

ANT1: Main antenna

ANT2: Secondary antenna

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	8.193	9.197	89.08	0.50	0.04
		2437	8.193	9.196	89.09	0.50	0.04
		2462	8.193	9.196	89.09	0.50	0.04
802.11g	SISO	2412	1.361	2.364	57.57	2.40	0.03
		2437	1.362	2.365	57.59	2.40	0.03
		2462	1.361	2.364	57.57	2.40	0.03
802.11n (HT20)	SISO	2412	1.273	2.276	55.93	2.52	0.04
		2437	1.273	2.276	55.93	2.52	0.04
		2462	1.274	2.277	55.95	2.52	0.04
802.11n (HT40)	SISO	2422	0.633	1.636	38.69	4.12	0.03
		2437	0.634	1.637	38.73	4.12	0.03
		2452	0.633	1.636	38.69	4.12	0.03

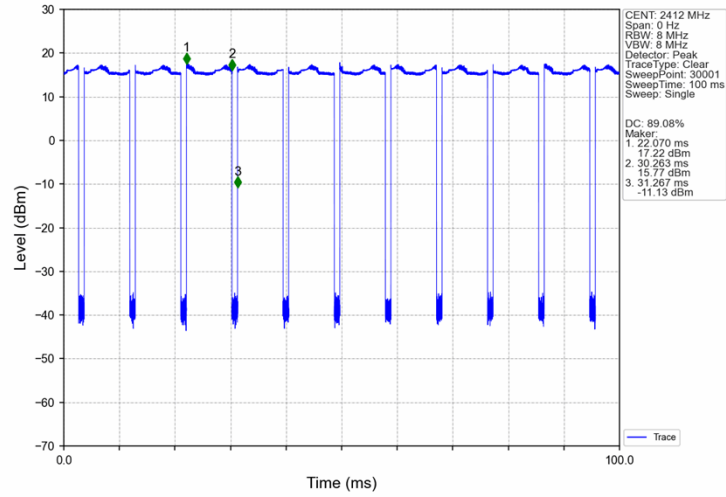
1.1.2 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.387	8.597	97.56	0.11	0.42
		2437	8.387	8.640	97.07	0.13	0.91
		2462	8.383	8.640	97.03	0.13	0.95
802.11g	SISO	2412	1.393	1.689	82.47	0.84	6.64
		2437	1.393	1.590	87.61	0.57	1.52
		2462	1.393	1.689	82.47	0.84	6.64
802.11n (HT20)	SISO	2412	1.175	1.427	82.34	0.84	5.55
		2437	1.174	1.426	82.33	0.84	4.98
		2462	1.174	1.353	86.77	0.62	0.58
802.11n (HT40)	SISO	2422	0.587	0.882	66.55	1.77	12.01
		2437	0.587	0.865	67.86	1.68	10.63
		2452	0.588	0.838	70.17	1.54	7.52

