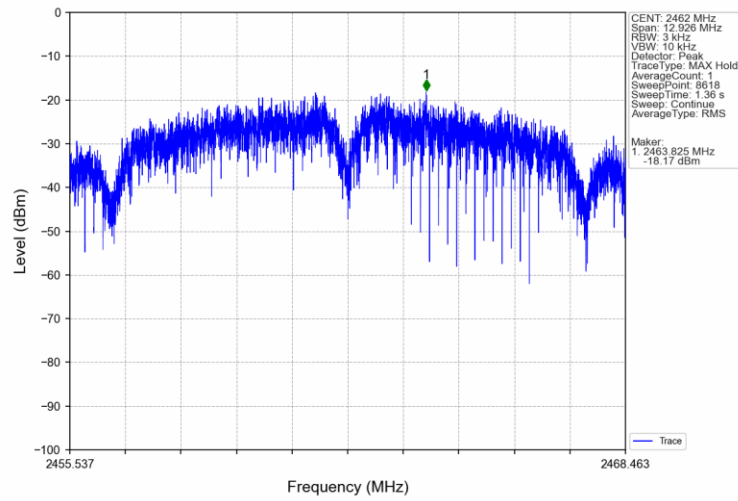
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-18.07	<=8	Pass
		2437	/	/	-16.60	<=8	Pass
		2462	/	/	-18.17	<=8	Pass
802.11g	SISO	2412	/	/	-25.48	<=8	Pass
		2437	/	/	-24.86	<=8	Pass
		2462	/	/	-25.40	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-25.52	<=8	Pass
		2437	/	/	-25.56	<=8	Pass
		2462	/	/	-26.29	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-25.52	<=8	Pass
		2437	/	/	-27.36	<=8	Pass
		2452	/	/	-27.84	<=8	Pass
802.11ax (HEW20)	SISO	2412	SU	/	-25.56	<=8	Pass
		2437	SU	/	-24.92	<=8	Pass
		2462	SU	/	-23.43	<=8	Pass

4.2 Test Graph

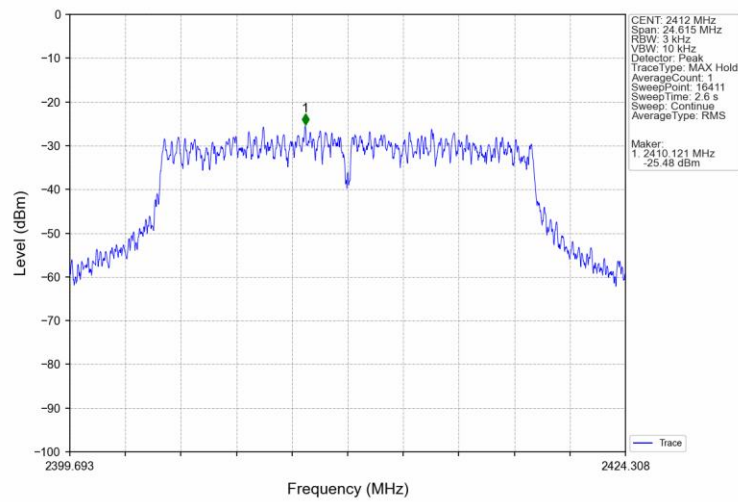
4.2.1 PSD



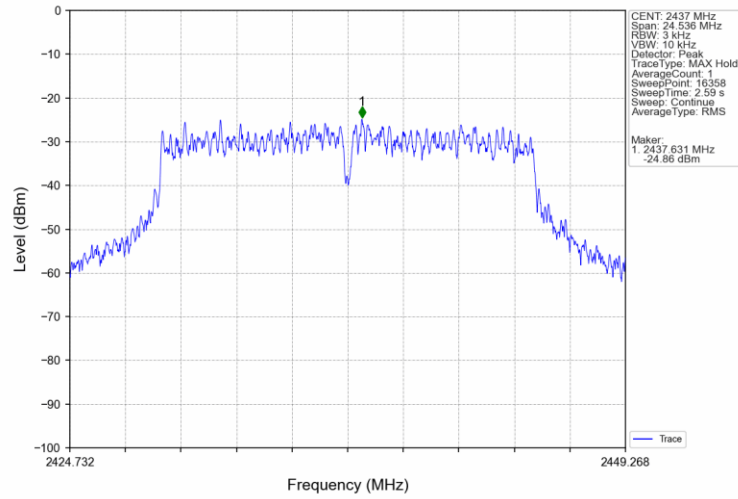
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



