

1. Duty Cycle

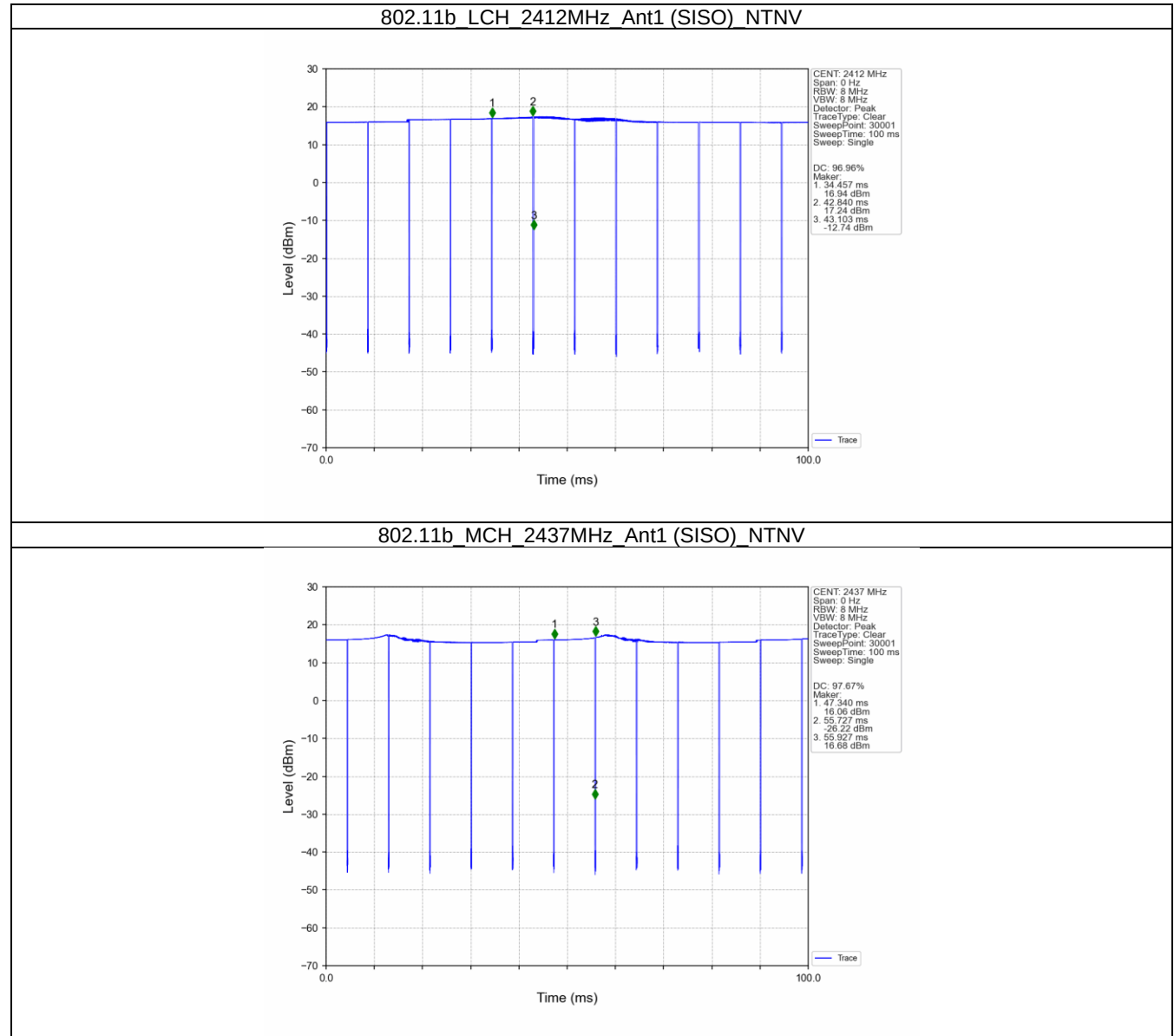
1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.383	8.646	96.96	0.13	1.02
		2437	8.387	8.587	97.67	0.10	0.30
		2462	8.387	8.630	97.18	0.12	0.80
802.11g	SISO	2412	1.393	1.644	84.73	0.72	4.40
		2437	1.393	1.977	70.46	1.52	18.15
		2462	1.393	1.653	84.27	0.74	4.86
802.11n (HT20)	SISO	2412	1.174	1.444	81.30	0.90	5.99
		2437	1.175	1.372	85.64	0.67	1.72
		2462	1.174	1.453	80.80	0.93	6.51
802.11n (HT40)	SISO	2422	0.588	0.866	67.90	1.68	10.63
		2437	0.587	0.838	70.05	1.55	8.43
		2452	0.587	0.838	70.05	1.55	7.54

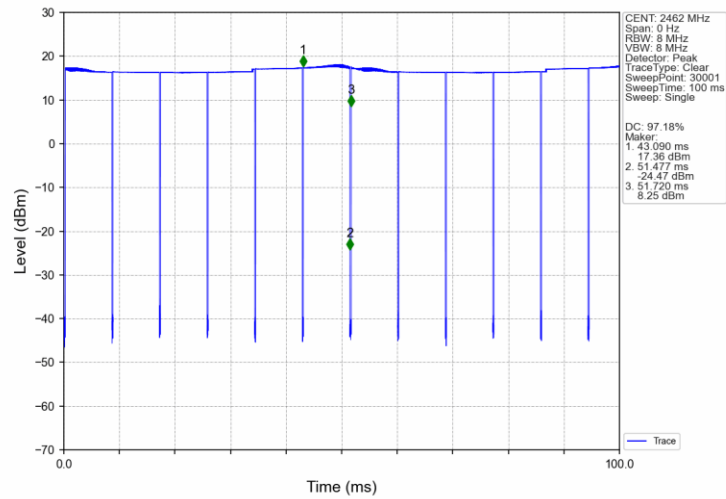
1.2 Test Graph

1.2.1 Ant1

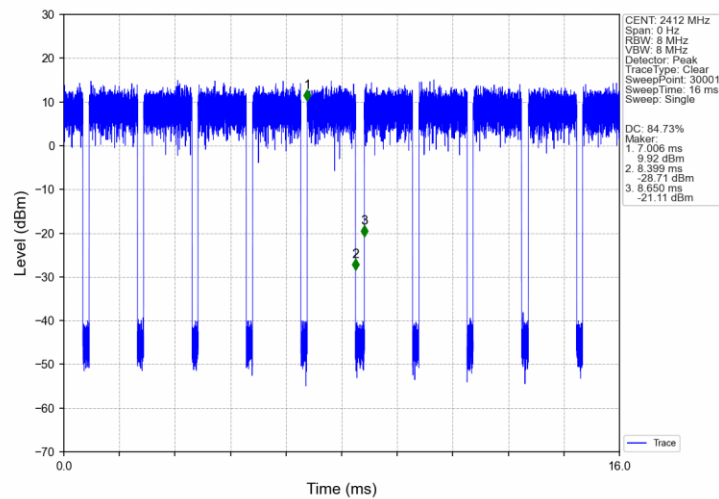




802.11b HCH 2462MHz_Ant1 (SISO) NTNv

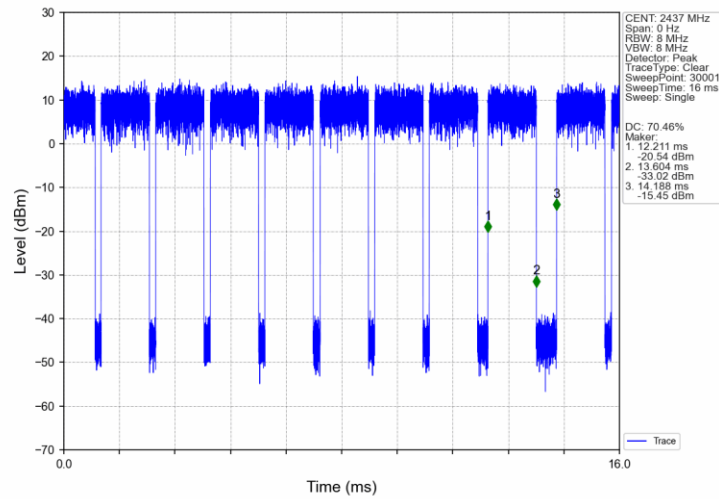


802.11g LCH 2412MHz_Ant1 (SISO) NTNv

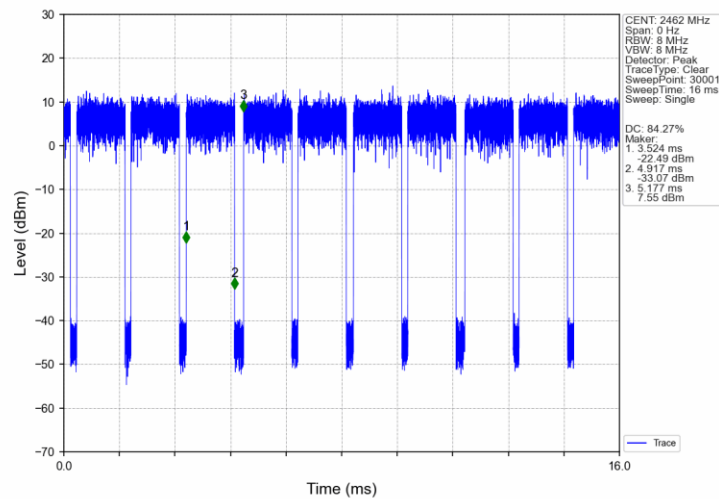




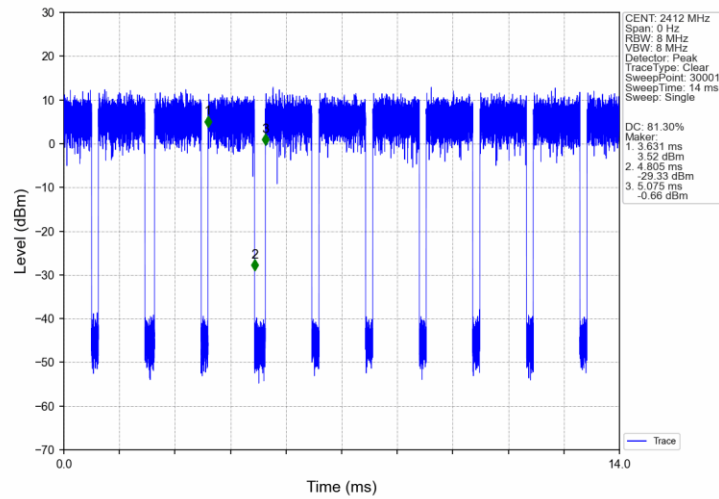
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



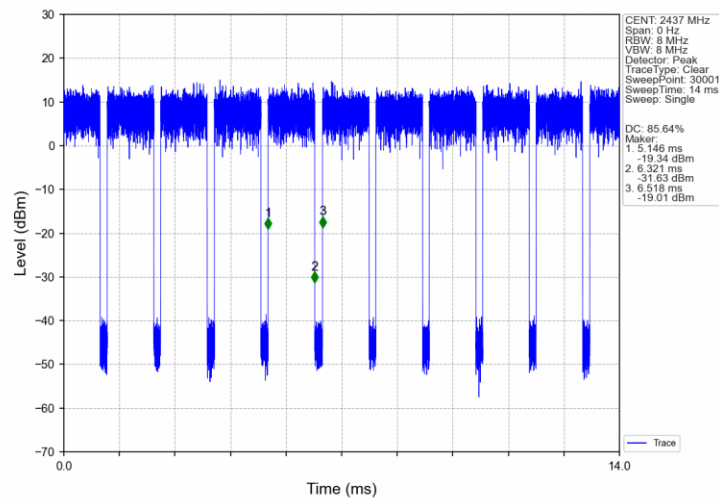
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



