

1. Duty Cycle

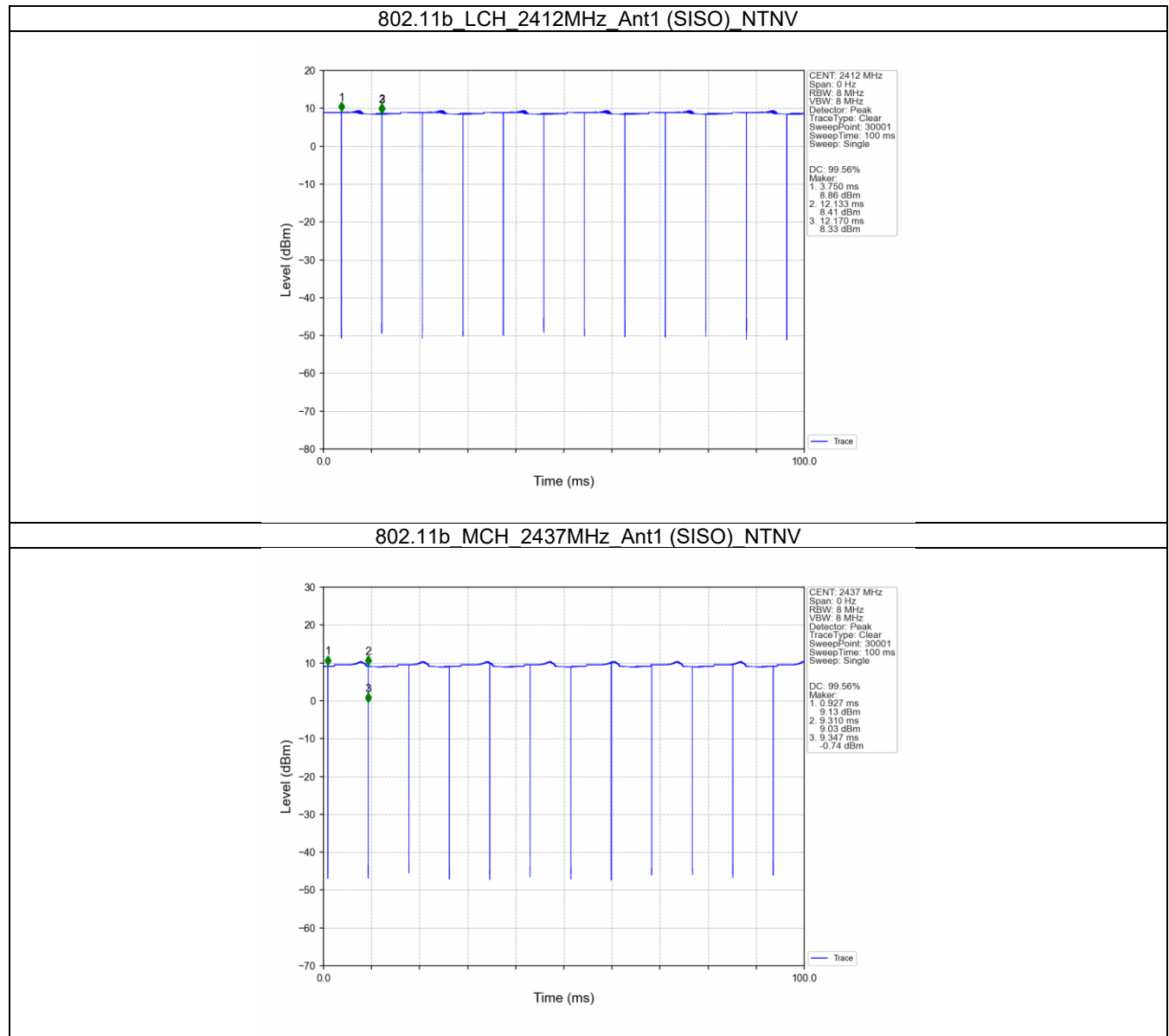
1.1 Test Result

1.1.1 Ant1

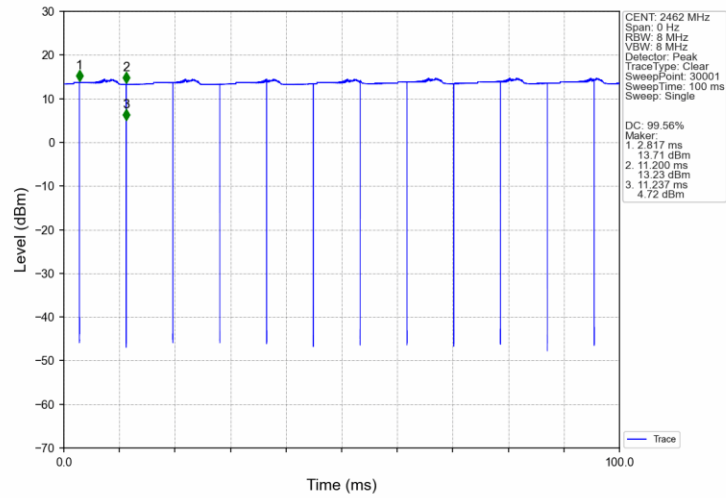
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.383	8.420	99.56	0.02	0.04
		2437	8.383	8.420	99.56	0.02	0.04
		2462	8.383	8.420	99.56	0.02	0.04
802.11g	SISO	2412	8.383	8.420	99.56	0.02	0.04
		2437	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

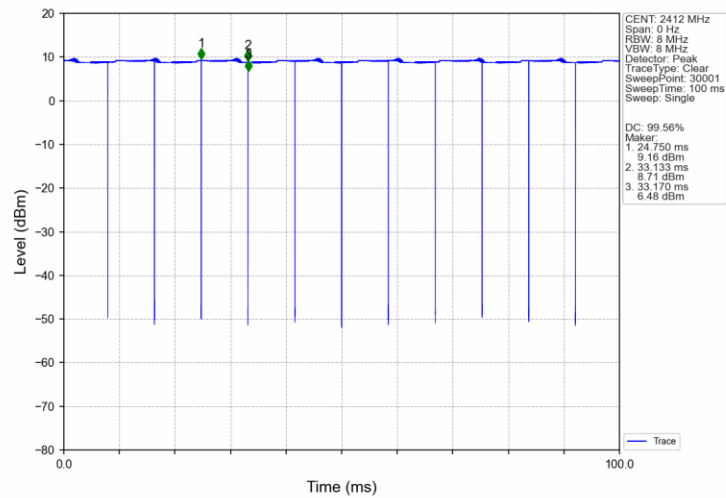
1.2.1 Ant1



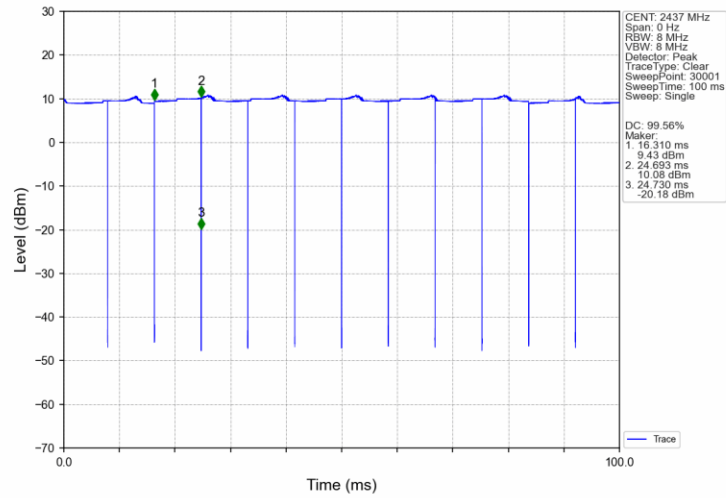
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



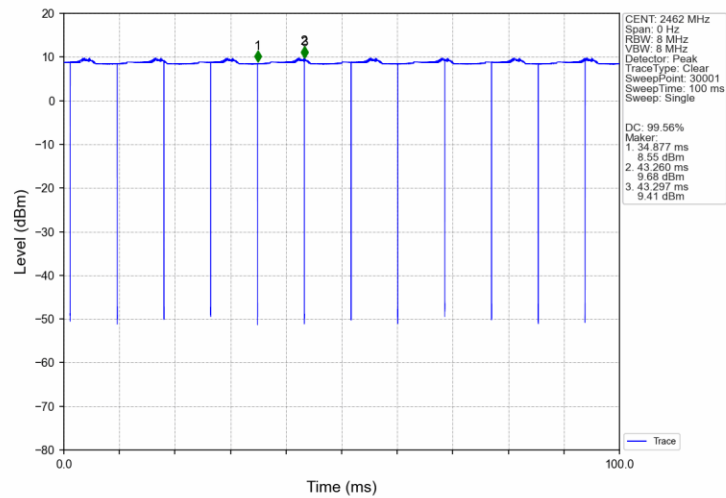
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



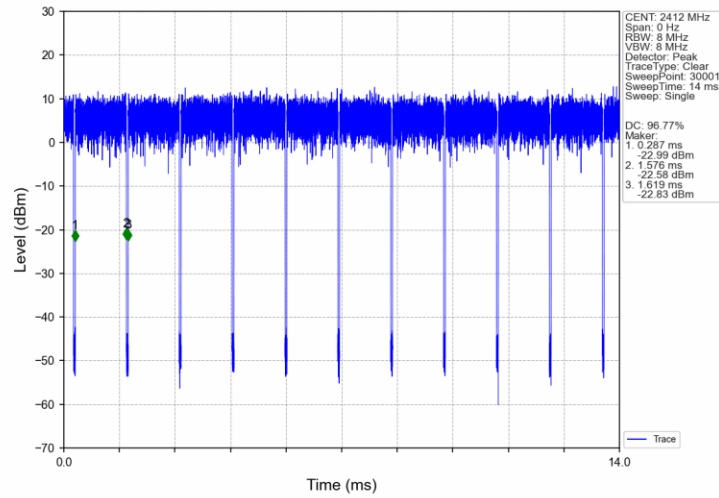
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



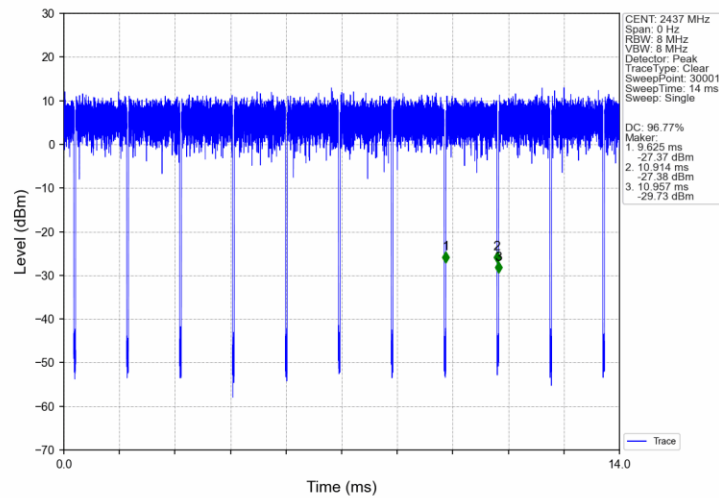
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