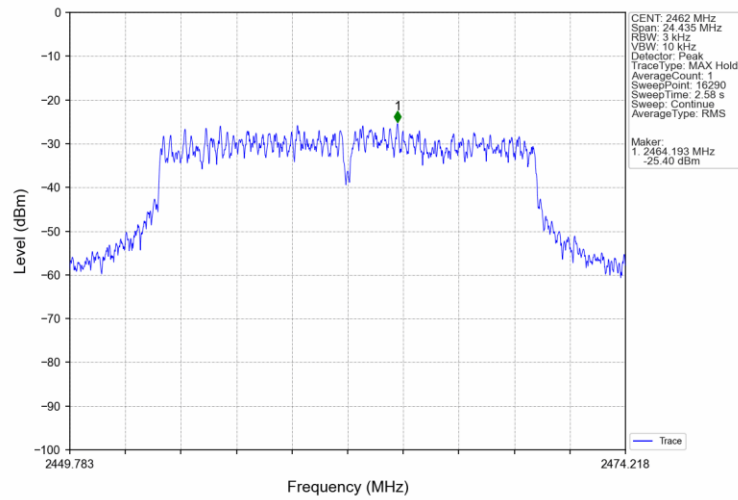
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



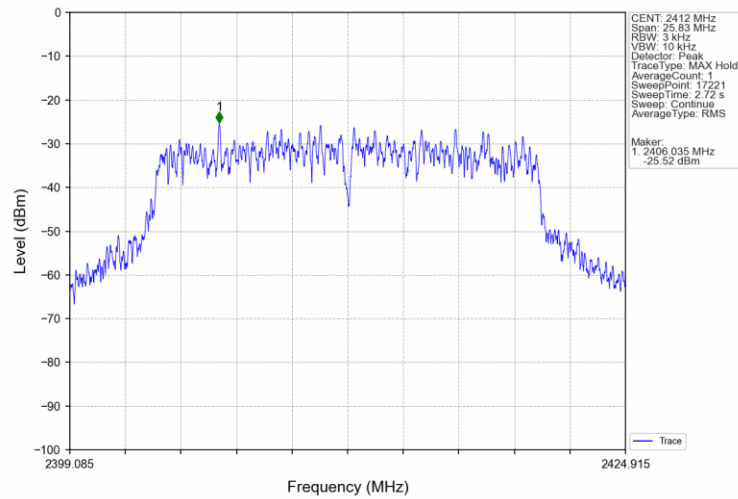
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



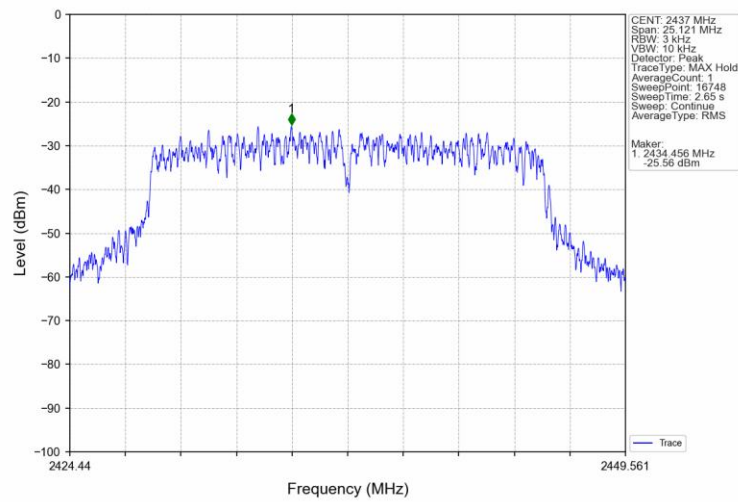
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



