

1. Duty Cycle

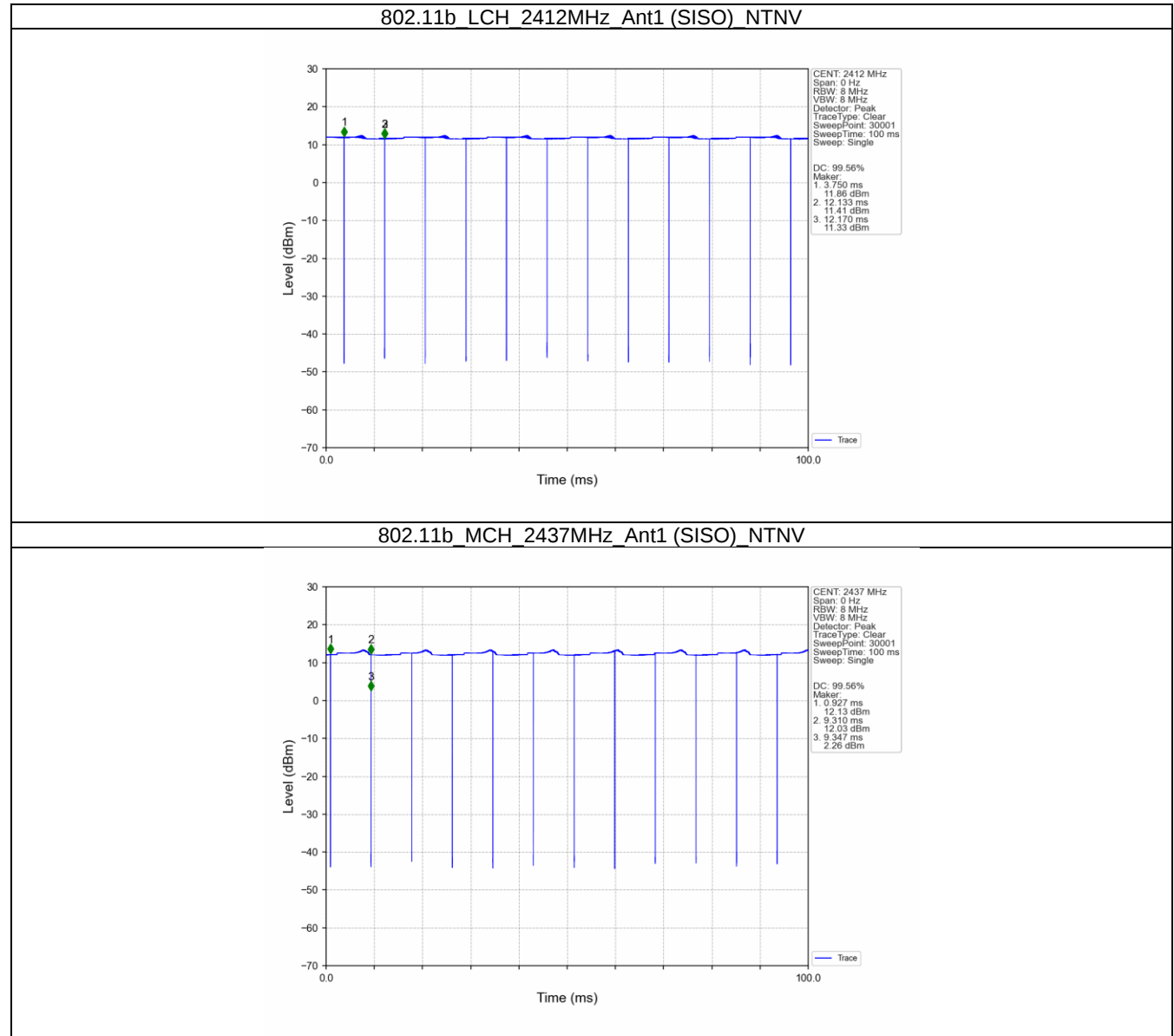
1.1 Test Result

1.1.1 Ant1

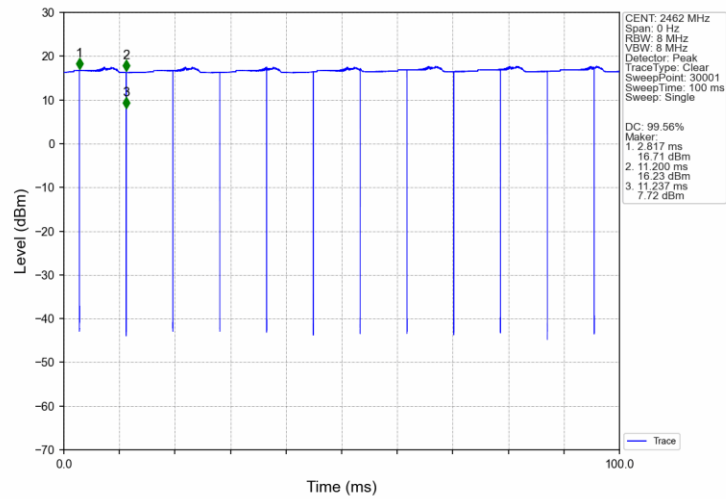
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.383	8.420	99.56	0.02	0.04
		2437	8.383	8.420	99.56	0.02	0.04
		2462	8.383	8.420	99.56	0.02	0.04
802.11g	SISO	2412	8.383	8.420	99.56	0.02	0.04
		2437	8.383	8.420	99.56	0.02	0.00
		2462	8.383	8.420	99.56	0.02	0.04
802.11n (HT20)	SISO	2412	1.289	1.332	96.77	0.14	0.04
		2437	1.289	1.332	96.77	0.14	0.04
		2462	1.291	1.333	96.85	0.14	0.03
802.11n (HT40)	SISO	2422	0.637	0.680	93.68	0.28	0.03
		2437	0.637	0.680	93.68	0.28	0.03
		2452	0.637	0.680	93.68	0.28	0.03
802.11n (HT20)	MIMO	2412	1.290	1.333	96.77	0.14	0.04
		2437	1.289	1.333	96.70	0.15	0.10
		2462	1.302	1.345	96.80	0.14	0.03
802.11n (HT40)	MIMO	2422	0.650	0.692	93.93	0.27	0.03
		2437	0.649	0.692	93.79	0.28	0.03
		2452	0.649	0.692	93.79	0.28	0.00

1.2 Test Graph

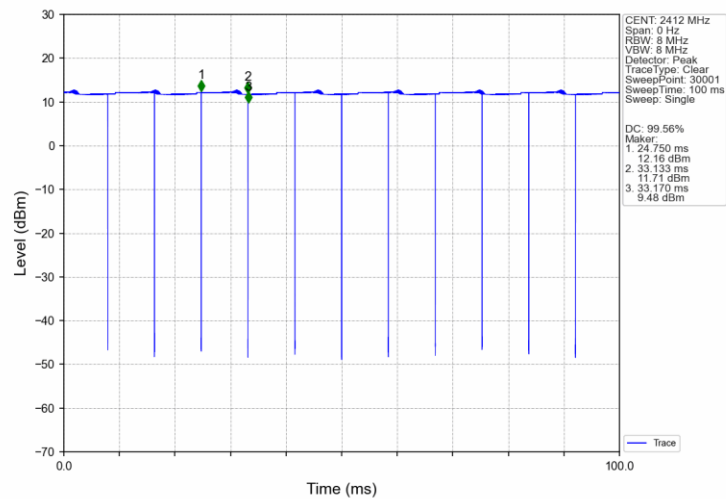
1.2.1 Ant1



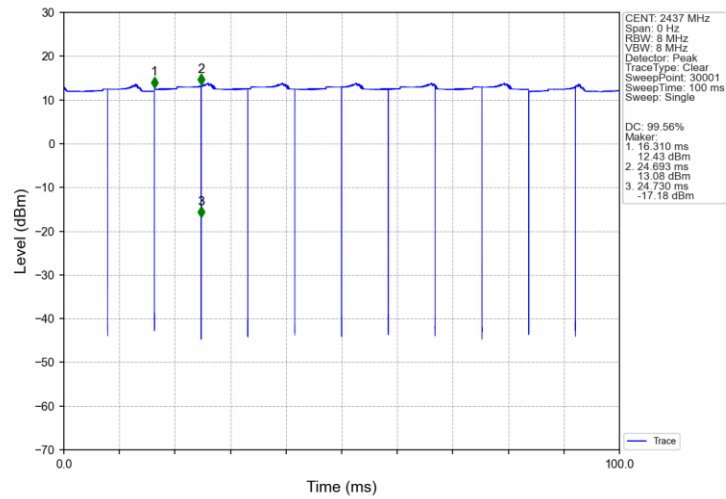
802.11b HCH 2462MHz_Ant1 (SISO) NTN



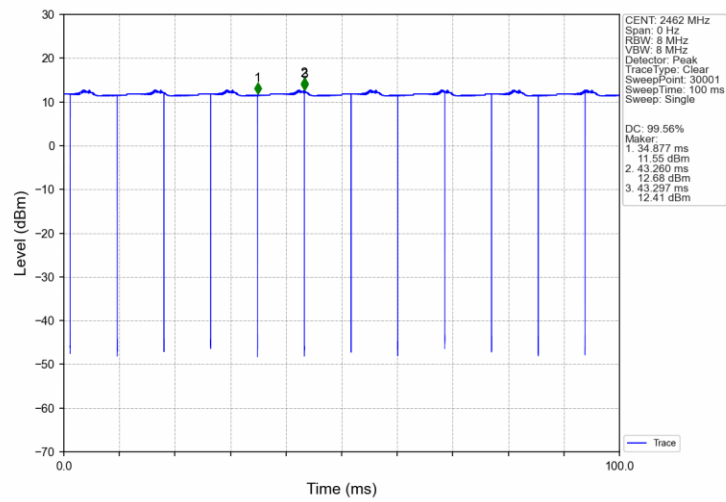
802.11g LCH 2412MHz_Ant1 (SISO) NTN



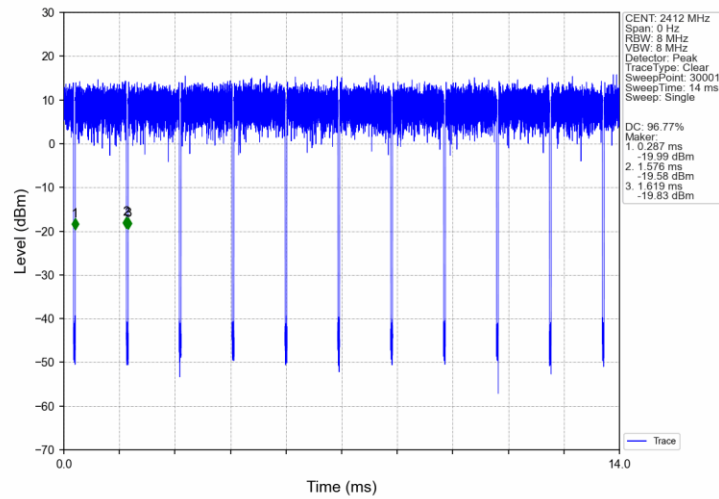
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



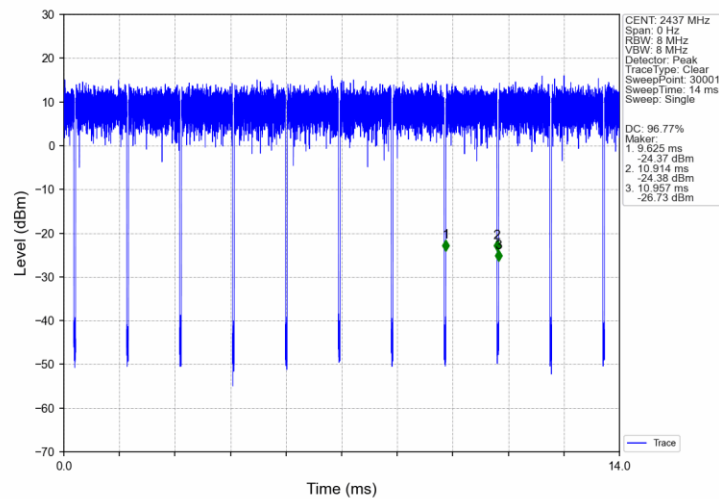
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



