

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

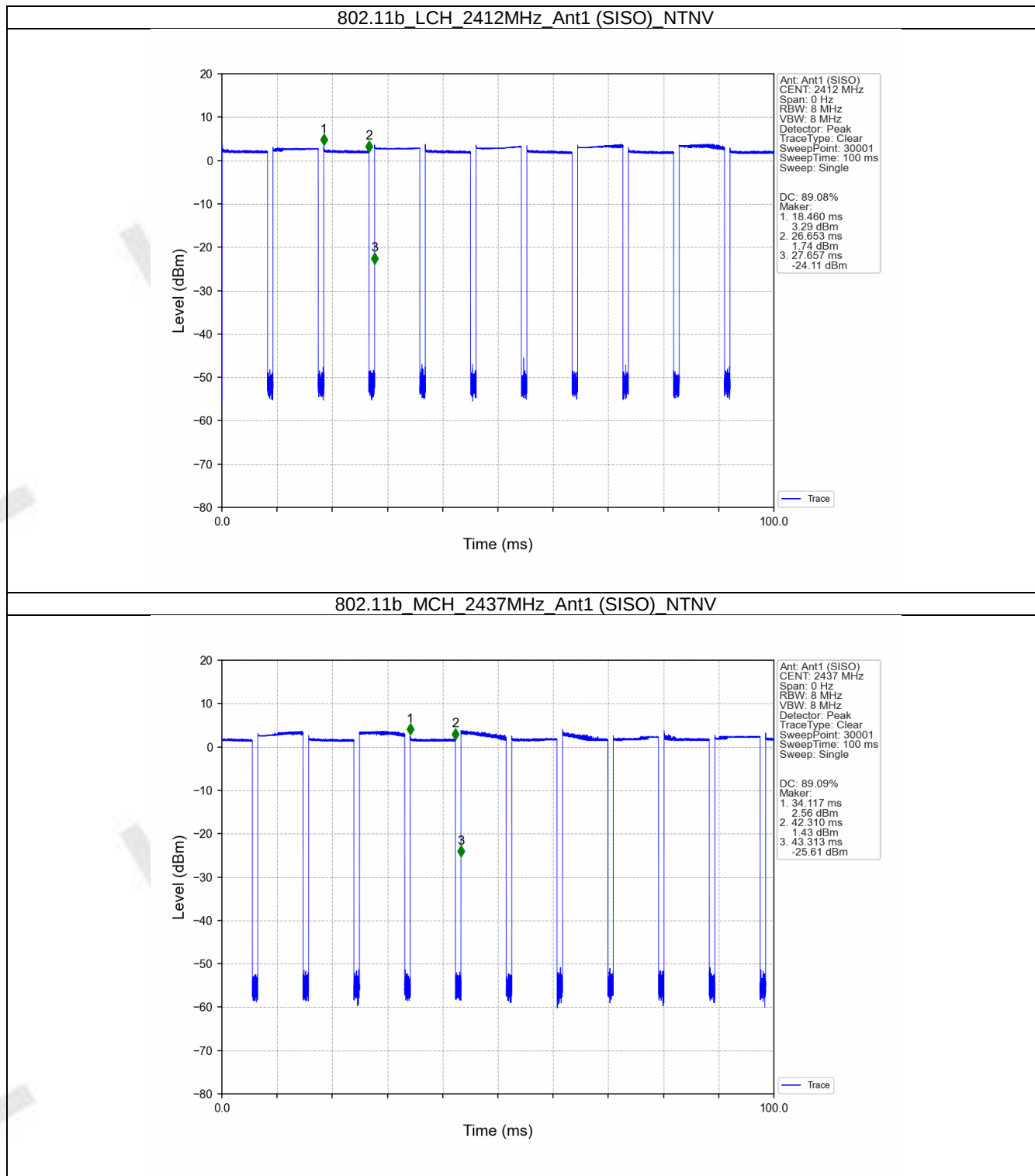
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.193	9.197	89.08	0.50	0.04
		2437	8.193	9.196	89.09	0.50	0.04
		2462	8.194	9.197	89.09	0.50	0.04
802.11g	SISO	2412	1.362	2.365	57.59	2.40	0.03
		2437	1.362	2.365	57.59	2.40	0.03
		2462	1.361	2.364	57.57	2.40	0.02
802.11n (HT20)	SISO	2412	1.274	2.277	55.95	2.52	0.04
		2437	1.274	2.277	55.95	2.52	0.02
		2462	1.274	2.277	55.95	2.52	0.04
802.11n (HT40)	SISO	2422	0.634	1.637	38.73	4.12	0.03
		2437	0.633	1.636	38.69	4.12	0.02
		2452	0.634	1.637	38.73	4.12	0.03

1.1.2 Ant2

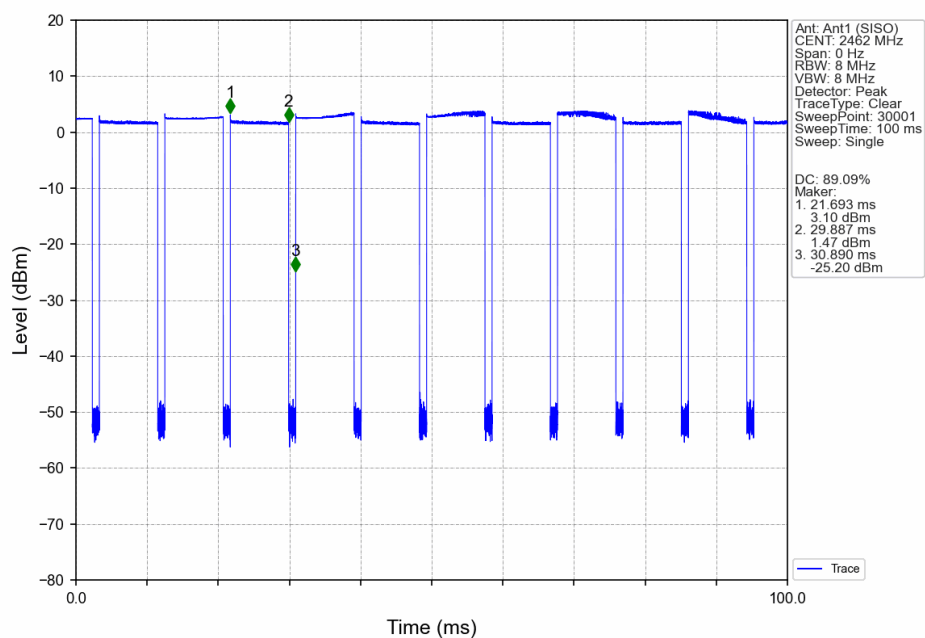
Ant2							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.194	9.197	89.09	0.50	0.04
		2437	8.193	9.197	89.08	0.50	0.04
		2462	8.193	9.197	89.08	0.50	0.04
802.11g	SISO	2412	1.362	2.365	57.59	2.40	0.03
		2437	1.362	2.365	57.59	2.40	0.03
		2462	1.361	2.365	57.55	2.40	0.03
802.11n (HT20)	SISO	2412	1.274	2.277	55.95	2.52	0.04
		2437	1.274	2.277	55.95	2.52	0.04
		2462	1.274	2.277	55.95	2.52	0.04
802.11n (HT40)	SISO	2422	0.634	1.637	38.73	4.12	0.03
		2437	0.633	1.636	38.69	4.12	0.02
		2452	0.633	1.636	38.69	4.12	0.03

1.2 Test Graph

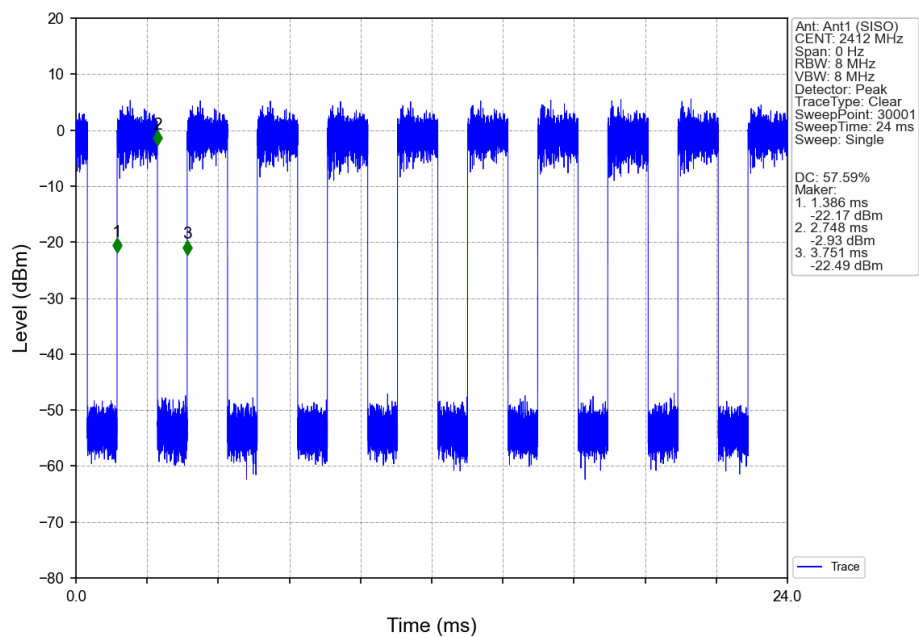
1.2.1 Ant1



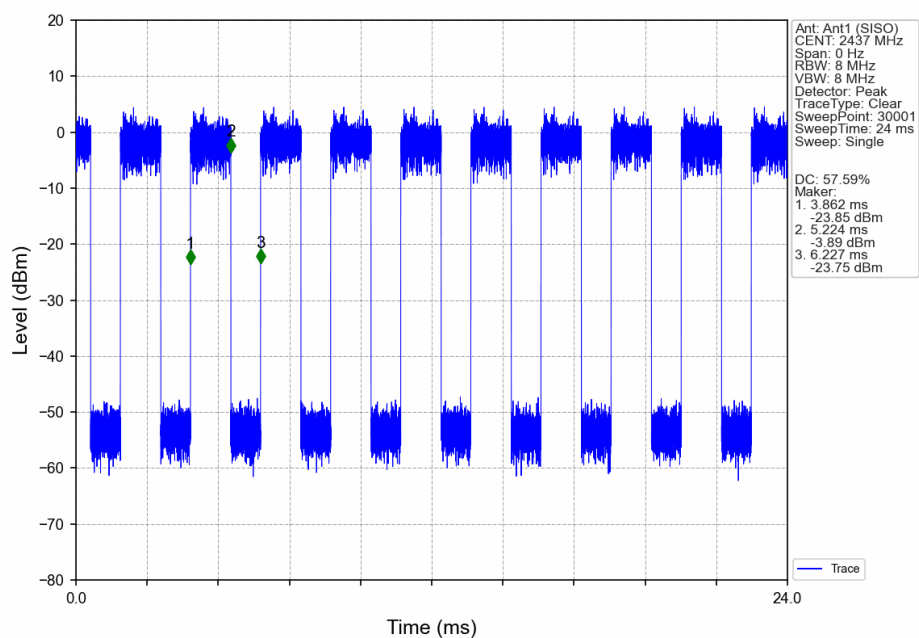
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