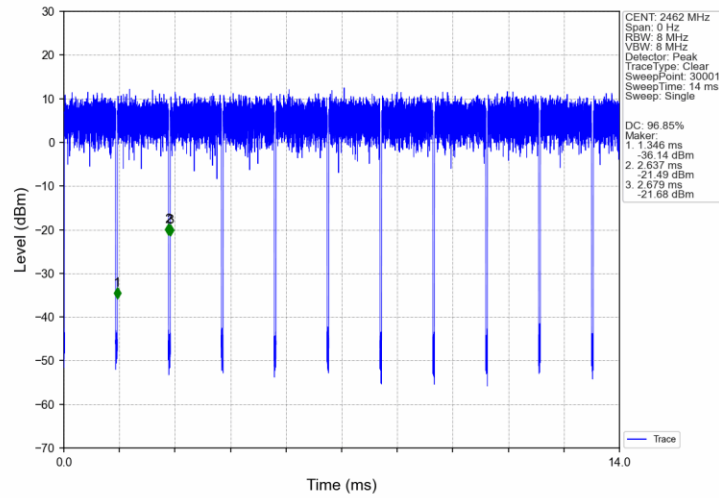
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



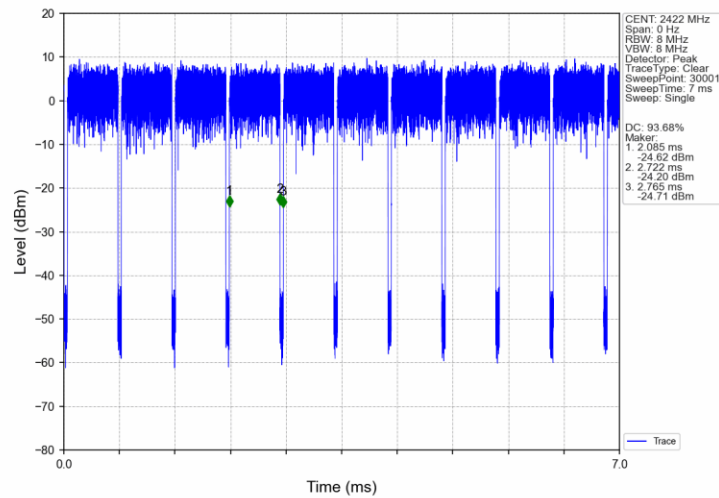
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



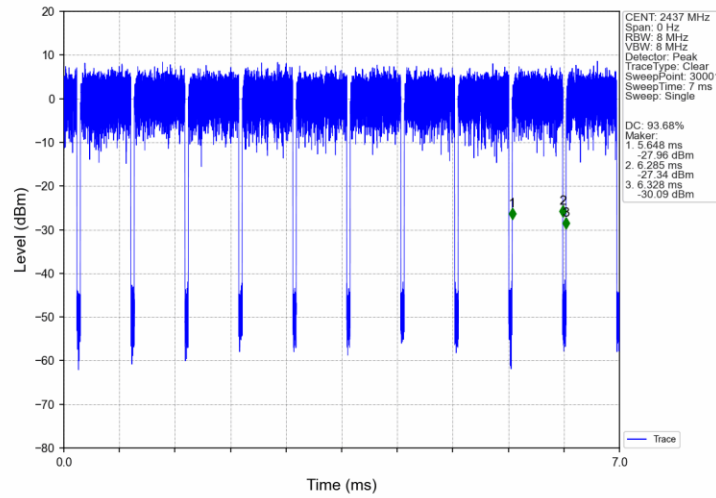
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



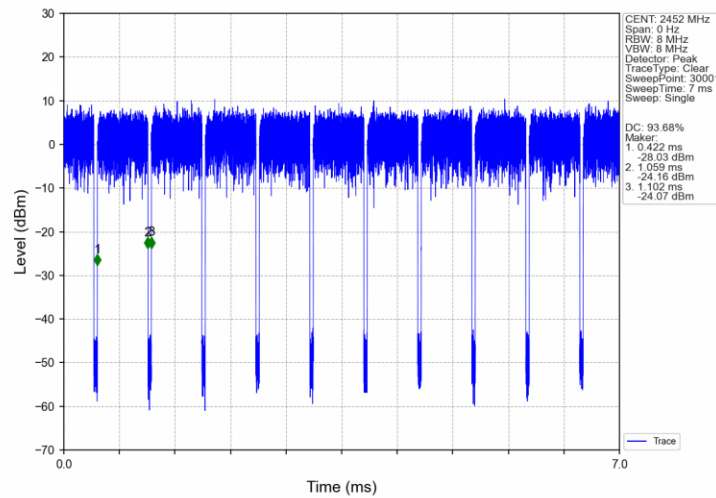
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



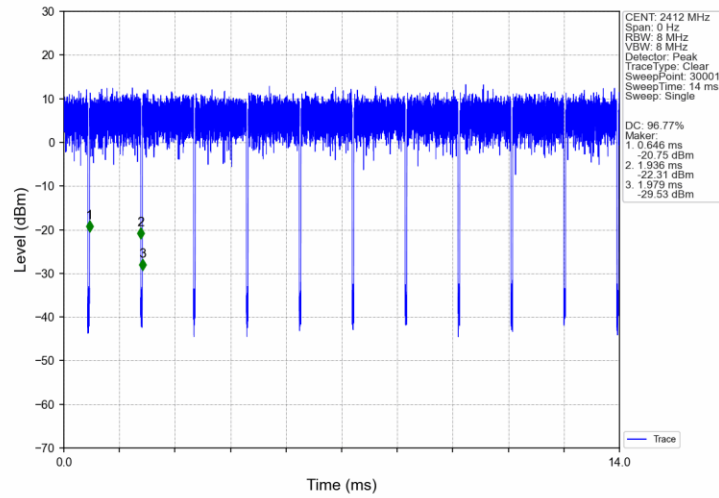
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



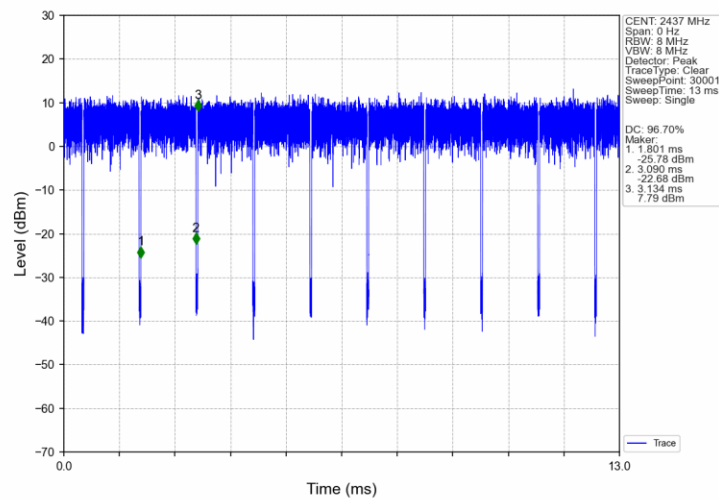
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



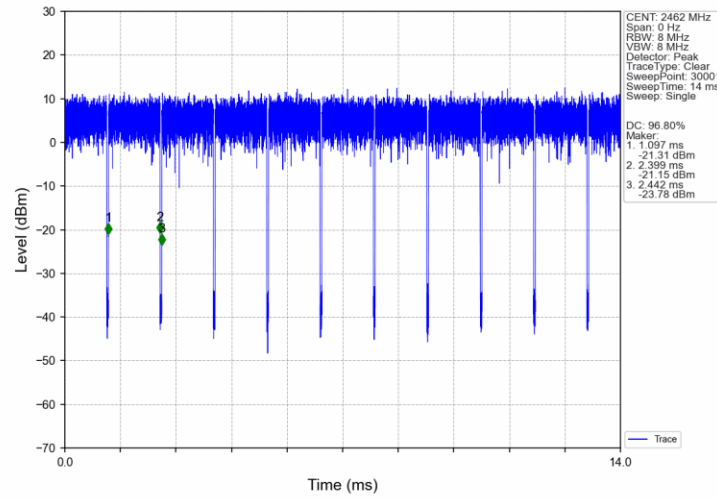
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



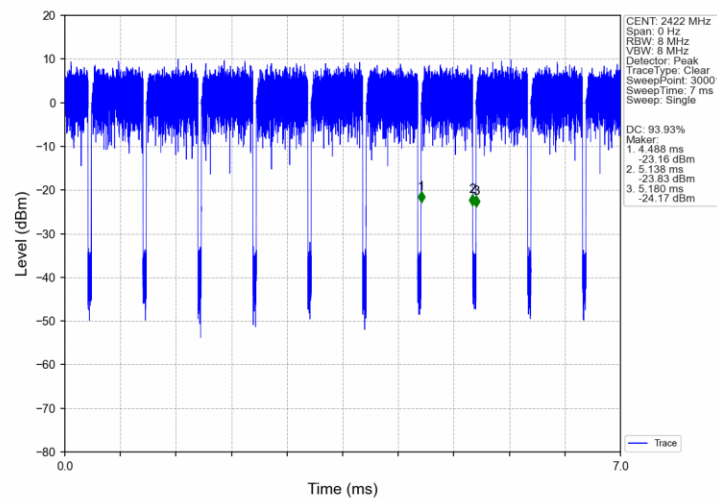
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



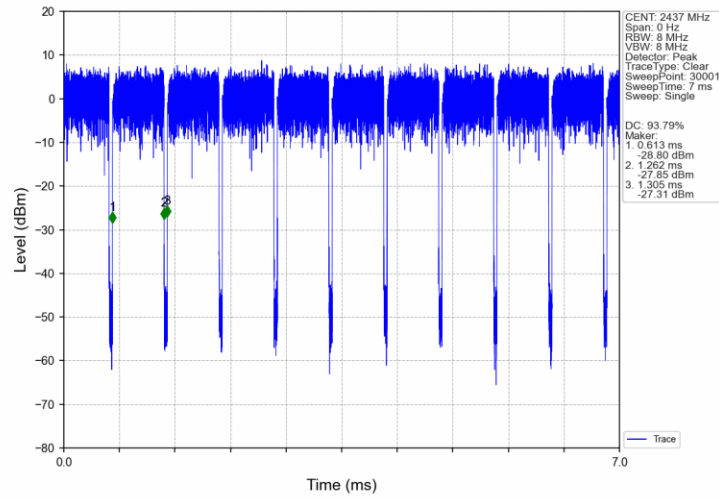
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



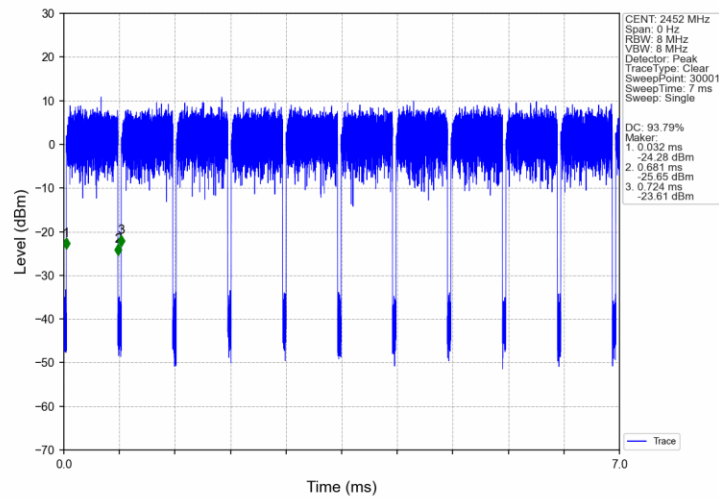
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