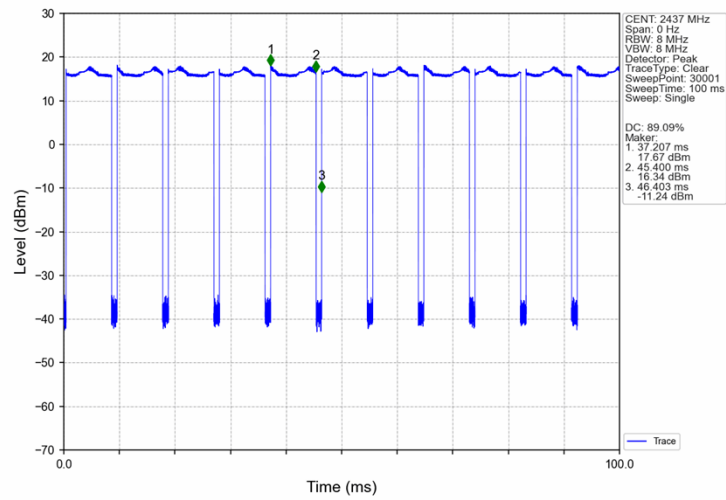
1.2 Test Graph

1.2.1 Ant1

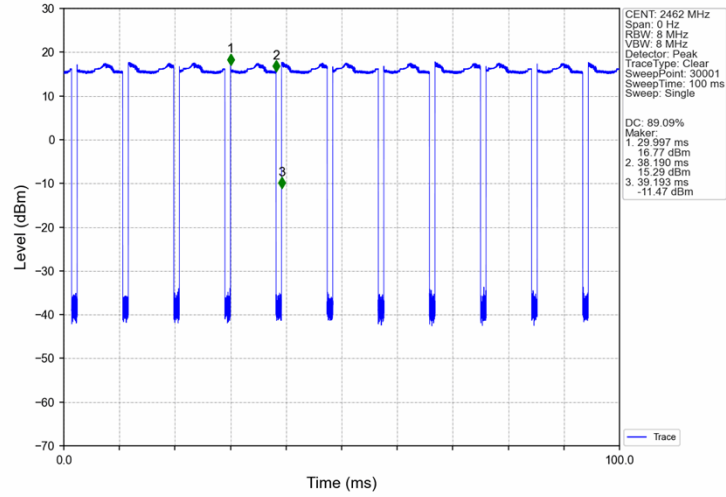
802.11b_LCH_2412MHz_Ant1 (SISO) NTN



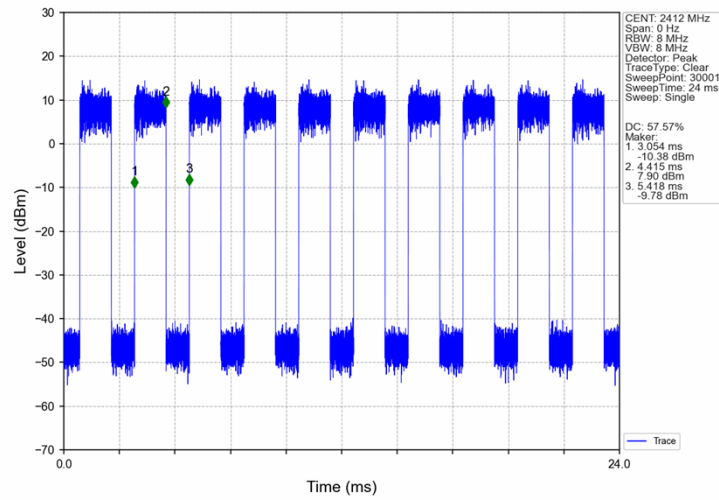
802.11b_MCH_2437MHz_Ant1 (SISO) NTN



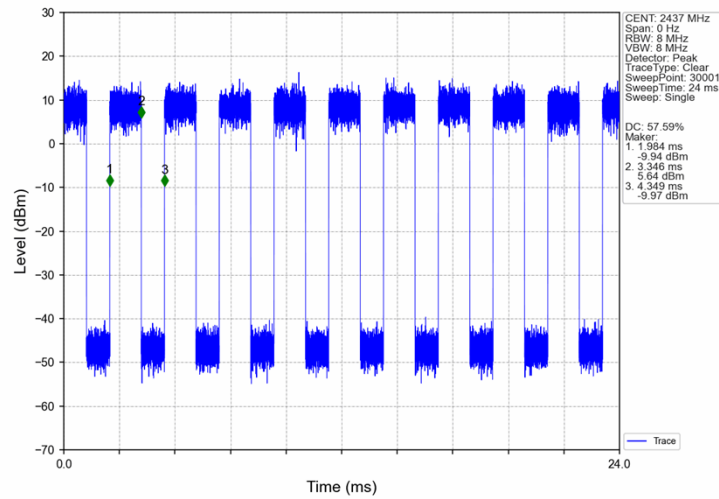
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



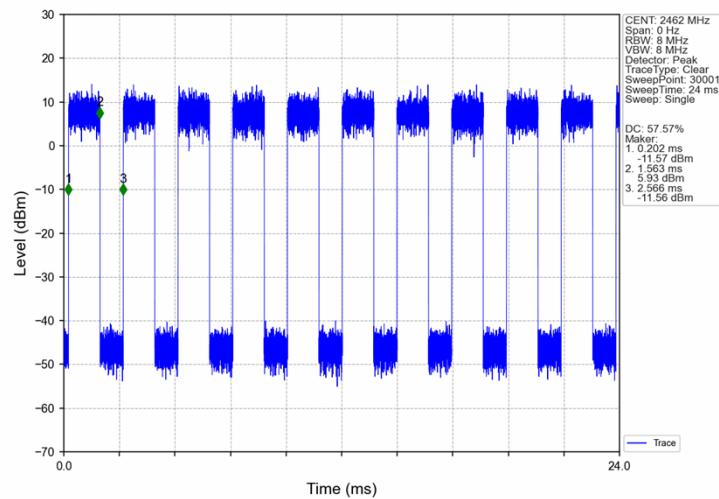
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



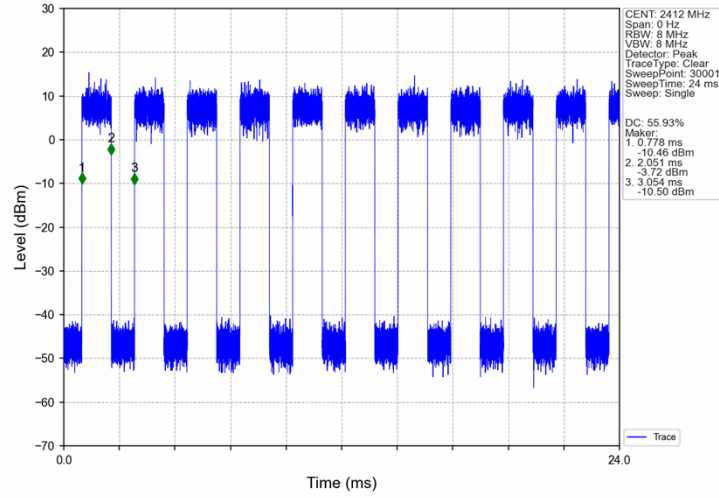
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



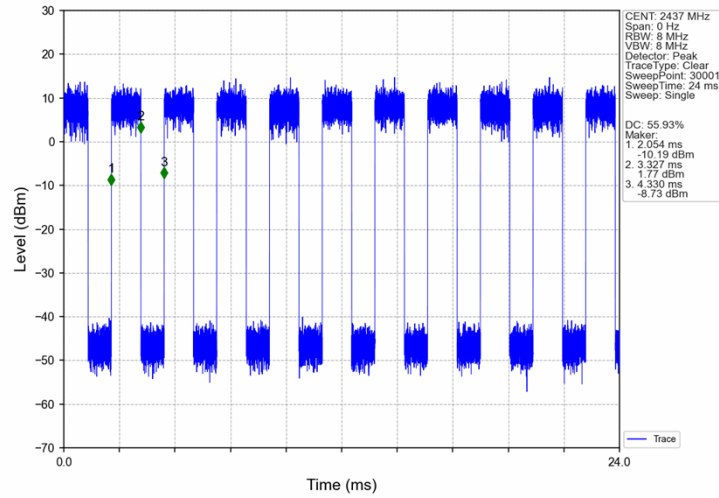
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