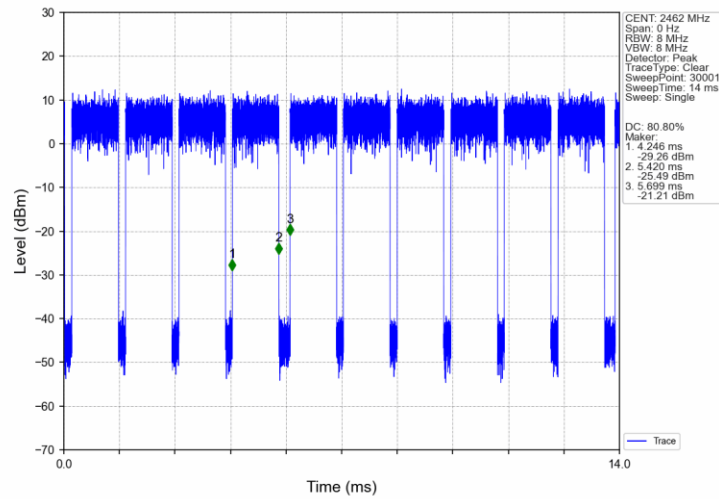
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



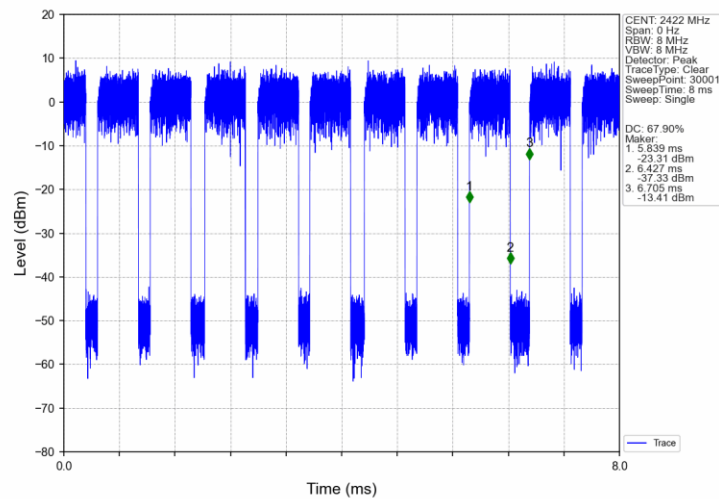
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



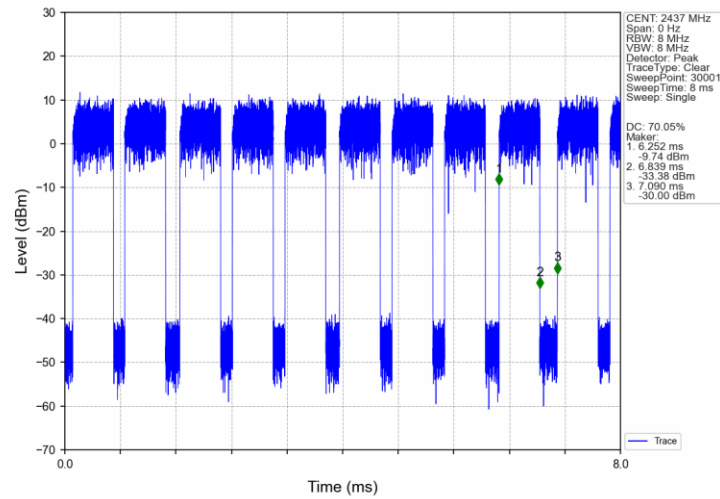
802.11n(HT20) HCH_2462MHz_Ant1 (SISO)_NTNV



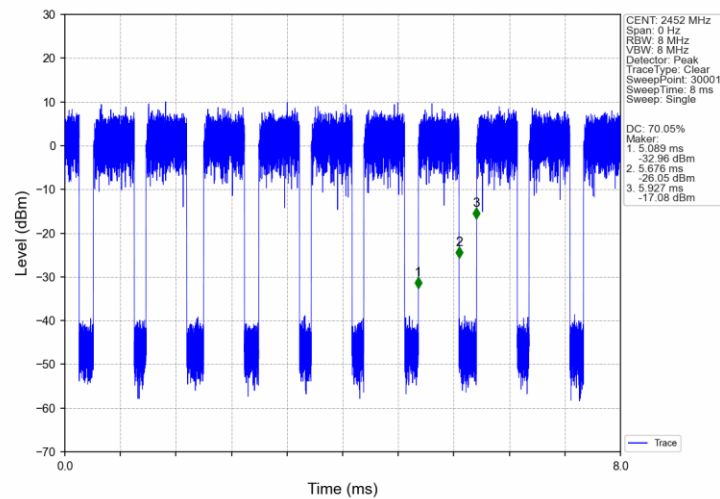
802.11n(HT40) LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.908	/	Pass
		2437	1	11.941	/	Pass
		2462	1	11.956	/	Pass
802.11g	SISO	2412	1	17.395	/	Pass
		2437	1	17.220	/	Pass
		2462	1	17.379	/	Pass
802.11n (HT20)	SISO	2412	1	18.160	/	Pass
		2437	1	17.968	/	Pass
		2462	1	18.228	/	Pass
802.11n (HT40)	SISO	2422	1	36.789	/	Pass
		2437	1	36.297	/	Pass
		2452	1	36.728	/	Pass

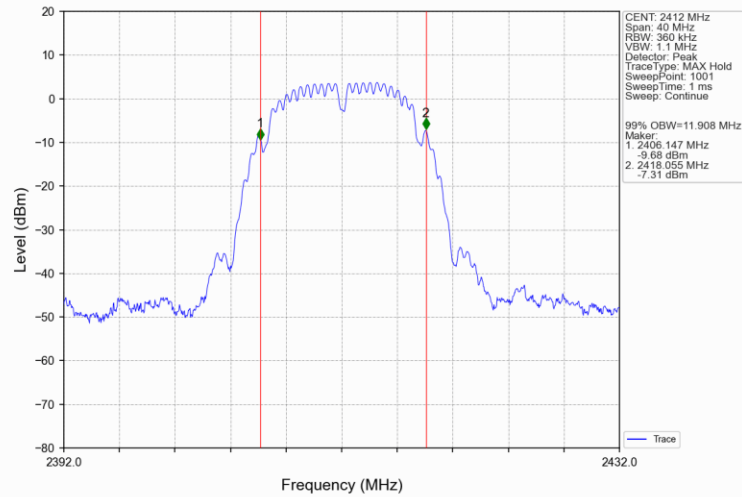
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.062	≥ 0.5	Pass
		2437	1	10.061	≥ 0.5	Pass
		2462	1	9.616	≥ 0.5	Pass
802.11g	SISO	2412	1	16.343	≥ 0.5	Pass
		2437	1	16.247	≥ 0.5	Pass
		2462	1	16.347	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.145	≥ 0.5	Pass
		2437	1	16.545	≥ 0.5	Pass
		2462	1	16.983	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.521	≥ 0.5	Pass
		2437	1	35.193	≥ 0.5	Pass
		2452	1	35.546	≥ 0.5	Pass

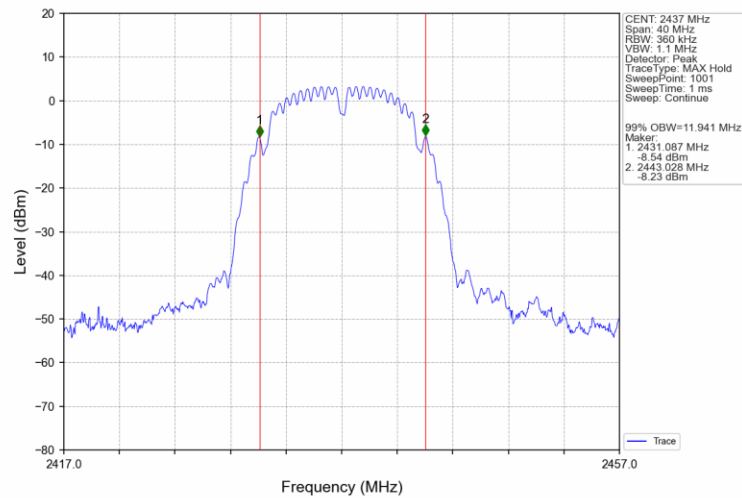
2.2 Test Graph

2.2.1 OBW

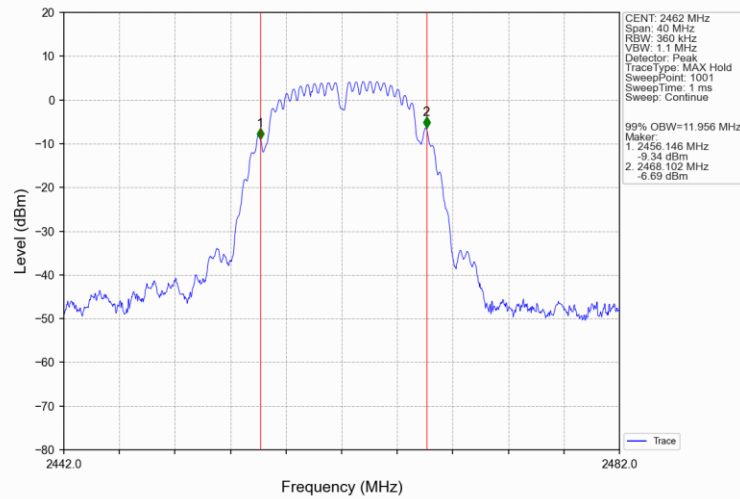
802.11b LCH 2412MHz Ant1 (SISO) NTN



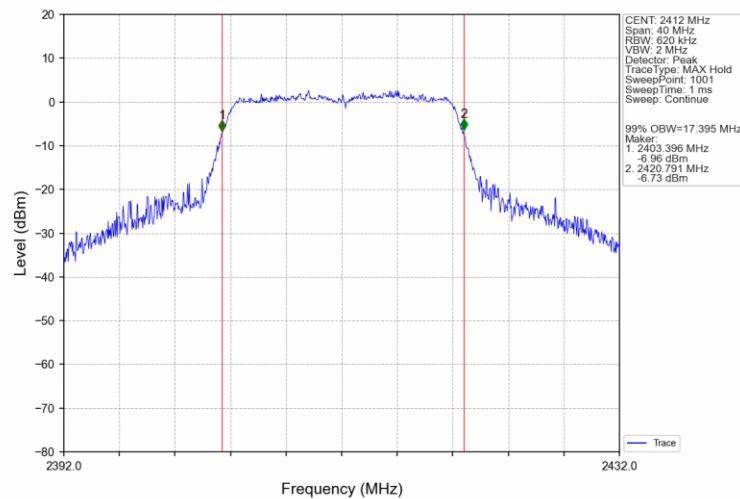
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b HCH 2462MHz_Ant1 (SISO) NTN