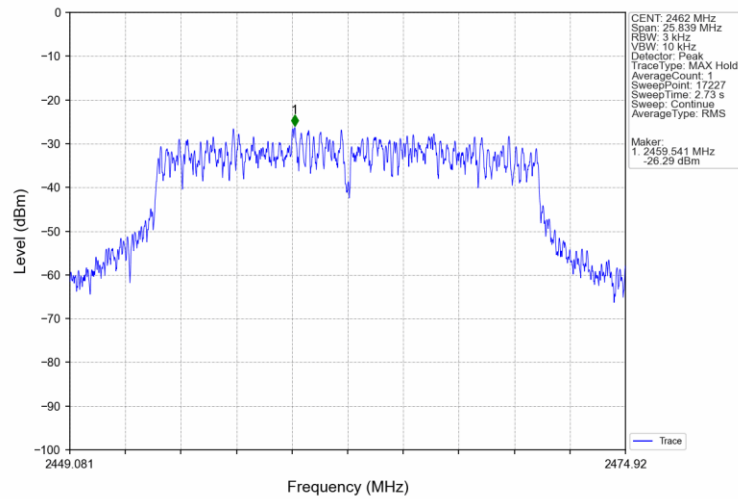
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



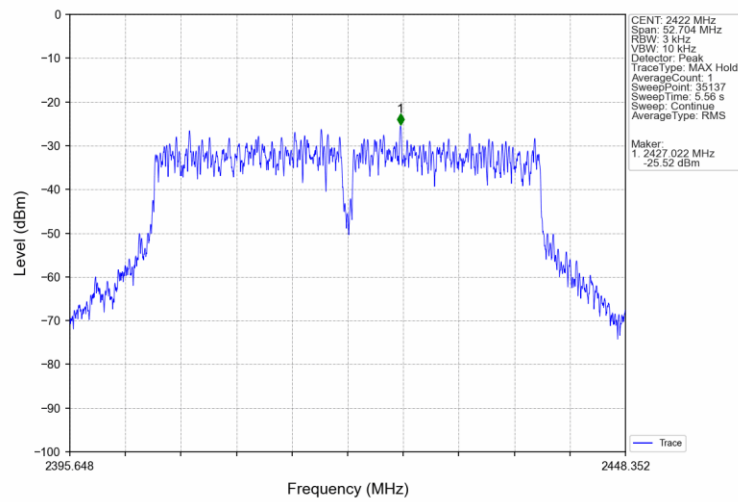
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



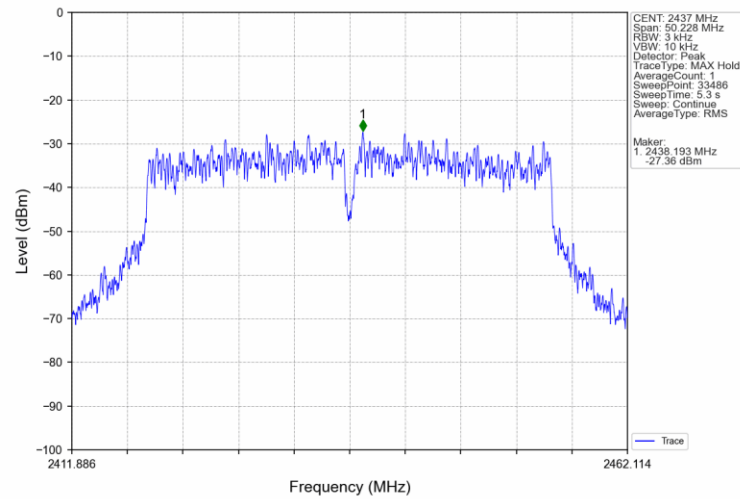
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



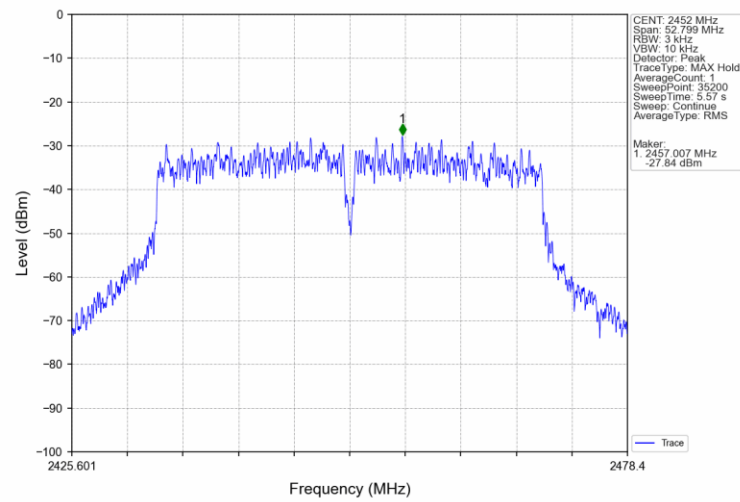
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