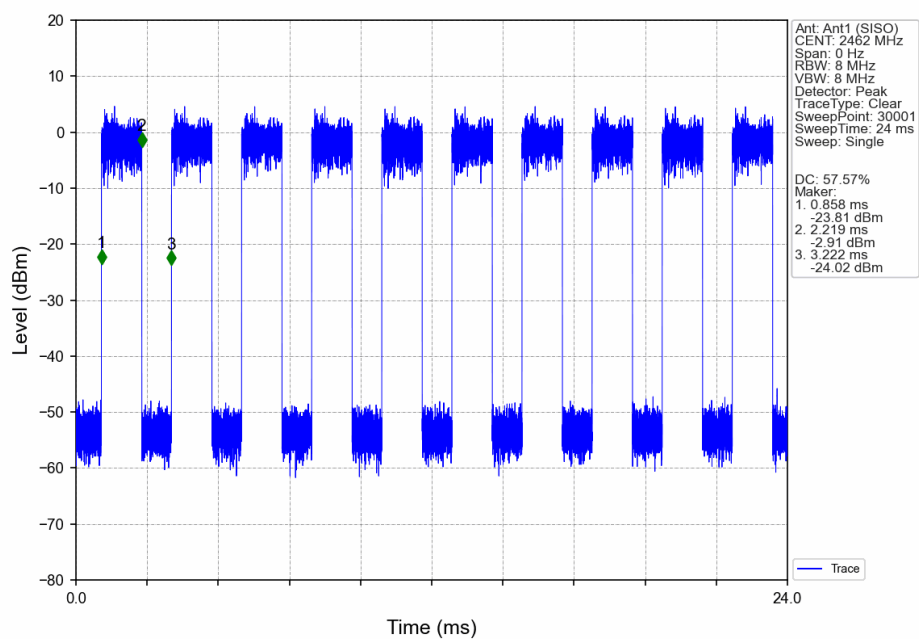
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



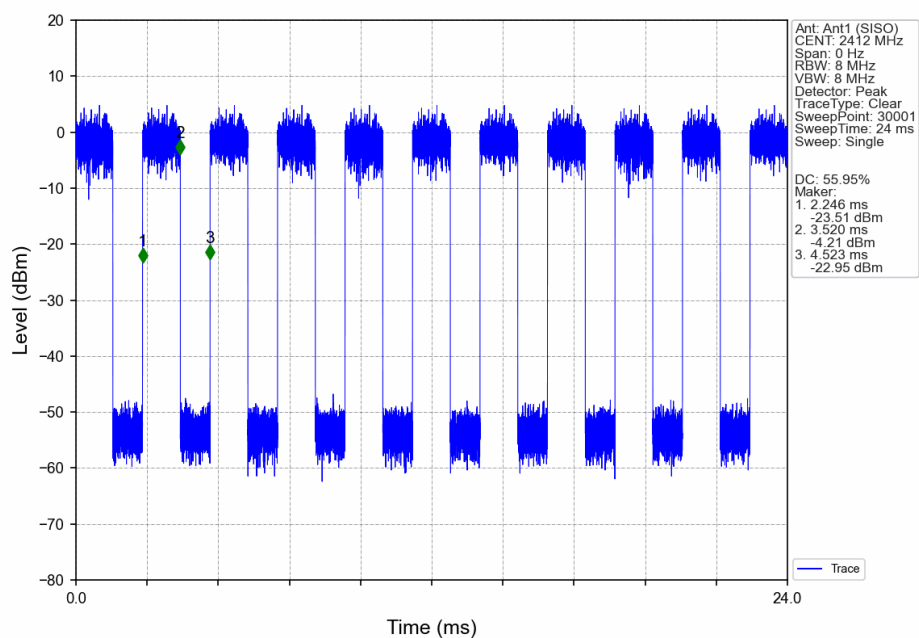
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



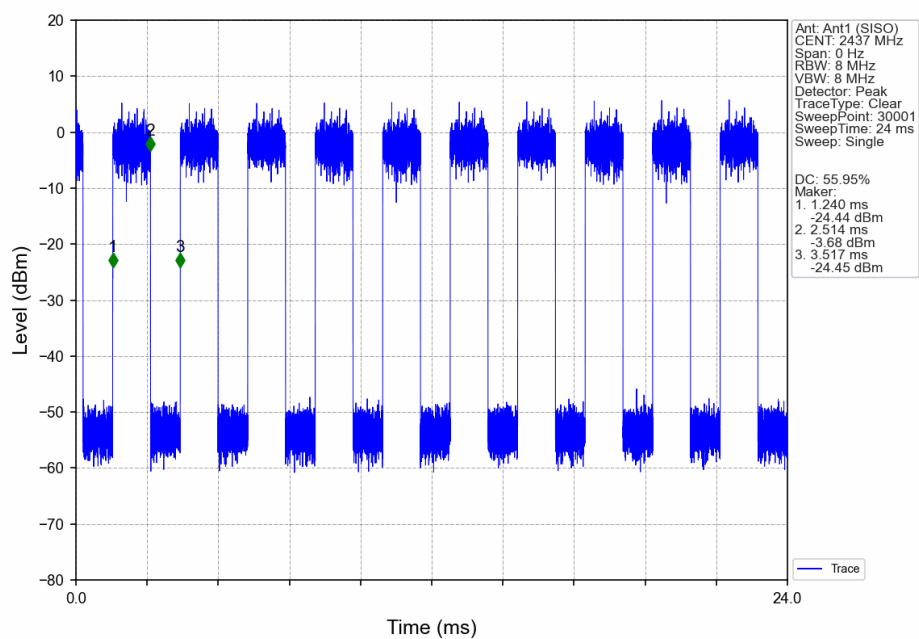
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



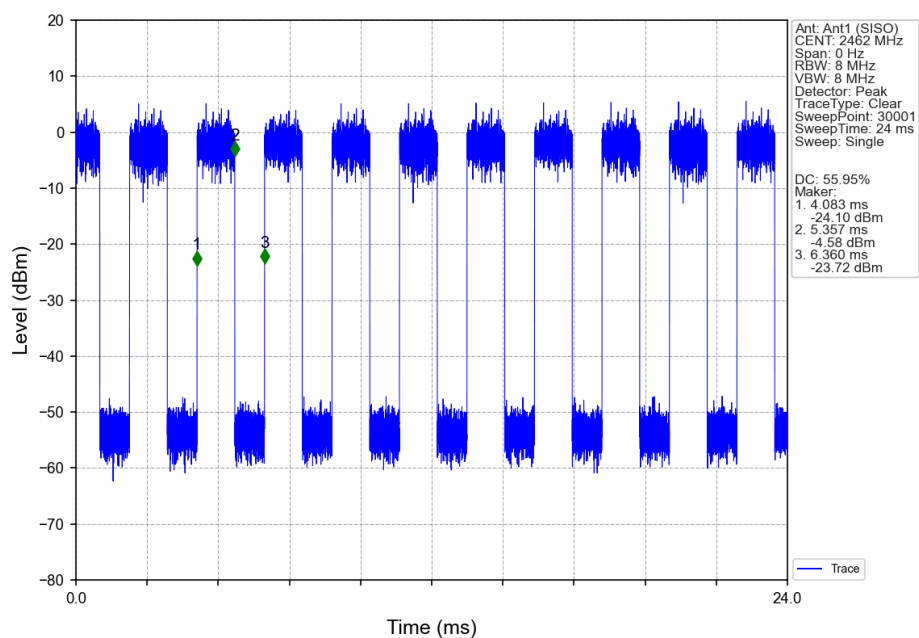
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



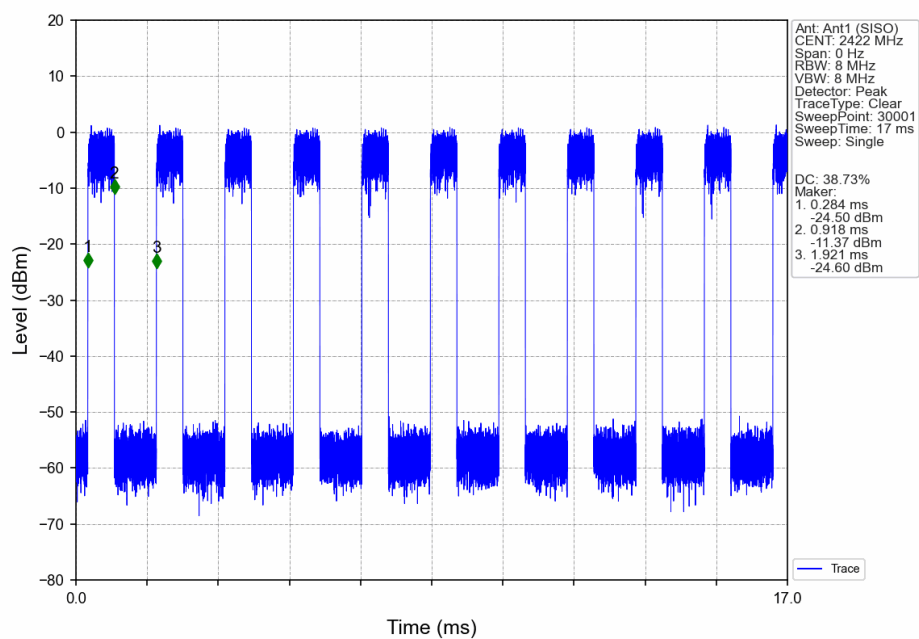
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



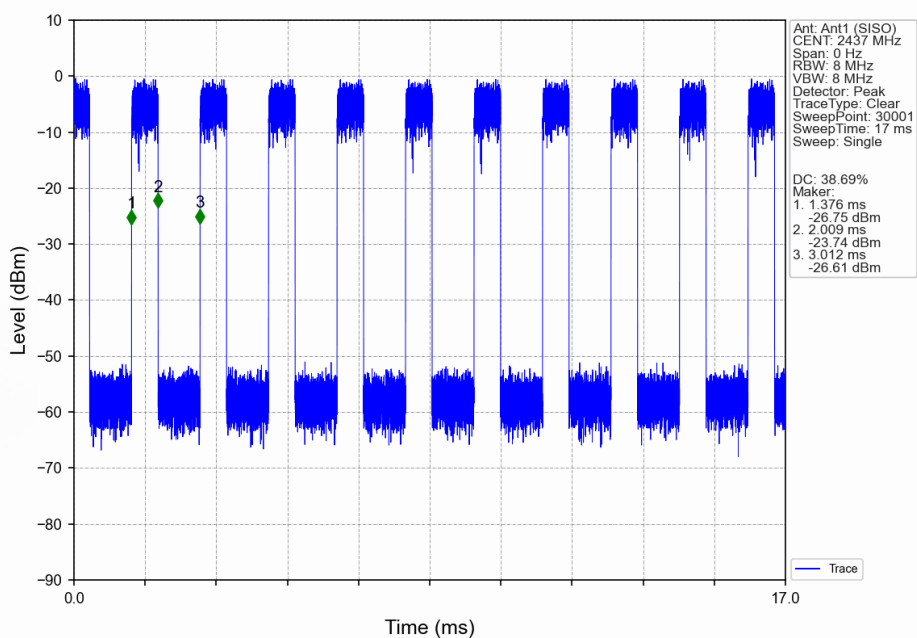
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



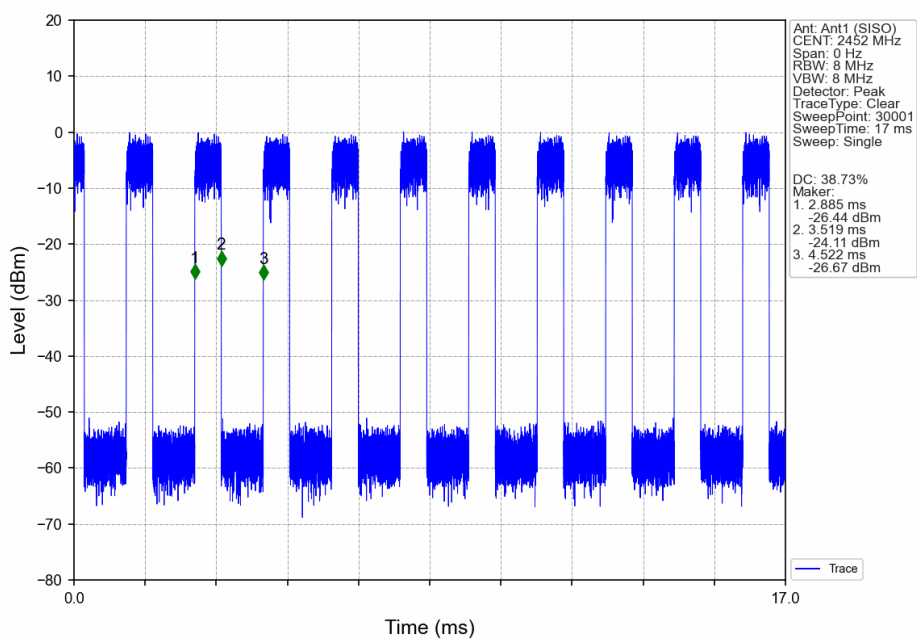
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