ANT1

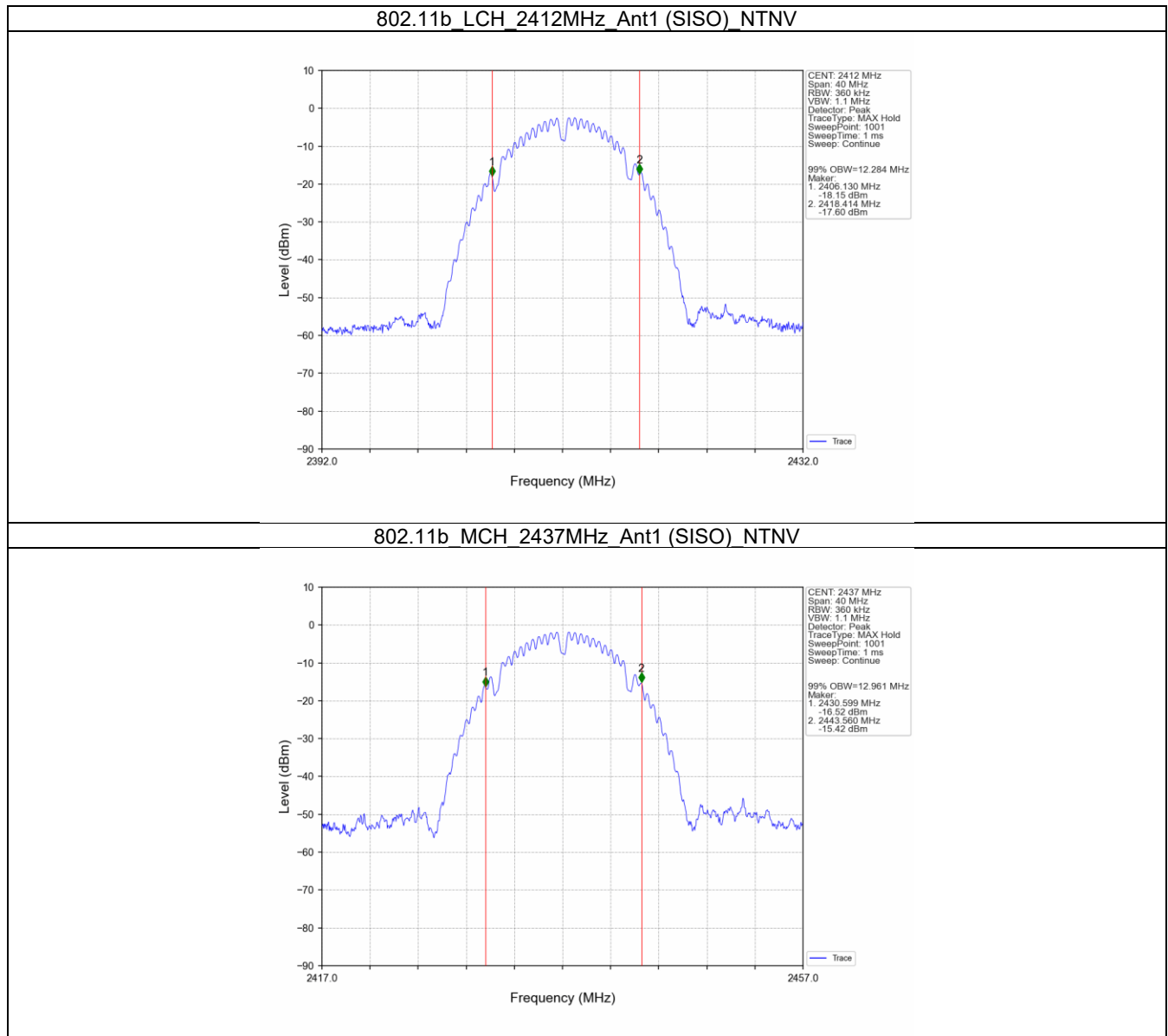
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.284	/	Pass
		2437	1	12.961	/	Pass
		2462	1	12.624	/	Pass
802.11g	SISO	2412	1	12.259	/	Pass
		2437	1	12.948	/	Pass
		2462	1	12.293	/	Pass
802.11n (HT20)	SISO	2412	1	17.833	/	Pass
		2437	1	18.417	/	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

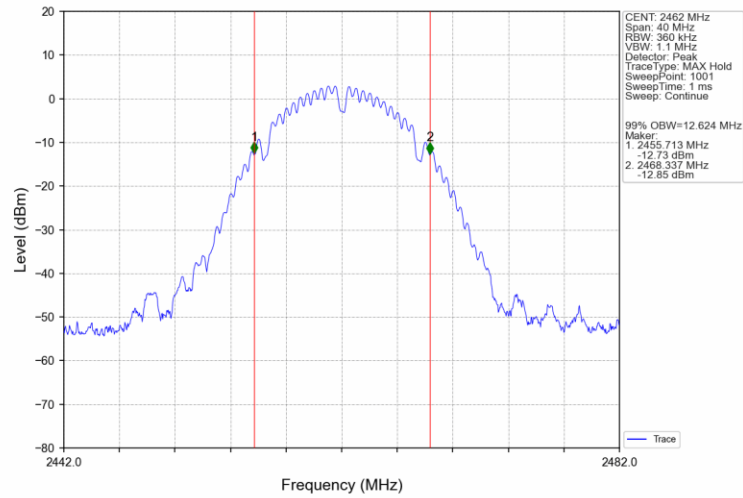
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	7.617	≥ 0.5	Pass
		2437	1	8.565	≥ 0.5	Pass
		2462	1	7.620	≥ 0.5	Pass
802.11g	SISO	2412	1	7.594	≥ 0.5	Pass
		2437	1	8.568	≥ 0.5	Pass
		2462	1	7.605	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	13.885	≥ 0.5	Pass
		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

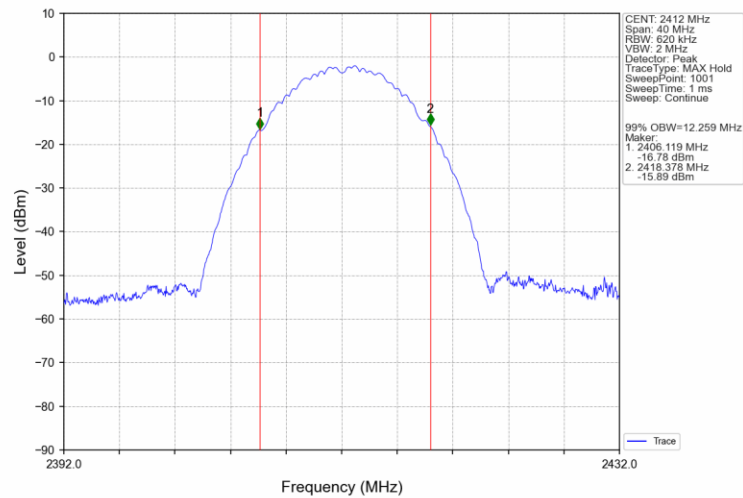
2.2.1 OBW



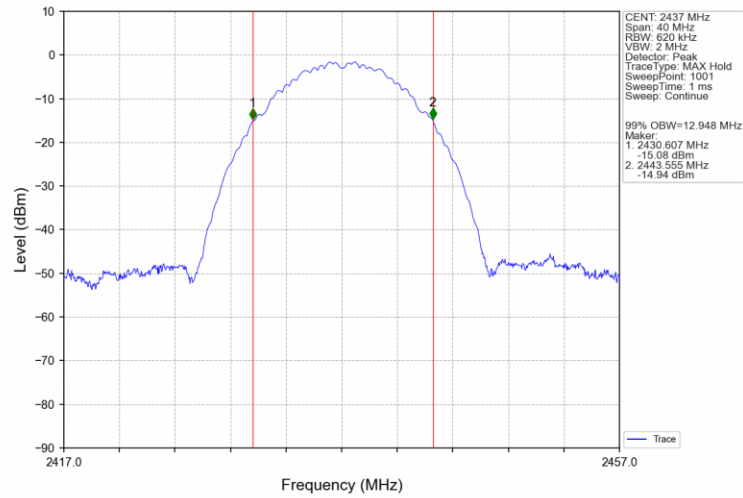
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



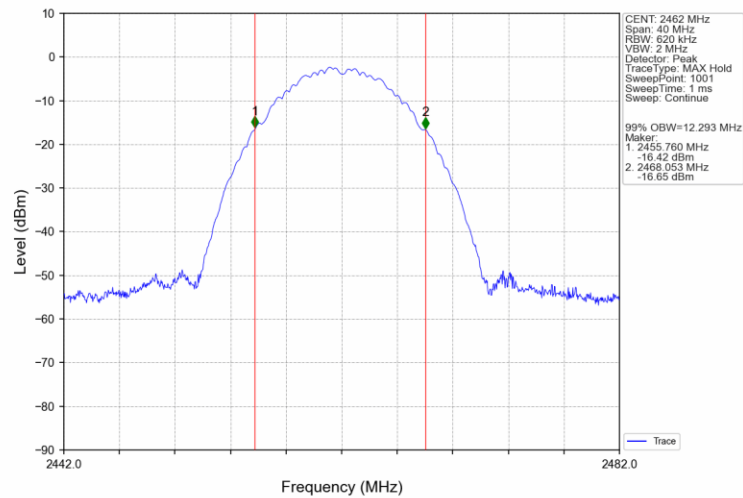
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



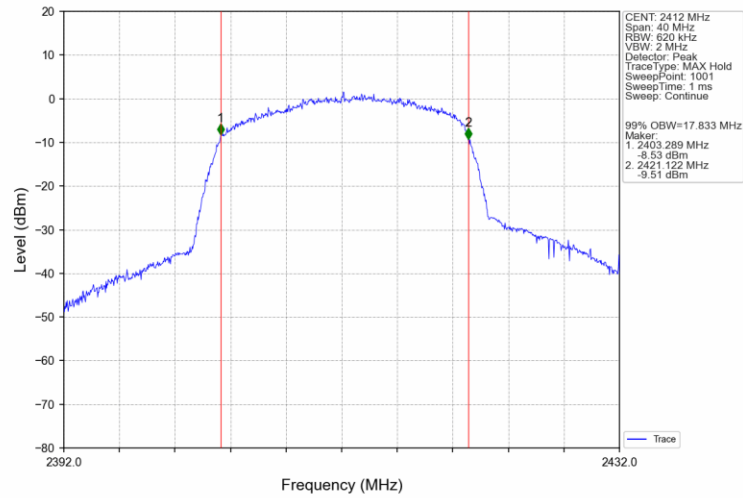
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



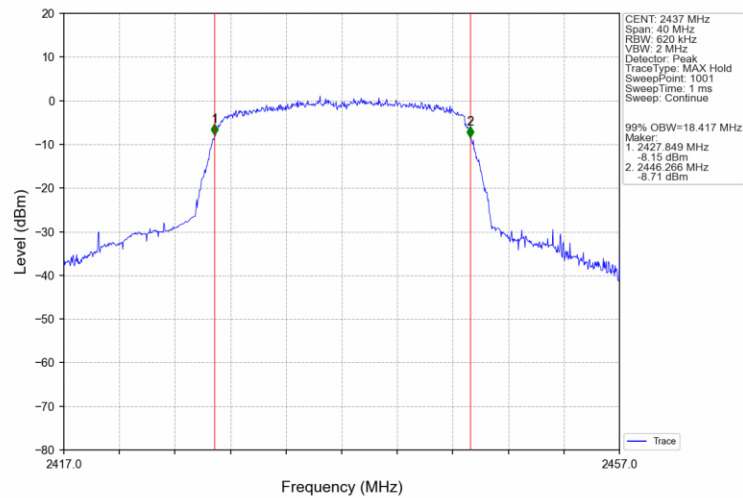
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