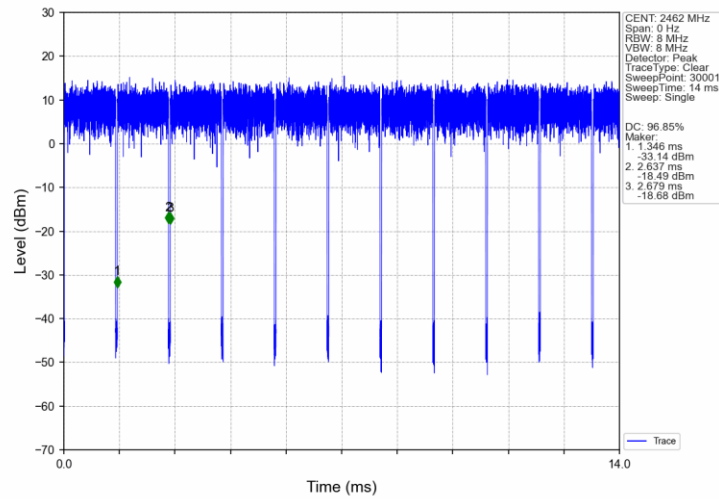
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



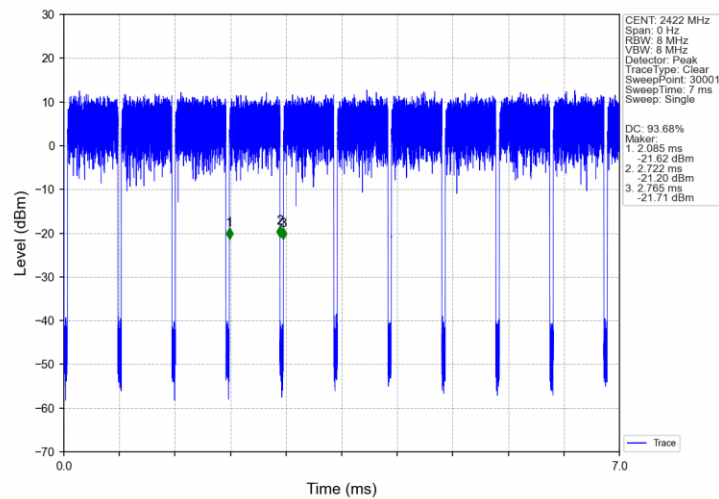
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



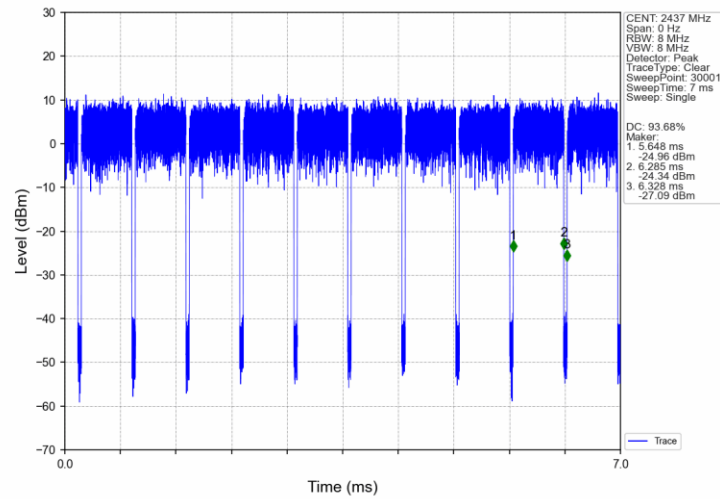
802.11n(HT20) HCH_2462MHz_Ant1 (SISO)_NTNV



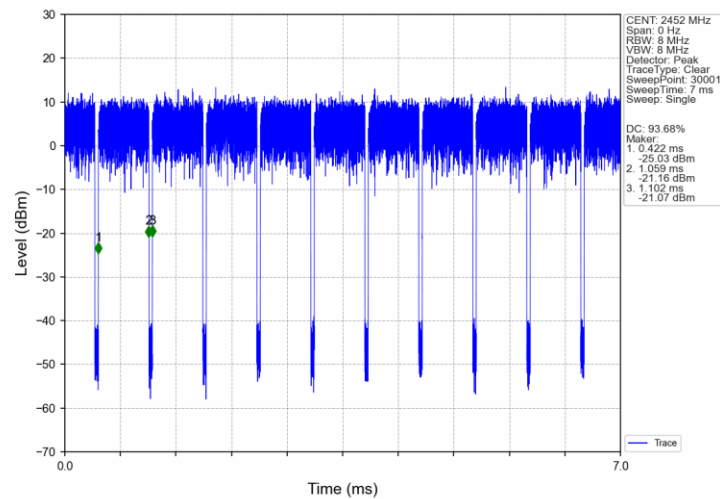
802.11n(HT40) LCH_2422MHz_Ant1 (SISO)_NTNV



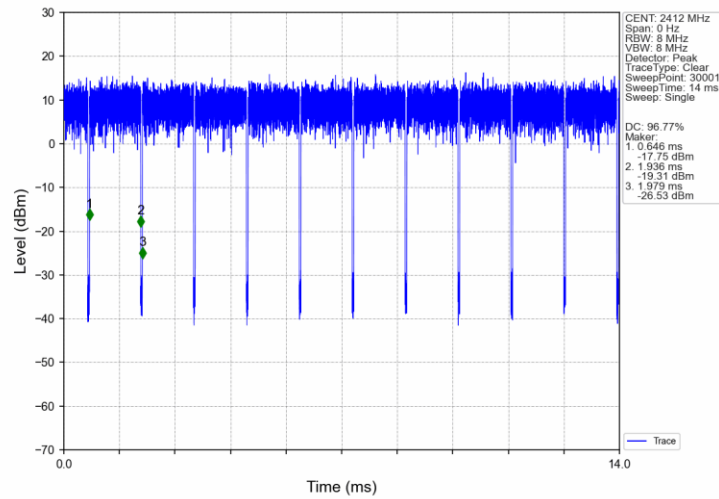
802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNV



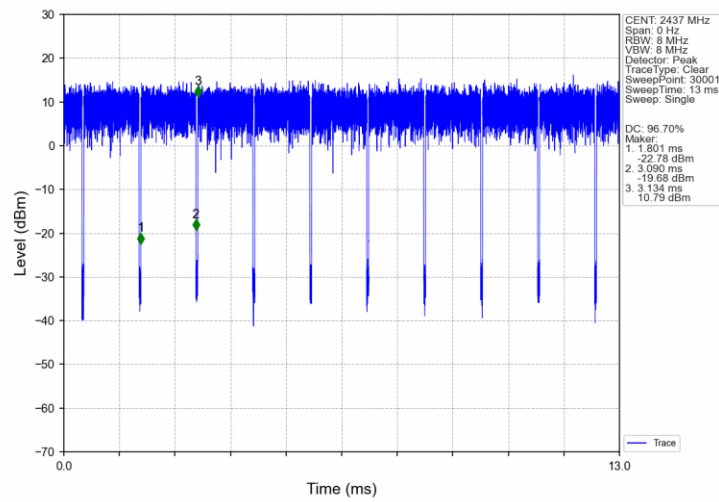
802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNV



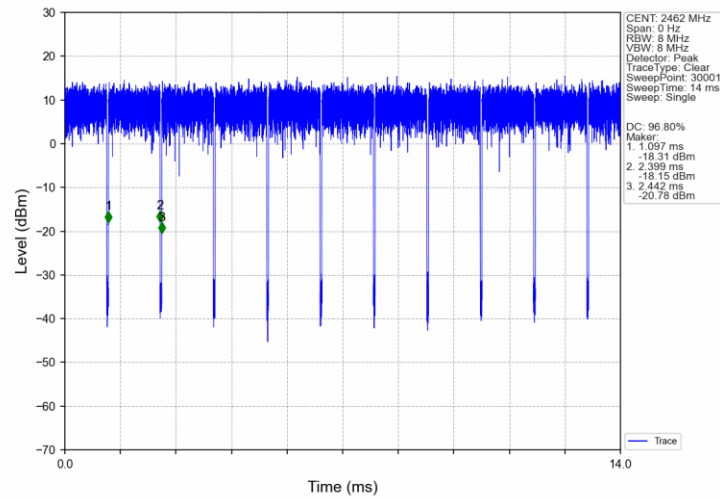
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



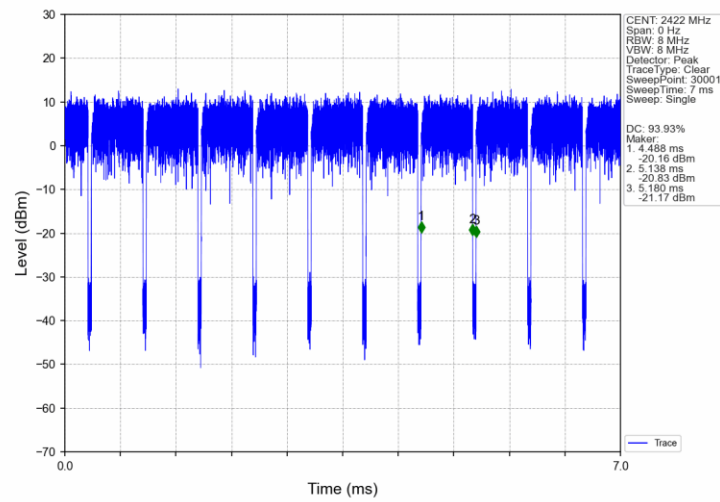
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



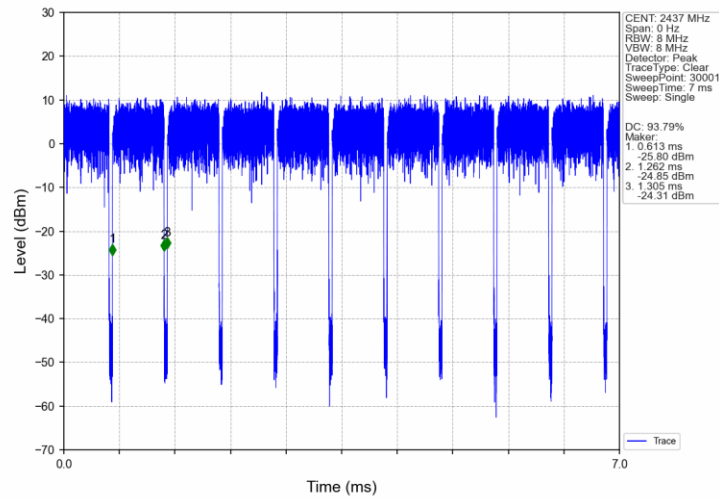
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTNv



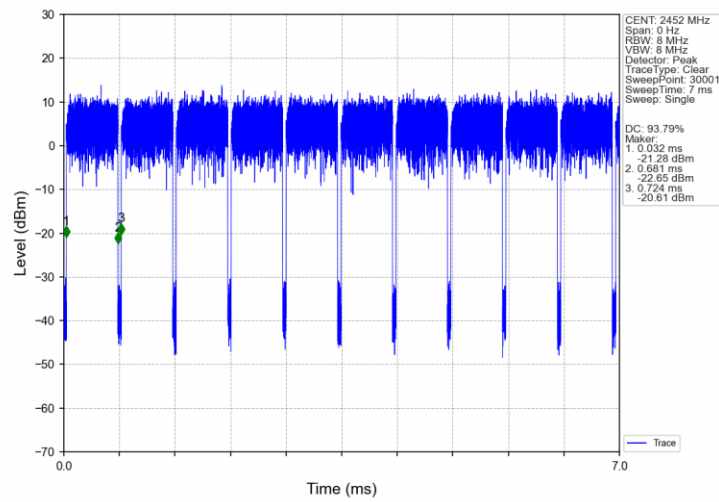
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTNv