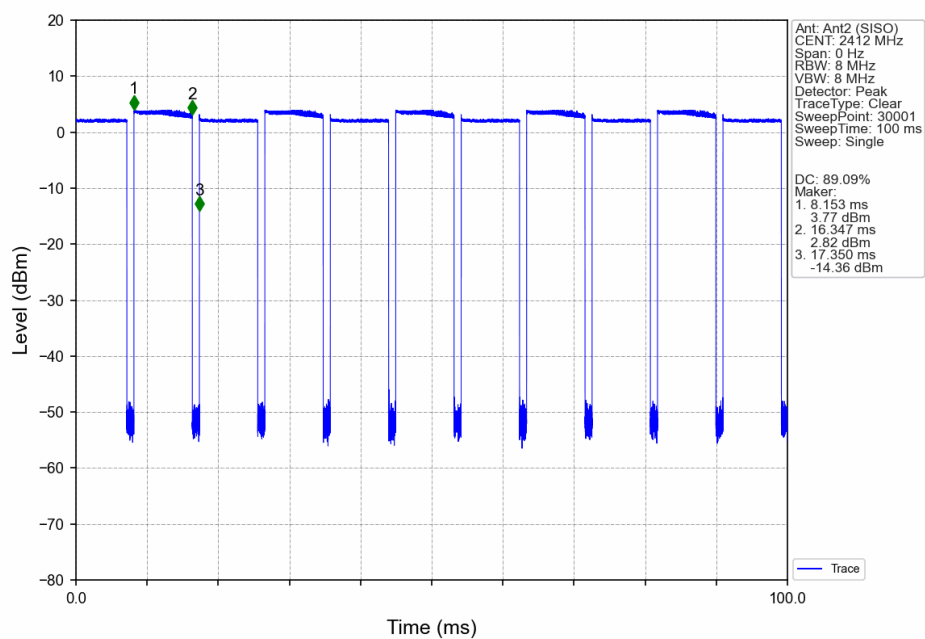


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

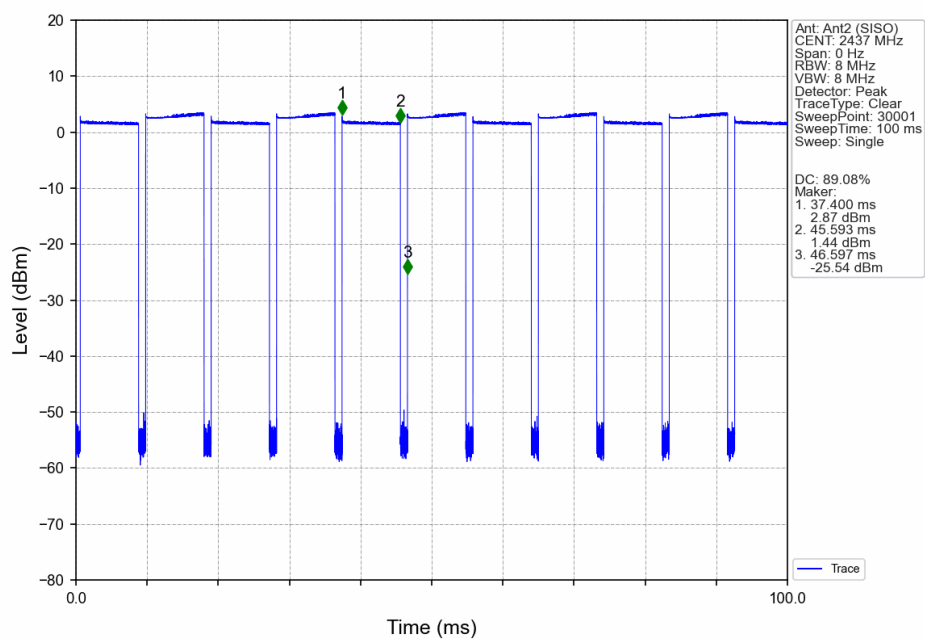


1.2.2 Ant2

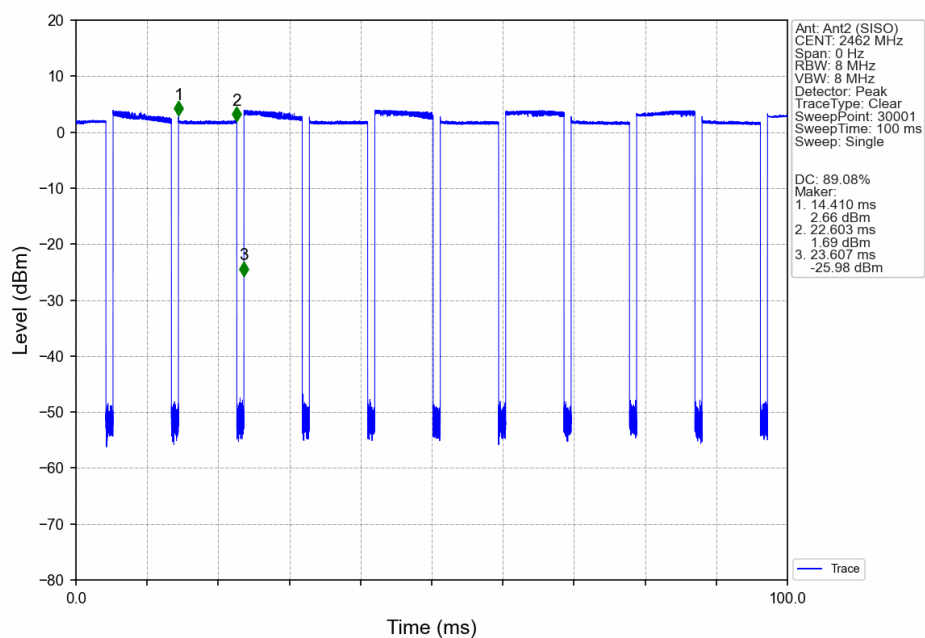
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



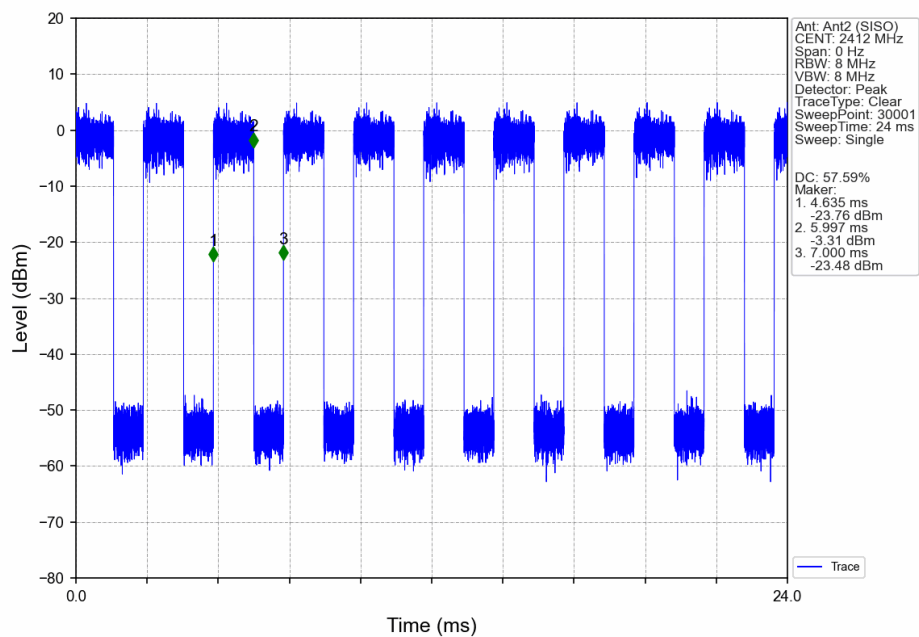
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



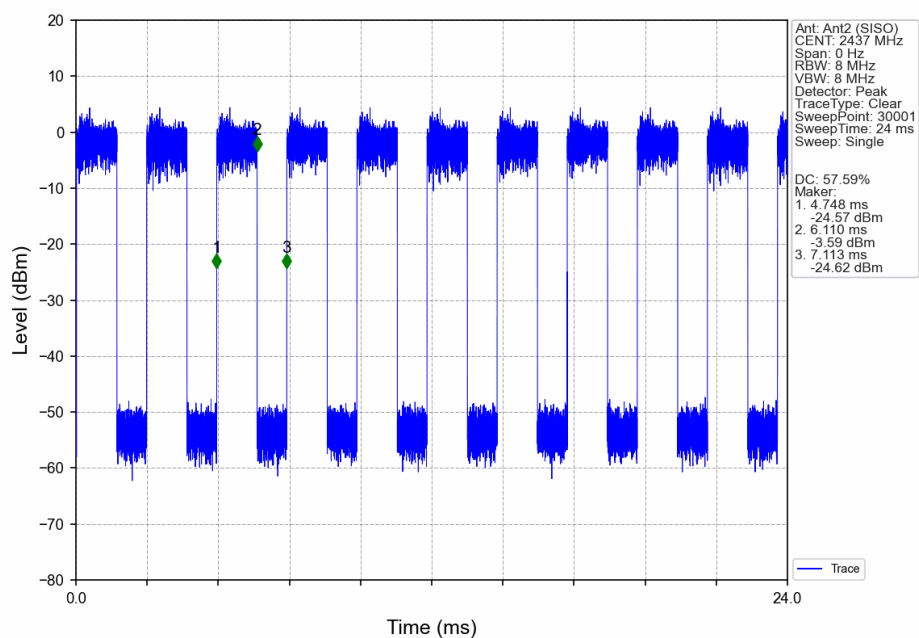
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



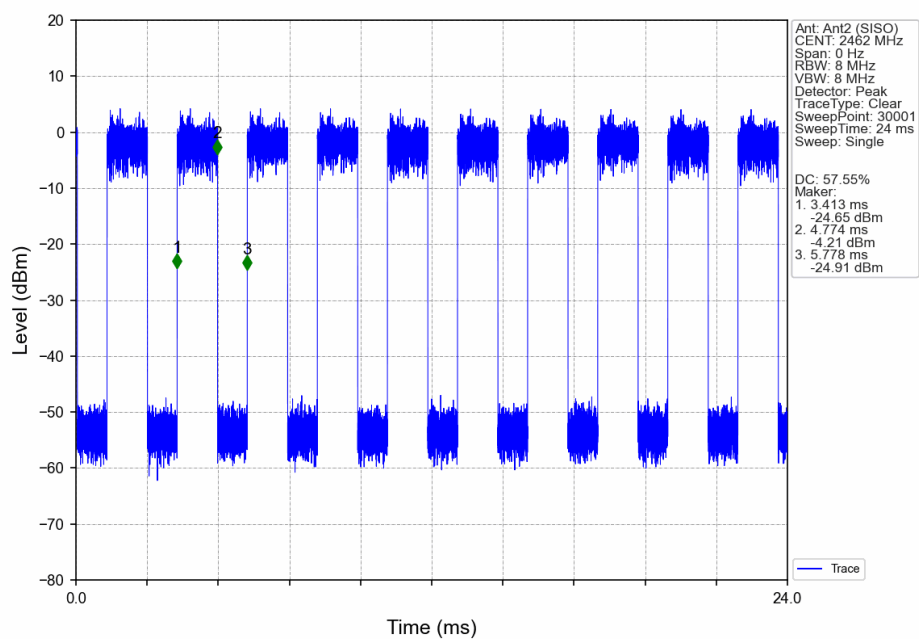
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