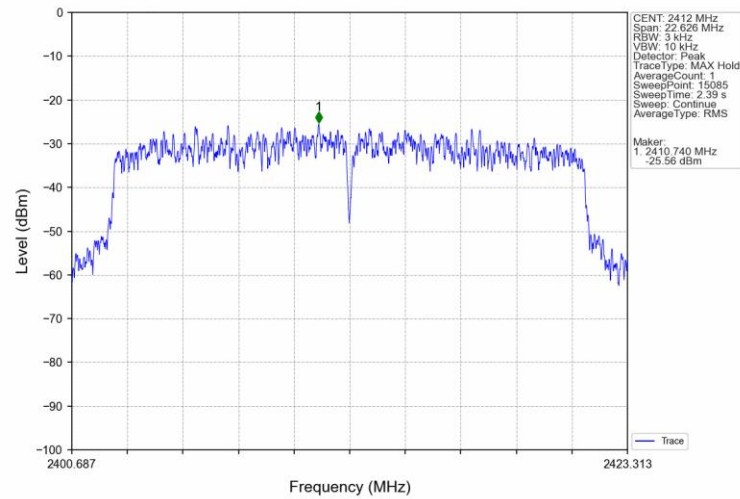
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



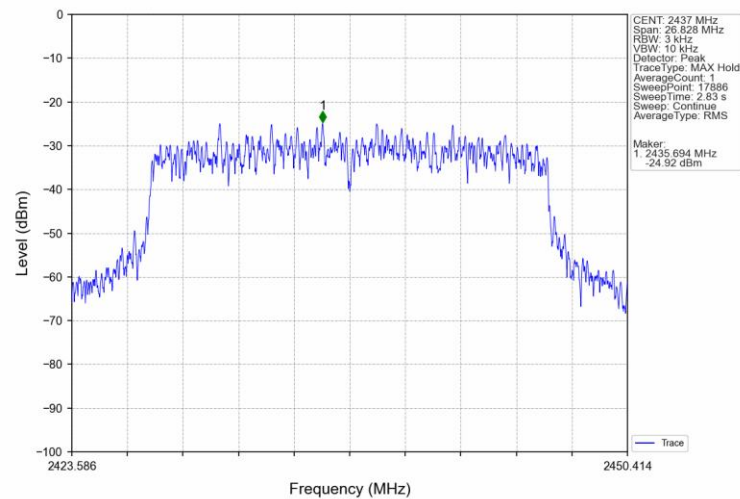
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



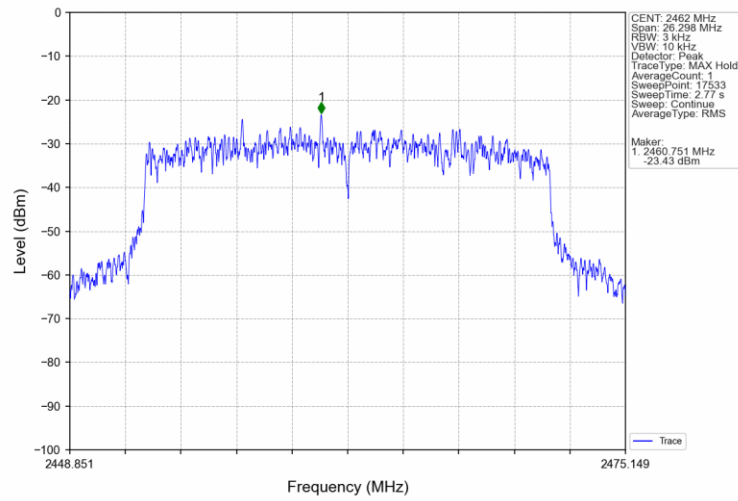
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