802.11n(HT40) MCH 2437MHz_Ant1 (MIMO) NTNv



802.11n(HT40) HCH 2452MHz_Ant1 (MIMO) NTNv



2. Bandwidth

2.1 Test Result

2.1.1 OBW

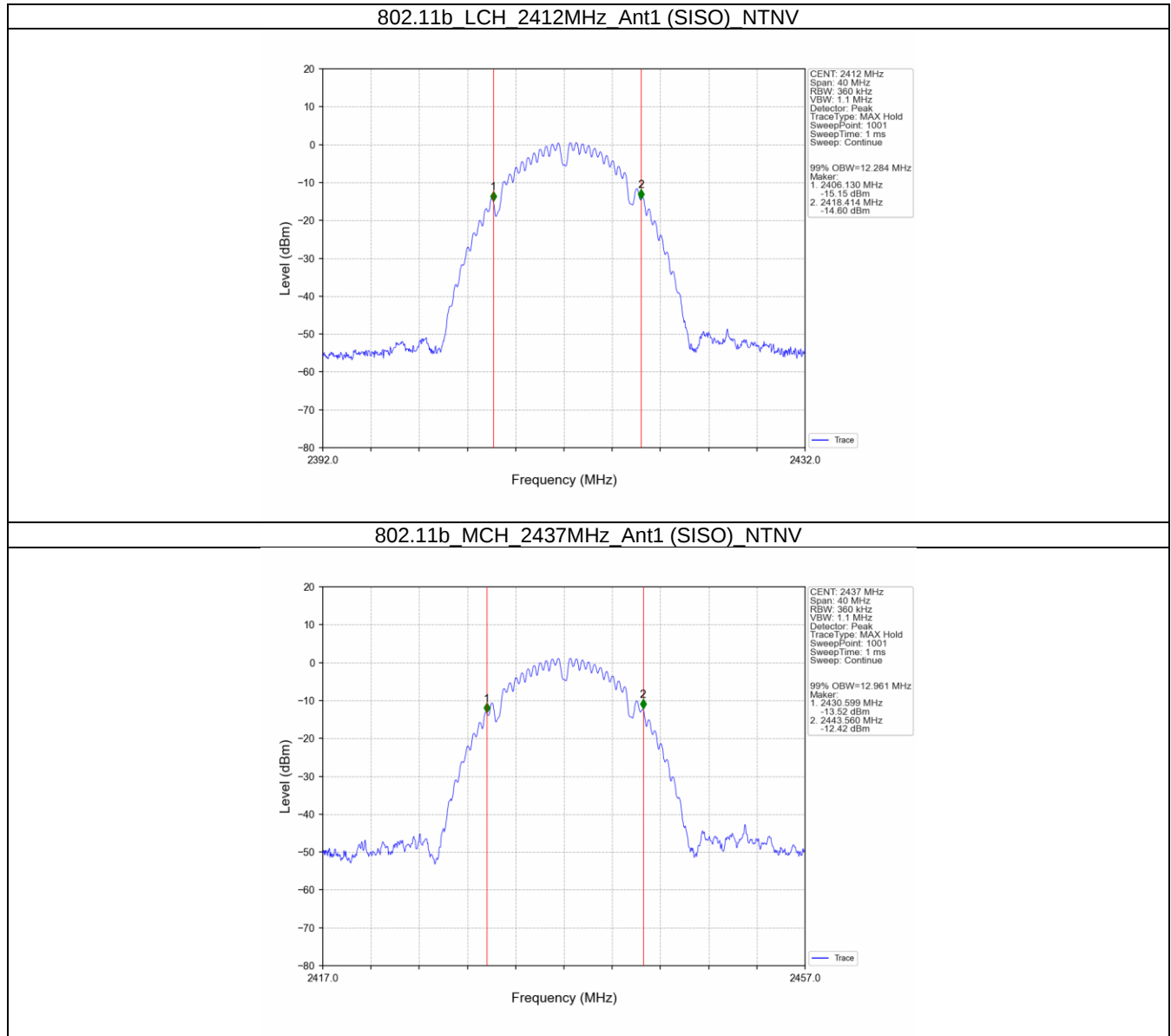
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.284	/	Pass
		2437	1	12.961	/	Pass
		2462	1	12.624	/	Pass
802.11g	SISO	2412	1	12.259	/	Pass
		2437	1	12.948	/	Pass
		2462	1	12.293	/	Pass
802.11n (HT20)	SISO	2412	1	17.833	/	Pass
		2437	1	18.417	/	Pass
		2462	1	17.876	/	Pass
802.11n (HT40)	SISO	2422	1	35.929	/	Pass
		2437	1	37.589	/	Pass
		2452	1	35.797	/	Pass
802.11n (HT20)	MIMO	2412	1	17.826	/	Pass
		2437	1	18.430	/	Pass
		2462	1	17.876	/	Pass
802.11n (HT40)	MIMO	2422	1	36.104	/	Pass
		2437	1	37.654	/	Pass
		2452	1	35.757	/	Pass

2.1.2 6dB BW

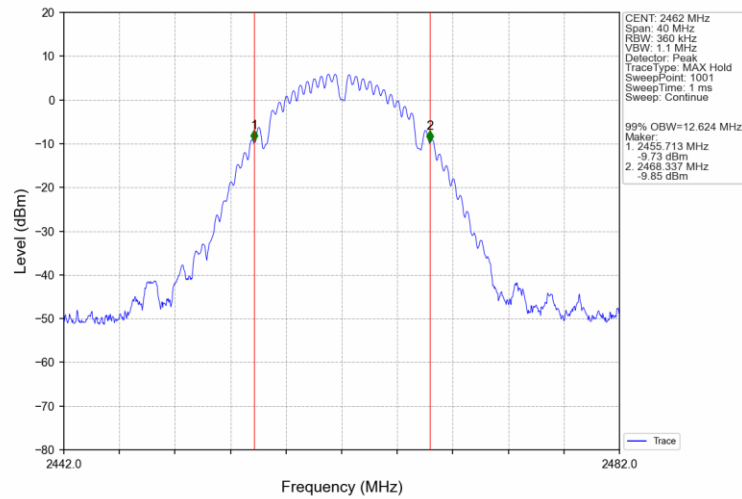
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	7.617	≥ 0.5	Pass
		2437	1	8.565	≥ 0.5	Pass
		2462	1	7.620	≥ 0.5	Pass
802.11g	SISO	2412	1	7.594	≥ 0.5	Pass
		2437	1	8.568	≥ 0.5	Pass
		2462	1	7.605	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	13.885	≥ 0.5	Pass
		2437	1	16.127	≥ 0.5	Pass
		2462	1	15.101	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	28.816	≥ 0.5	Pass
		2437	1	36.375	≥ 0.5	Pass
		2452	1	25.119	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	1	13.887	≥ 0.5	Pass
		2437	1	16.312	≥ 0.5	Pass
		2462	1	15.097	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	1	31.275	≥ 0.5	Pass
		2437	1	36.362	≥ 0.5	Pass
		2452	1	25.111	≥ 0.5	Pass

2.2 Test Graph

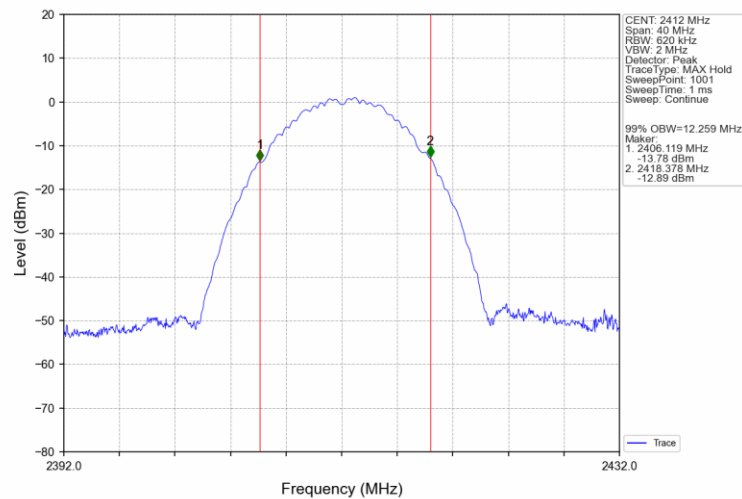
2.2.1 OBW



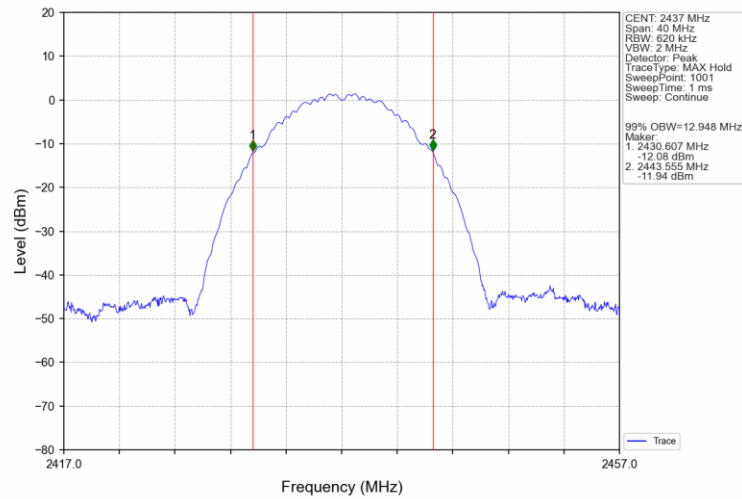
802.11b HCH 2462MHz_Ant1 (SISO) NTN



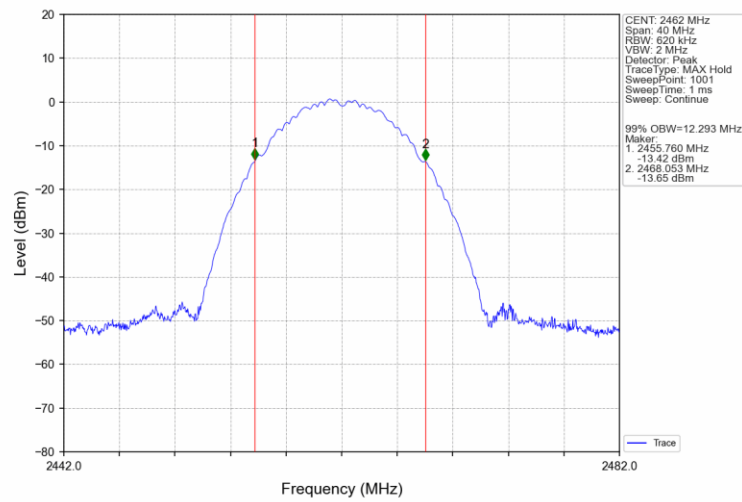
802.11g LCH 2412MHz_Ant1 (SISO) NTN



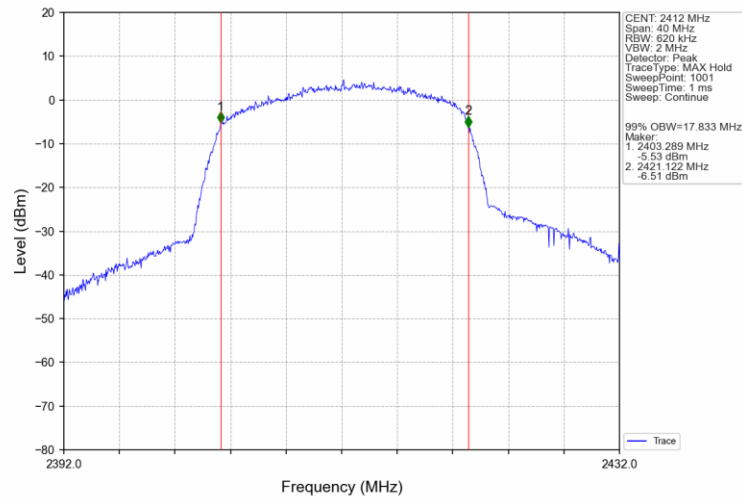
802.11g MCH 2437MHz_Ant1 (SISO) NTNv



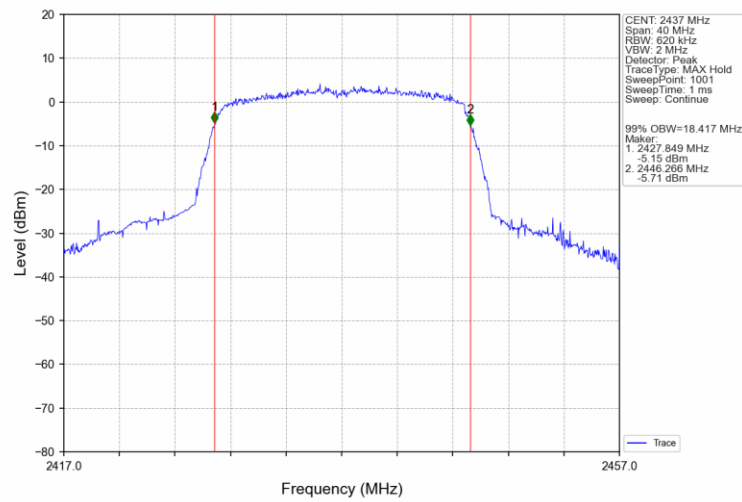
802.11g HCH 2462MHz_Ant1 (SISO) NTNv



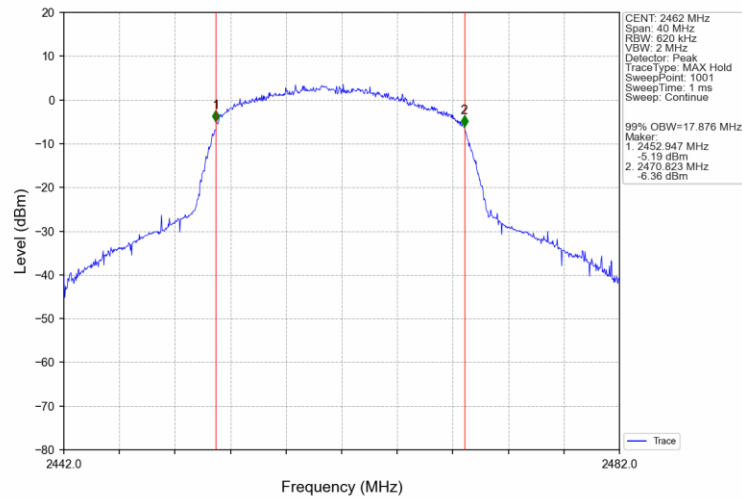
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