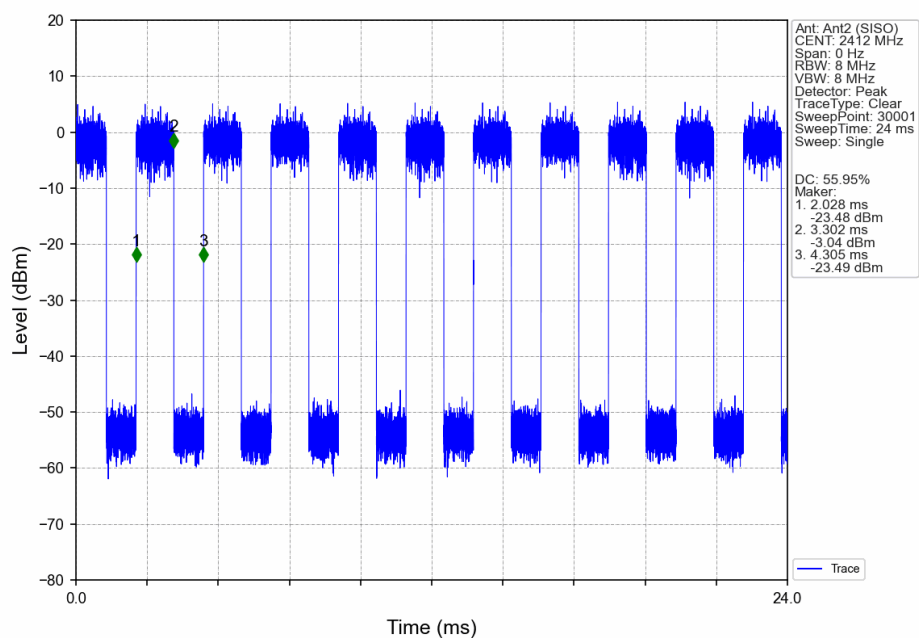
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



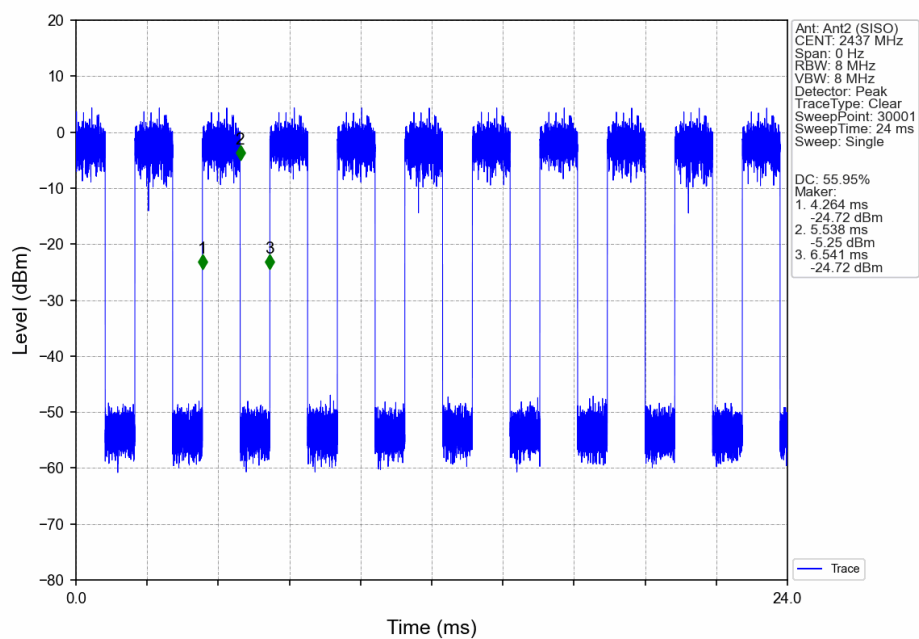
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



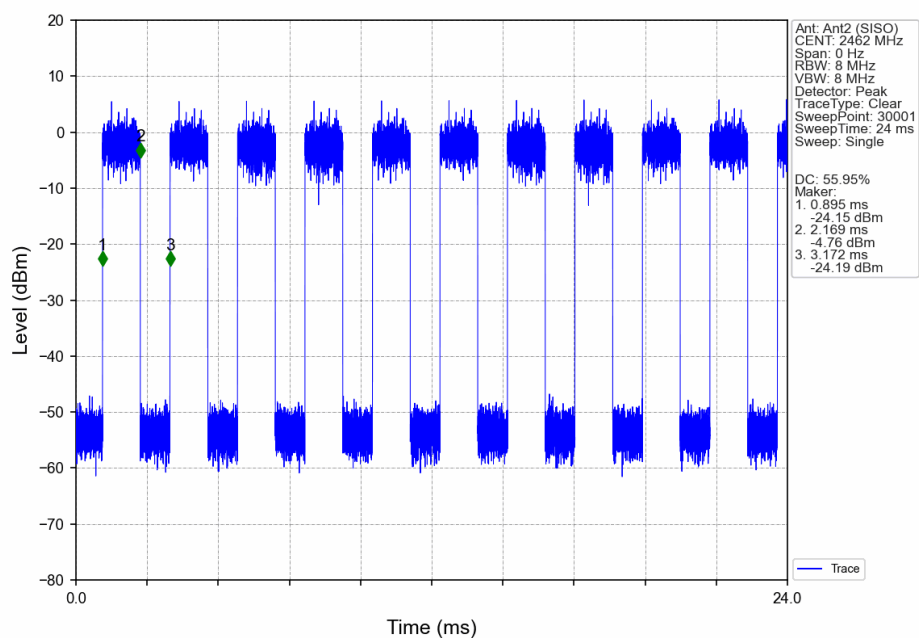
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



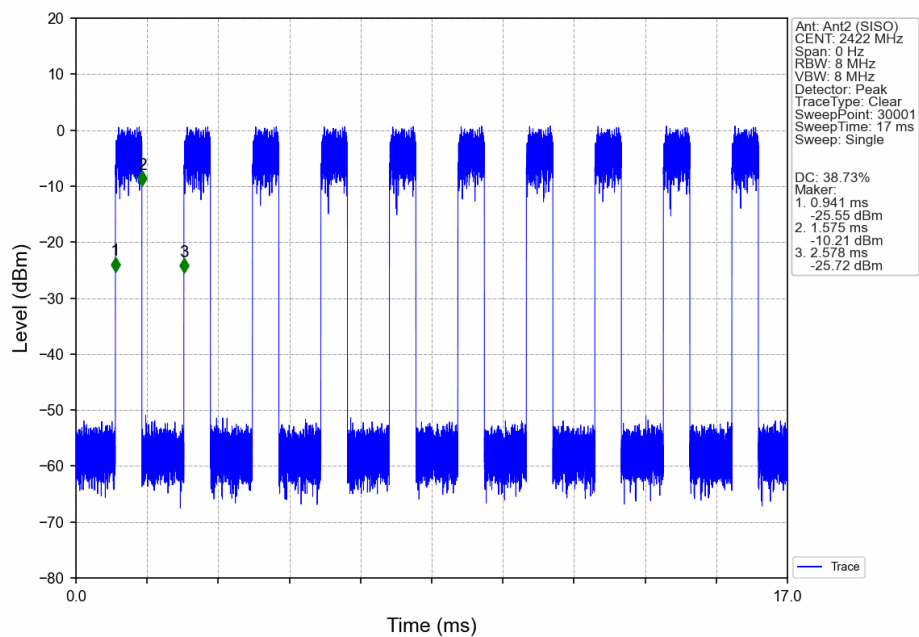
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



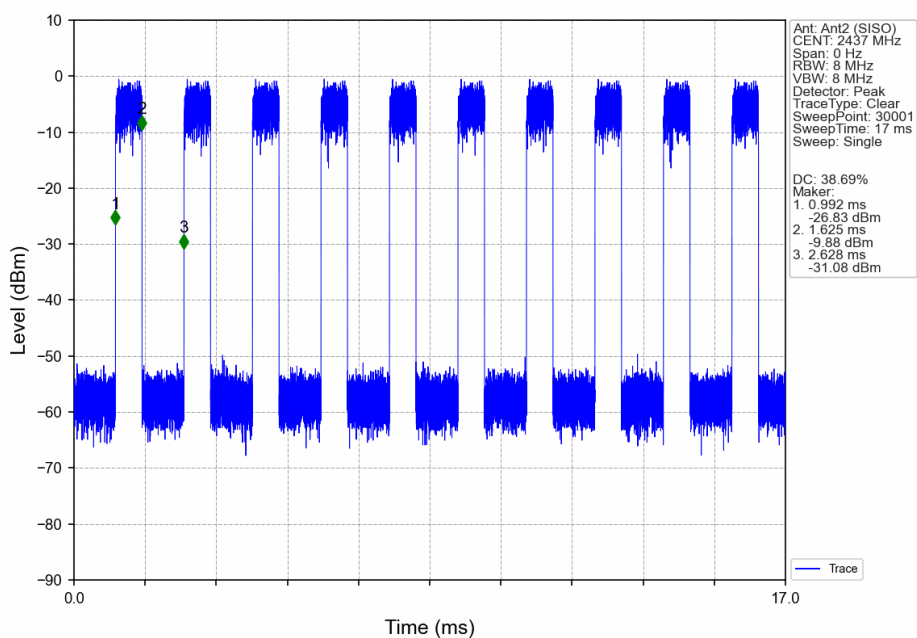
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



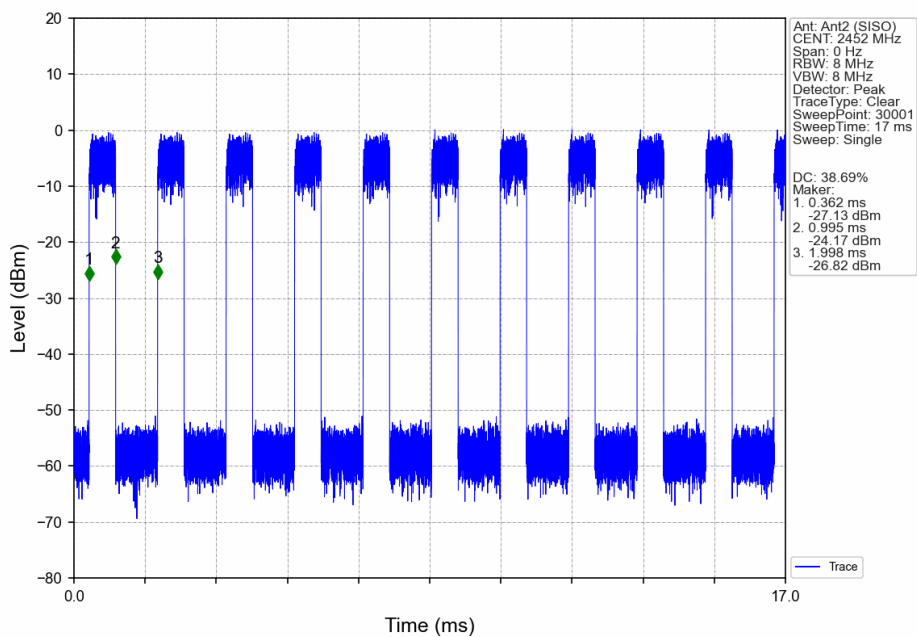
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



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	15.015	/	Pass
			2	14.995	/	Pass
		2437	1	15.038	/	Pass
			2	15.045	/	Pass
		2462	1	14.932	/	Pass
			2	14.932	/	Pass
802.11g	SISO	2412	1	17.391	/	Pass
			2	17.382	/	Pass
		2437	1	17.436	/	Pass
			2	17.445	/	Pass
		2462	1	17.345	/	Pass
			2	17.346	/	Pass
802.11n (HT20)	SISO	2412	1	18.323	/	Pass
			2	18.294	/	Pass
		2437	1	18.324	/	Pass
			2	18.347	/	Pass
		2462	1	18.265	/	Pass
			2	18.270	/	Pass
802.11n (HT40)	SISO	2422	1	36.884	/	Pass
			2	36.875	/	Pass
		2437	1	37.156	/	Pass
			2	37.185	/	Pass
		2452	1	37.090	/	Pass
			2	37.033	/	Pass