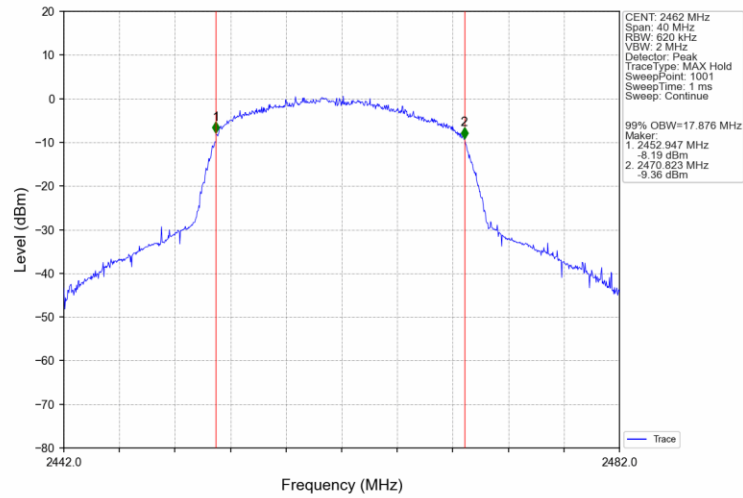
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



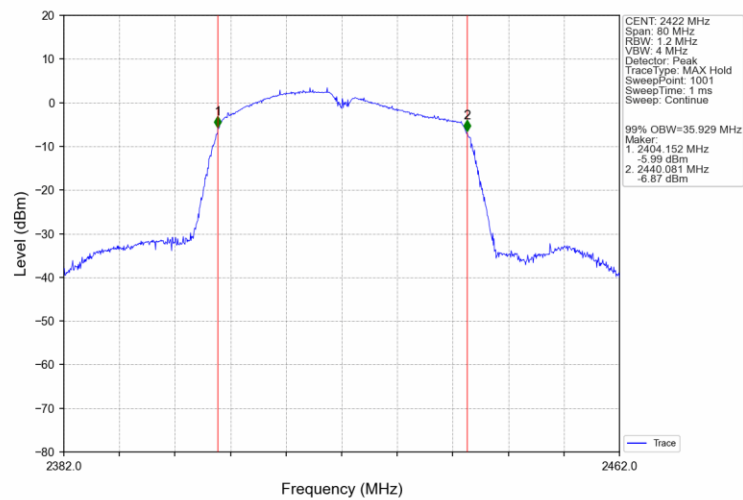
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



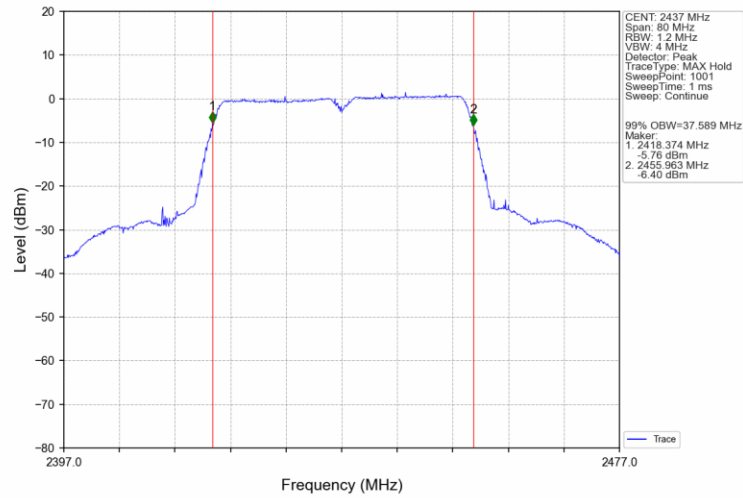
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



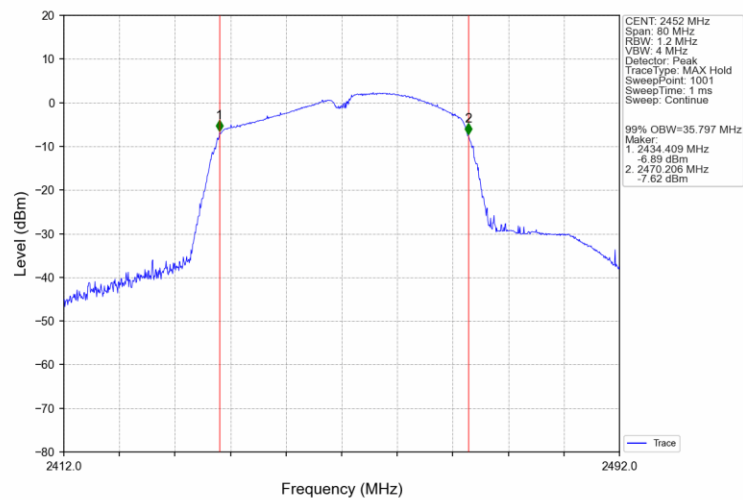
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



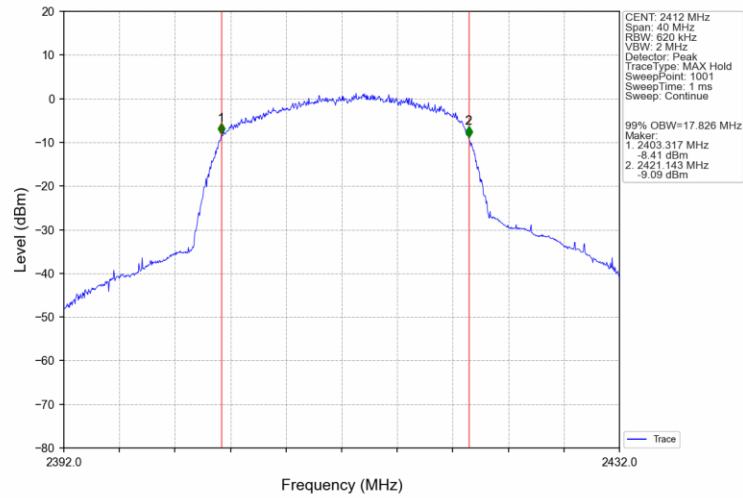
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



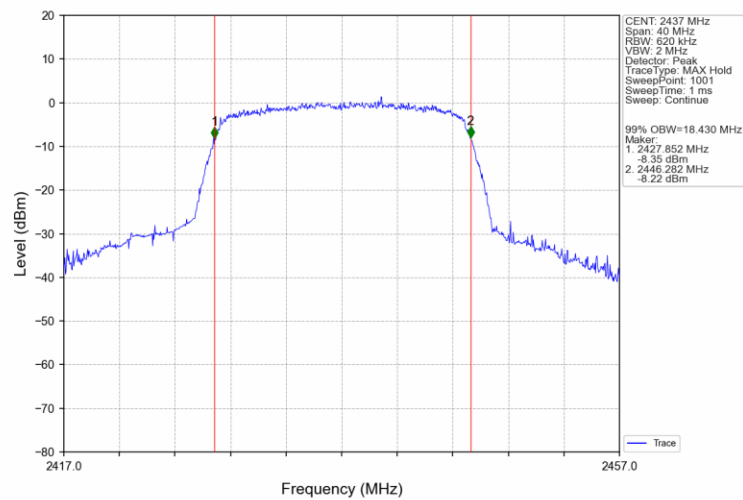
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



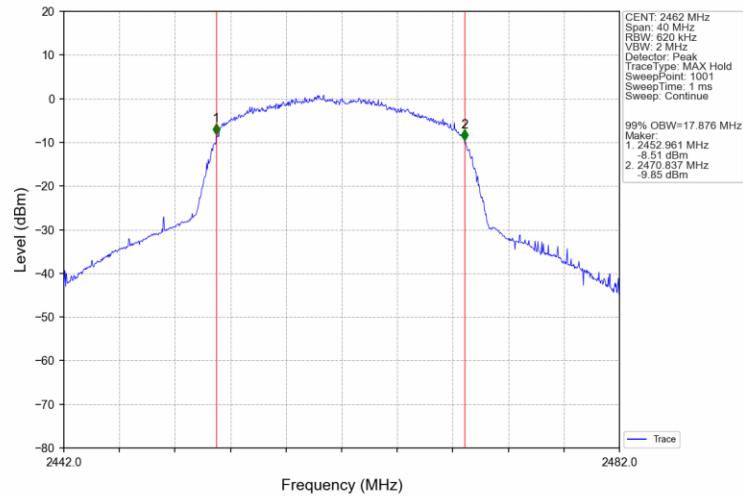
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



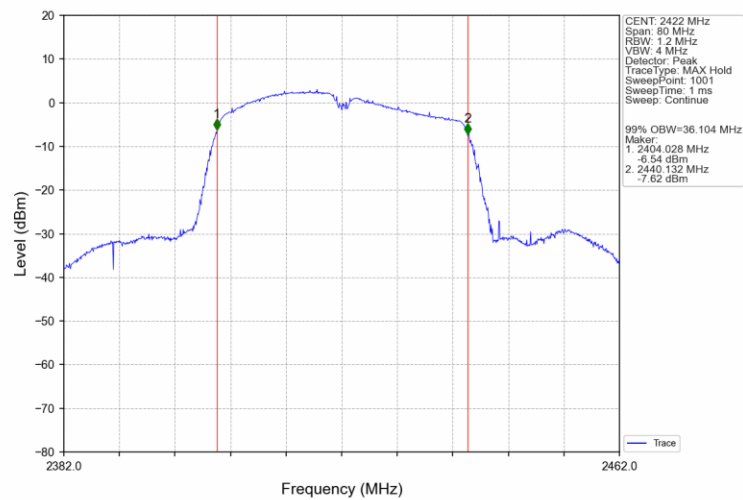
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



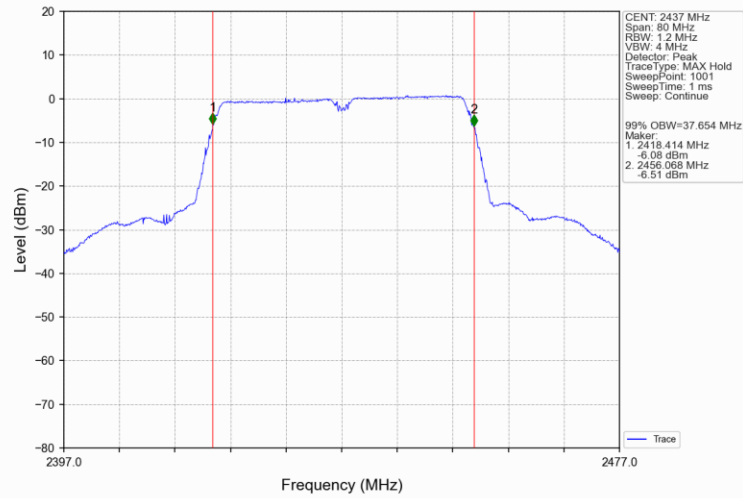
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