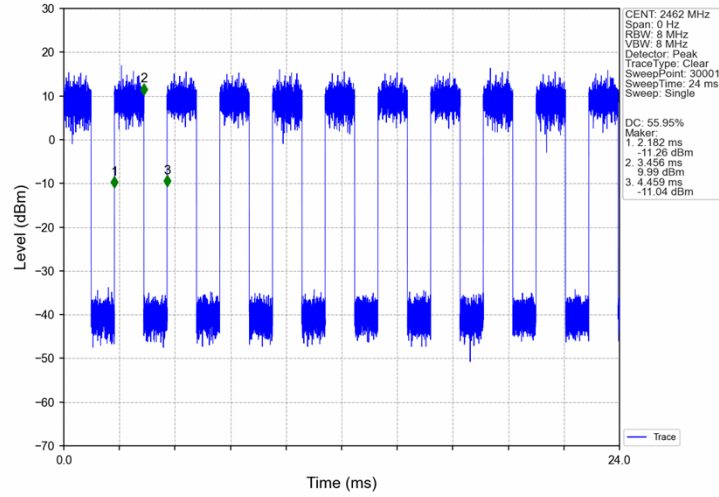
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



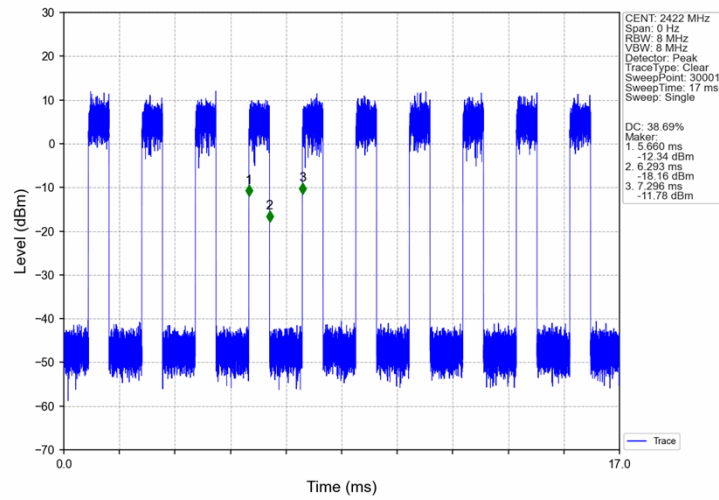
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



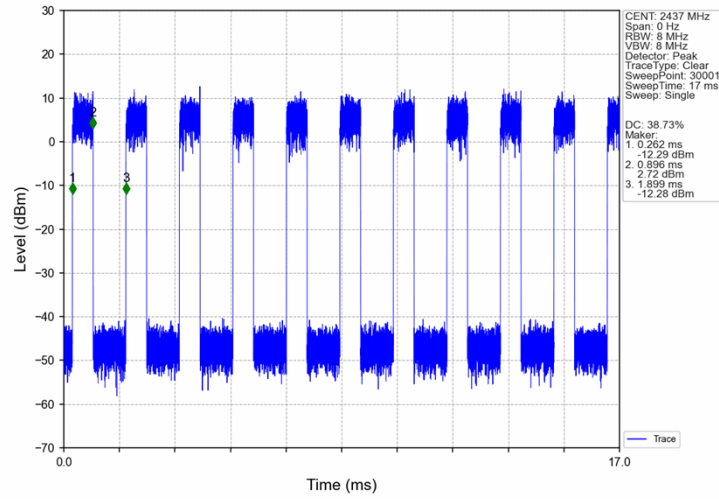
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



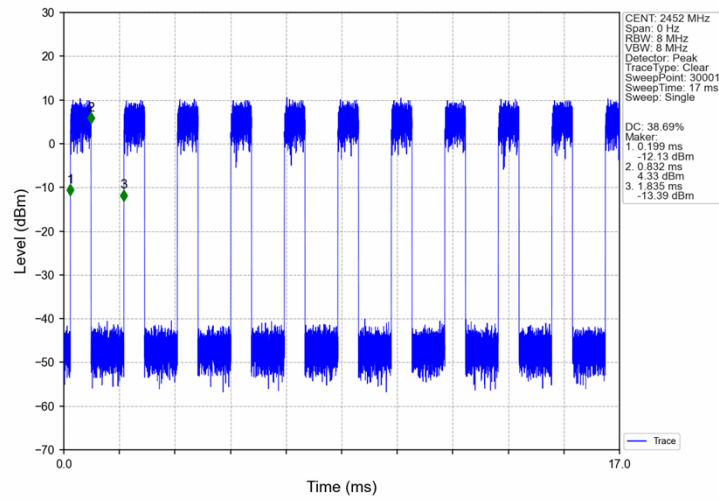
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