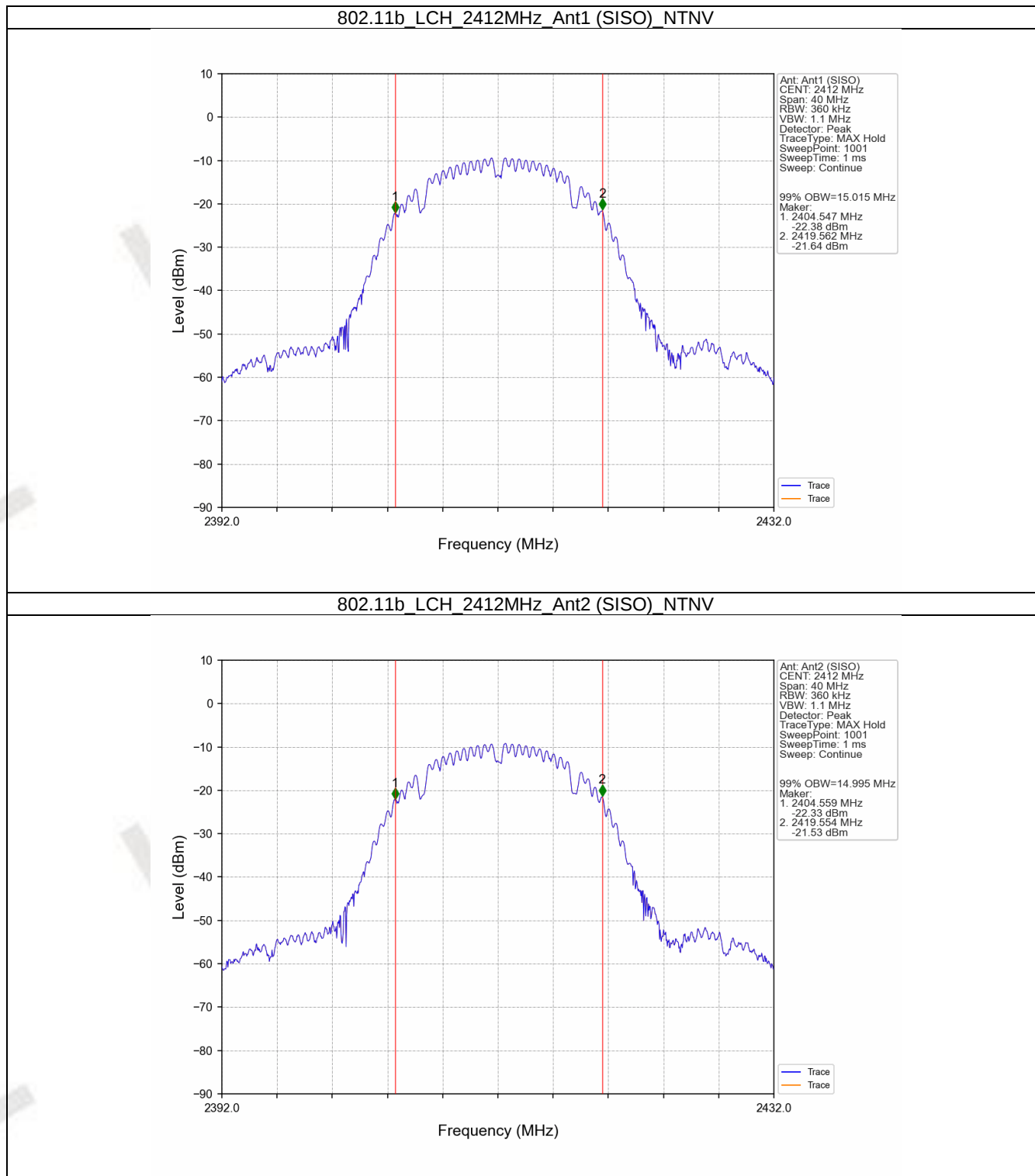
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.131	≥ 0.5	Pass
			2	10.131	≥ 0.5	Pass
		2437	1	10.136	≥ 0.5	Pass
			2	10.137	≥ 0.5	Pass
		2462	1	10.125	≥ 0.5	Pass
			2	10.130	≥ 0.5	Pass
802.11g	SISO	2412	1	16.377	≥ 0.5	Pass
			2	16.356	≥ 0.5	Pass
		2437	1	16.295	≥ 0.5	Pass
			2	16.350	≥ 0.5	Pass
		2462	1	16.359	≥ 0.5	Pass
			2	16.328	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.042	≥ 0.5	Pass
			2	16.955	≥ 0.5	Pass
		2437	1	16.944	≥ 0.5	Pass
			2	16.905	≥ 0.5	Pass
		2462	1	16.869	≥ 0.5	Pass
			2	16.854	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.210	≥ 0.5	Pass
			2	35.181	≥ 0.5	Pass
		2437	1	35.541	≥ 0.5	Pass
			2	35.546	≥ 0.5	Pass

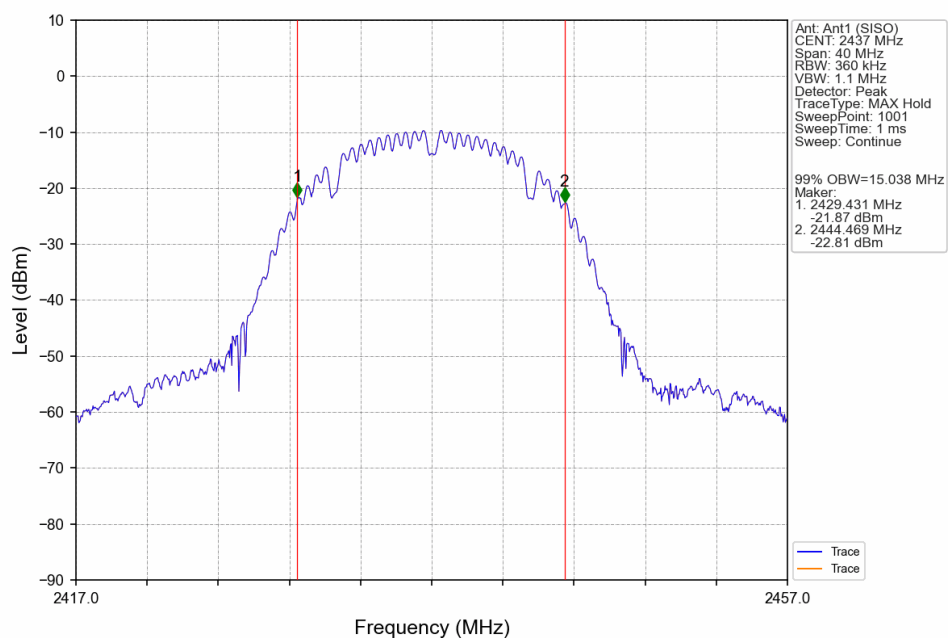
		2452	1	35.628	>=0.5	Pass
			2	35.502	>=0.5	Pass

2.2 Test Graph

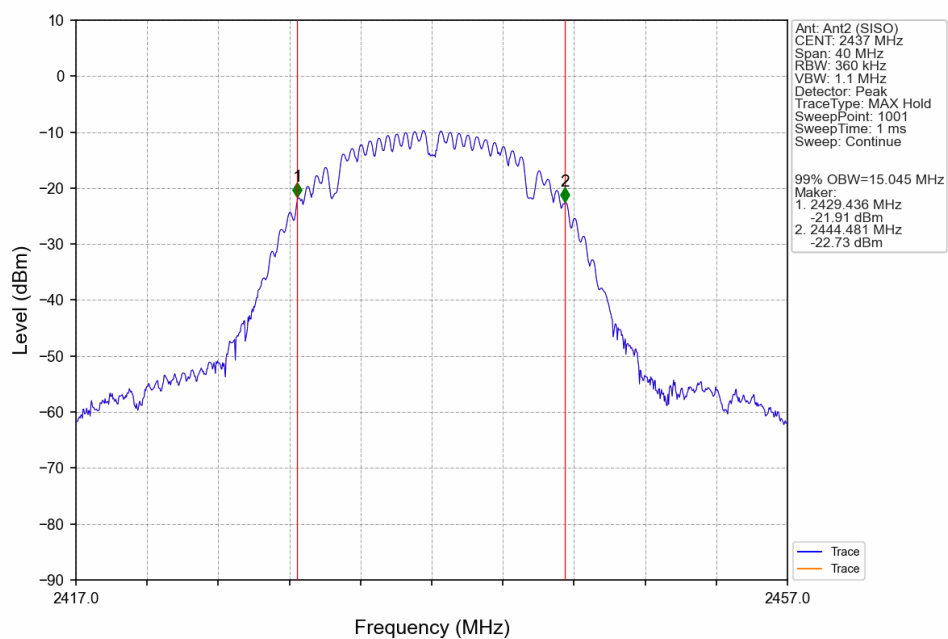
2.2.1 OBW



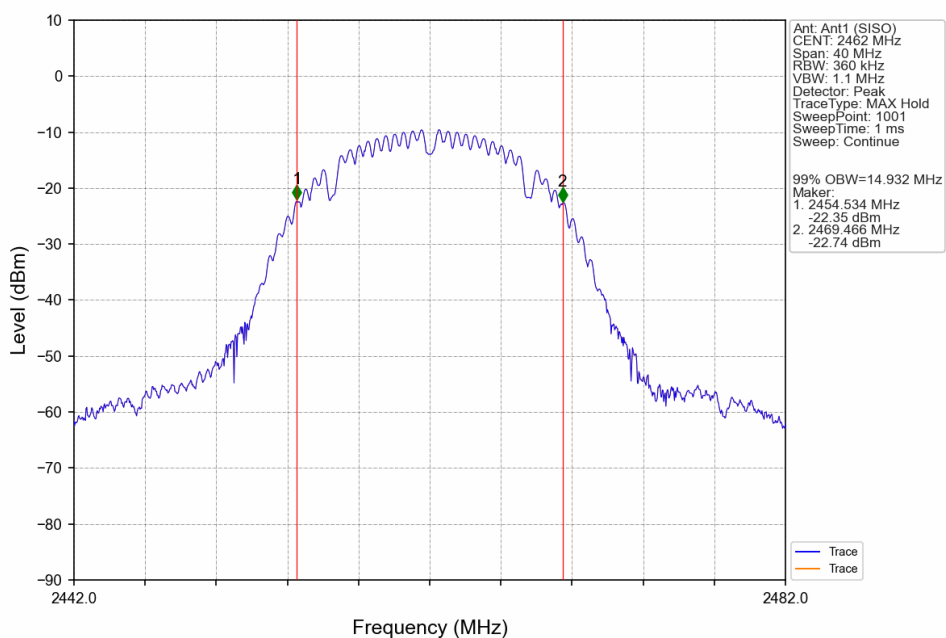
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