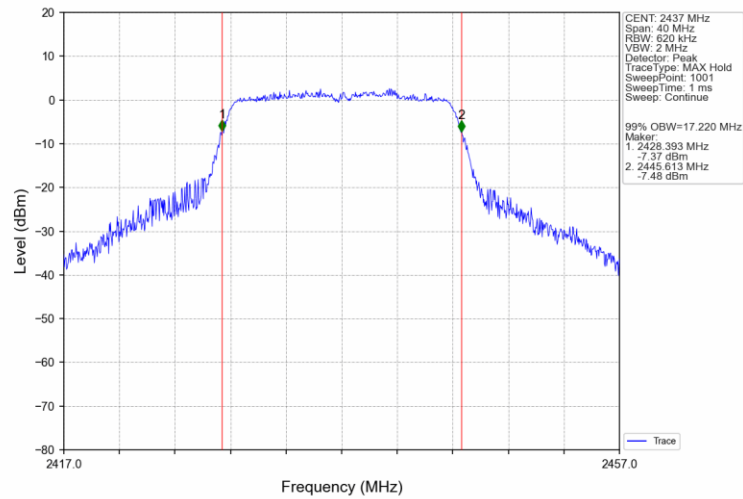


802.11g LCH 2412MHz_Ant1 (SISO) NTN

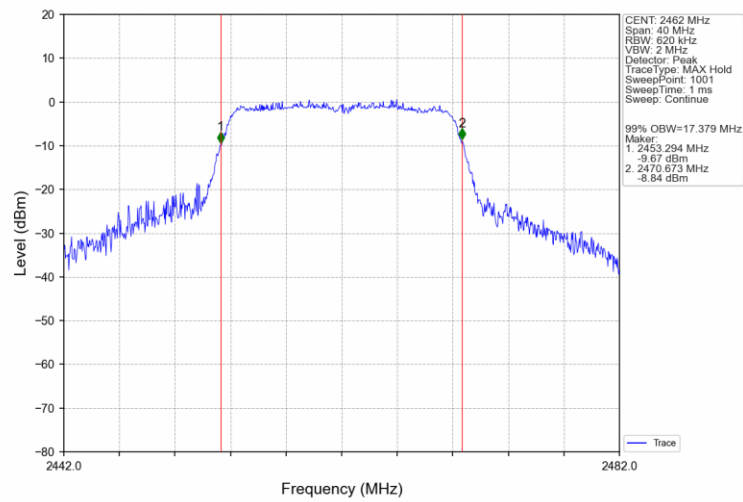




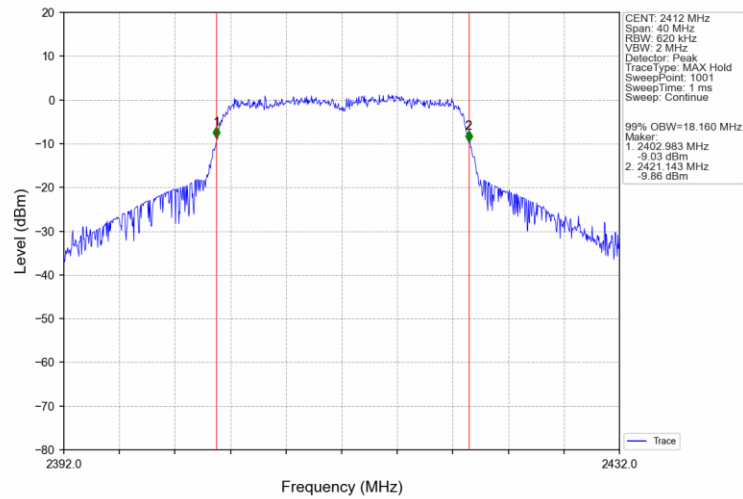
802.11g MCH 2437MHz Ant1 (SISO) NTN



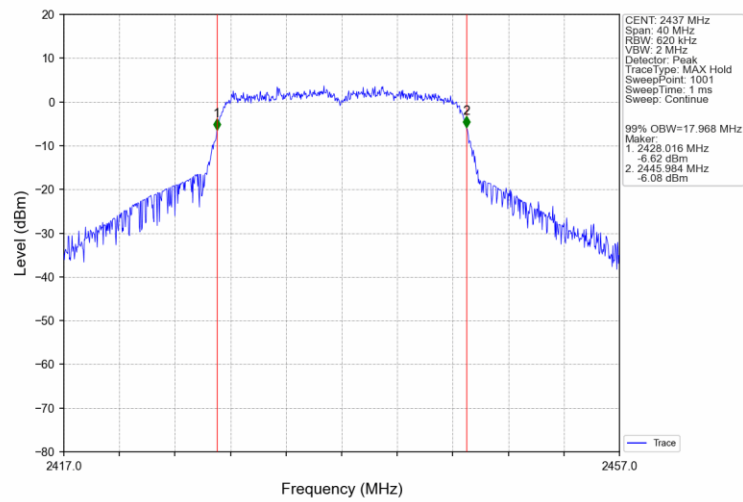
802.11g HCH 2462MHz Ant1 (SISO) NTN



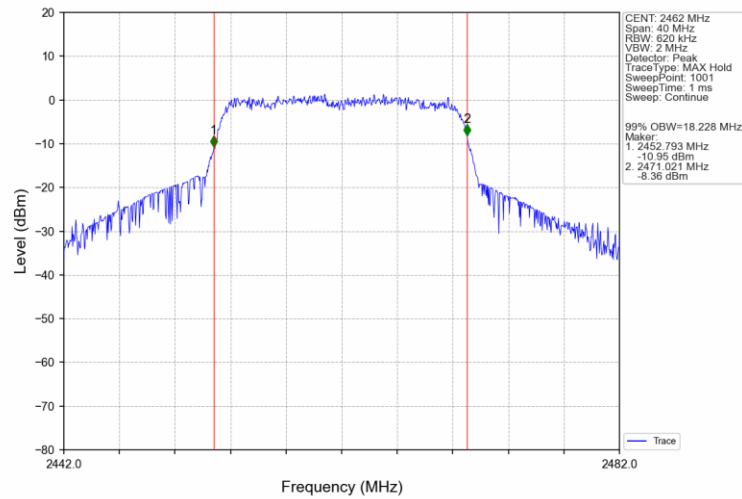
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



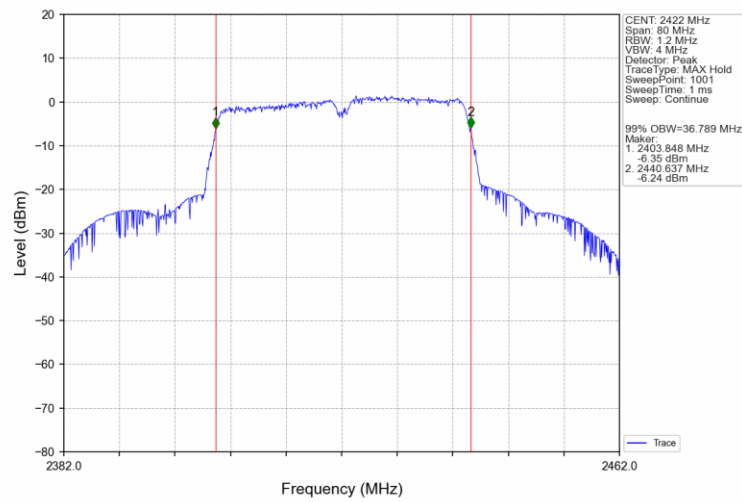
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



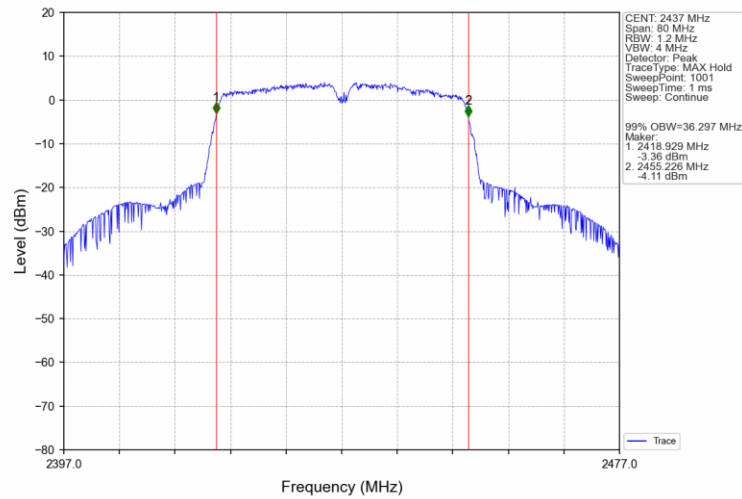
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



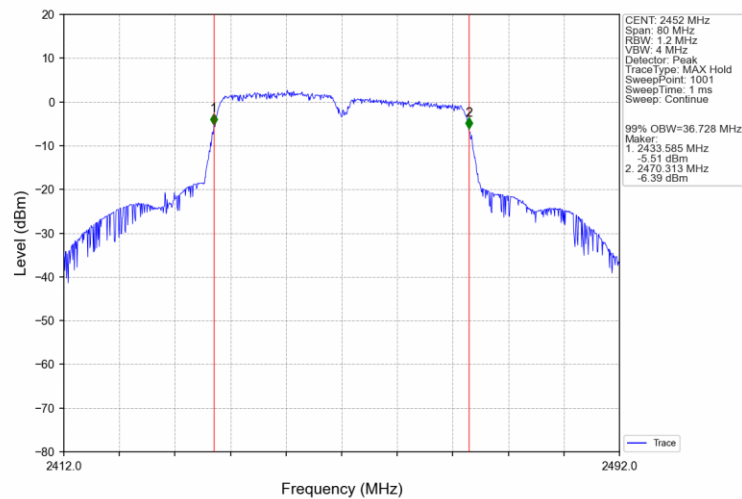
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNv