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



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



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	-2.81
		2437	/	/	1	-2.62
		2462	/	/	1	-3.21
802.11g	SISO	2412	/	/	1	-12.22
		2437	/	/	1	-12.10
		2462	/	/	1	-13.15
802.11n (HT20)	SISO	2412	/	/	1	-11.58
		2437	/	/	1	-10.47
		2462	/	/	1	-10.94
802.11n (HT40)	SISO	2422	/	/	1	-9.84
		2437	/	/	1	-11.30
		2452	/	/	1	-11.68
802.11ax (HEW20)	SISO	2412	SU	/	1	-9.30
		2437	SU	/	1	-9.09
		2462	SU	/	1	-9.78

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

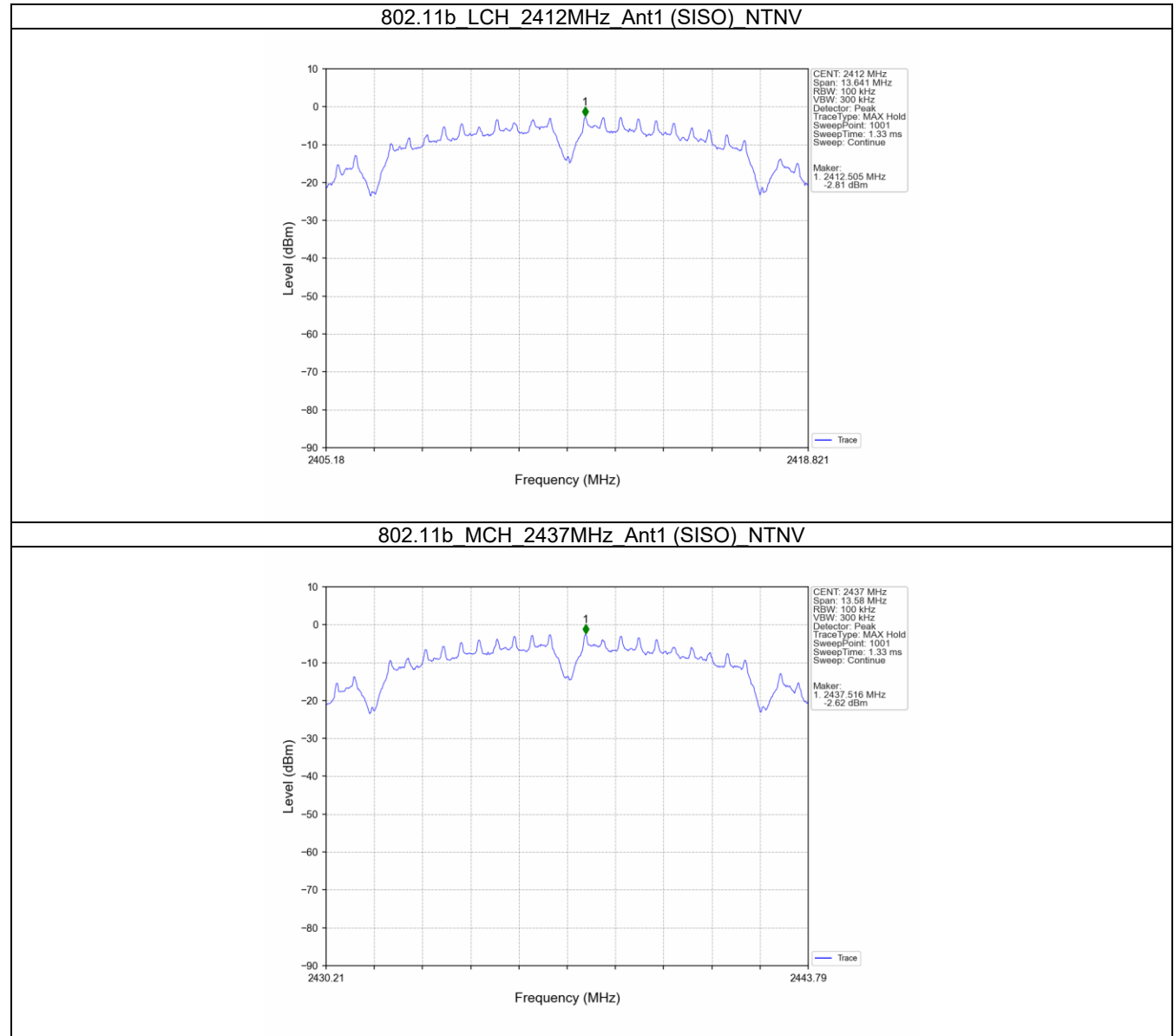
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	-2.81	-22.81	Pass
		2437	/	/	1	-2.62	-22.62	Pass
		2462	/	/	1	-3.21	-23.21	Pass
802.11g	SISO	2412	/	/	1	-12.22	-32.22	Pass
		2437	/	/	1	-12.10	-32.10	Pass
		2462	/	/	1	-13.15	-33.15	Pass
802.11n (HT20)	SISO	2412	/	/	1	-11.58	-31.58	Pass
		2437	/	/	1	-10.47	-30.47	Pass
		2462	/	/	1	-10.94	-30.94	Pass
802.11n (HT40)	SISO	2422	/	/	1	-9.84	-29.84	Pass
		2437	/	/	1	-11.30	-31.30	Pass
		2452	/	/	1	-11.68	-31.68	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	-9.30	-29.30	Pass
		2437	SU	/	1	-9.09	-29.09	Pass
		2462	SU	/	1	-9.78	-29.78	Pass