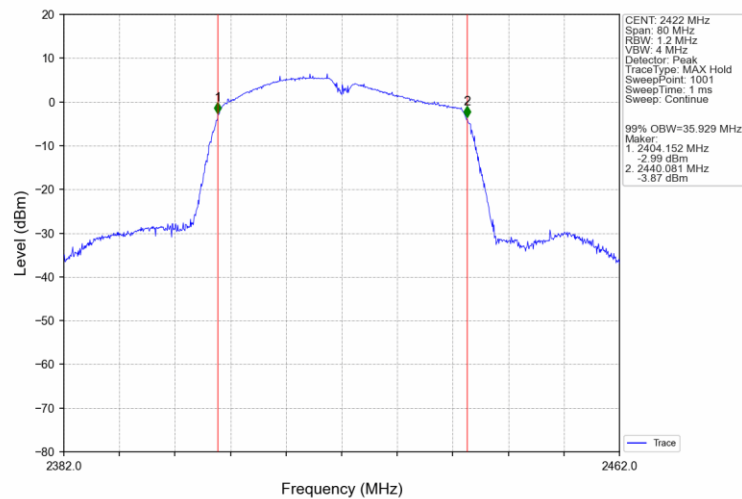
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



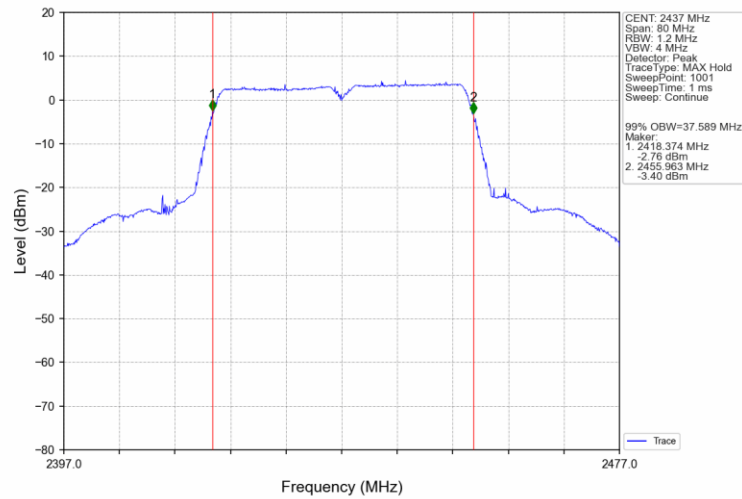
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



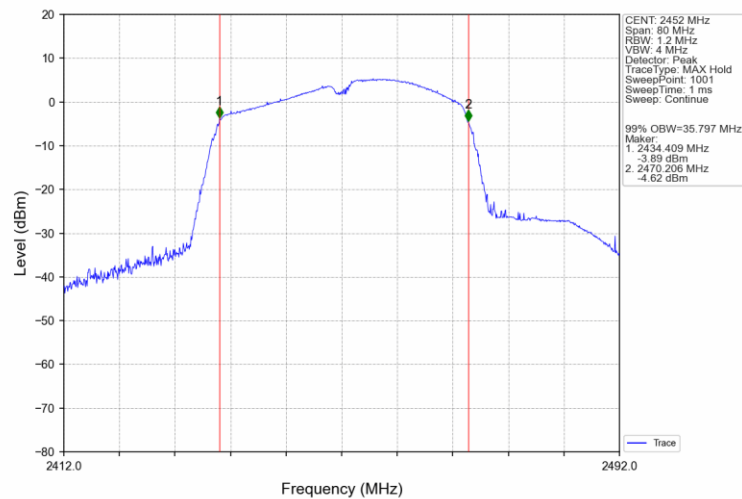
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



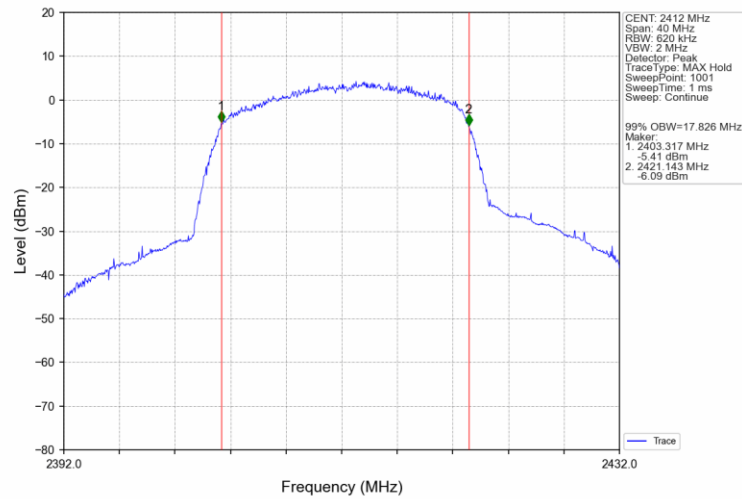
802.11n(HT40) MCH_2437MHz_Ant1 (SISO) NTNv



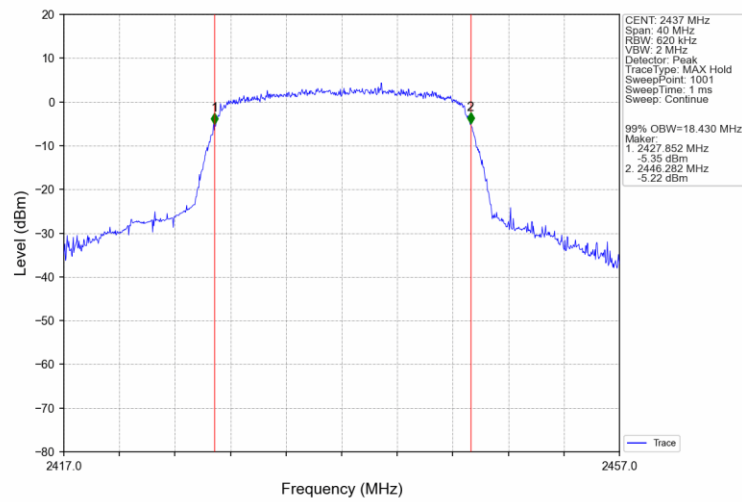
802.11n(HT40) HCH_2452MHz_Ant1 (SISO) NTNv



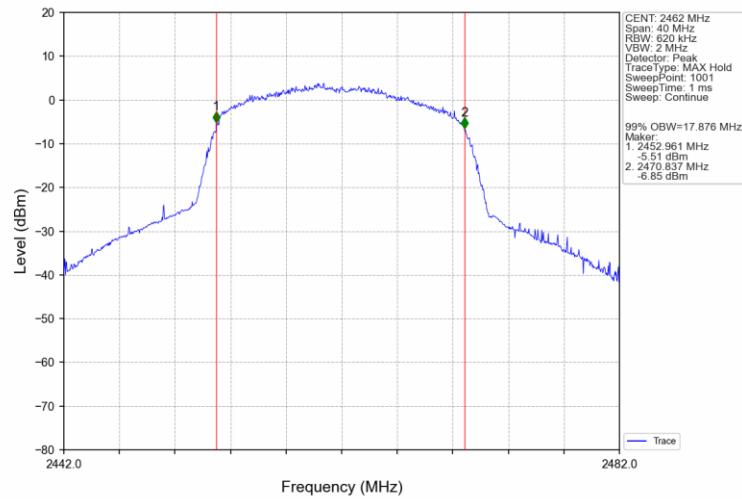
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



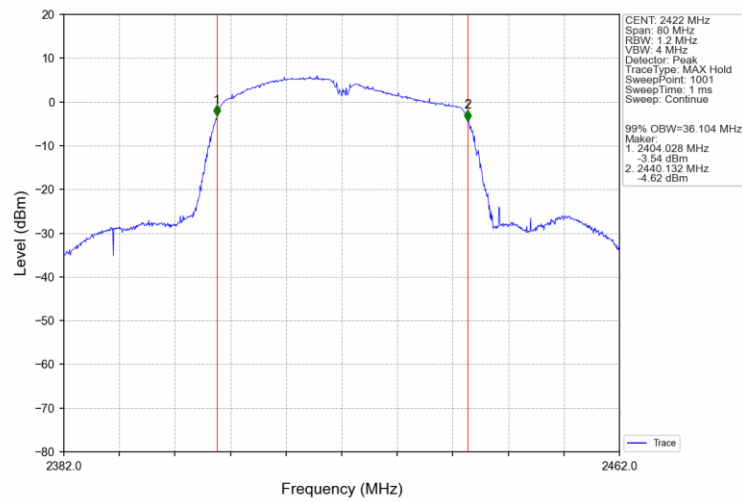
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



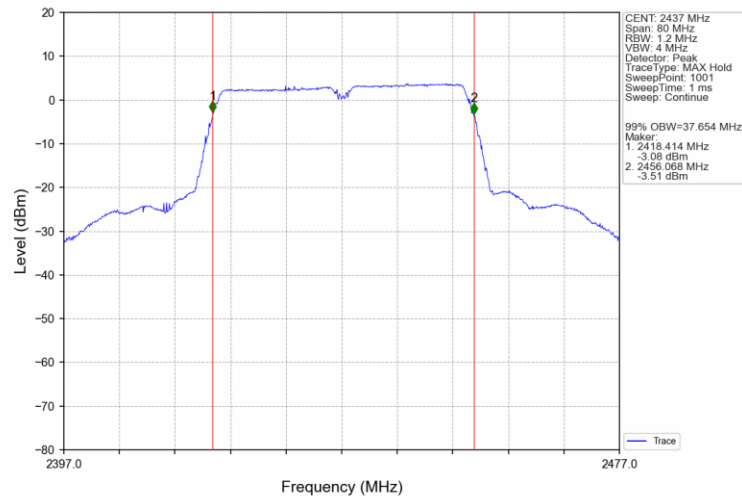
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTNv



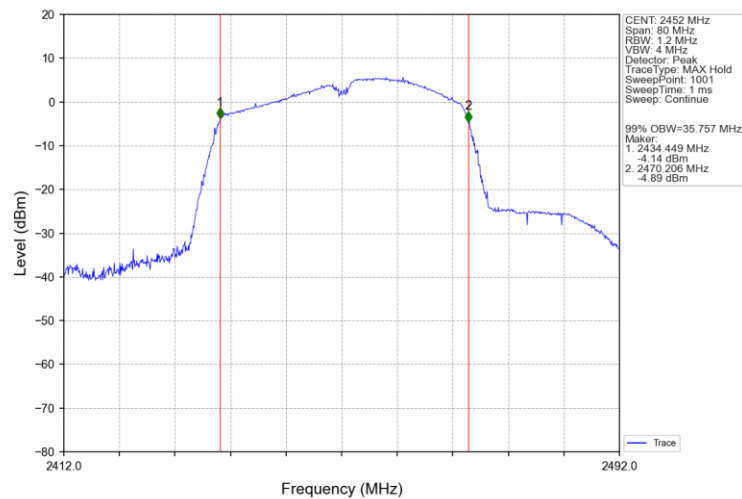
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTNv