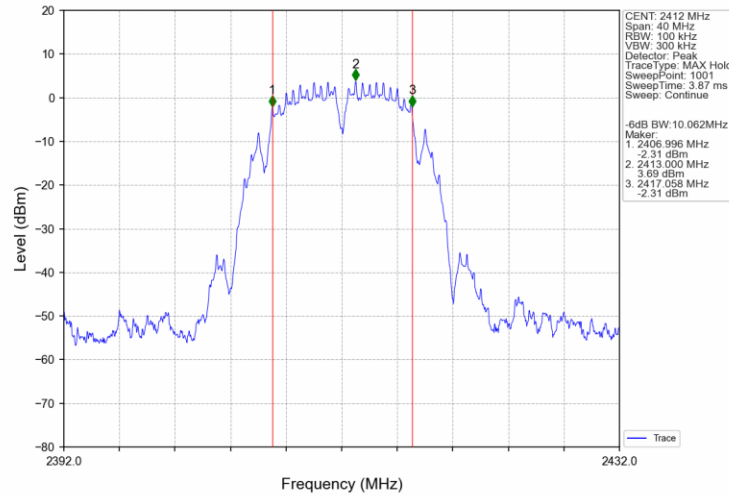


802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNv

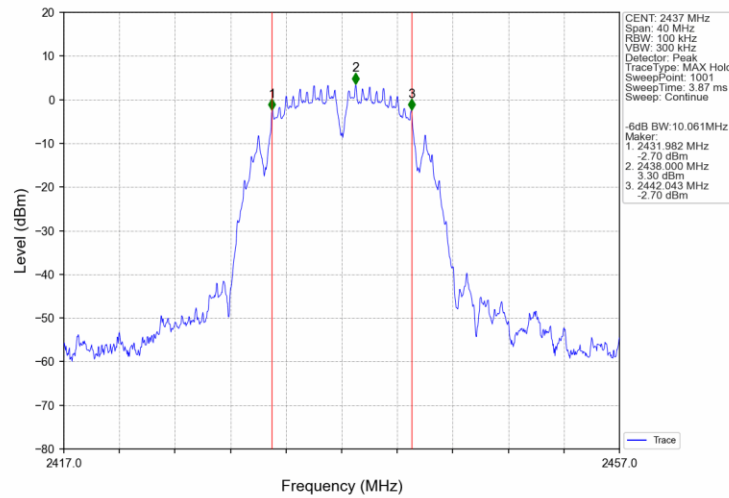


2.2.2 6dB BW

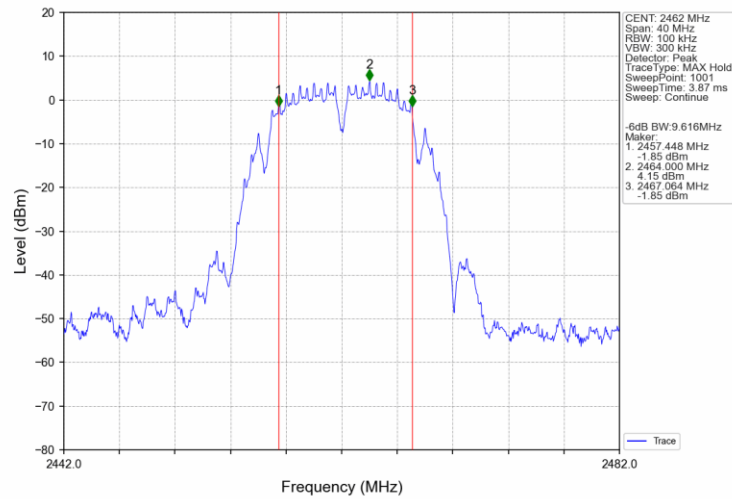
802.11b LCH 2412MHz_Ant1 (SISO)_NTNV



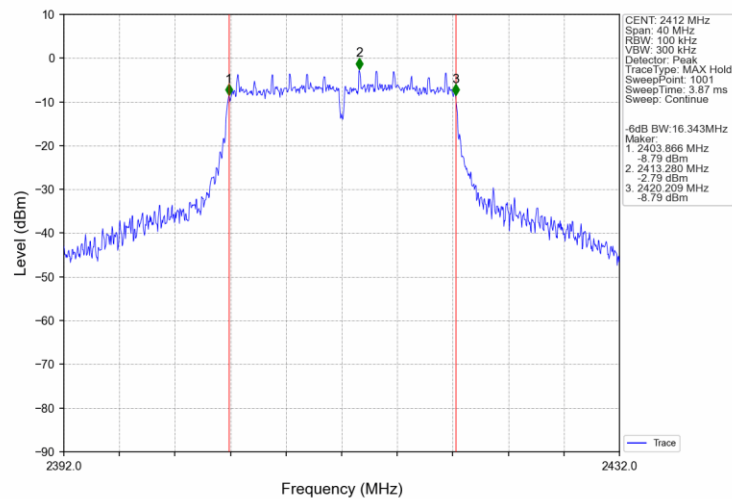
802.11b MCH 2437MHz_Ant1 (SISO)_NTNV



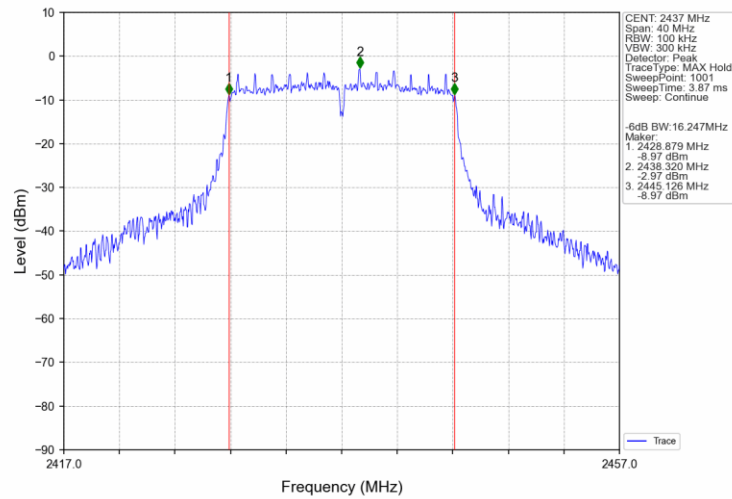
802.11b HCH 2462MHz_Ant1 (SISO) NTNv



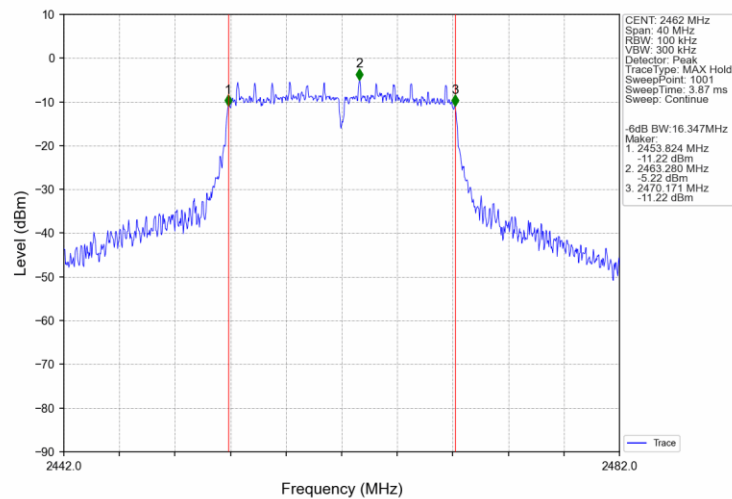
802.11g LCH 2412MHz_Ant1 (SISO) NTNv



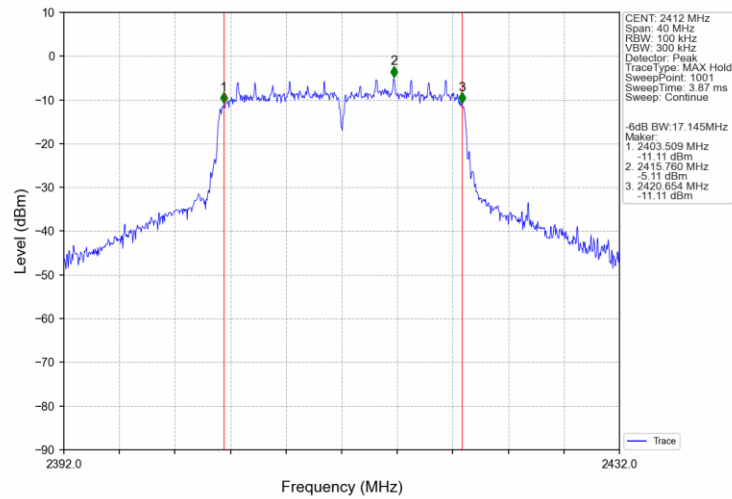
802.11g MCH 2437MHz_Ant1 (SISO) NTNv



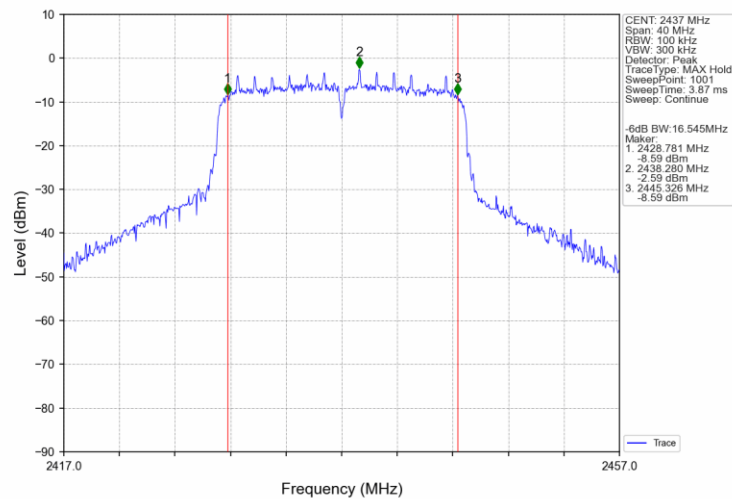
802.11g HCH 2462MHz_Ant1 (SISO) NTNv



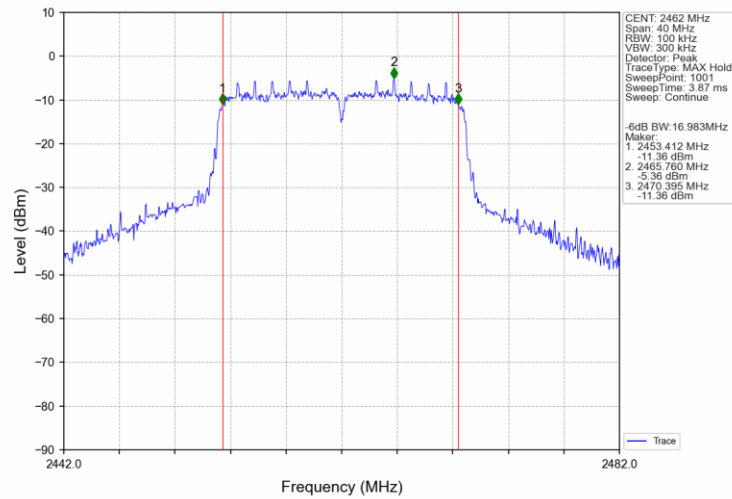
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



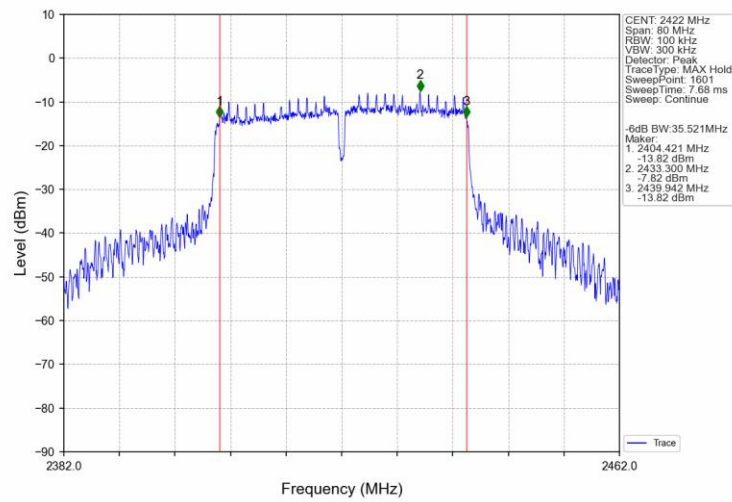
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



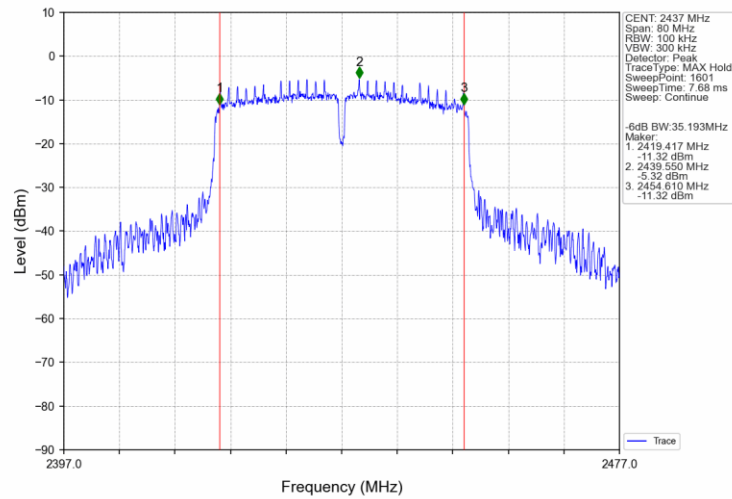
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



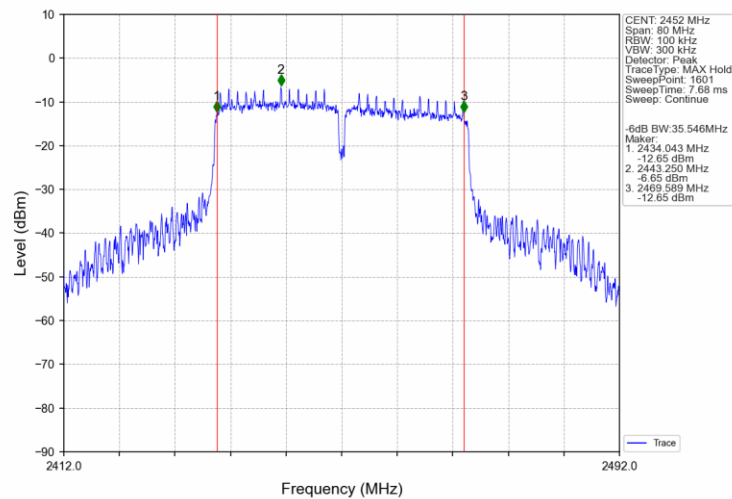
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