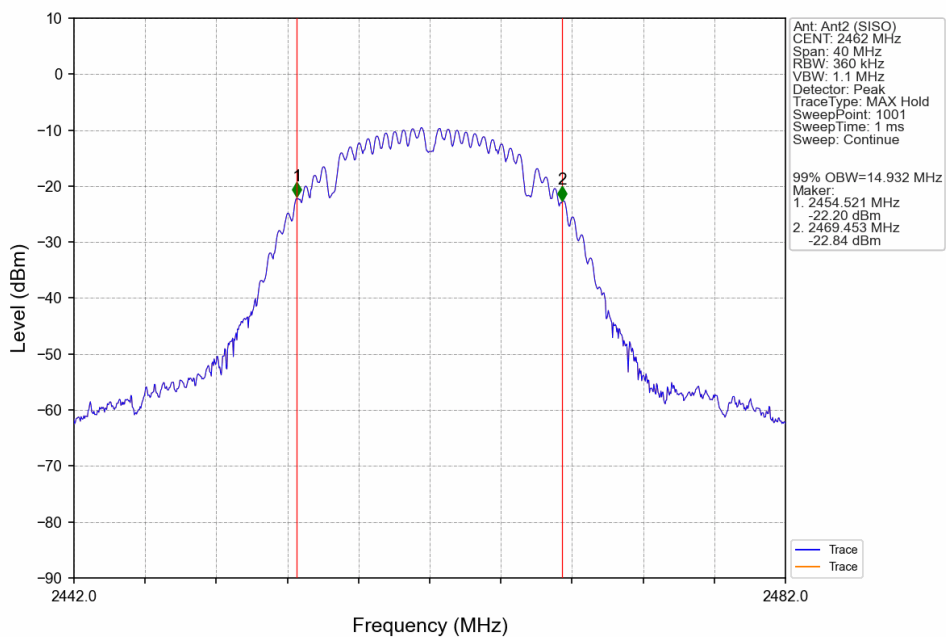
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



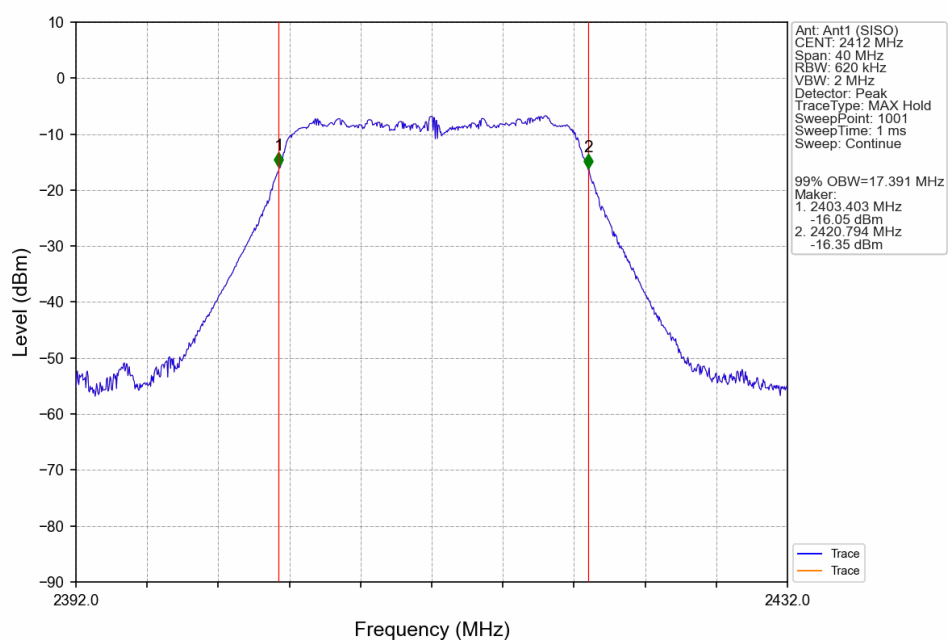
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



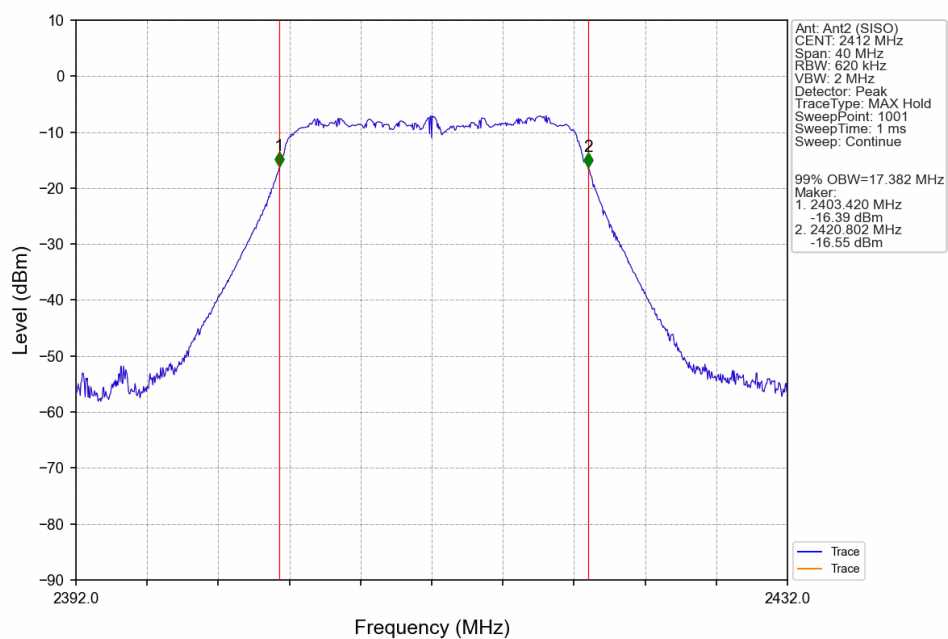
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



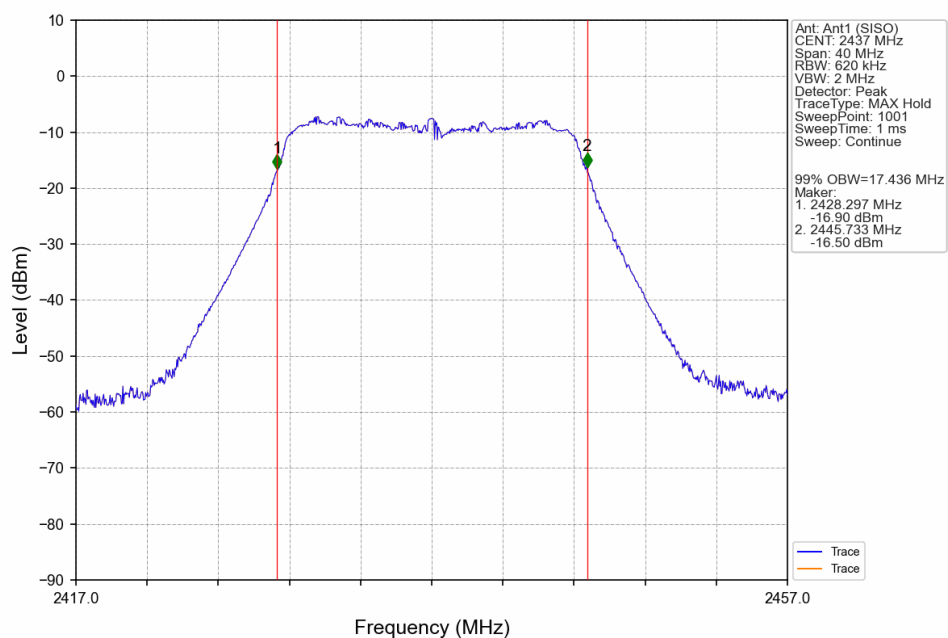
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



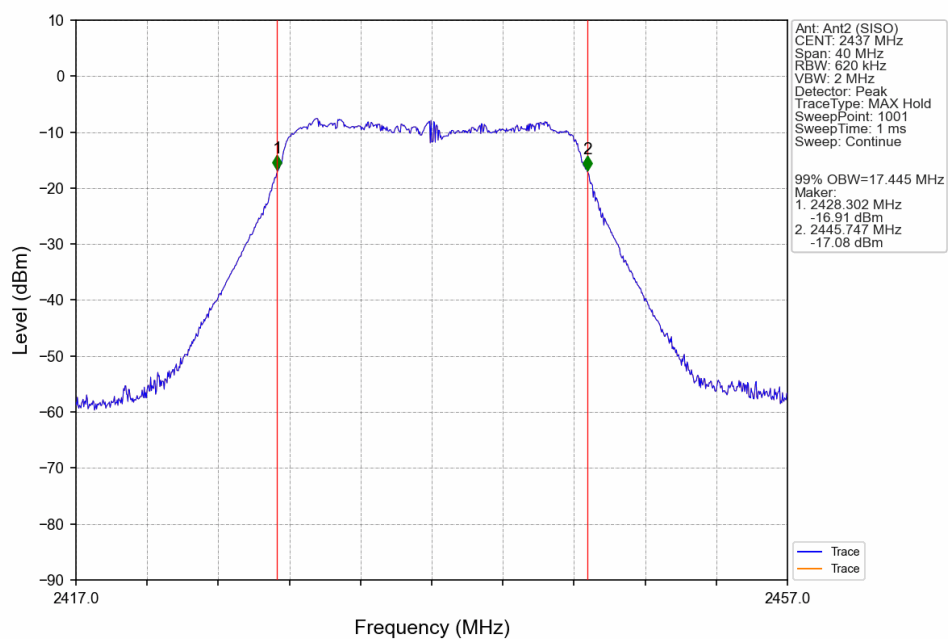
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



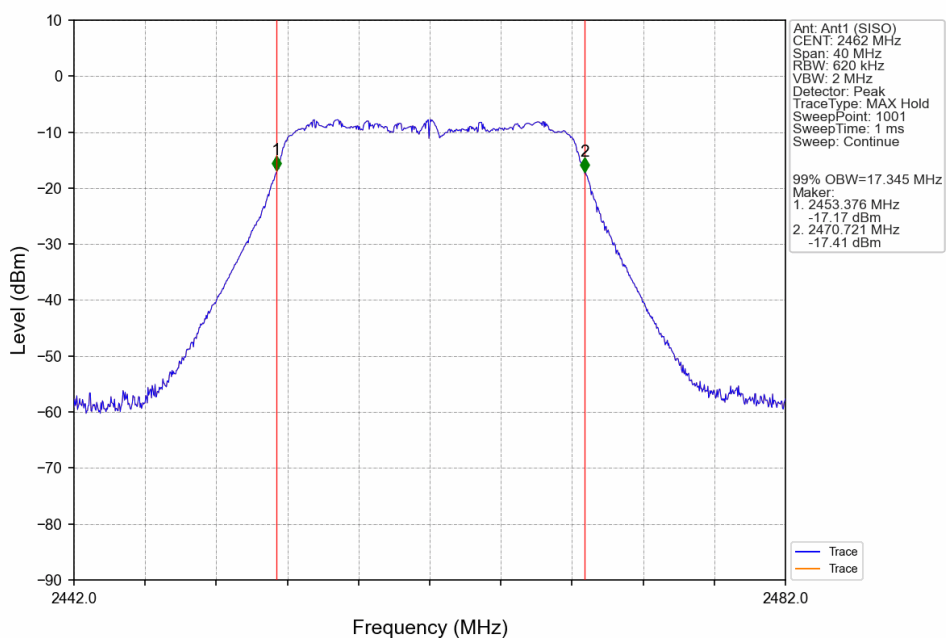
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



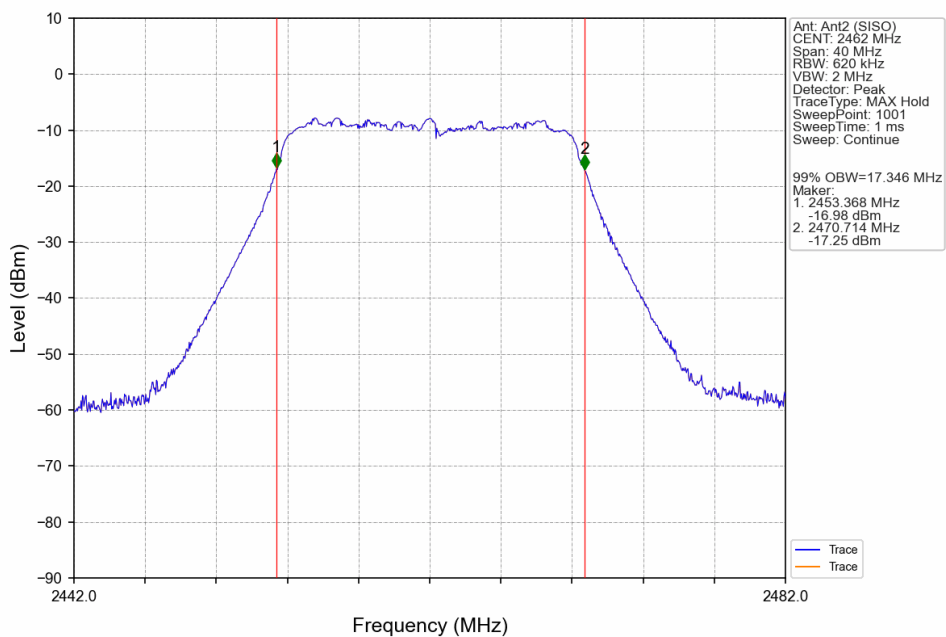
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