802.11n(HT40) MCH 2437MHz Ant1 (MIMO) NTN

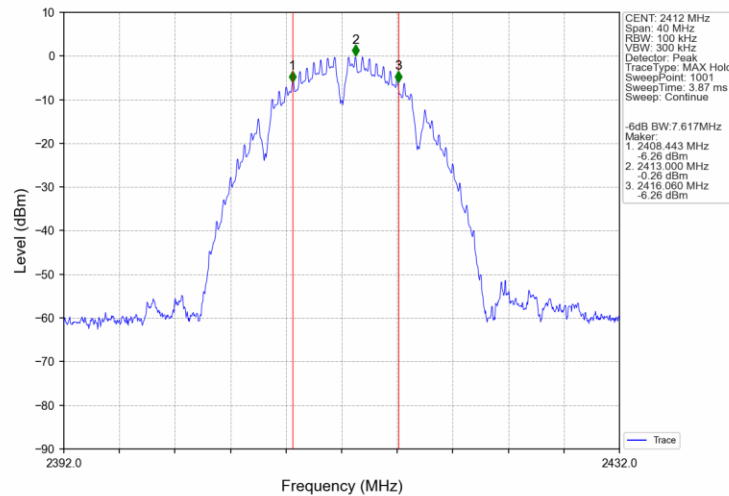


802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN

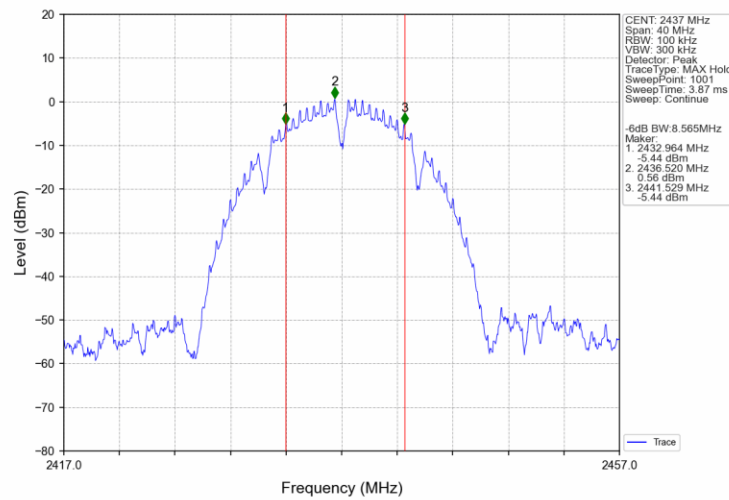


2.2.2 6dB BW

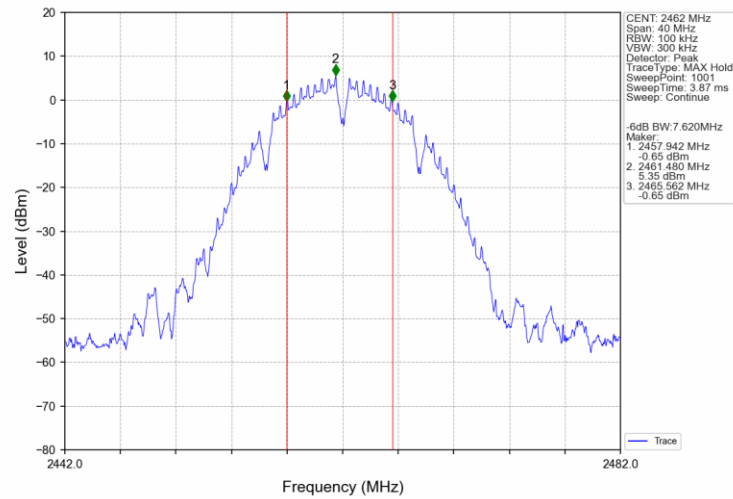
802.11b LCH 2412MHz_Ant1 (SISO)_NTNV



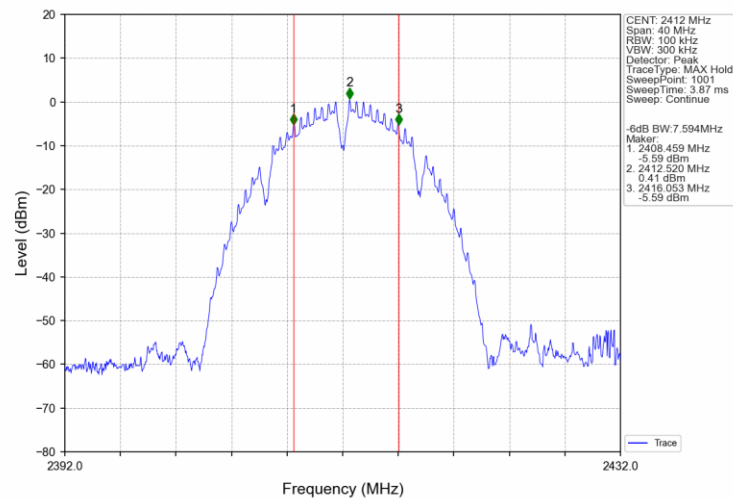
802.11b MCH 2437MHz_Ant1 (SISO)_NTNV



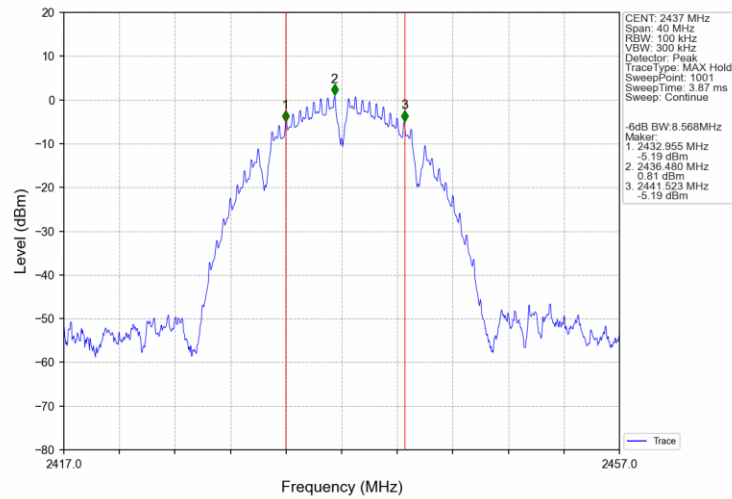
802.11b HCH 2462MHz_Ant1 (SISO) NTNv



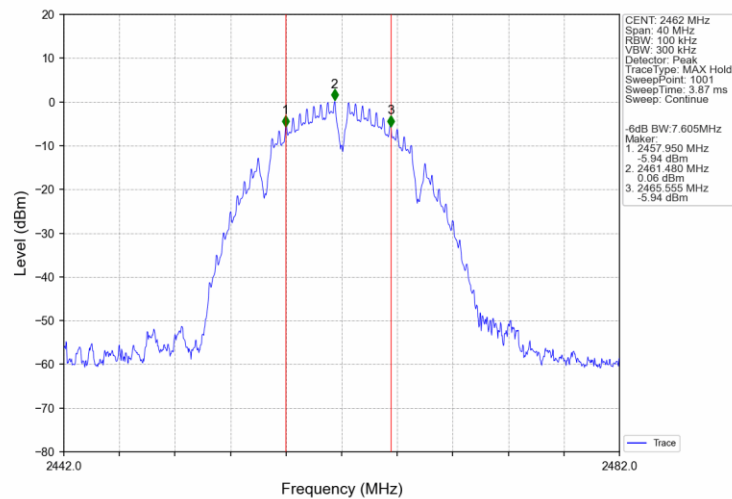
802.11g LCH 2412MHz_Ant1 (SISO) NTNv



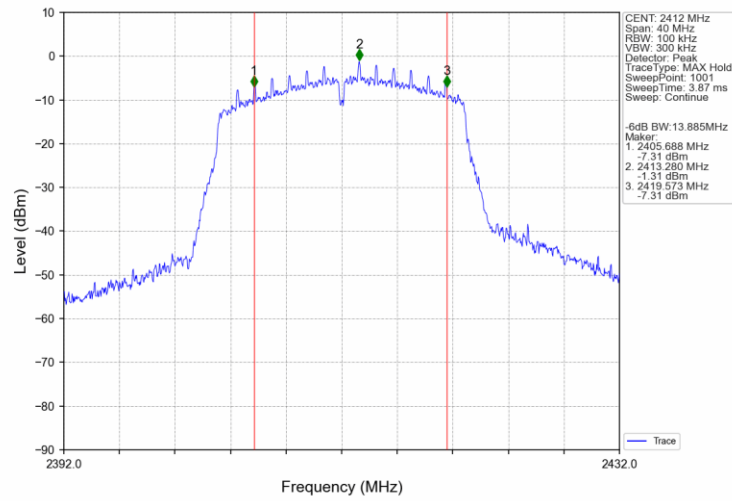
802.11g MCH 2437MHz_Ant1 (SISO) NTNv



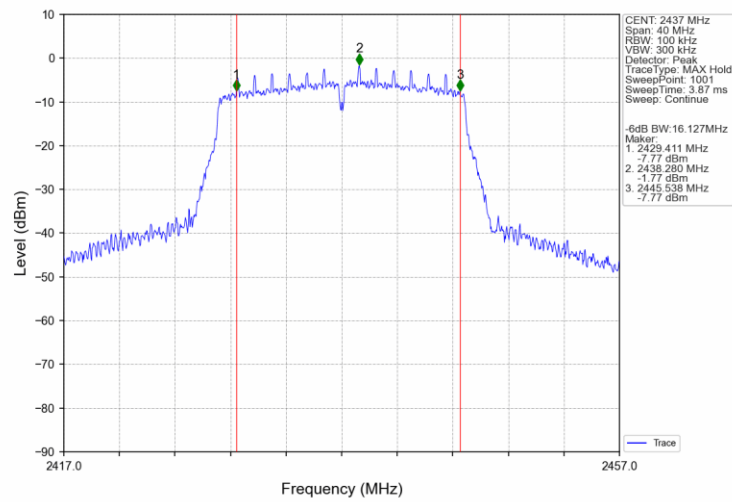
802.11g HCH 2462MHz_Ant1 (SISO) NTNv



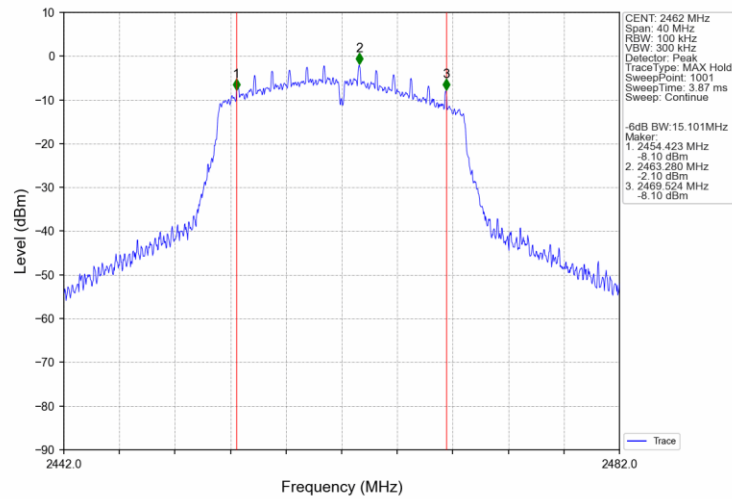
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTV



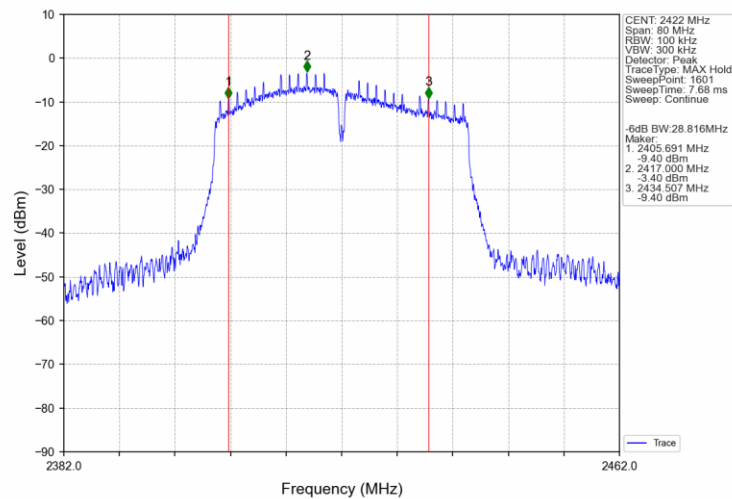
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTV