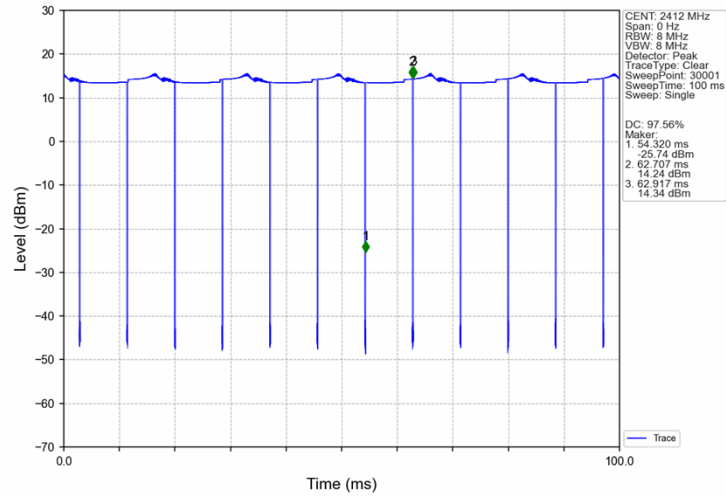


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

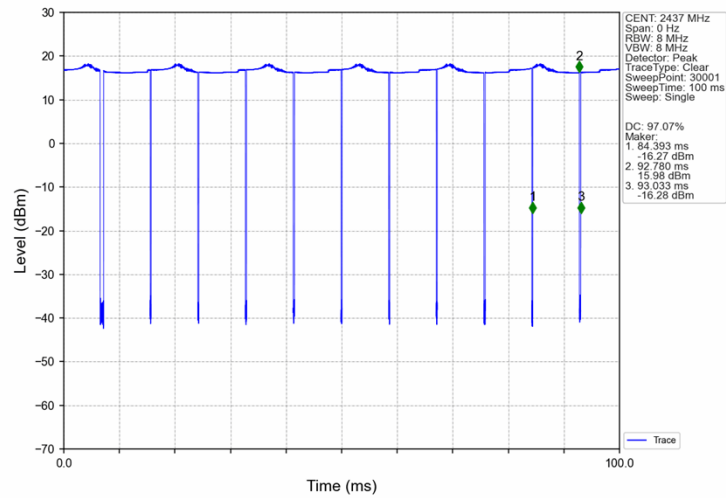


1.2.2 Ant2

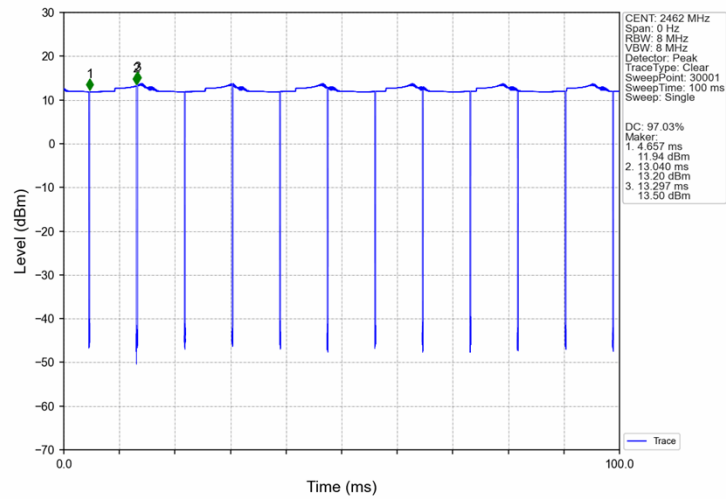
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



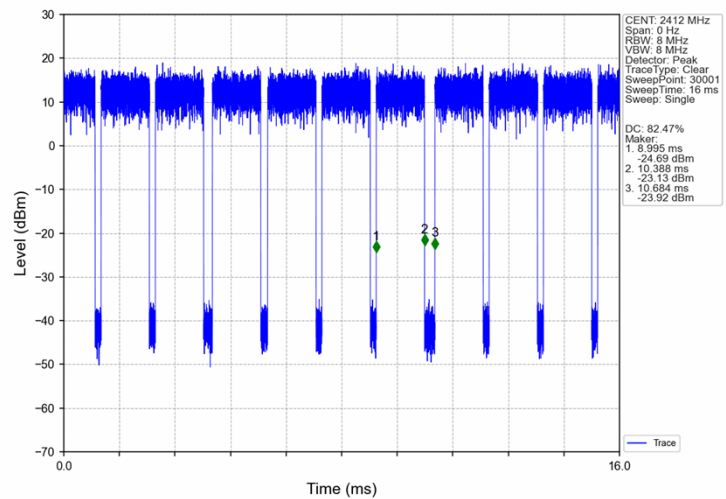
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



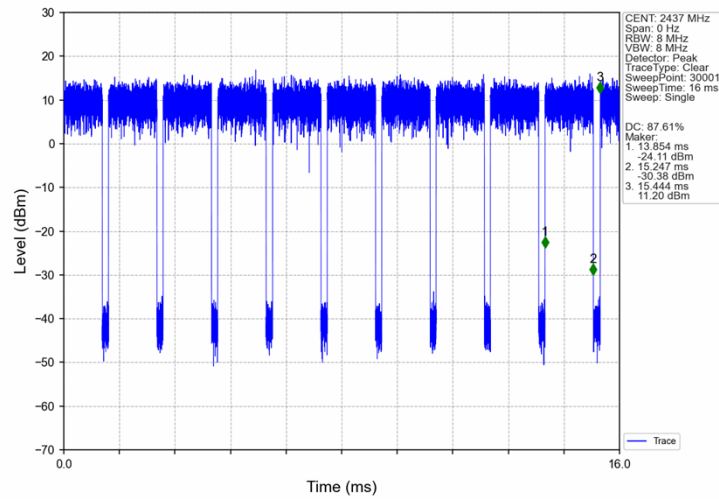
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