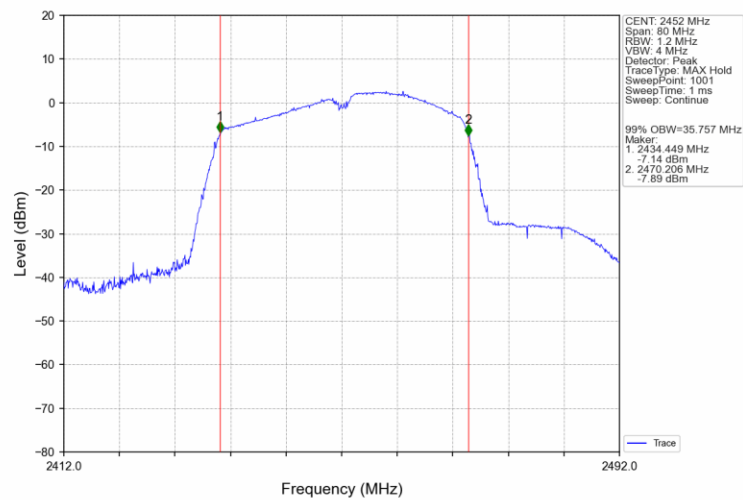
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

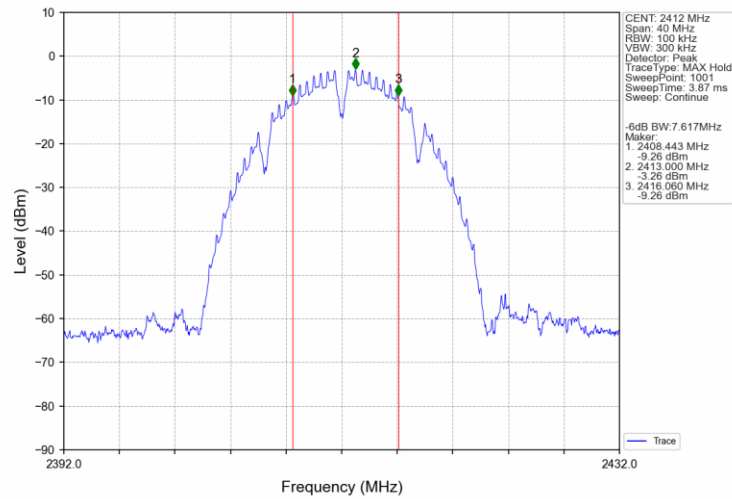


802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV

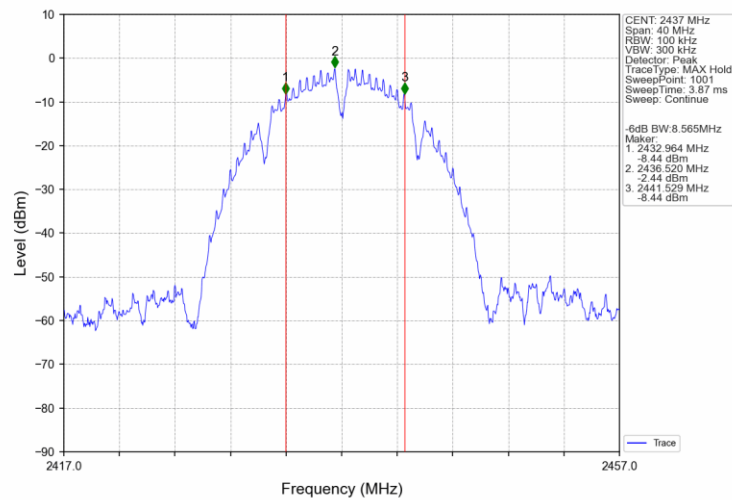


2.2.2 6dB BW

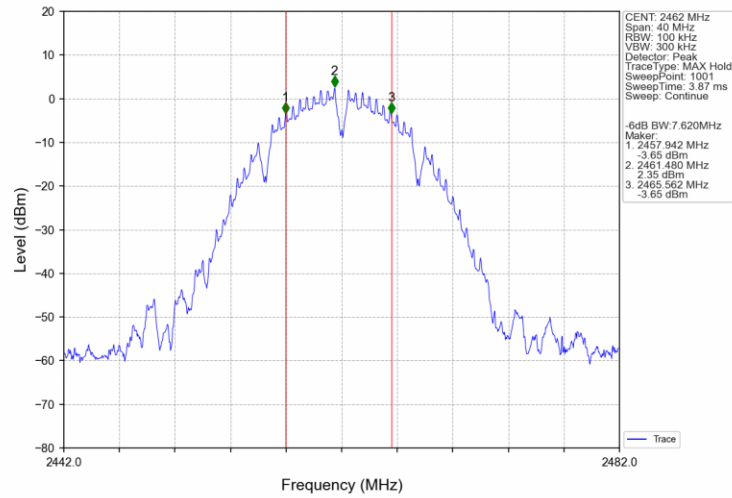
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



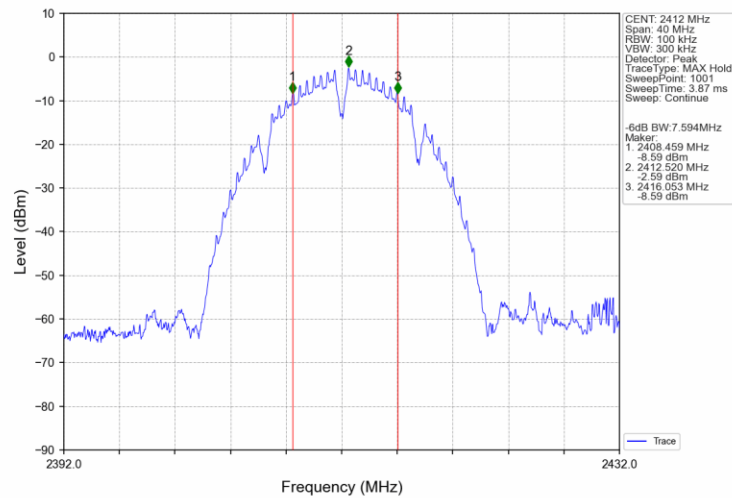
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



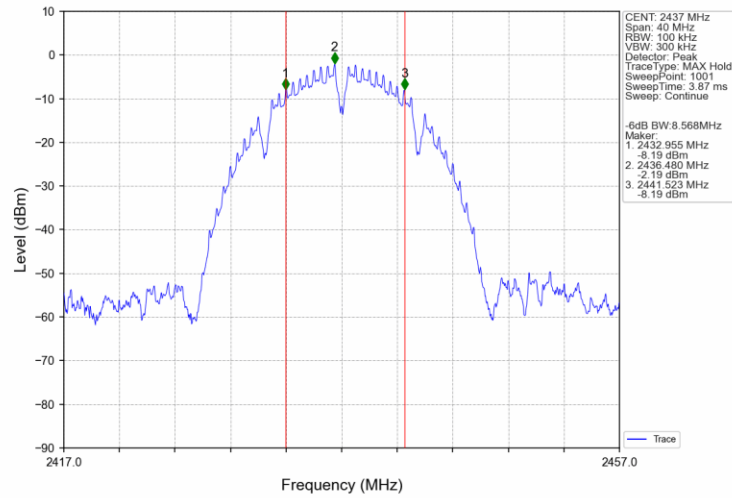
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



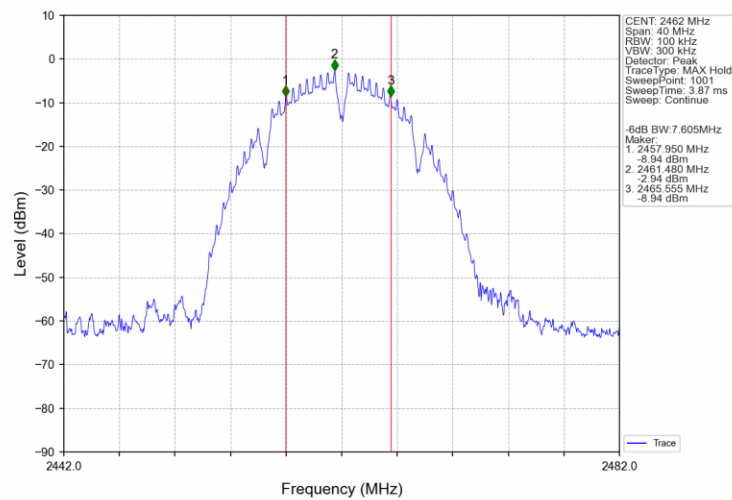
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



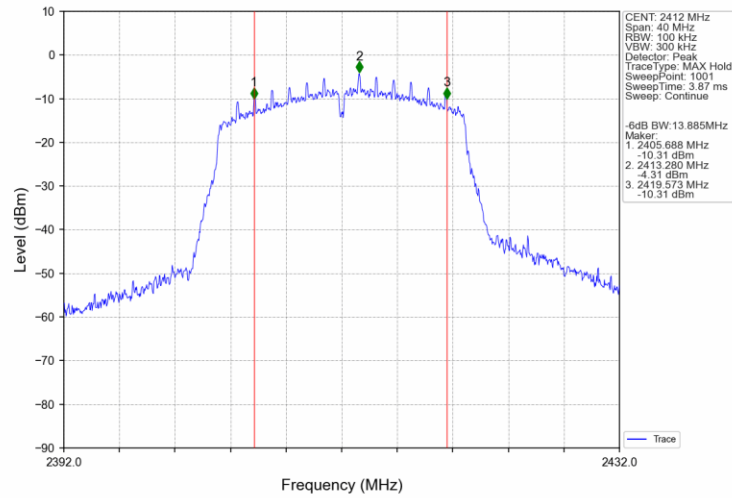
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



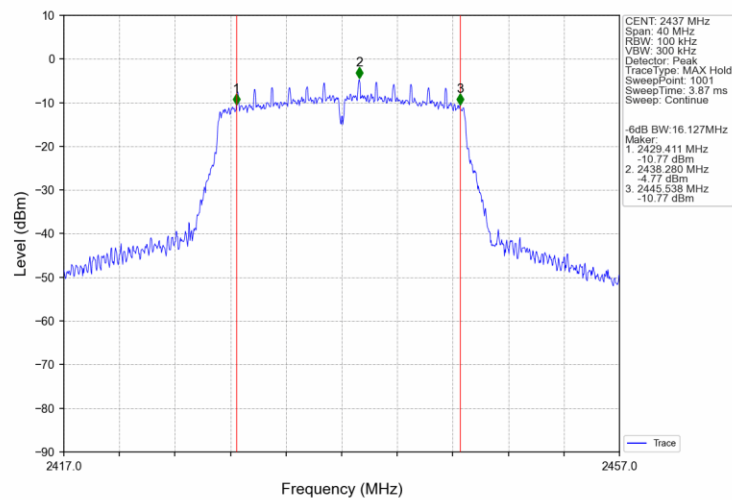
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



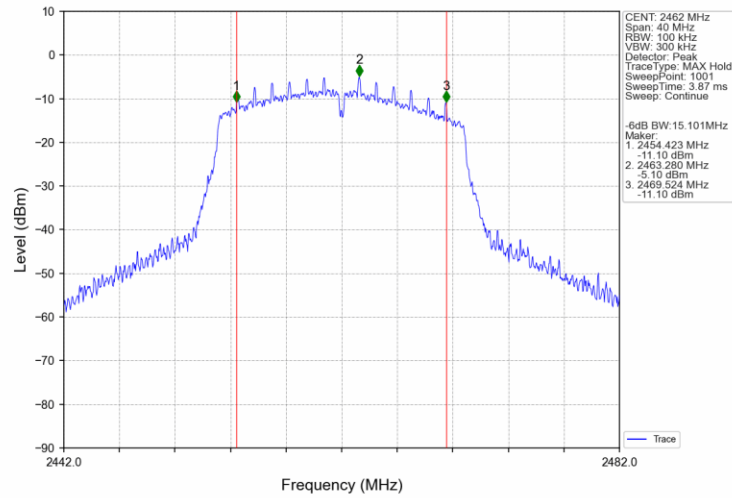
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