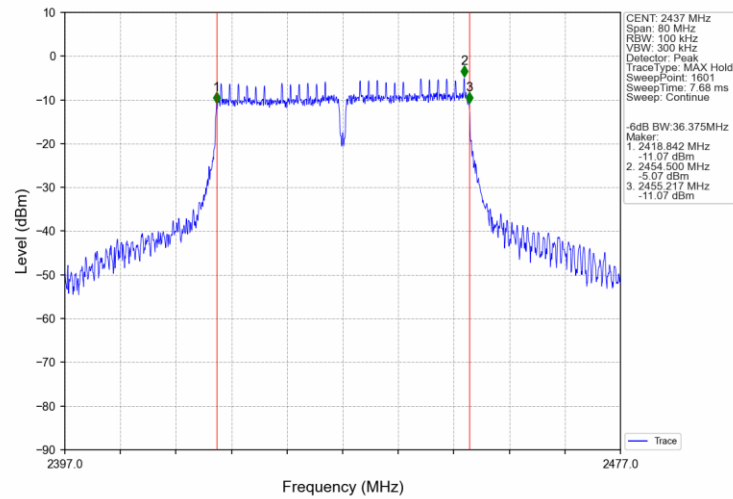
802.11n(HT20) HCH_2462MHz_Ant1 (SISO) NTN



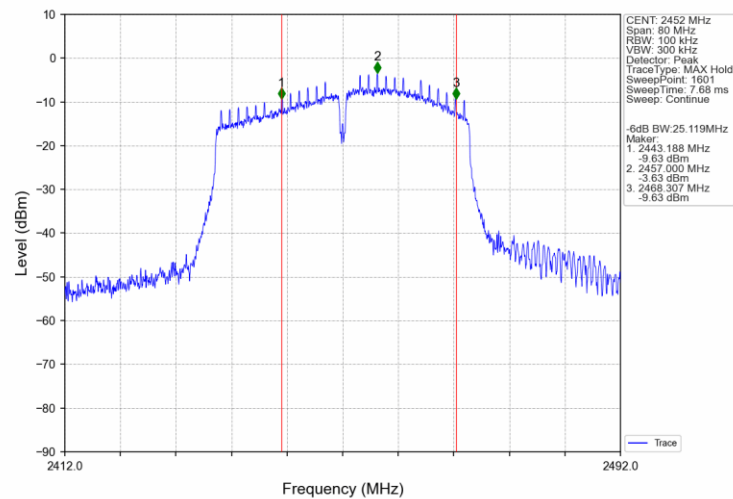
802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTN



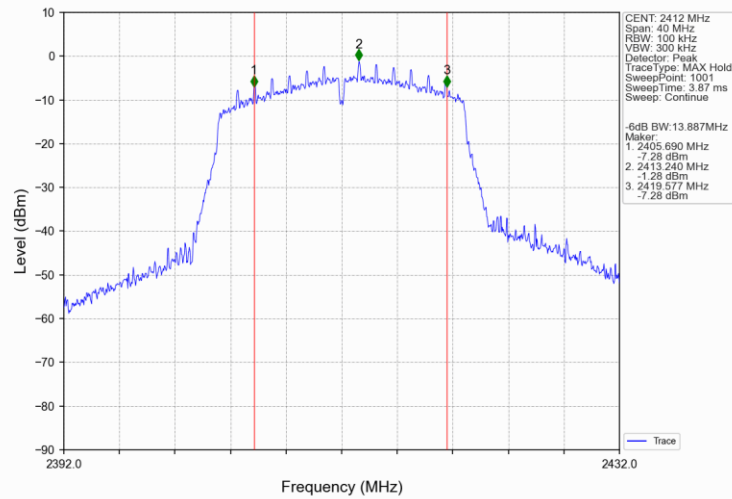
802.11n(HT40) MCH_2437MHz_Ant1(SISO) NTNV



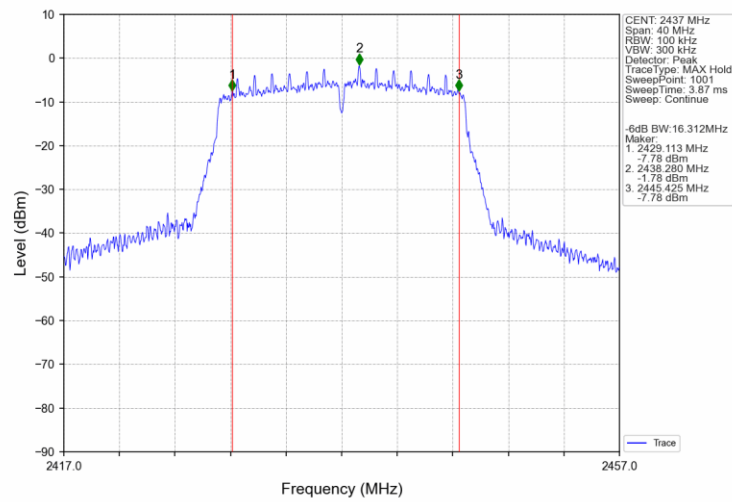
802.11n(HT40) HCH_2452MHz_Ant1(SISO) NTNV



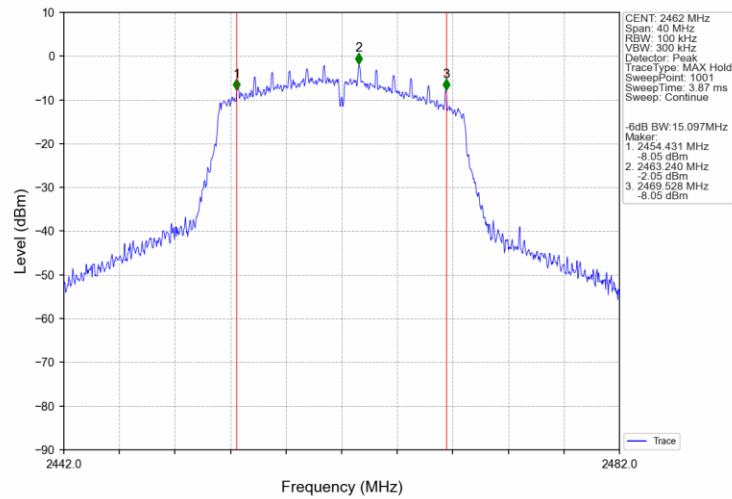
802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTNV



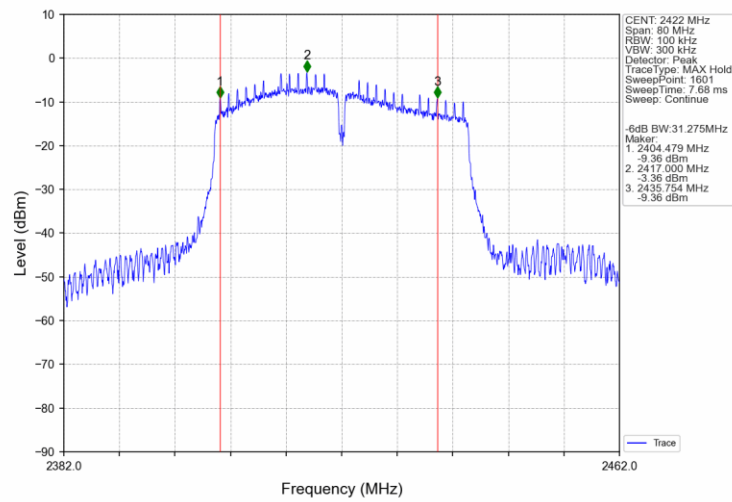
802.11n(HT20) MCH 2437MHz Ant1 (MIMO) NTNV



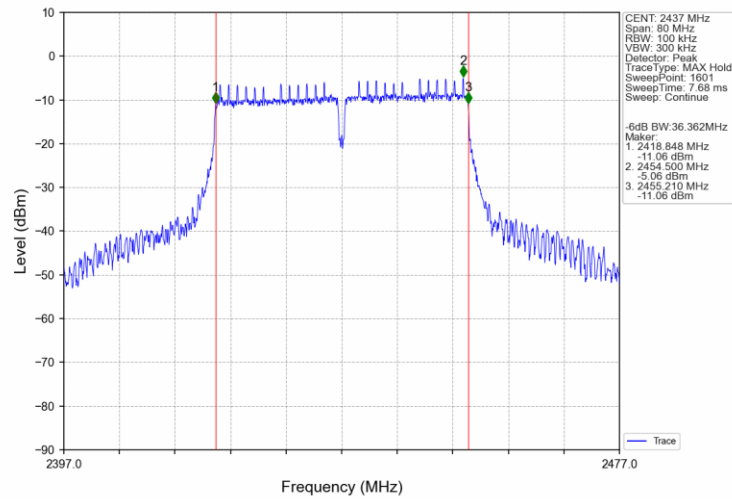
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTNv



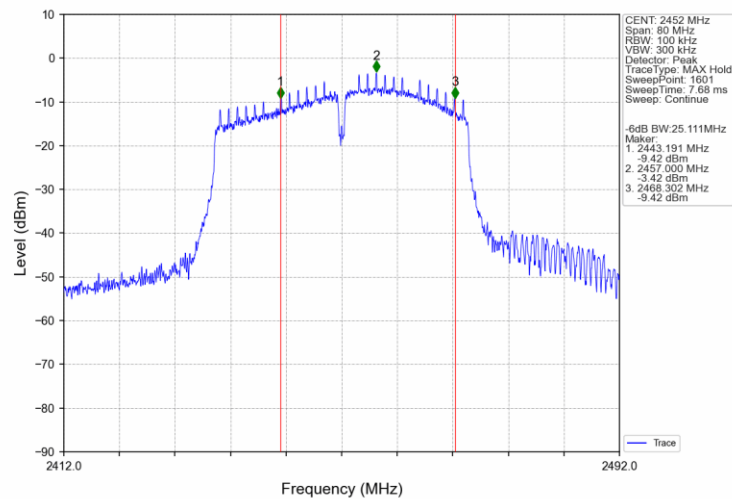
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTNv



802.11n(HT40) MCH 2437MHz Ant1 (MIMO) NTN



802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN



Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	12.36	12.70	/	<=30	Pass
		2437	11.35	13.08	/	<=30	Pass
		2462	12.92	13.26	/	<=30	Pass
802.11g	SISO	2412	12.85	12.80	/	<=30	Pass
		2437	11.31	12.66	/	<=30	Pass
		2462	12.75	13.16	/	<=30	Pass
802.11n (HT20)	SISO	2412	15.24	16.18	/	<=30	Pass
		2437	16.15	18.35	/	<=30	Pass
		2462	15.22	16.84	/	<=30	Pass
802.11n (HT40)	SISO	2422	16.05	17.55	/	<=30	Pass
		2437	16.66	18.25	/	<=30	Pass
		2452	15.35	16.51	/	<=30	Pass
802.11n (HT20)	MIMO	2412	15.27	16.22	18.78	<=27.89	Pass
		2437	16.01	18.51	20.45	<=27.89	Pass
		2462	15.30	16.93	19.20	<=27.89	Pass
802.11n (HT40)	MIMO	2422	16.50	17.76	20.19	<=27.89	Pass
		2437	16.57	18.44	20.62	<=27.89	Pass
		2452	15.52	16.29	18.93	<=27.89	Pass
Note1: Antenna Gain: Ant1: 5.10dBi; Ant2: 5.10dBi; Note2: Directional Gain: 8.11dBi							