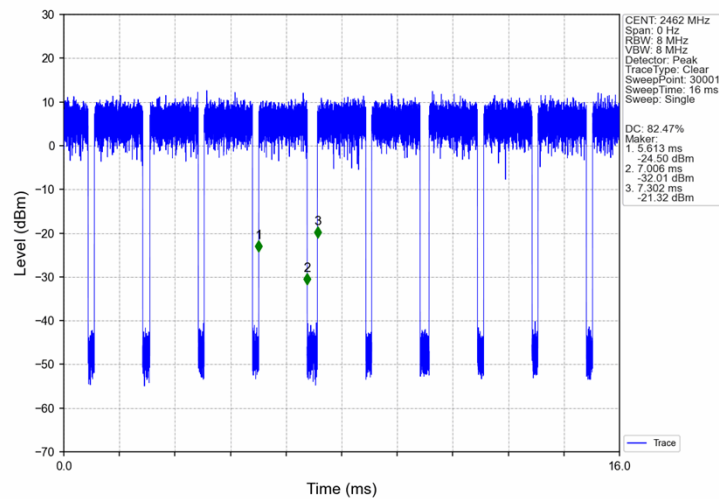
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



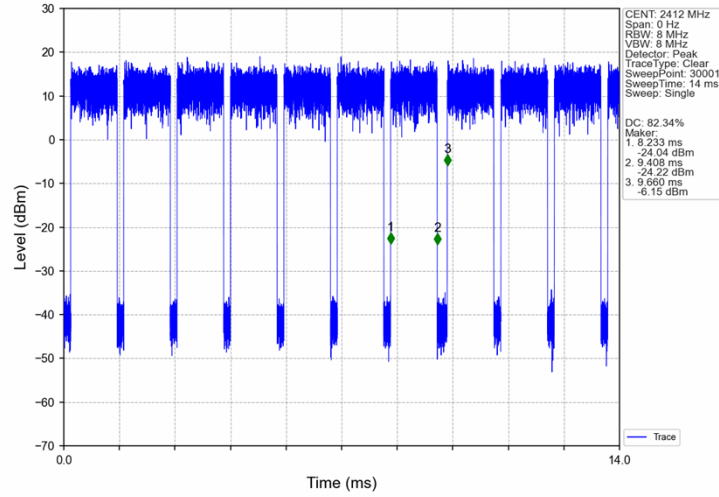
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



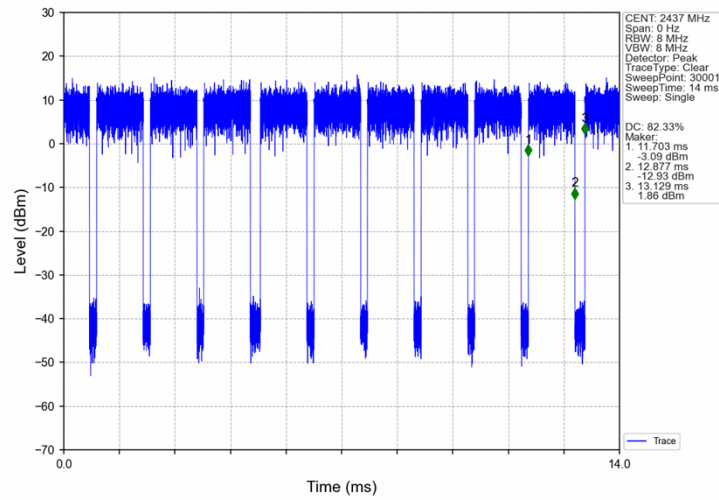
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



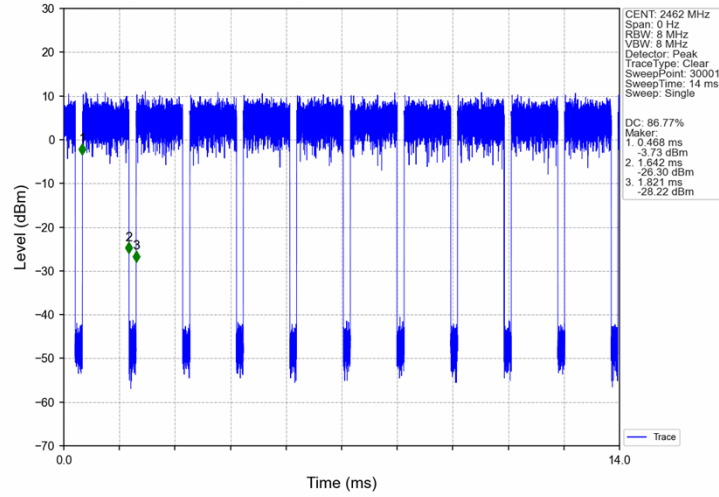
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