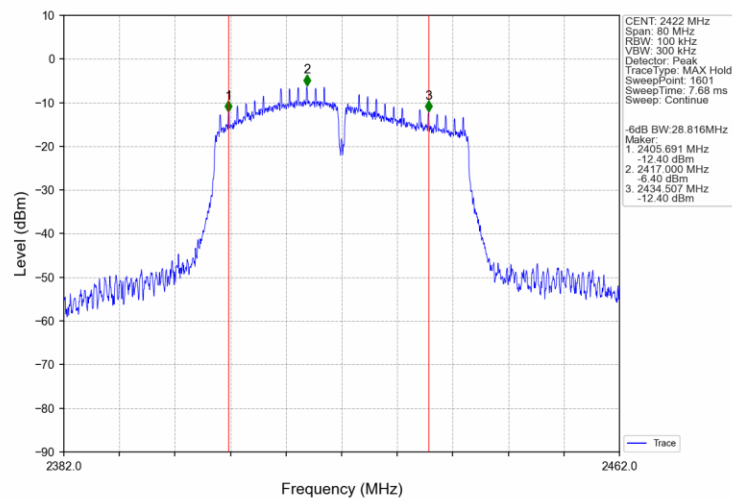
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



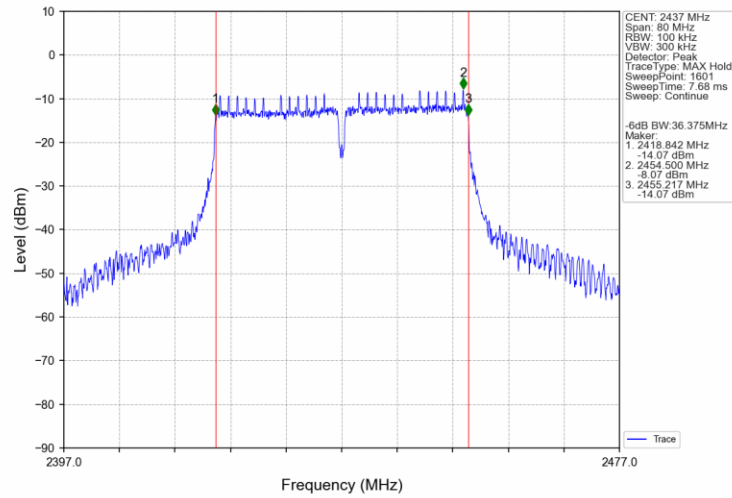
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



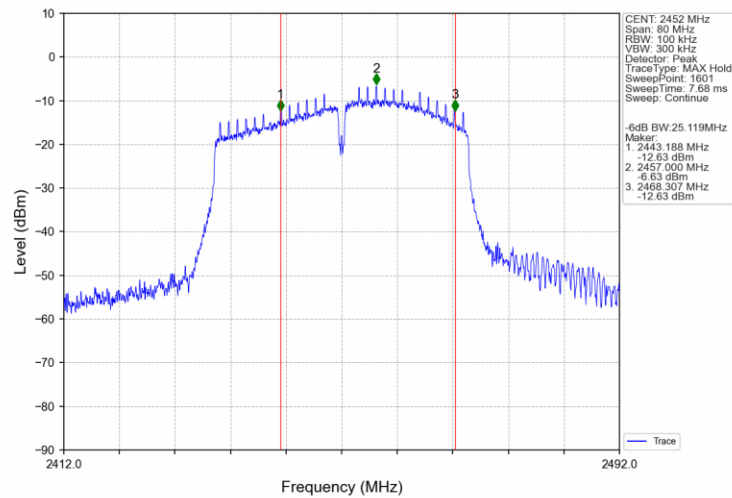
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



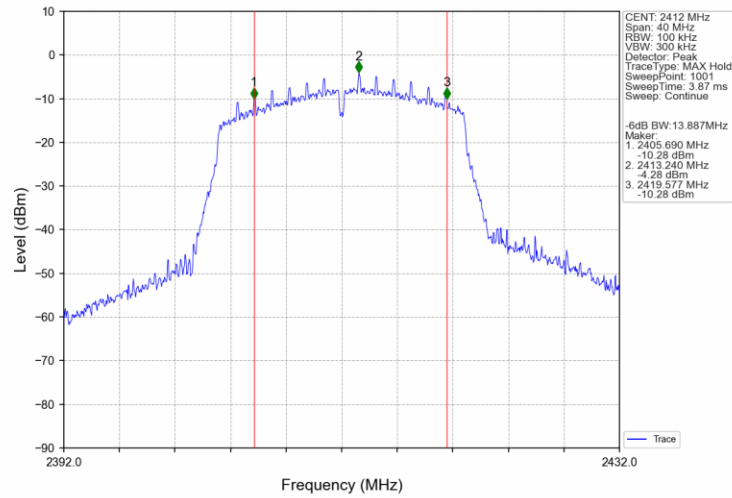
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



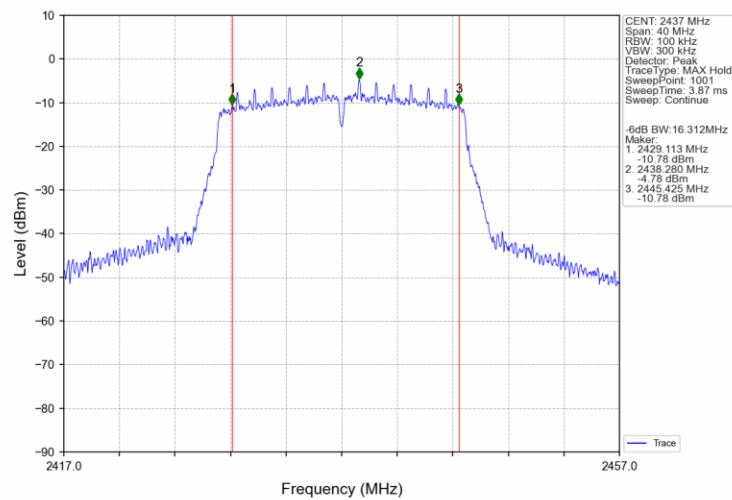
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



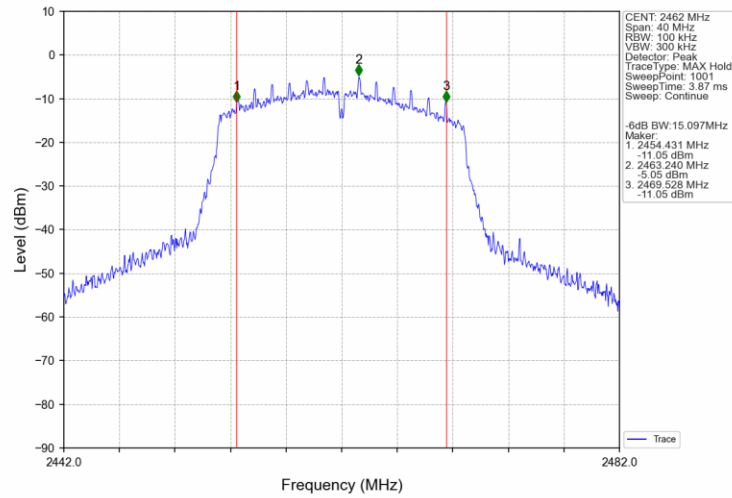
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



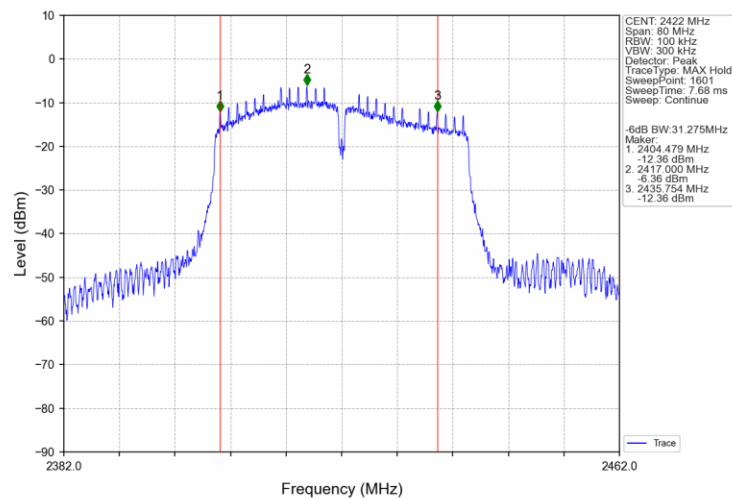
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



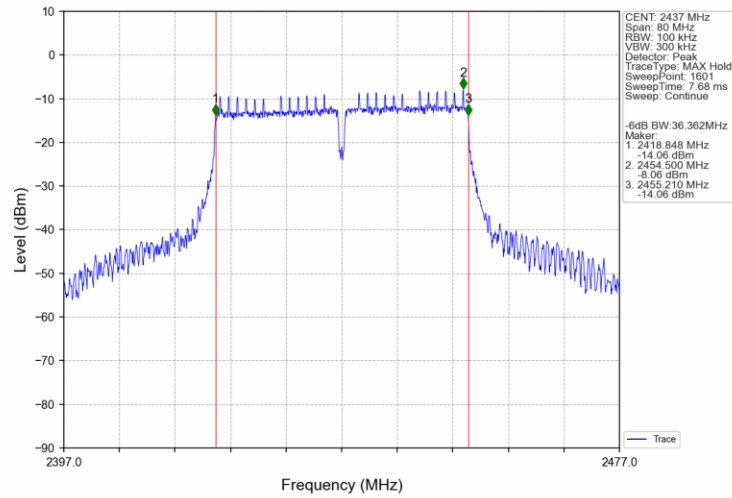
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



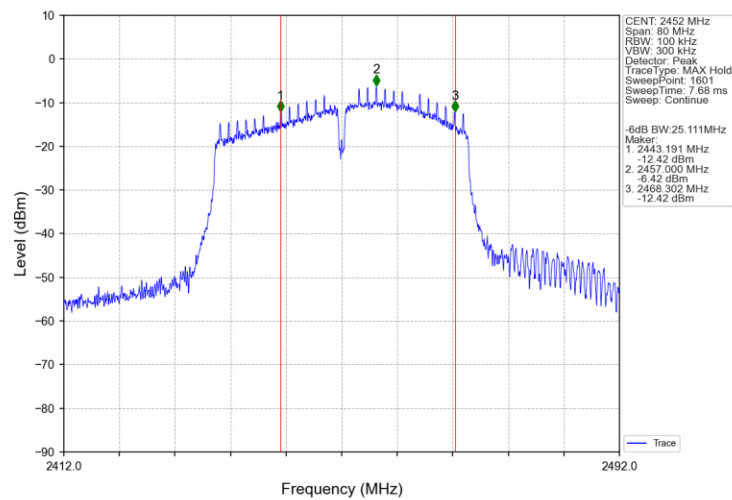
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