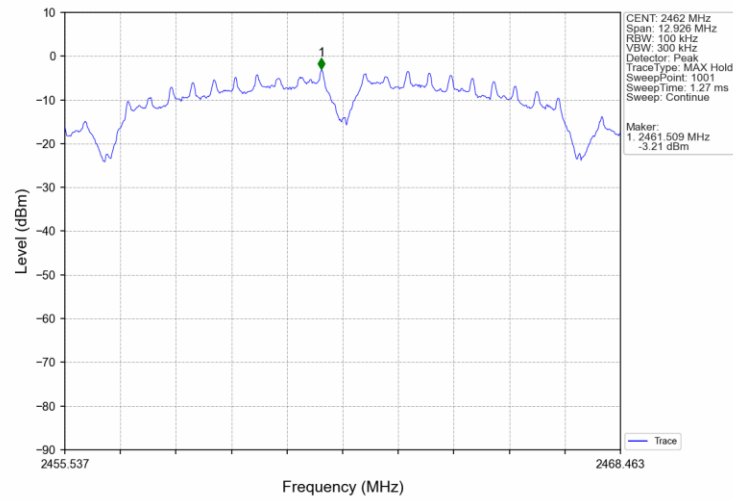
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

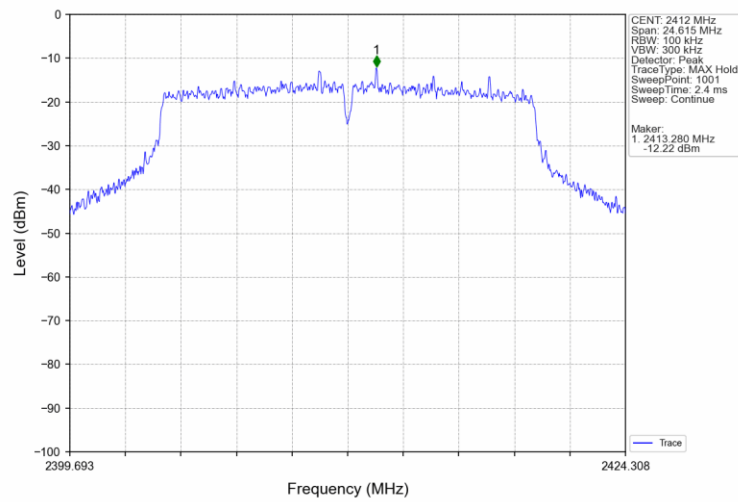
5.2.1 Ref



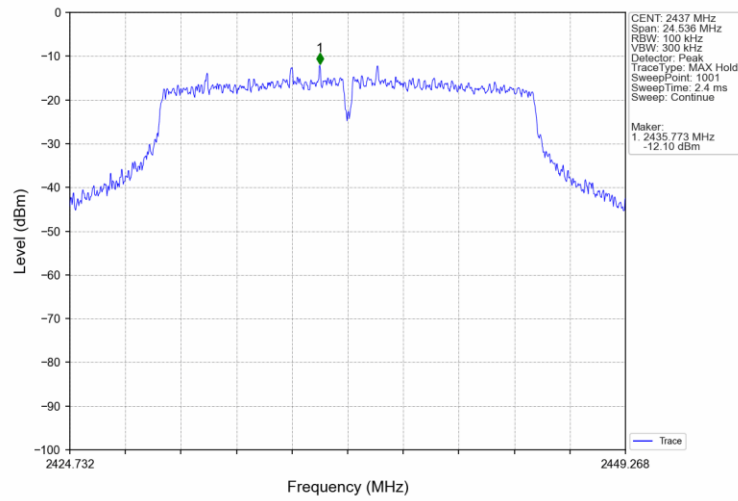
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



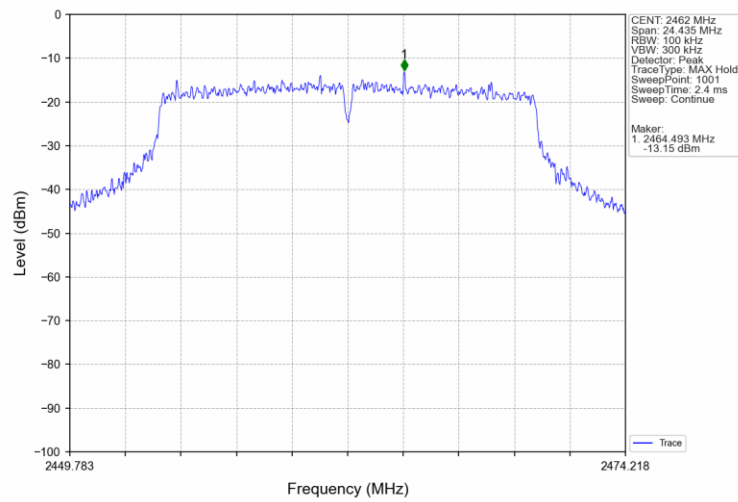