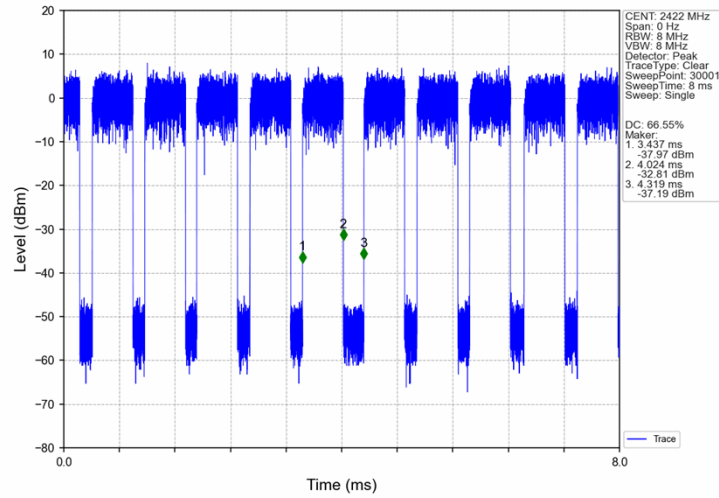
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



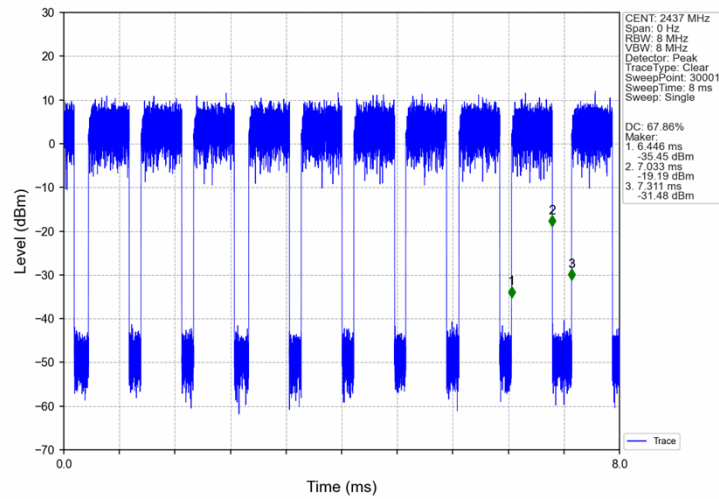
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



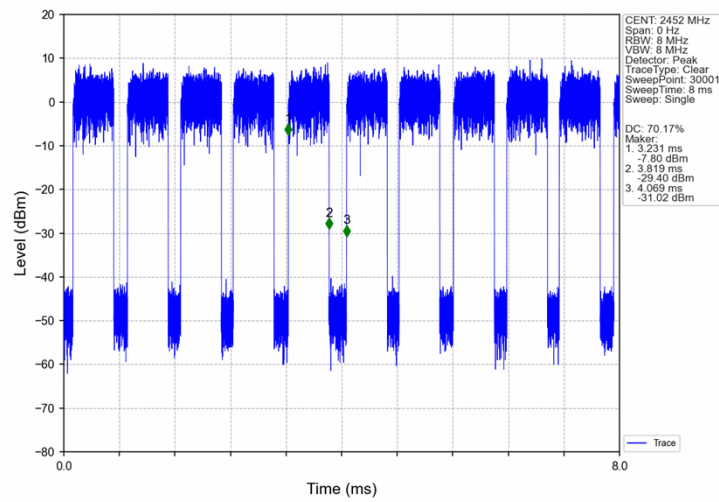
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



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	14.969	/	Pass
			2	11.916	/	Pass
		2437	1	14.985	/	Pass
			2	11.996	/	Pass
		2462	1	15.007	/	Pass
			2	12.008	/	Pass
802.11g	SISO	2412	1	17.371	/	Pass
			2	17.413	/	Pass
		2437	1	17.521	/	Pass
			2	17.199	/	Pass
		2462	1	17.488	/	Pass
			2	17.326	/	Pass
802.11n (HT20)	SISO	2412	1	18.356	/	Pass
			2	18.242	/	Pass
		2437	1	18.337	/	Pass
			2	17.899	/	Pass
		2462	1	18.266	/	Pass
			2	18.149	/	Pass
802.11n (HT40)	SISO	2422	1	36.801	/	Pass
			2	36.776	/	Pass
		2437	1	36.751	/	Pass
			2	36.407	/	Pass
		2452	1	36.998	/	Pass
			2	36.838	/	Pass

2.1.2 6dB BW

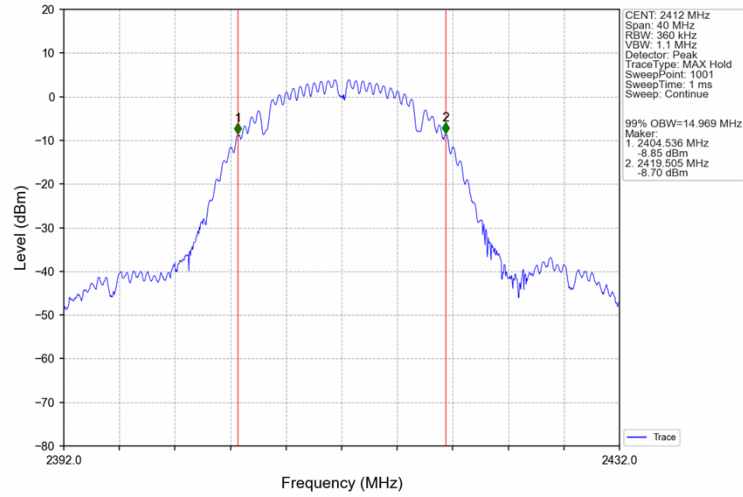
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.133	≥ 0.5	Pass
			2	10.076	≥ 0.5	Pass
		2437	1	10.126	≥ 0.5	Pass
			2	10.007	≥ 0.5	Pass
		2462	1	10.132	≥ 0.5	Pass
			2	10.087	≥ 0.5	Pass
802.11g	SISO	2412	1	16.363	≥ 0.5	Pass
			2	16.366	≥ 0.5	Pass
		2437	1	16.360	≥ 0.5	Pass
			2	16.305	≥ 0.5	Pass
		2462	1	16.321	≥ 0.5	Pass
			2	16.366	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.167	≥ 0.5	Pass
			2	17.130	≥ 0.5	Pass
		2437	1	17.099	≥ 0.5	Pass
			2	16.645	≥ 0.5	Pass
		2462	1	16.857	≥ 0.5	Pass
			2	16.857	≥ 0.5	Pass