3. Maximum Conducted Output Power

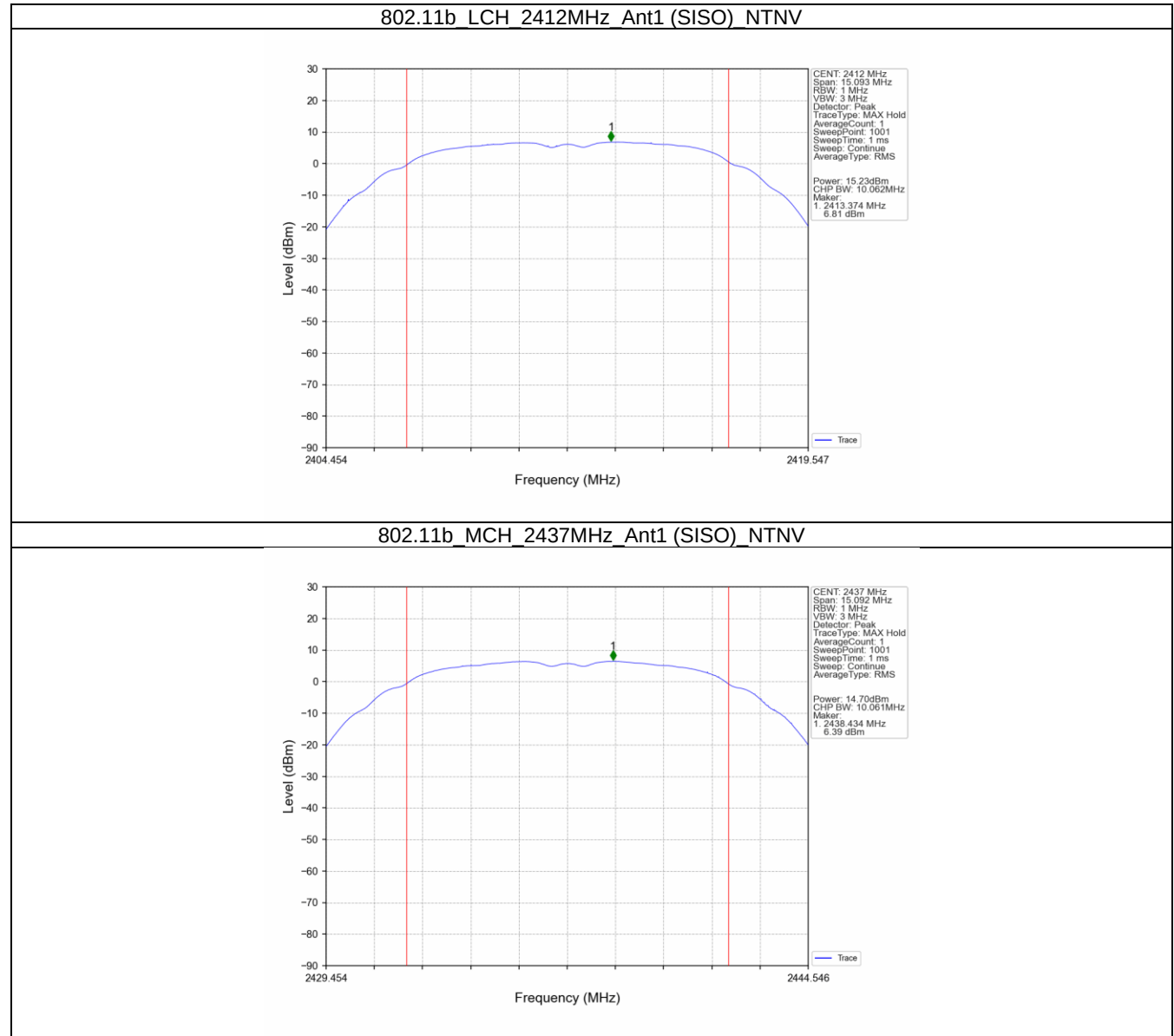
3.1 Test Result

3.1.1 Power

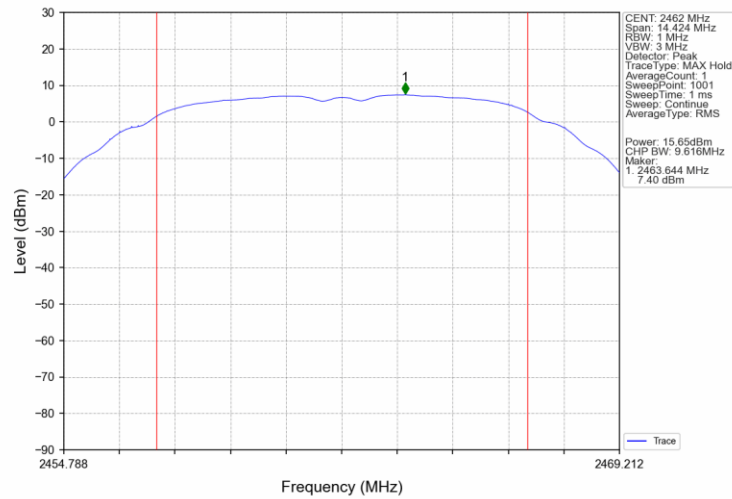
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	15.23	<=30	Pass
		2437	14.70	<=30	Pass
		2462	15.65	<=30	Pass
802.11g	SISO	2412	15.70	<=30	Pass
		2437	15.51	<=30	Pass
		2462	13.51	<=30	Pass
802.11n (HT20)	SISO	2412	13.82	<=30	Pass
		2437	15.73	<=30	Pass
		2462	13.80	<=30	Pass
802.11n (HT40)	SISO	2422	13.70	<=30	Pass
		2437	16.36	<=30	Pass
		2452	14.54	<=30	Pass

3.2 Test Graph

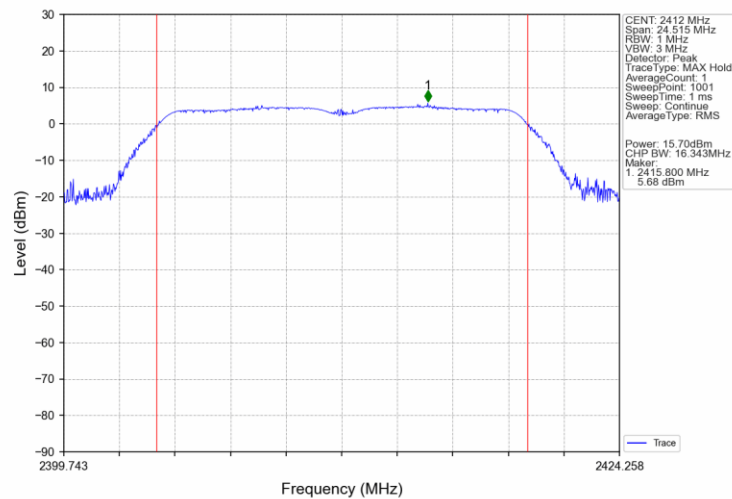
3.2.1 Power



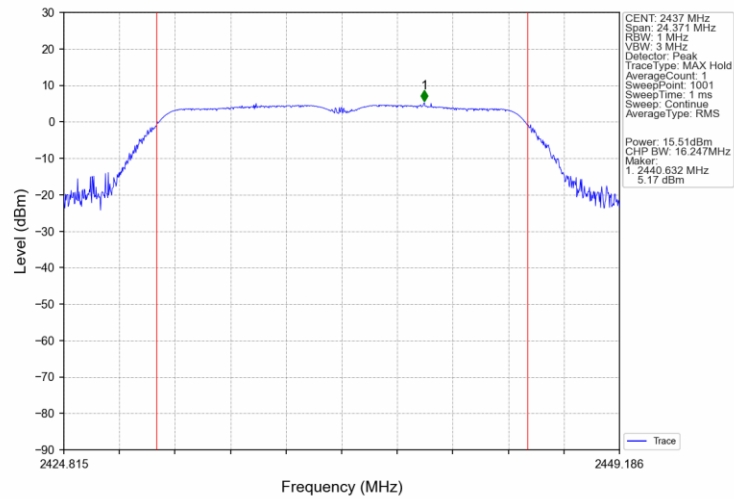
802.11b HCH 2462MHz_Ant1 (SISO) NTN



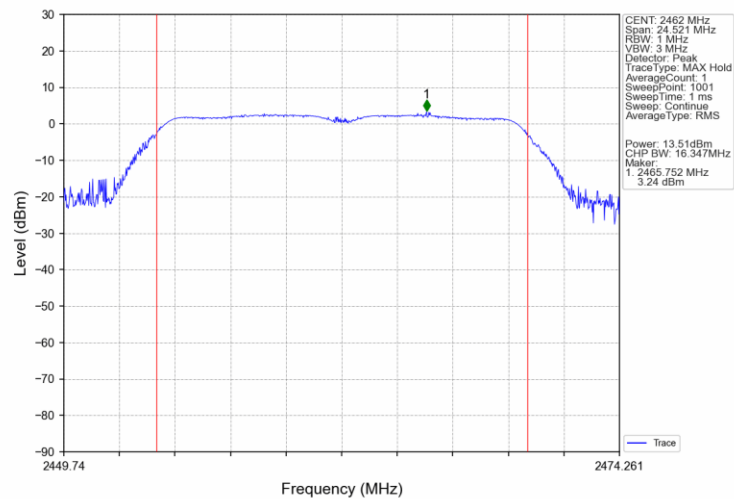
802.11g LCH 2412MHz_Ant1 (SISO) NTN



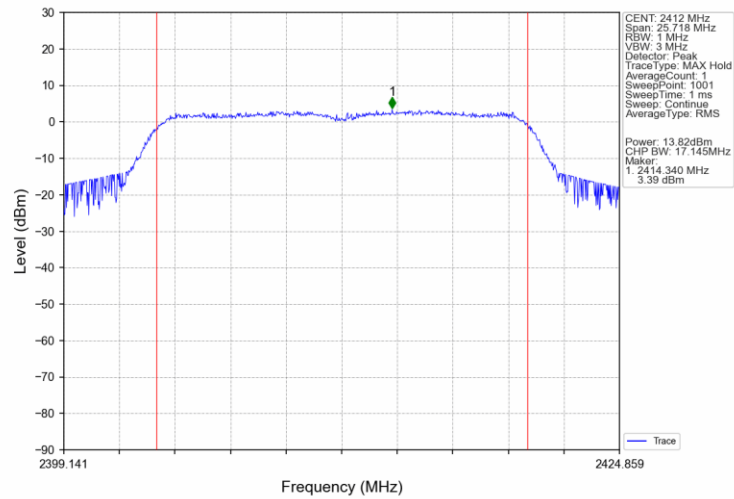
802.11g MCH 2437MHz Ant1 (SISO) NTNv



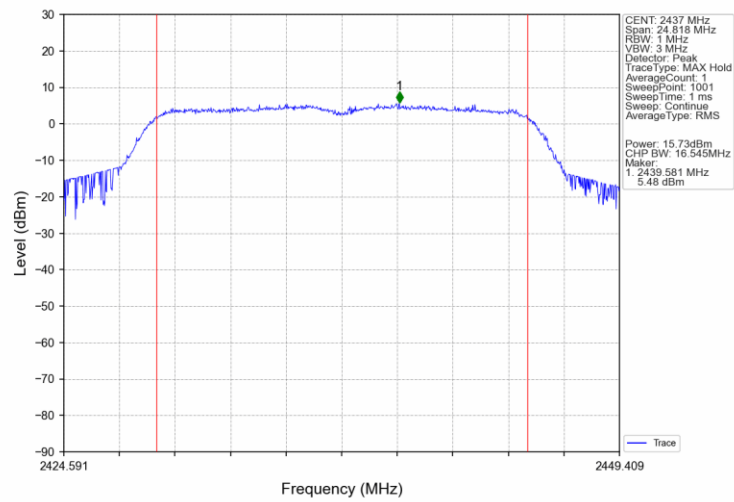
802.11g HCH 2462MHz Ant1 (SISO) NTNv



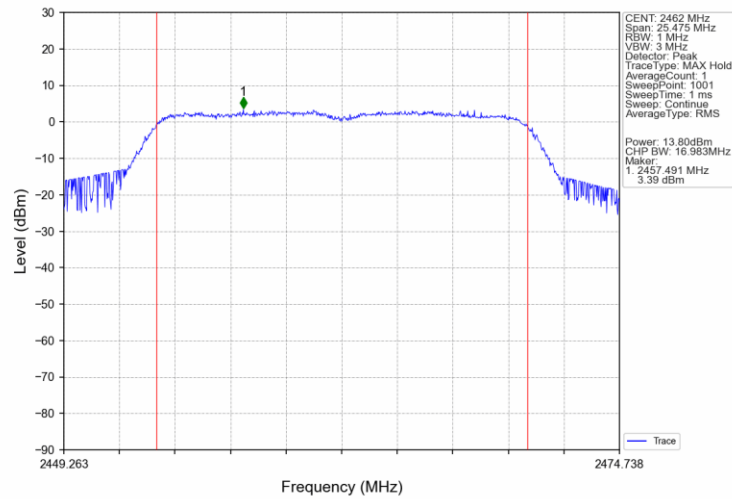
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