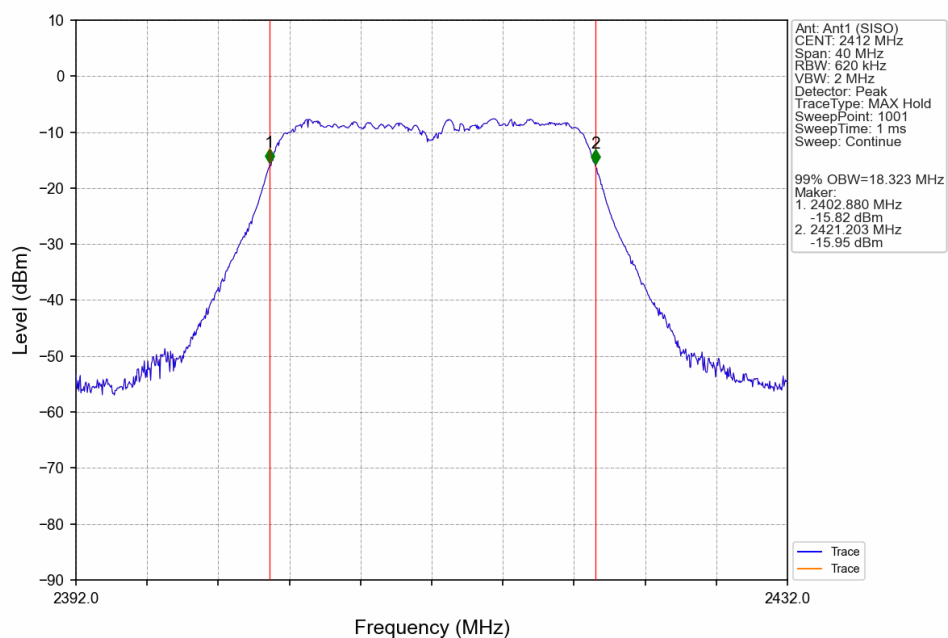
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



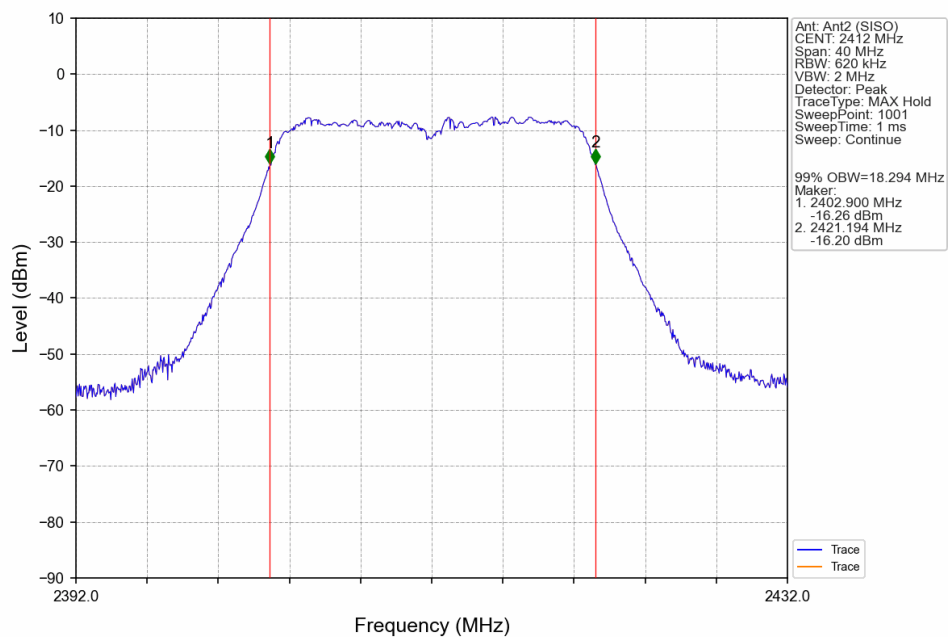
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



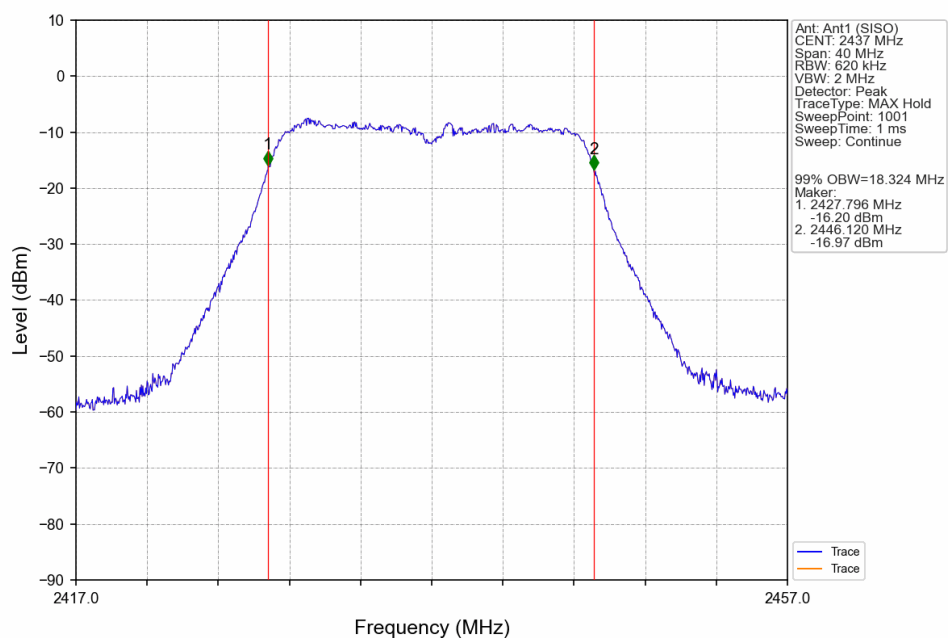
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



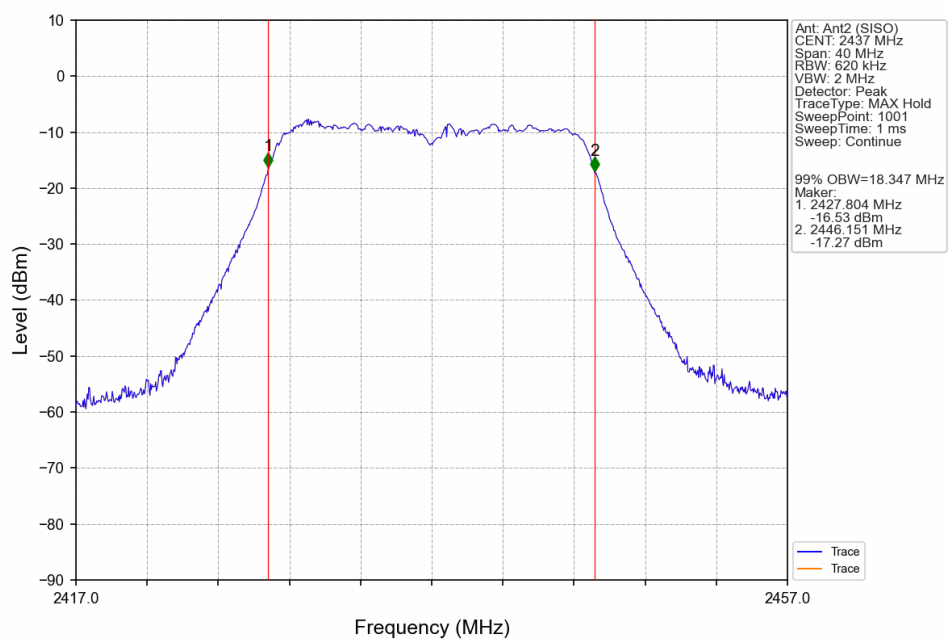
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



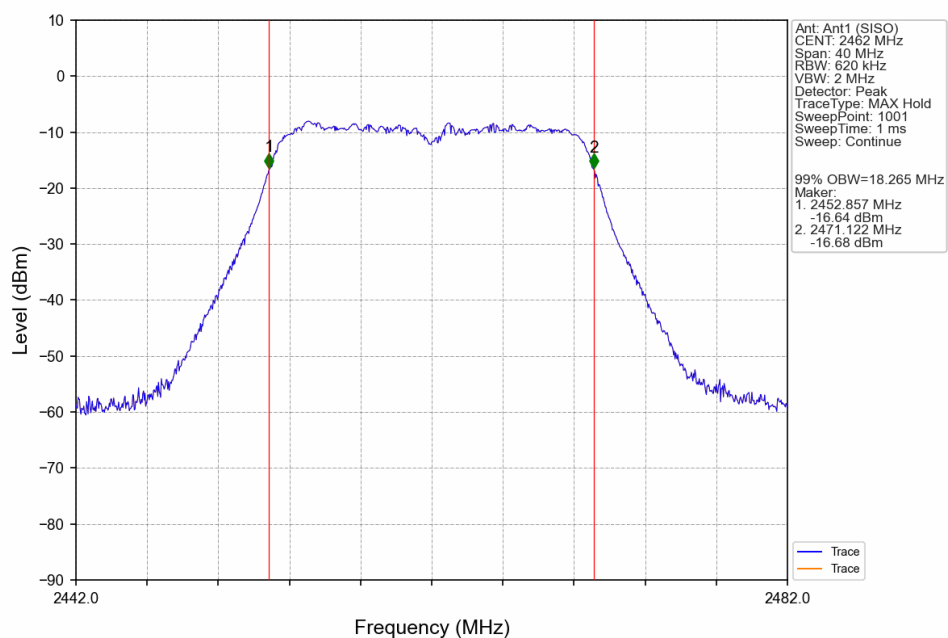
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



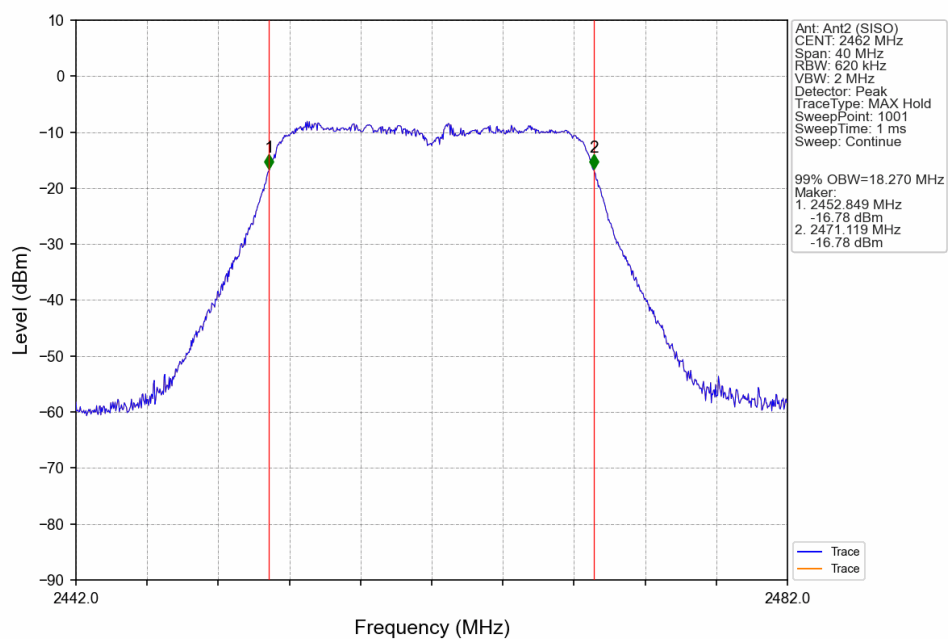
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