3. Bandwidth

3.1 Test Result

3.1.1 OBW

ANT2

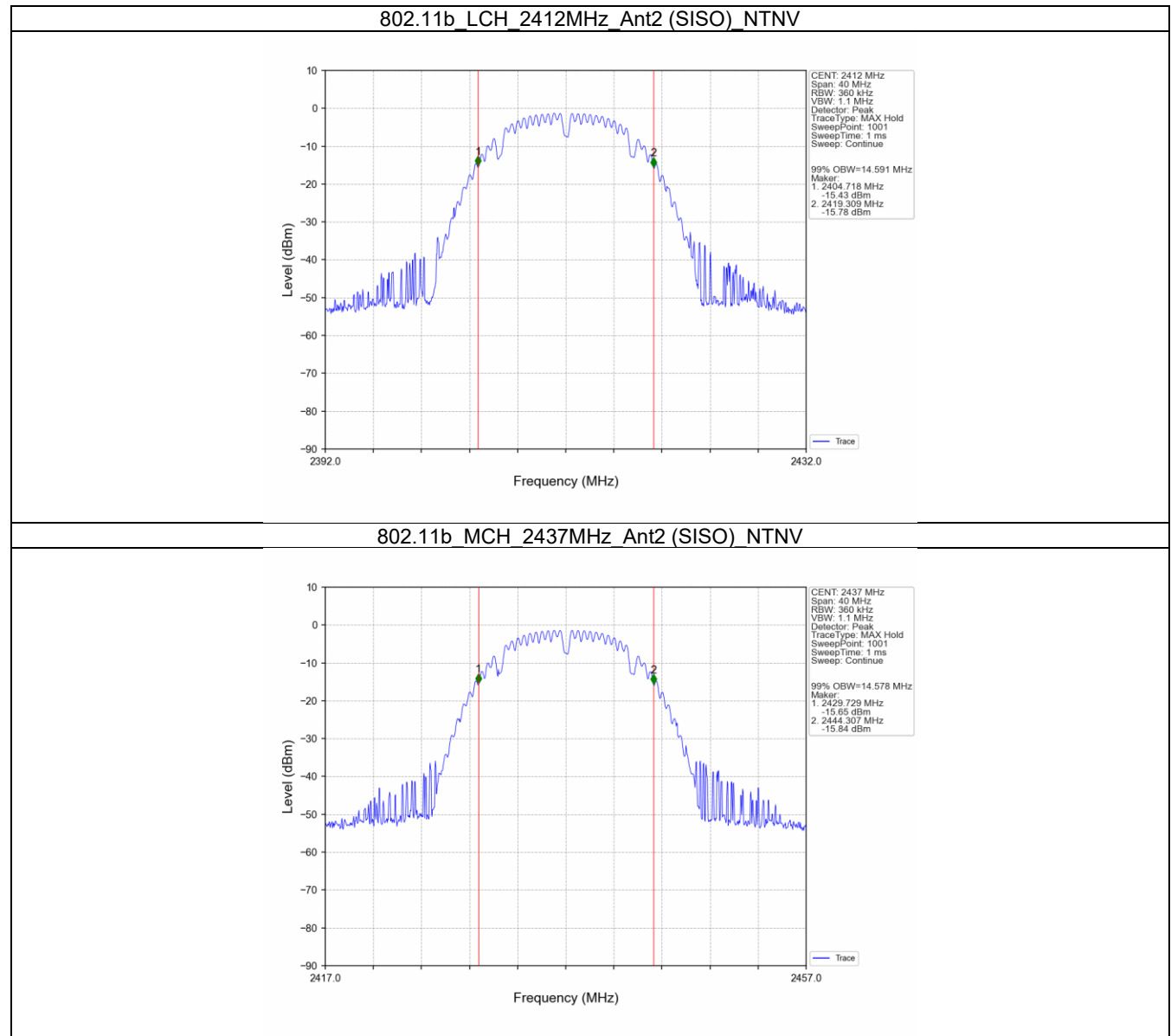
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	14.591	/	Pass
		2437	2	14.578	/	Pass
		2462	2	14.596	/	Pass
802.11g	SISO	2412	2	17.228	/	Pass
		2437	2	17.267	/	Pass
		2462	2	17.211	/	Pass
802.11n (HT20)	SISO	2412	2	18.277	/	Pass
		2437	2	18.197	/	Pass
		2462	2	18.407	/	Pass
802.11n (HT40)	SISO	2422	2	36.542	/	Pass
		2437	2	36.367	/	Pass
		2452	2	36.535	/	Pass

3.1.2 6dB BW

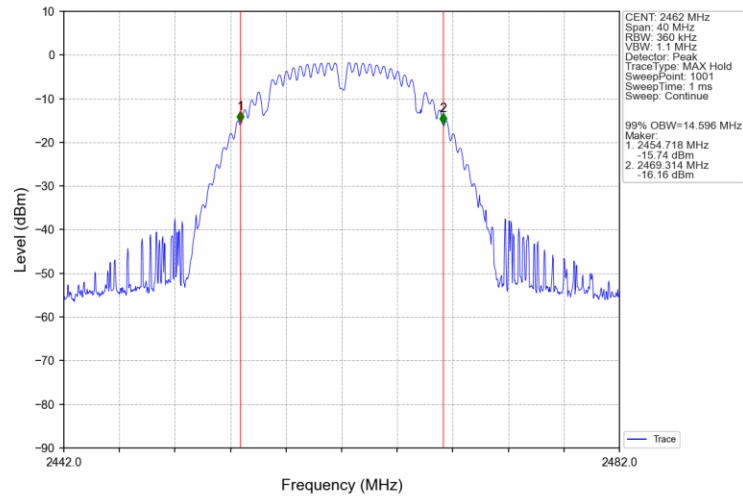
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	10.145	≥ 0.5	Pass
		2437	2	10.140	≥ 0.5	Pass
		2462	2	10.136	≥ 0.5	Pass
802.11g	SISO	2412	2	16.325	≥ 0.5	Pass
		2437	2	15.823	≥ 0.5	Pass
		2462	2	15.768	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	2	16.310	≥ 0.5	Pass
		2437	2	15.500	≥ 0.5	Pass
		2462	2	16.273	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	2	35.174	≥ 0.5	Pass
		2437	2	35.164	≥ 0.5	Pass
		2452	2	35.178	≥ 0.5	Pass

3.2 Test Graph

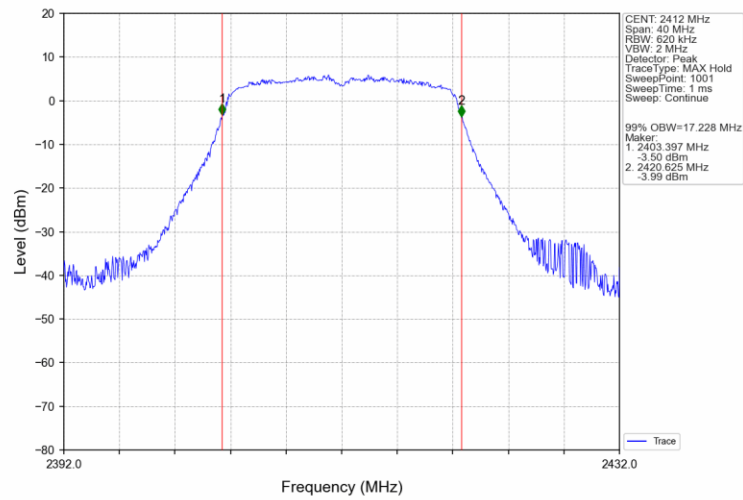
3.2.1 OBW



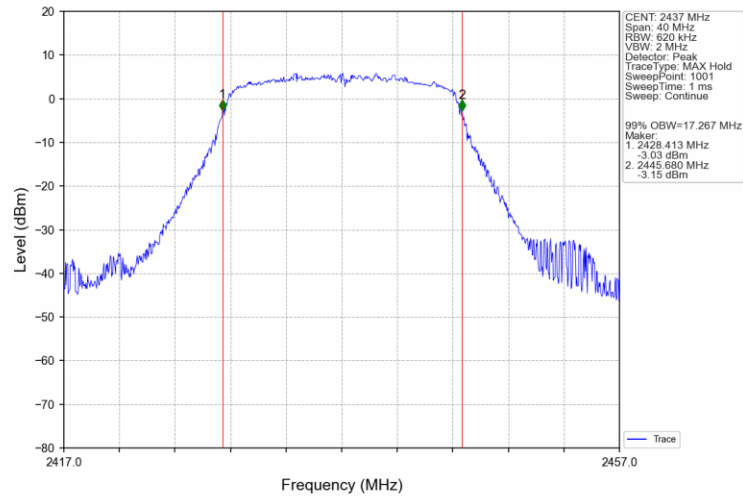
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



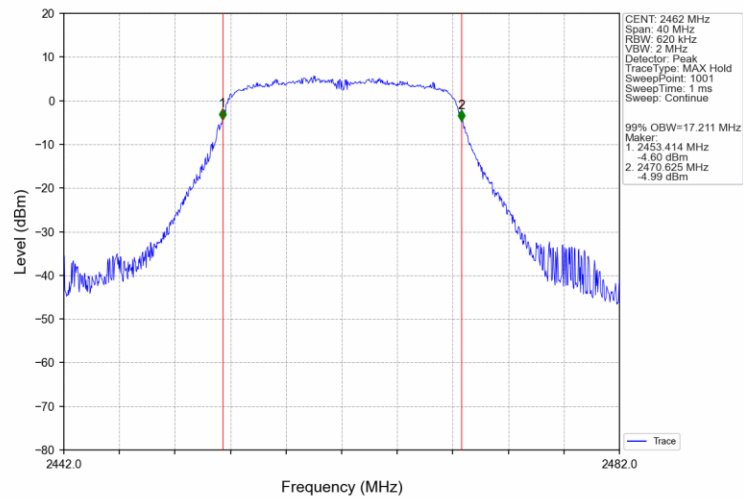
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



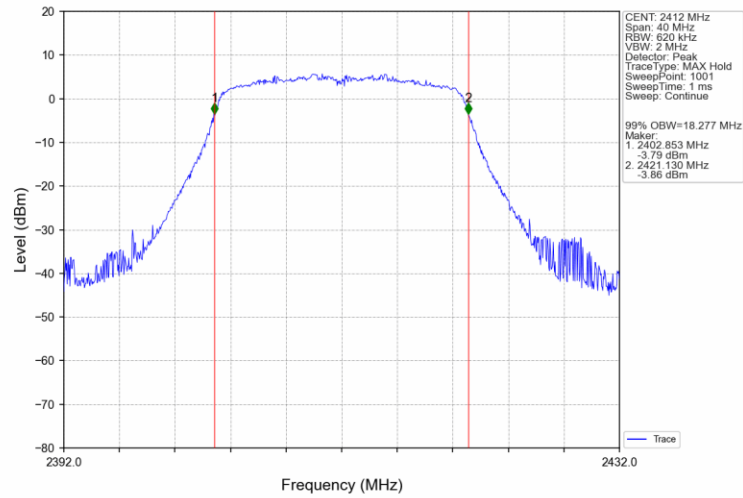
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



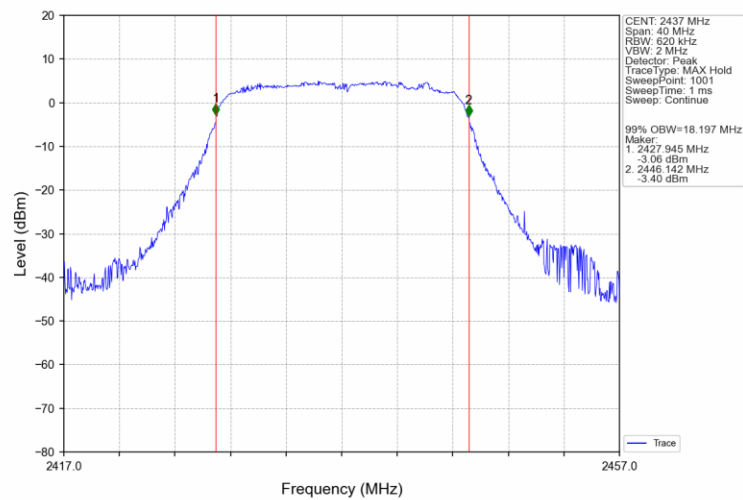
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