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



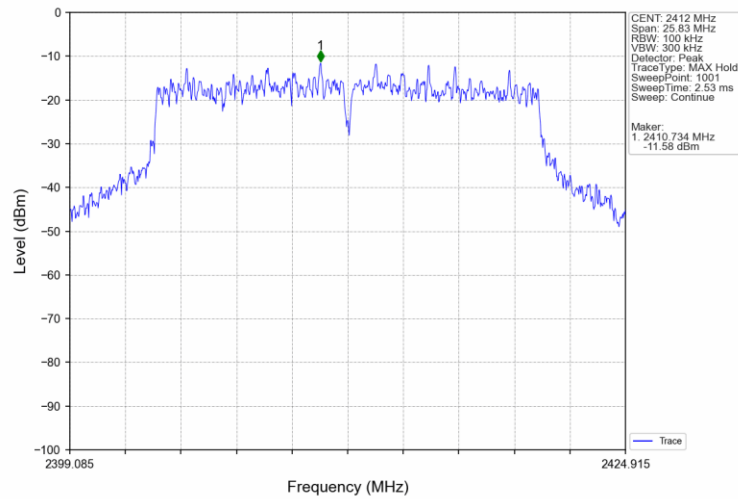
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



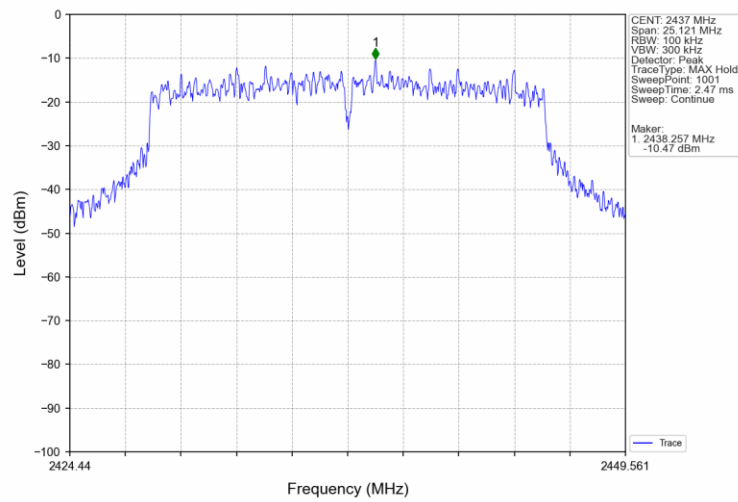
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