4. Maximum Power Spectral Density

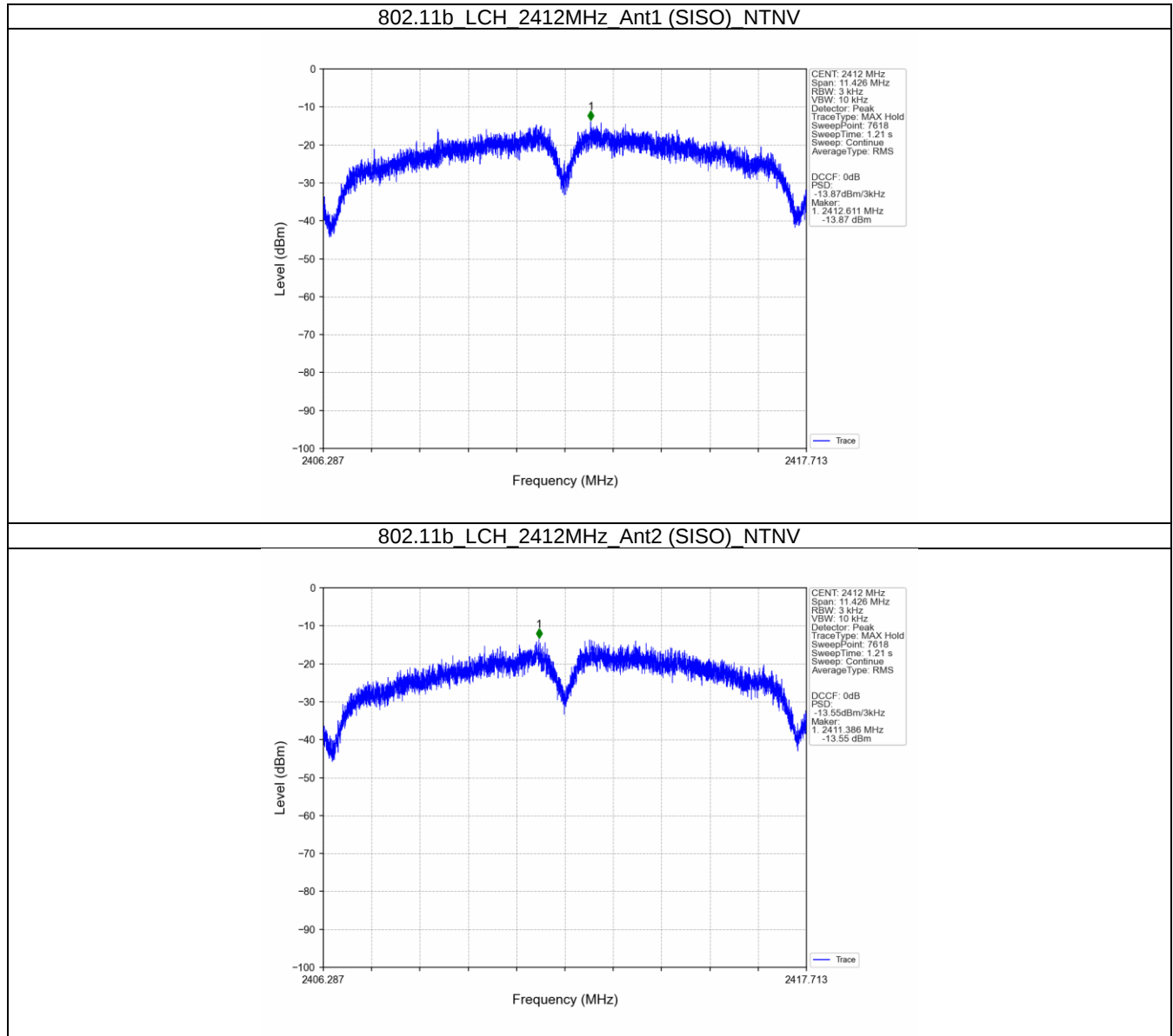
4.1 Test Result

4.1.1 PSD

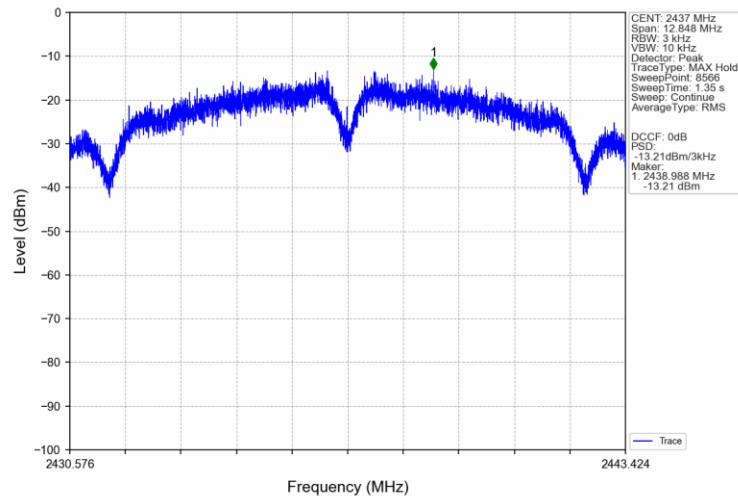
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-13.87	-13.55	/	<=8	Pass
		2437	-13.21	-11.33	/	<=8	Pass
		2462	-8.26	-12.20	/	<=8	Pass
802.11g	SISO	2412	-13.32	-13.43	/	<=8	Pass
		2437	-13.31	-11.81	/	<=8	Pass
		2462	-13.27	-13.32	/	<=8	Pass
802.11n (HT20)	SISO	2412	-15.89	-14.90	/	<=8	Pass
		2437	-15.66	-13.95	/	<=8	Pass
		2462	-15.01	-14.32	/	<=8	Pass
802.11n (HT40)	SISO	2422	-17.05	-14.66	/	<=8	Pass
		2437	-19.84	-16.34	/	<=8	Pass
		2452	-18.04	-15.61	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-16.79	-13.96	-13.14	<=5.89	Pass
		2437	-14.59	-13.14	-12.54	<=5.89	Pass
		2462	-16.23	-14.72	-13.18	<=5.89	Pass
802.11n (HT40)	MIMO	2422	-17.99	-15.28	-14.56	<=5.89	Pass
		2437	-19.03	-15.34	-14.87	<=5.89	Pass
		2452	-17.91	-15.75	-15.23	<=5.89	Pass
Note1: Antenna Gain: Ant1: 5.10dBi; Ant2: 5.10dBi; Note2: Directional Gain: 8.11dBi							

4.2 Test Graph

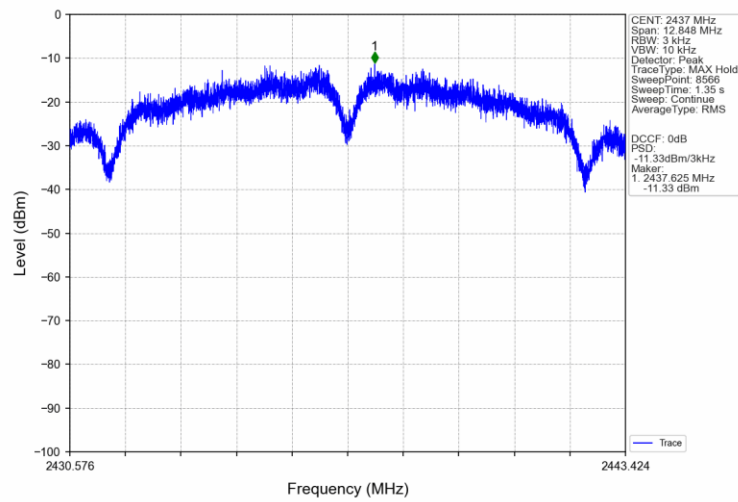
4.2.1 PSD



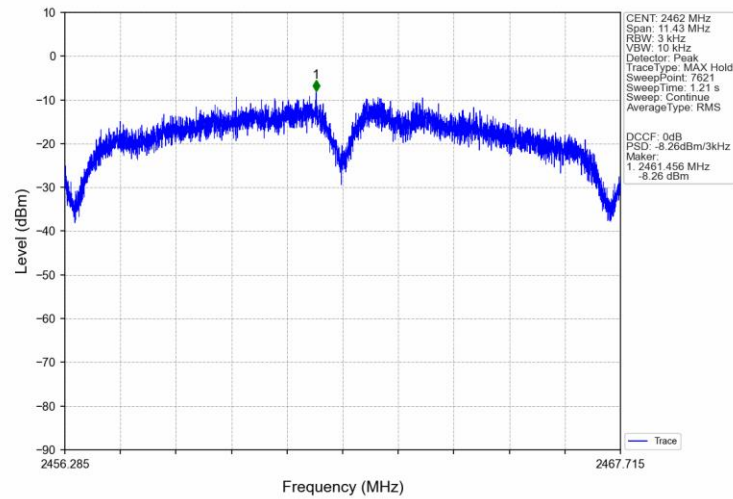
802.11b MCH 2437MHz Ant1 (SISO) NTN



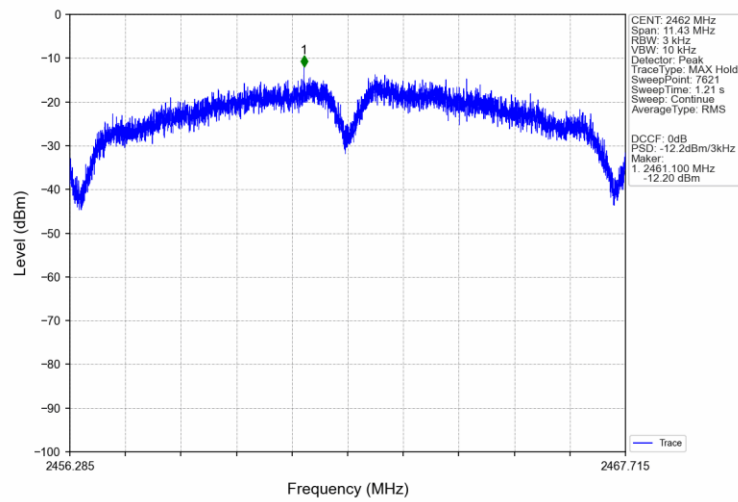
802.11b MCH 2437MHz Ant2 (SISO) NTN



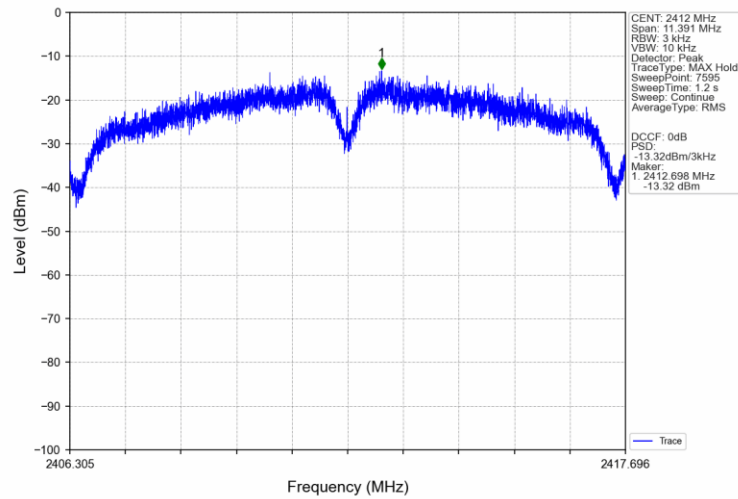
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



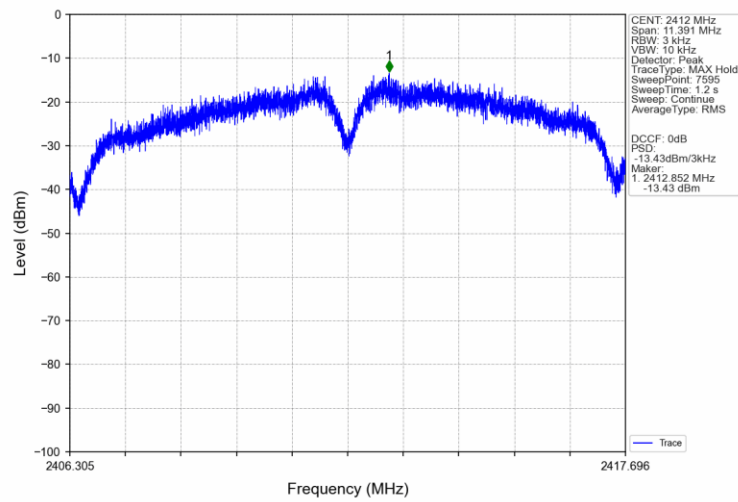
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