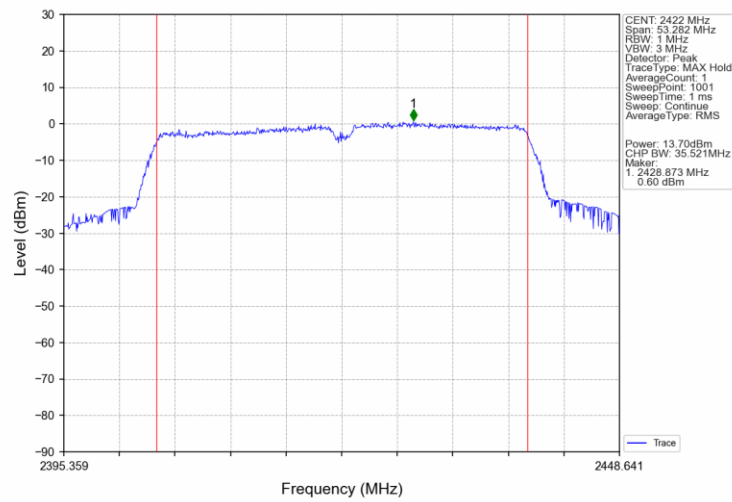
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



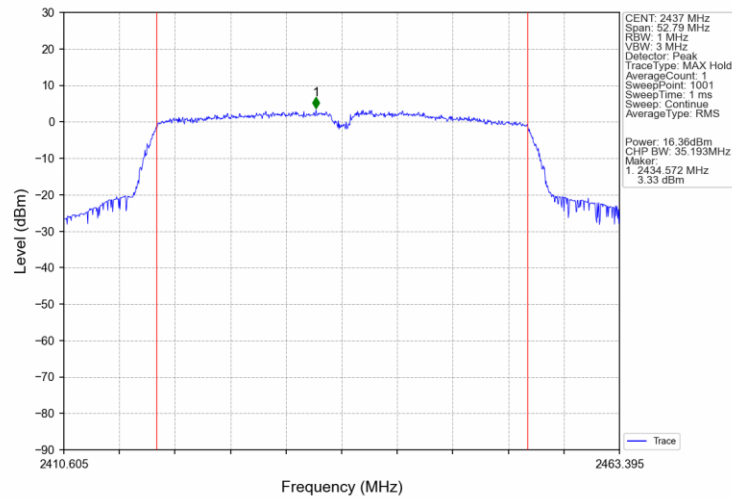
802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTNV



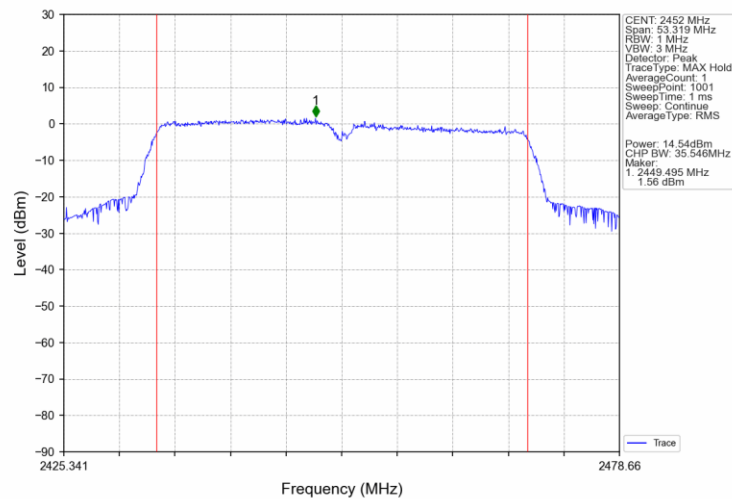
802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTN



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTN



4. Maximum Power Spectral Density

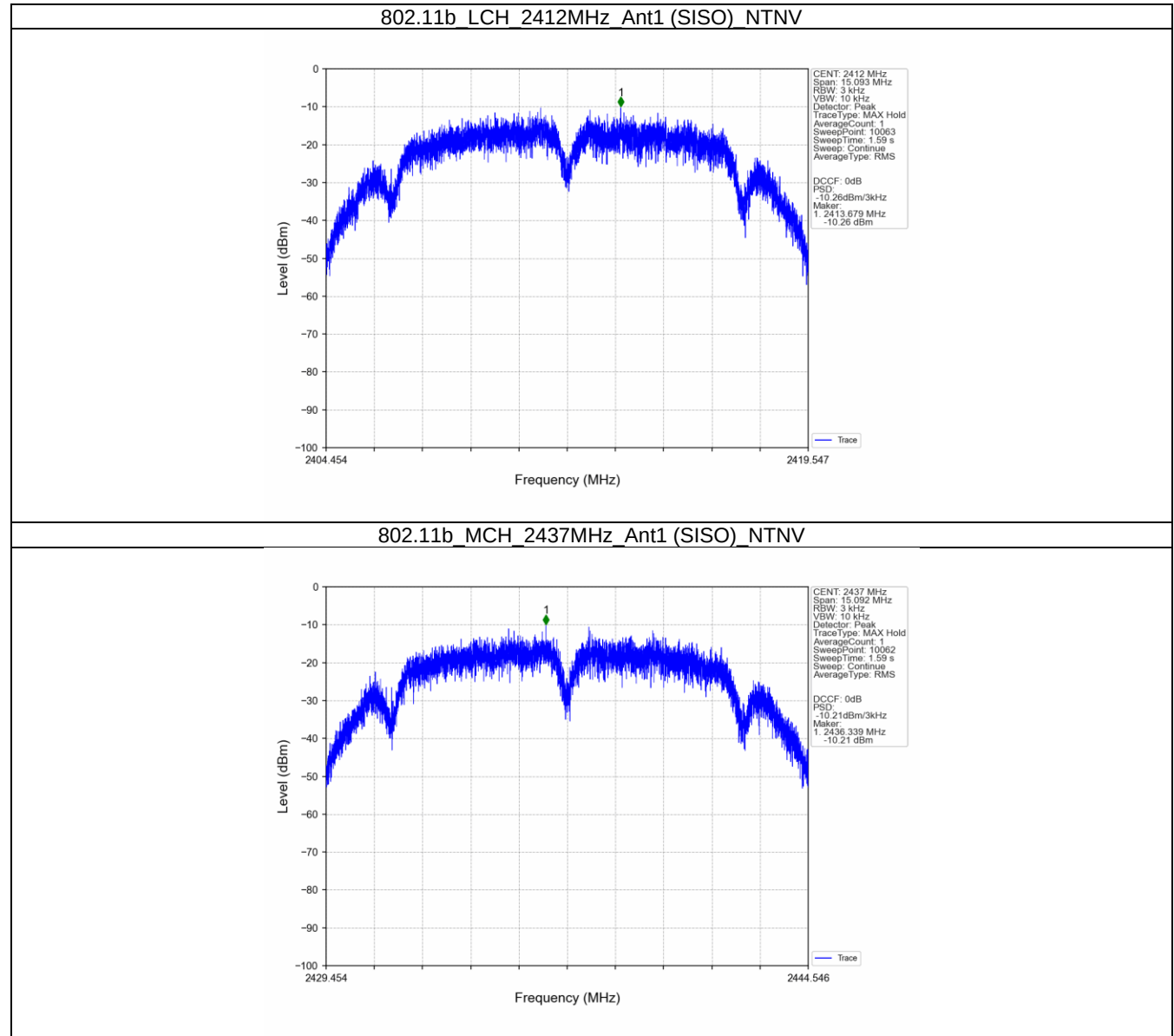
4.1 Test Result

4.1.1 PSD

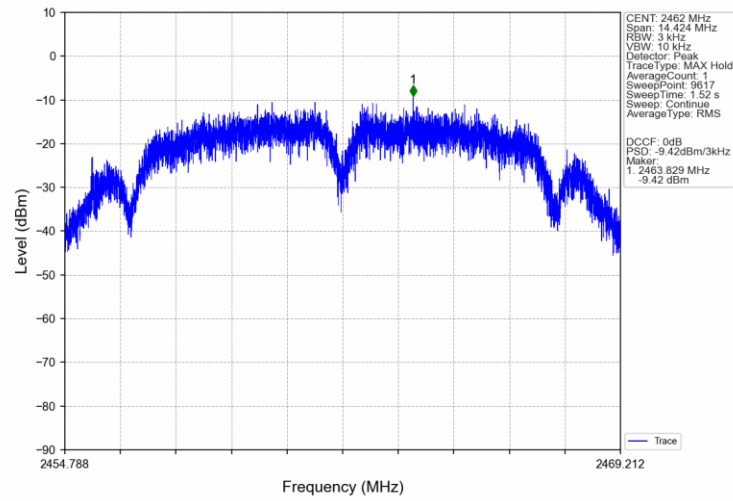
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-10.26	≤ 8	Pass
		2437	-10.21	≤ 8	Pass
		2462	-9.42	≤ 8	Pass
802.11g	SISO	2412	-18.08	≤ 8	Pass
		2437	-18.70	≤ 8	Pass
		2462	-20.60	≤ 8	Pass
802.11n (HT20)	SISO	2412	-20.93	≤ 8	Pass
		2437	-18.38	≤ 8	Pass
		2462	-19.85	≤ 8	Pass
802.11n (HT40)	SISO	2422	-23.34	≤ 8	Pass
		2437	-20.34	≤ 8	Pass
		2452	-21.82	≤ 8	Pass