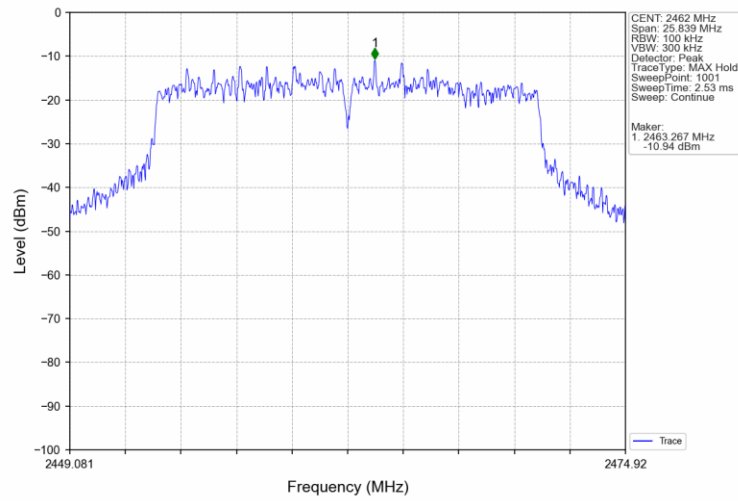
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



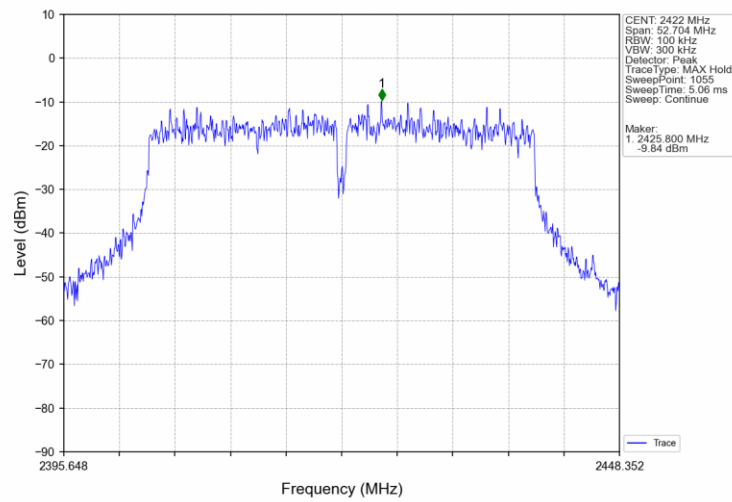
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



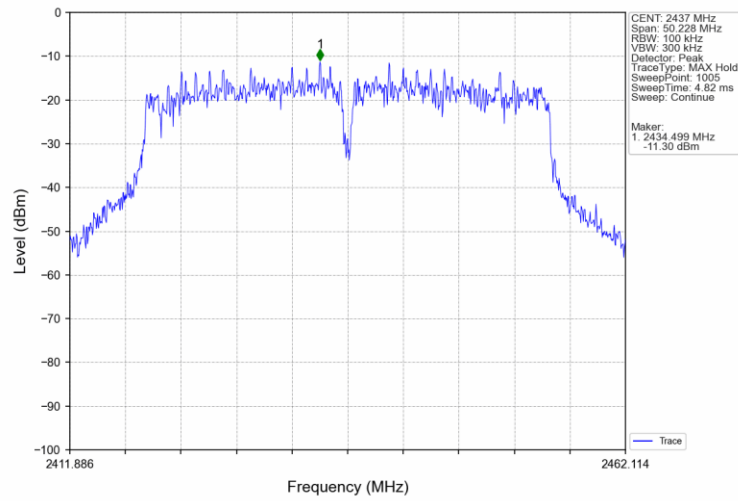
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