			2	16.871	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.356	≥ 0.5	Pass
			2	35.563	≥ 0.5	Pass
		2437	1	35.561	≥ 0.5	Pass
			2	35.186	≥ 0.5	Pass
		2452	1	35.532	≥ 0.5	Pass
			2	35.567	≥ 0.5	Pass

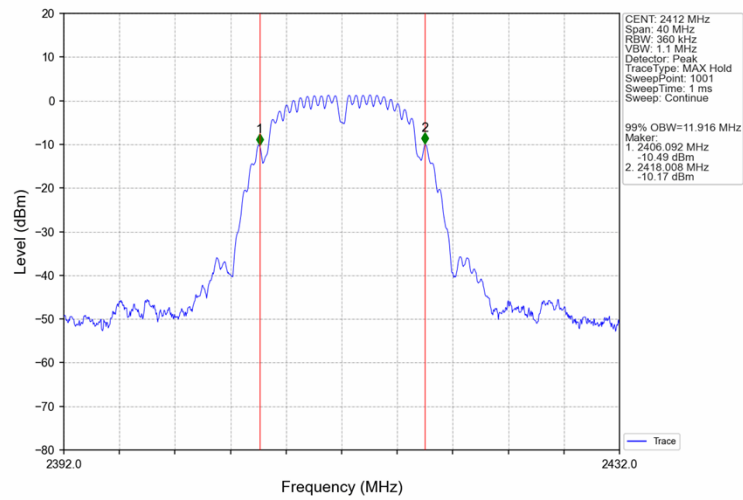
2.2 Test Graph

2.2.1 OBW

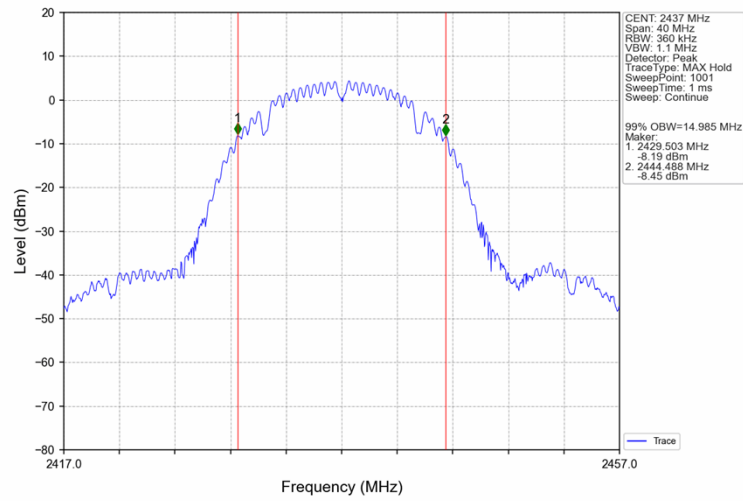
802.11b LCH 2412MHz_Ant1 (SISO) NTN



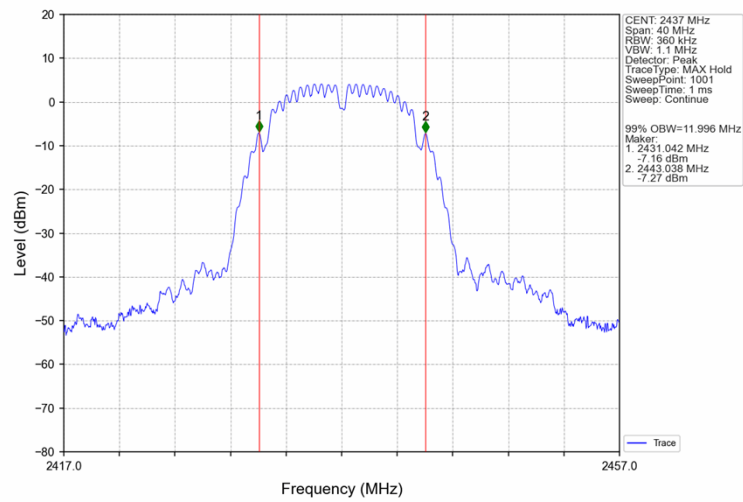
802.11b LCH 2412MHz_Ant2 (SISO) NTN



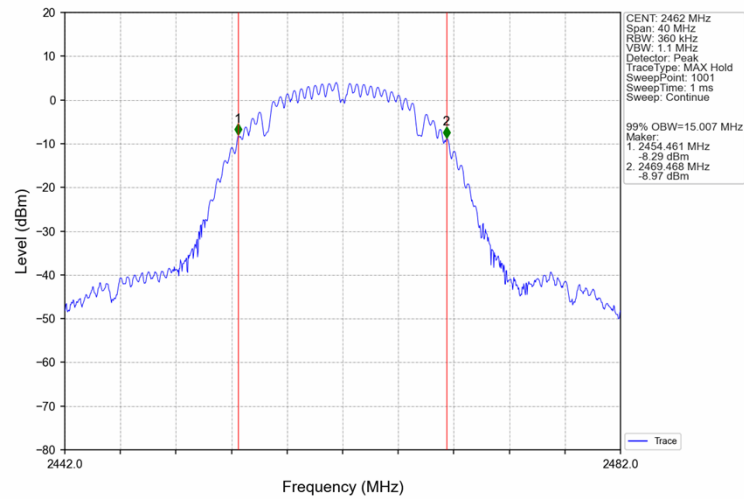
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