4.2 Test Graph

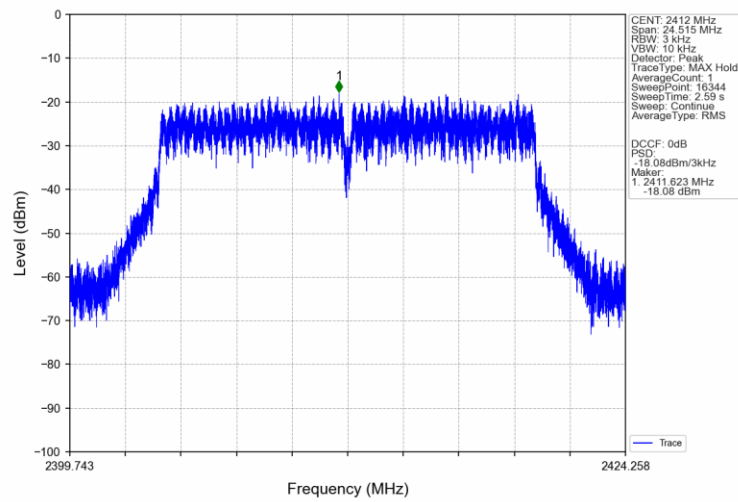
4.2.1 PSD



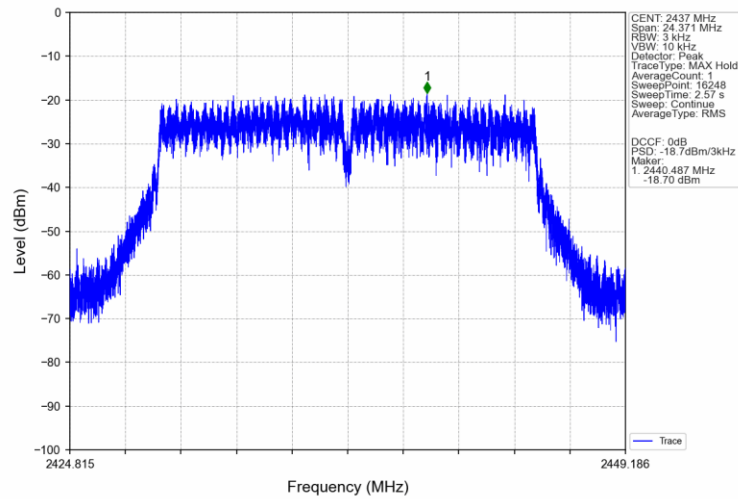
802.11b HCH 2462MHz_Ant1 (SISO) NTNv



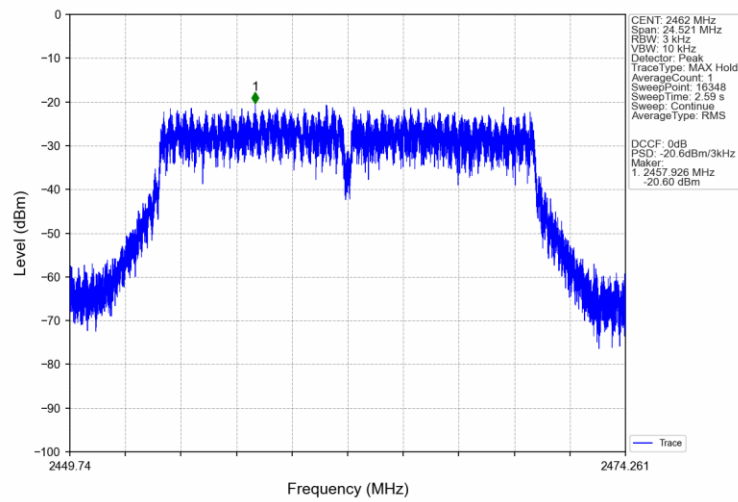
802.11g LCH 2412MHz_Ant1 (SISO) NTNv



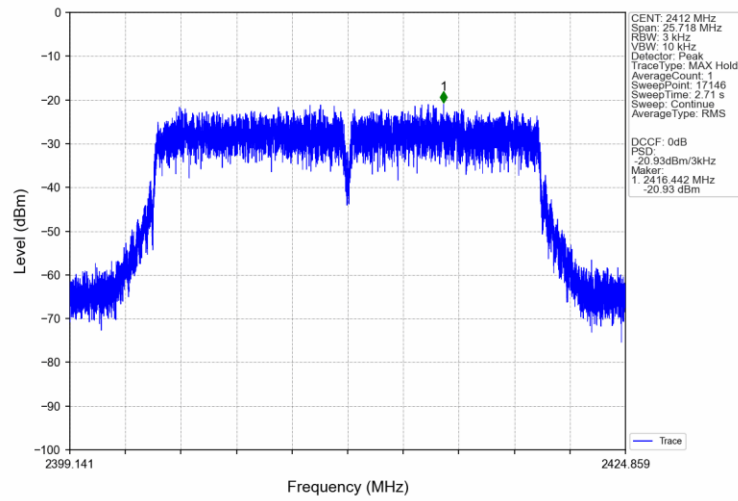
802.11g MCH 2437MHz_Ant1 (SISO) NTNv



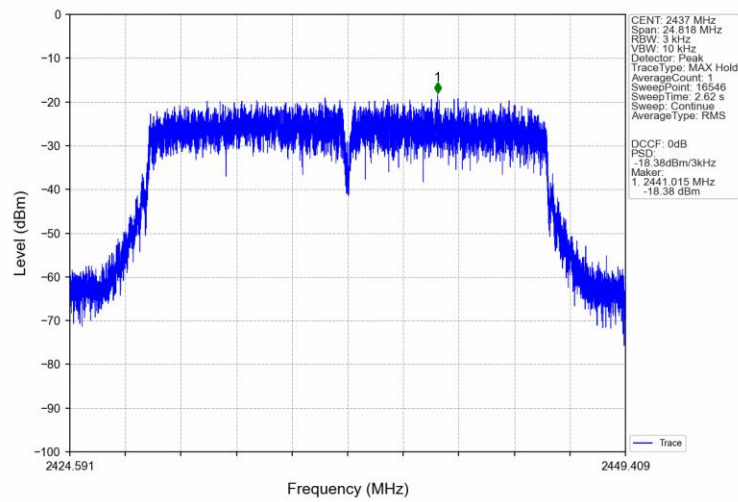
802.11g HCH 2462MHz_Ant1 (SISO) NTNv



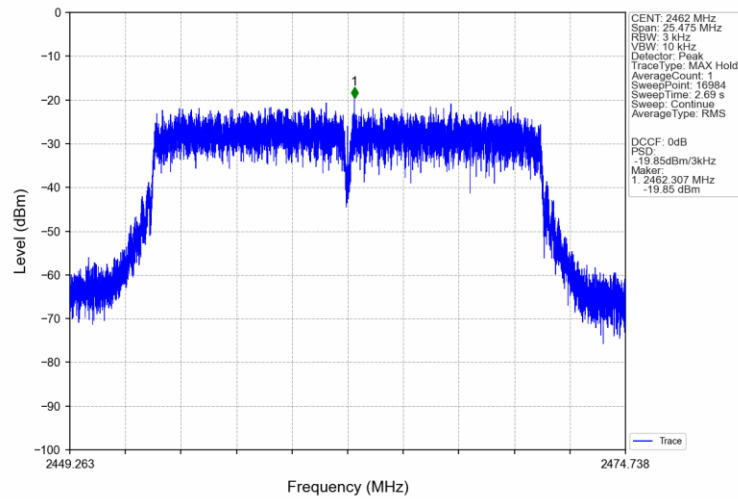
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



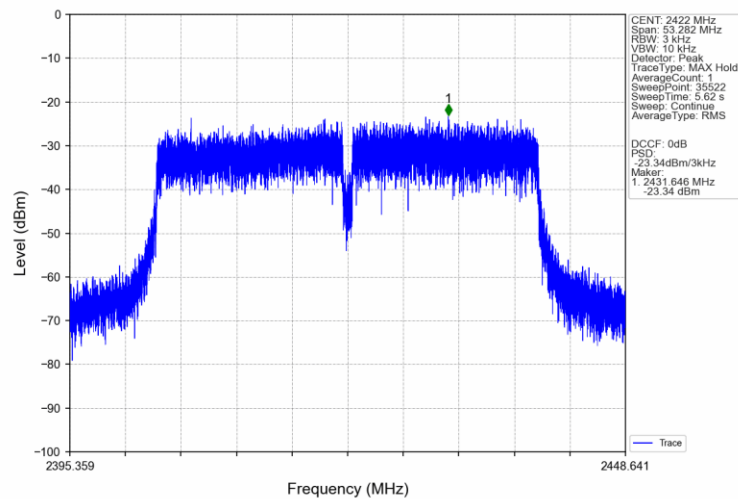
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



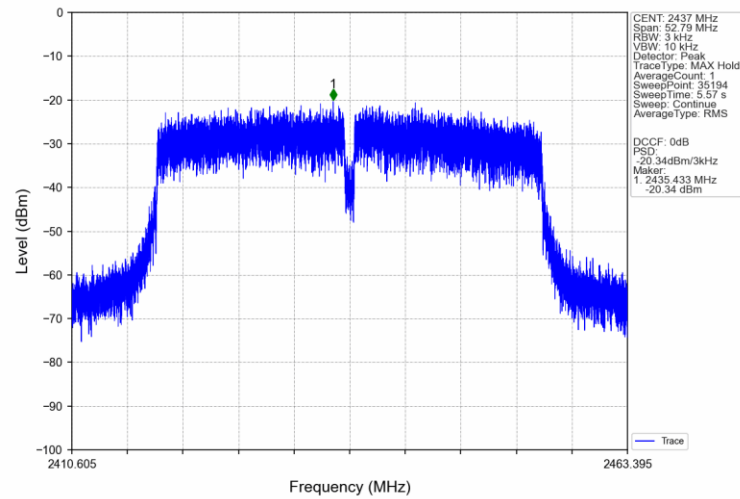
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



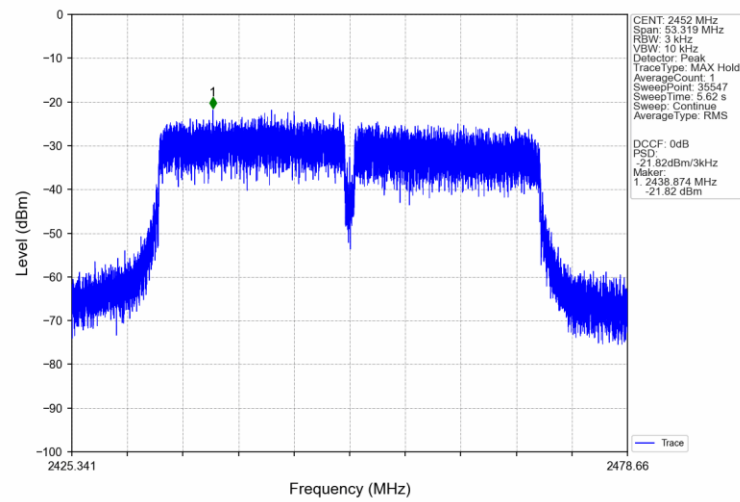
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTN



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTN



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.74
		2437	1	3.28
		2462	1	4.30
802.11g	SISO	2412	1	-2.97
		2437	1	-2.65
		2462	1	-5.28
802.11n (HT20)	SISO	2412	1	-5.11
		2437	1	-2.81
		2462	1	-5.24
802.11n (HT40)	SISO	2422	1	-7.81
		2437	1	-5.09
		2452	1	-6.53

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.

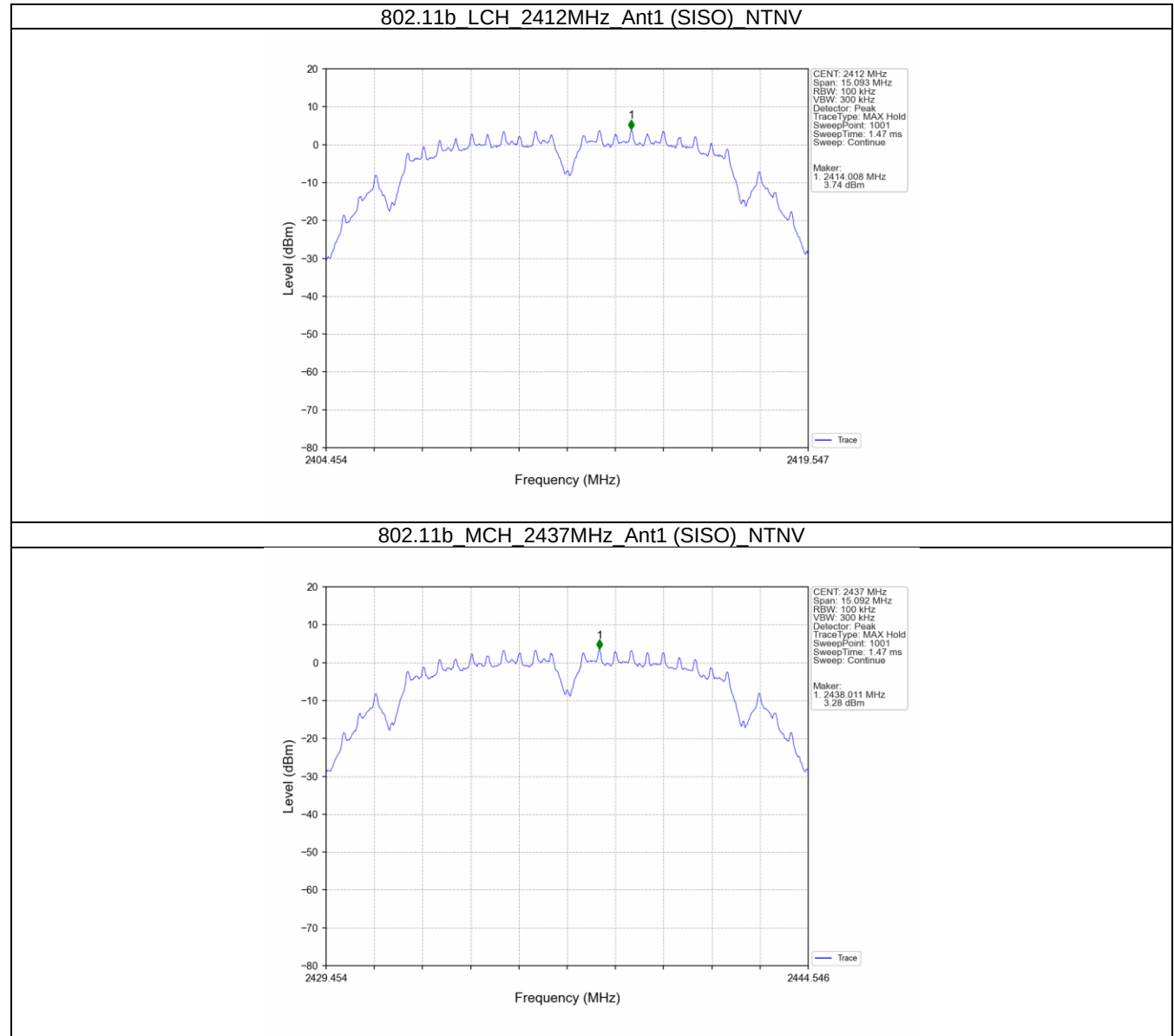
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.74	-16.26	Pass
		2437	1	3.28	-16.72	Pass
		2462	1	4.30	-15.70	Pass
802.11g	SISO	2412	1	-2.97	-22.97	Pass
		2437	1	-2.65	-22.65	Pass
		2462	1	-5.28	-25.28	Pass
802.11n (HT20)	SISO	2412	1	-5.11	-25.11	Pass
		2437	1	-2.81	-22.81	Pass
		2462	1	-5.24	-25.24	Pass
802.11n (HT40)	SISO	2422	1	-7.81	-27.81	Pass
		2437	1	-5.09	-25.09	Pass
		2452	1	-6.53	-26.53	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.