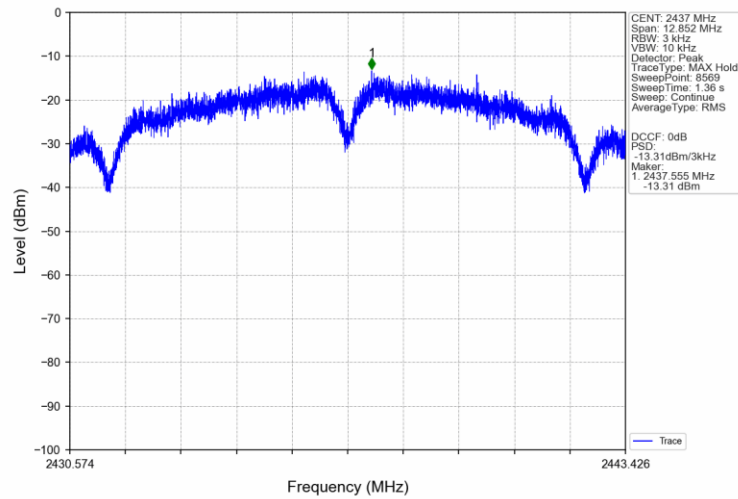
802.11g LCH 2412MHz Ant1 (SISO) NTNV



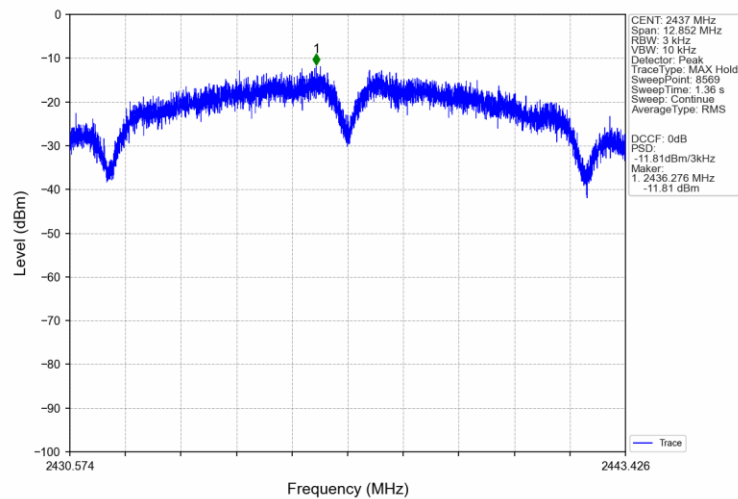
802.11g LCH 2412MHz Ant2 (SISO) NTNV



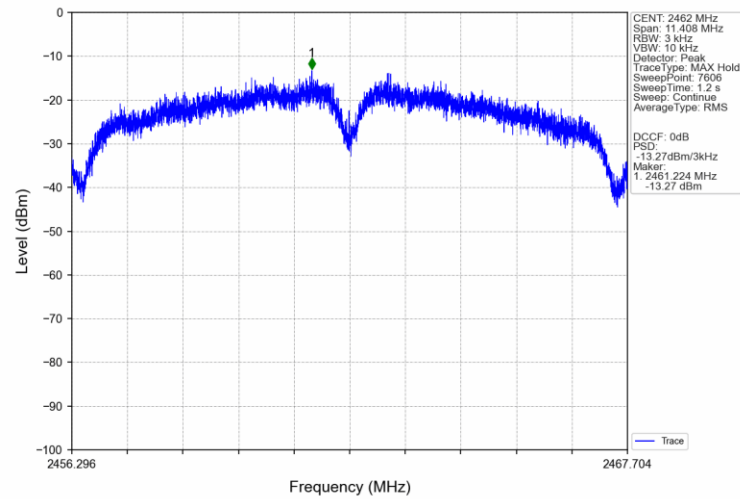
802.11g MCH 2437MHz Ant1 (SISO) NTN



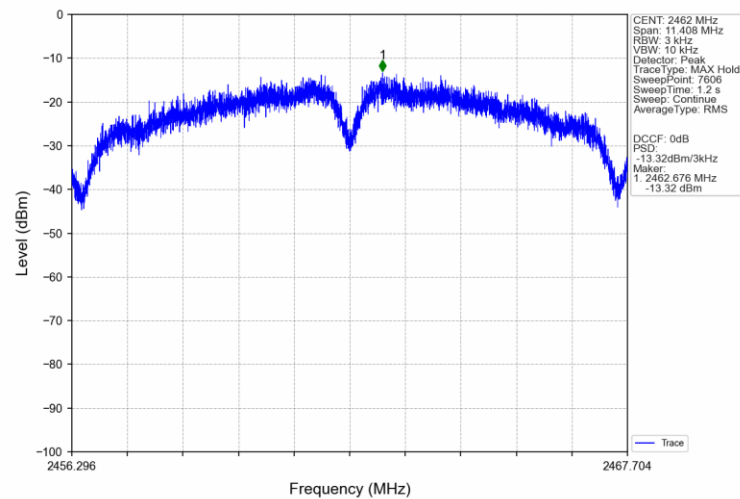
802.11g MCH 2437MHz Ant2 (SISO) NTN



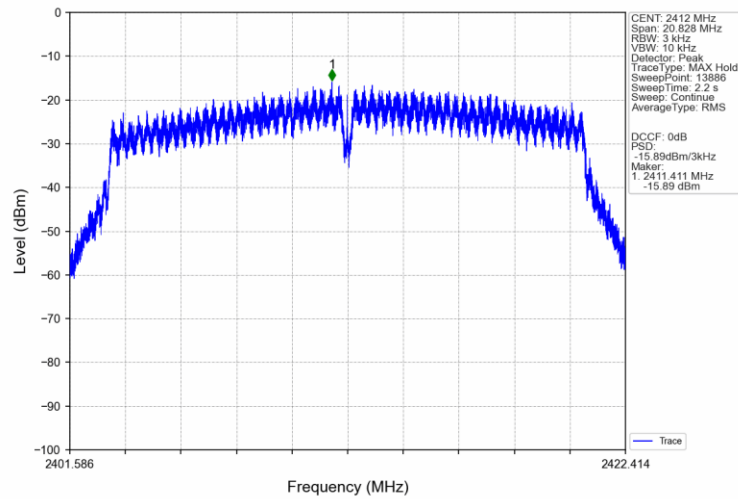
802.11g HCH 2462MHz_Ant1 (SISO)_NTNV



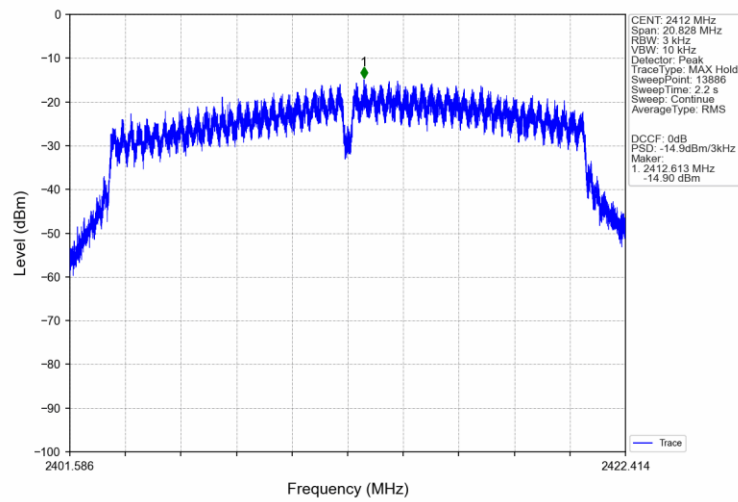
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



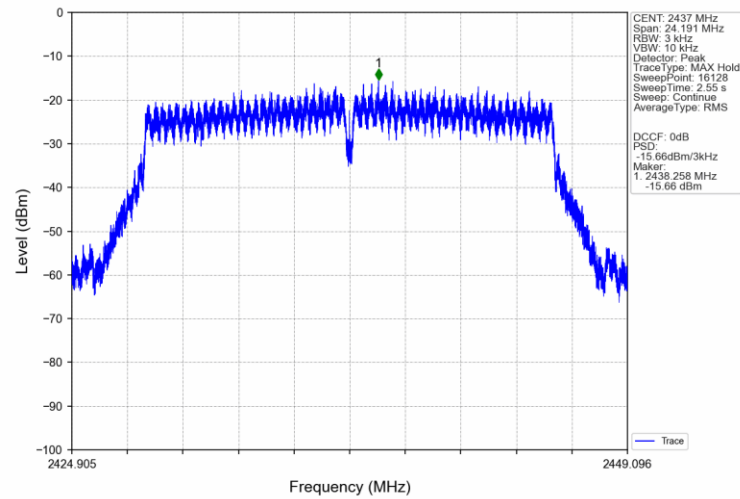
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



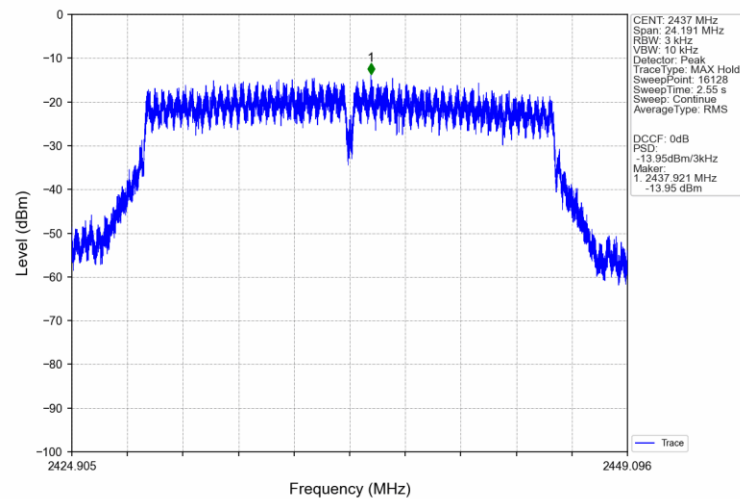
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



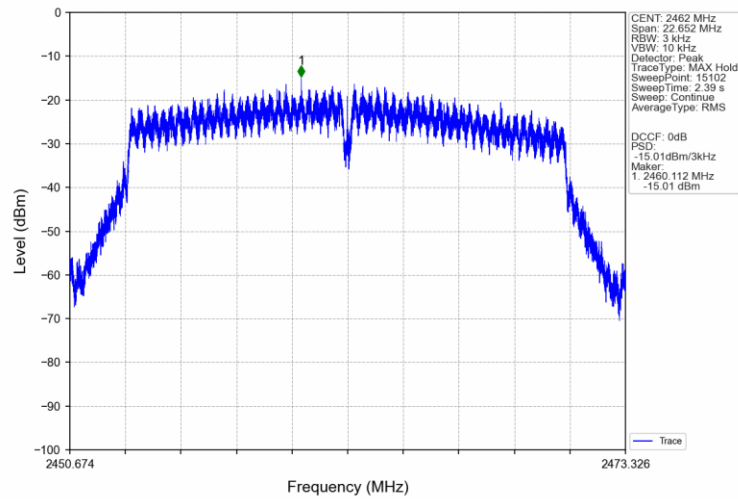
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



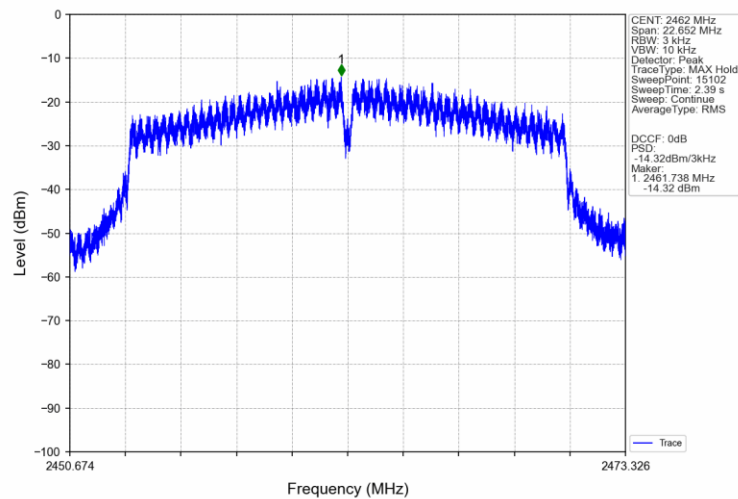
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



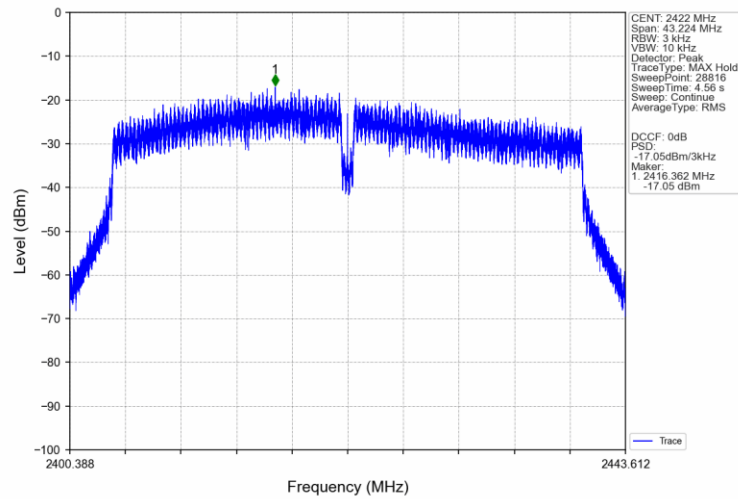
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT40) LCH_2422MHz_Ant1 (SISO) NTNV



802.11n(HT40) LCH_2422MHz_Ant2 (SISO) NTNV