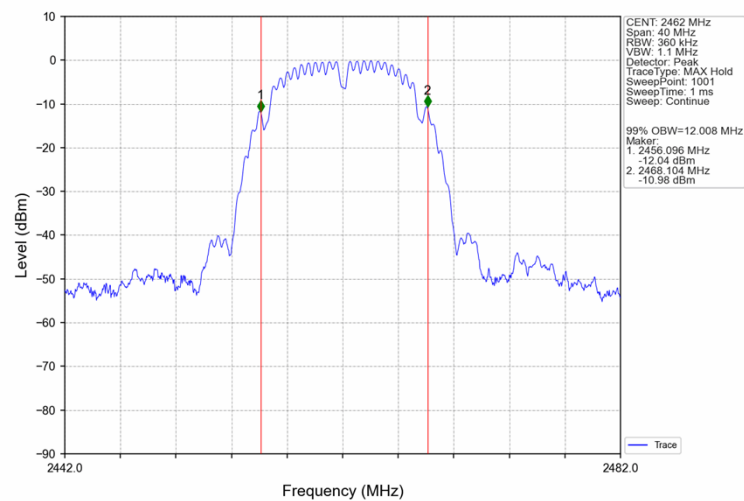
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



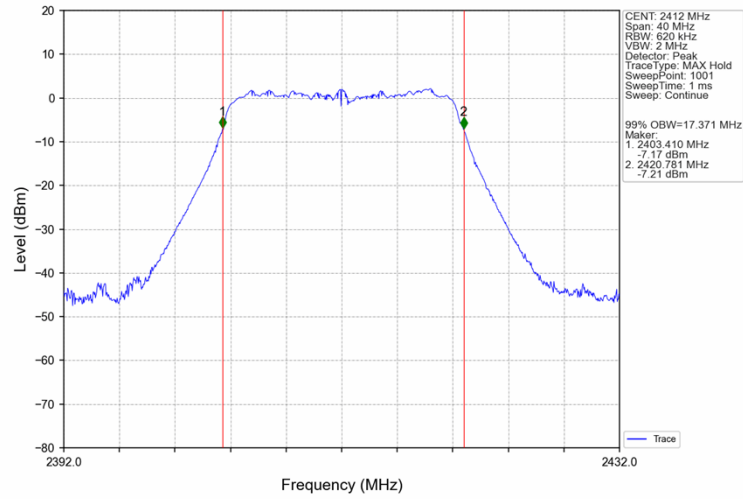
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



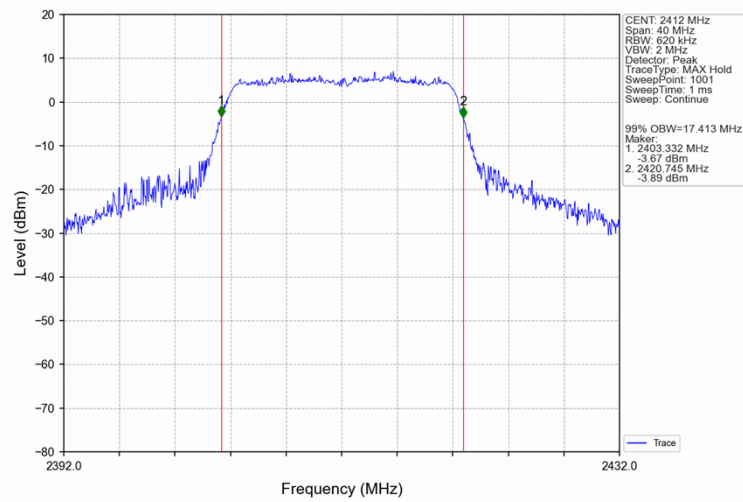
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



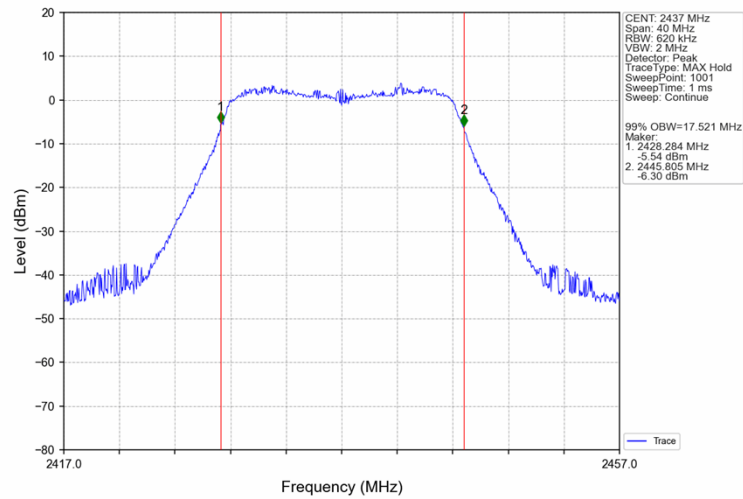
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV