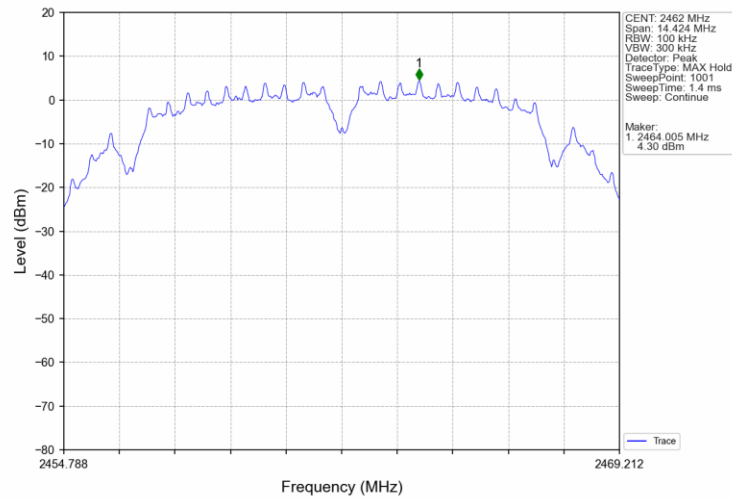
5.2 Test Graph

5.2.1 Ref

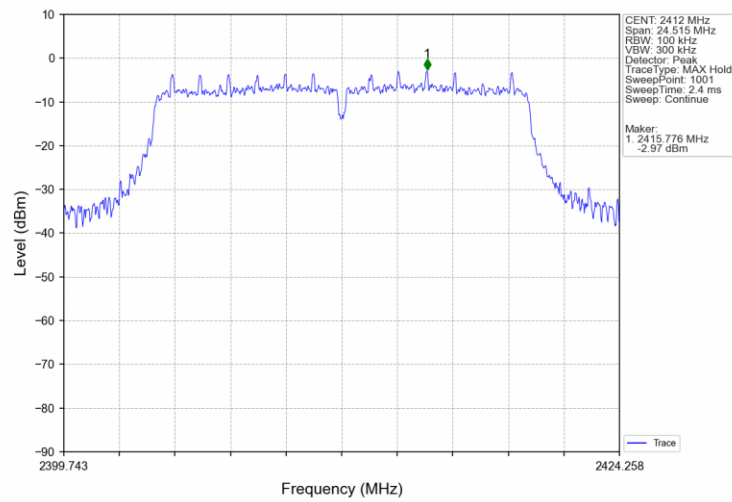




802.11b HCH 2462MHz Ant1 (SISO) NTN

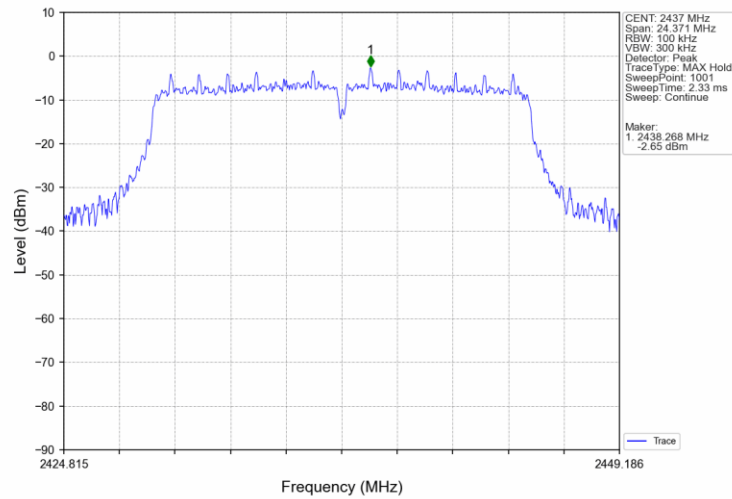


802.11g LCH 2412MHz Ant1 (SISO) NTN

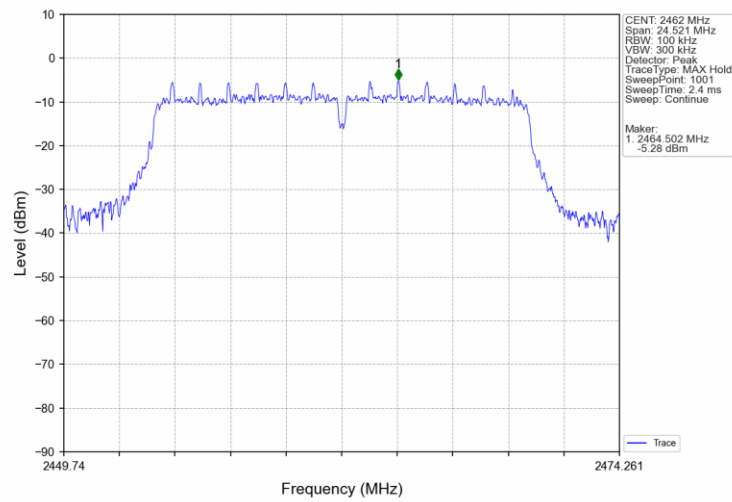




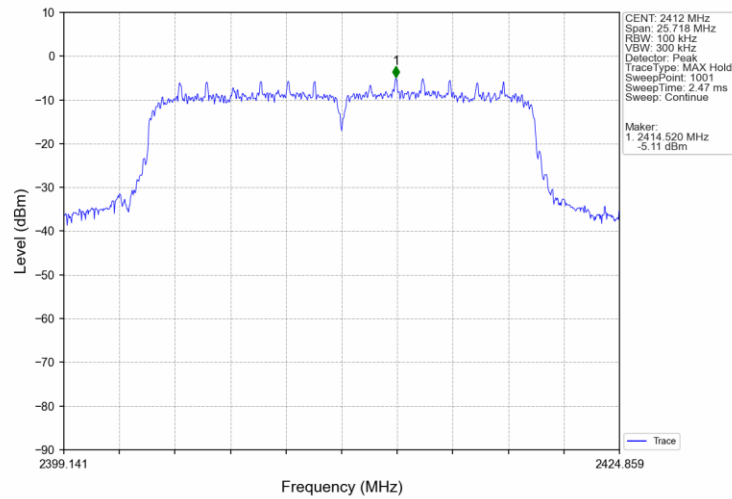
802.11g MCH 2437MHz Ant1 (SISO) NTN



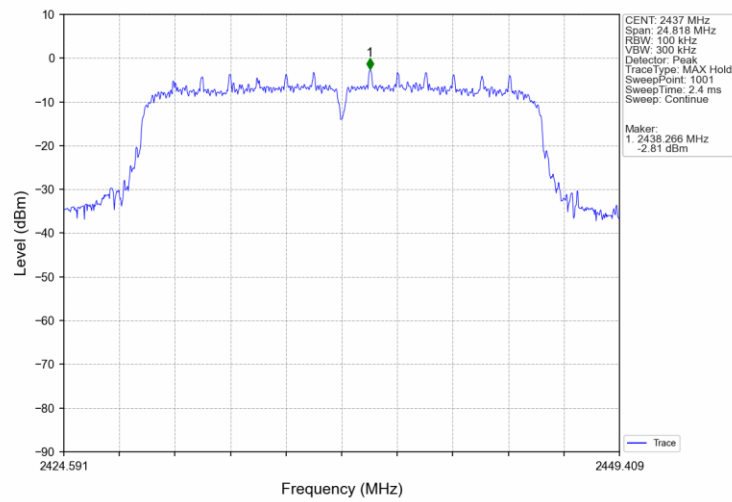
802.11g HCH 2462MHz Ant1 (SISO) NTN



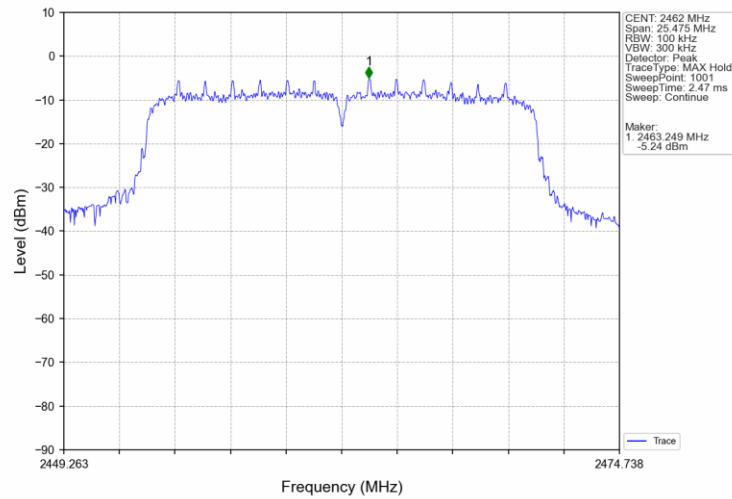
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



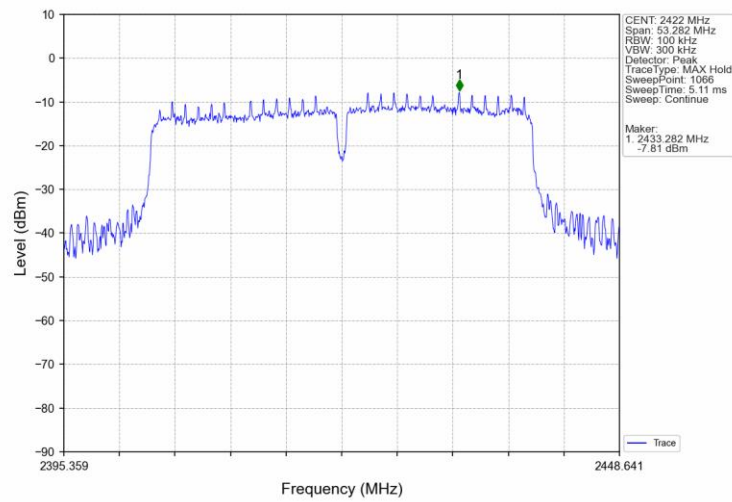
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



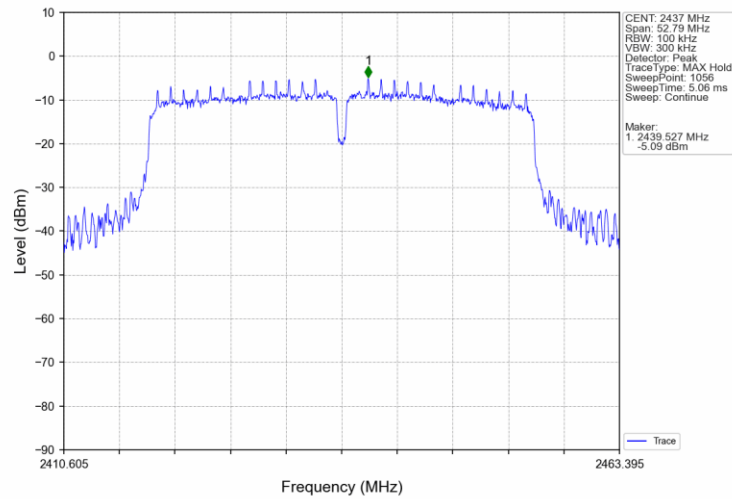
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV