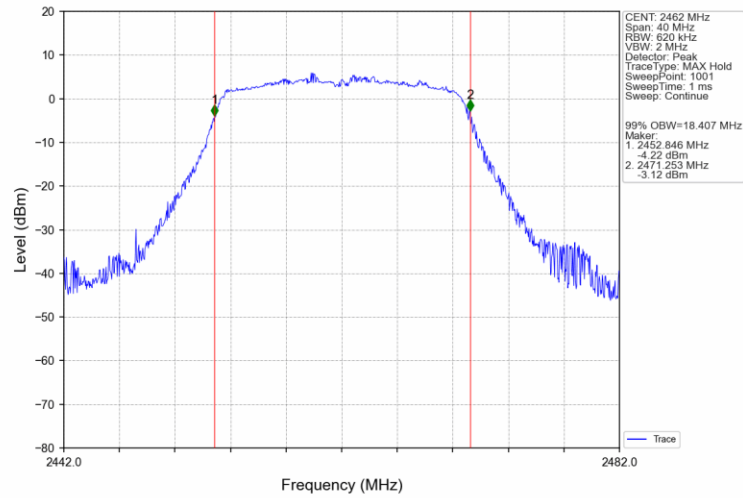
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



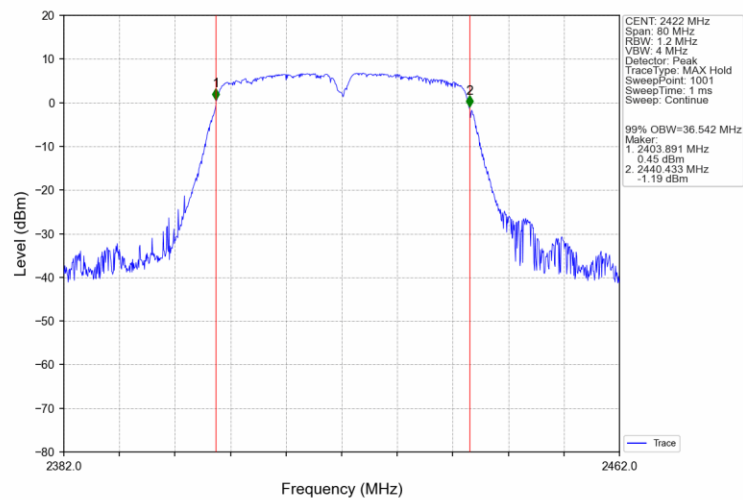
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



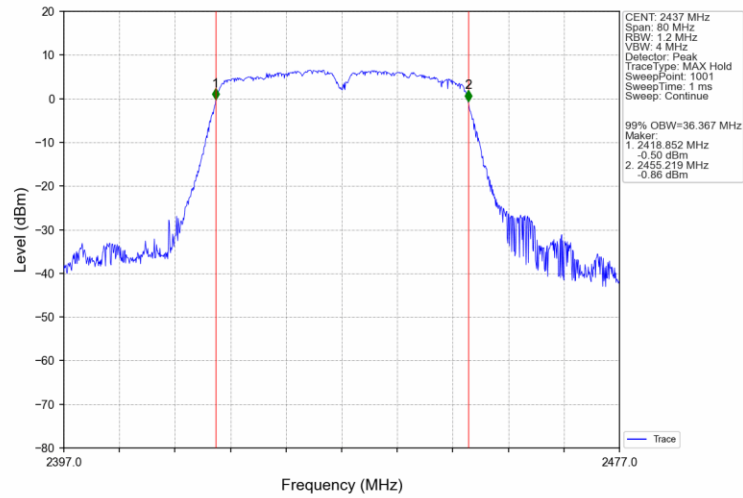
802.11n(HT20)_HCH_2462MHz_Ant2(SISO)_NTNV



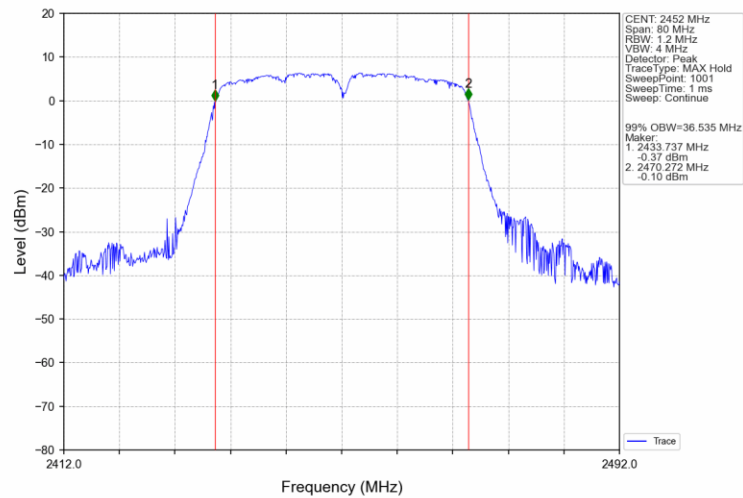
802.11n(HT40)_LCH_2422MHz_Ant2(SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV

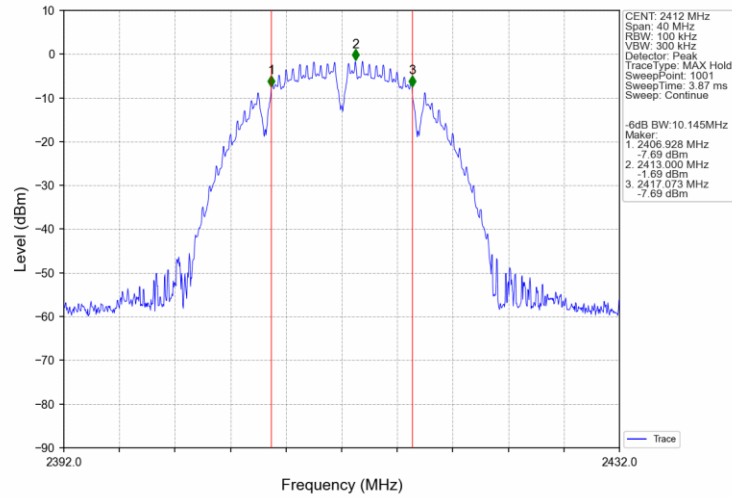


802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV

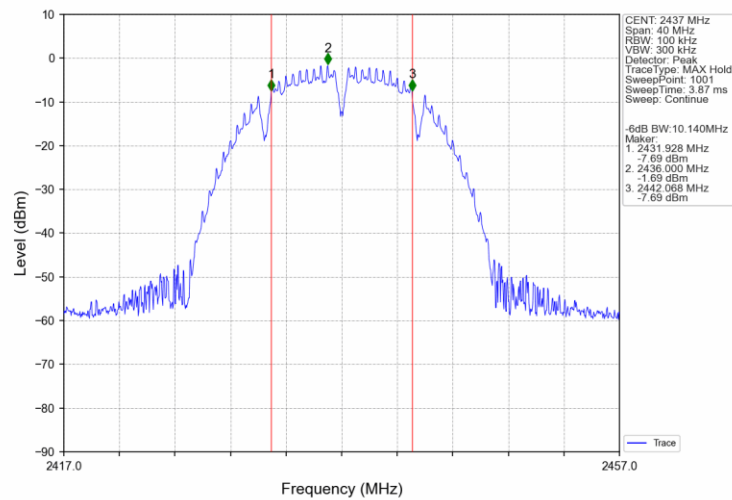


3.2.2 6dB BW

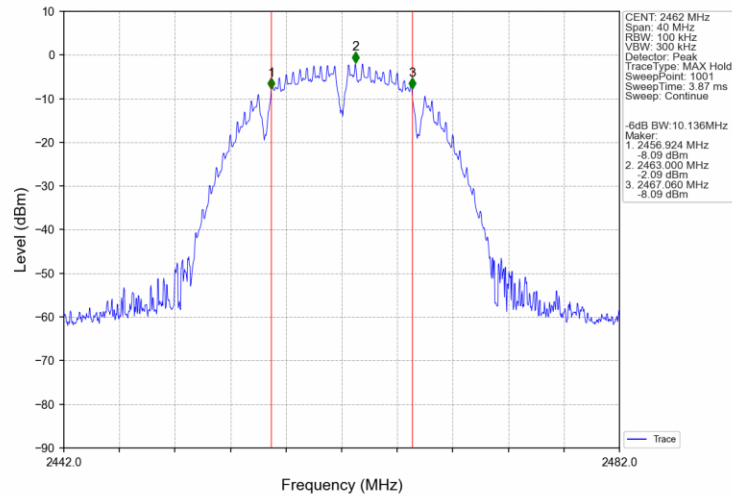
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



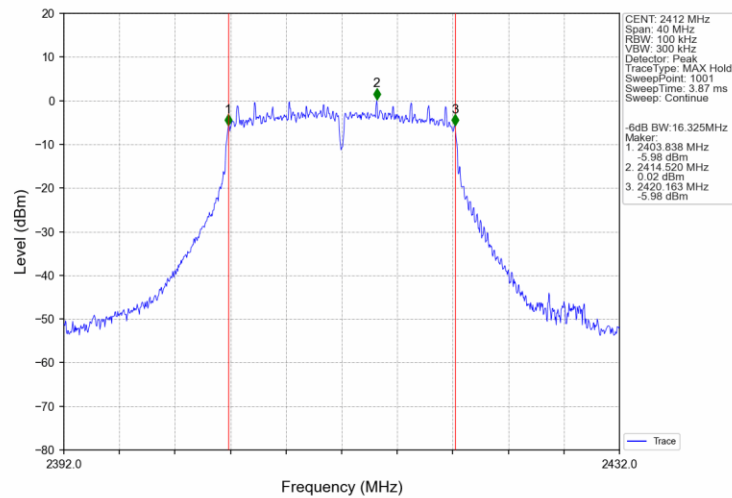
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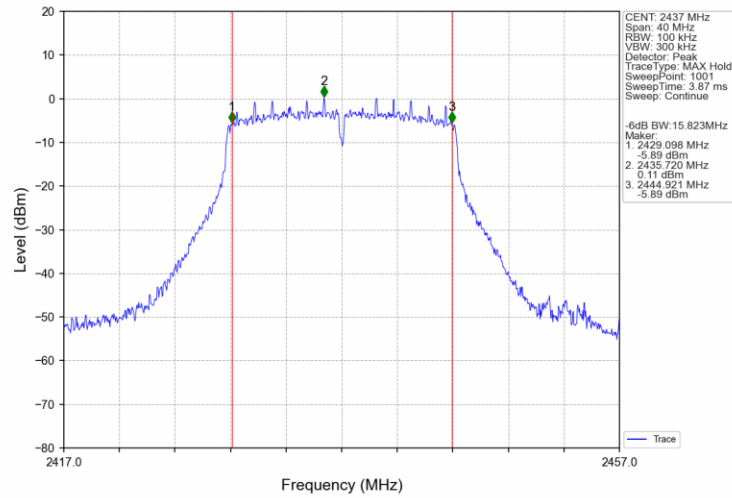
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