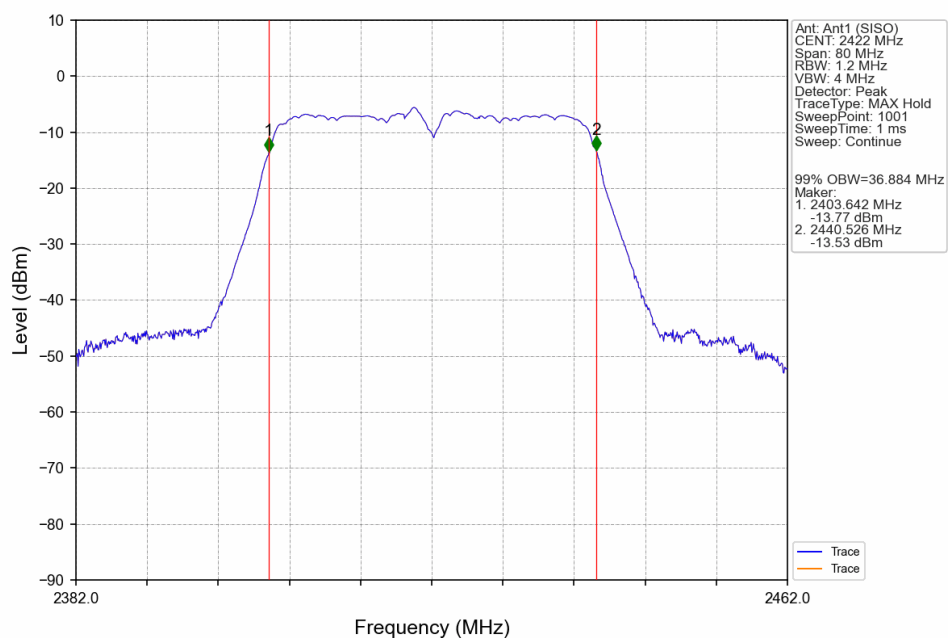
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



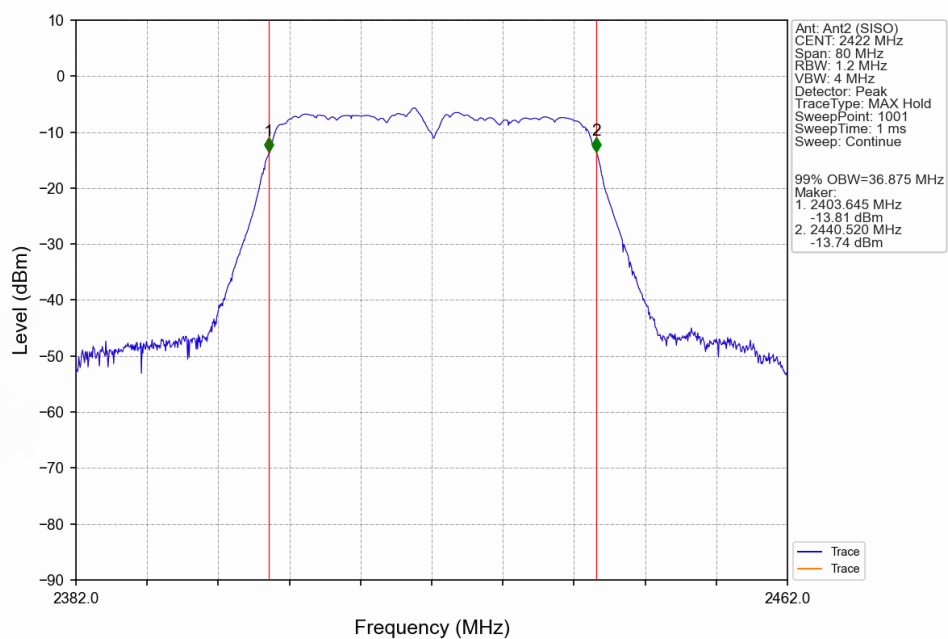
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



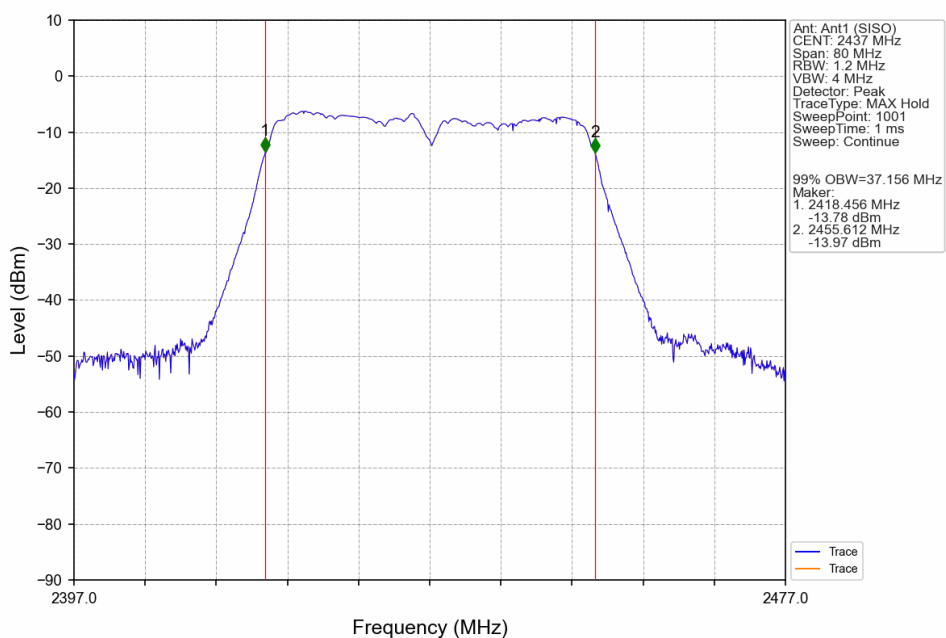
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



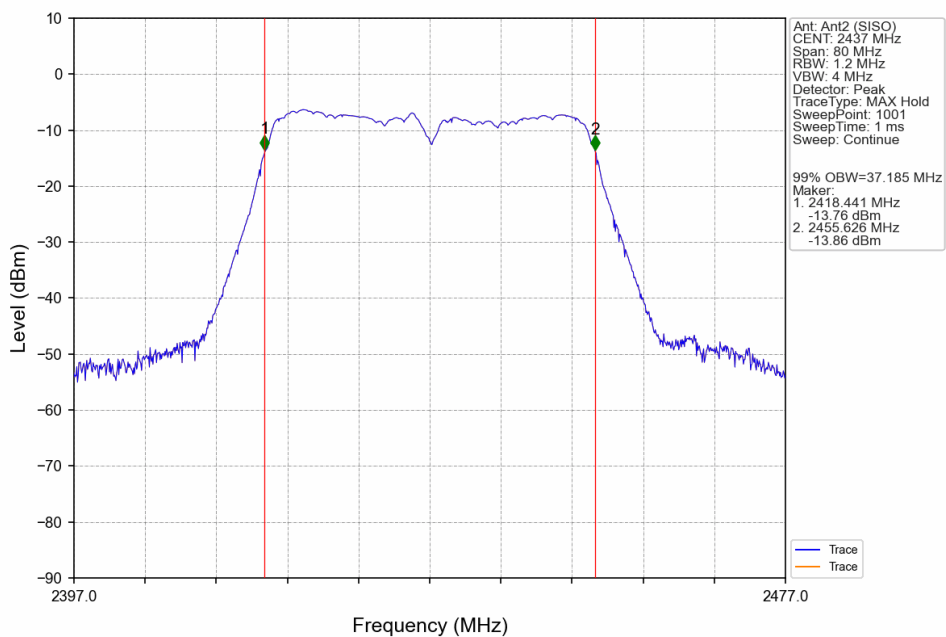
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



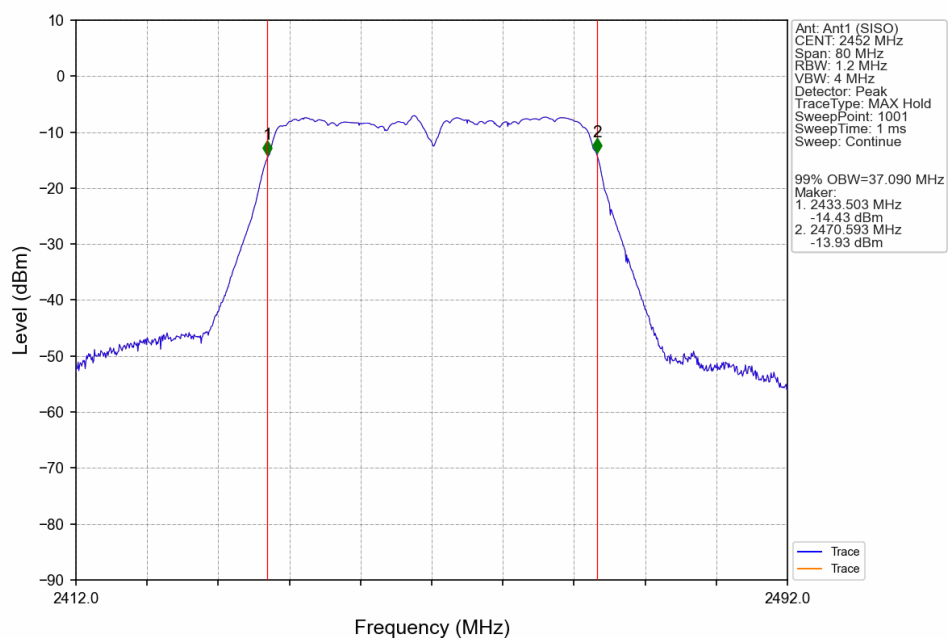
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



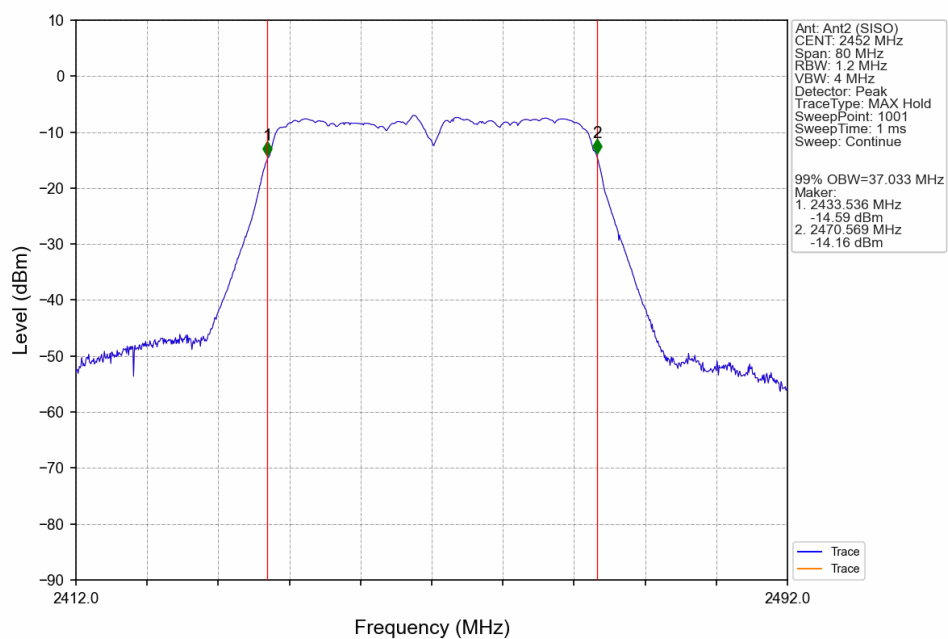
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

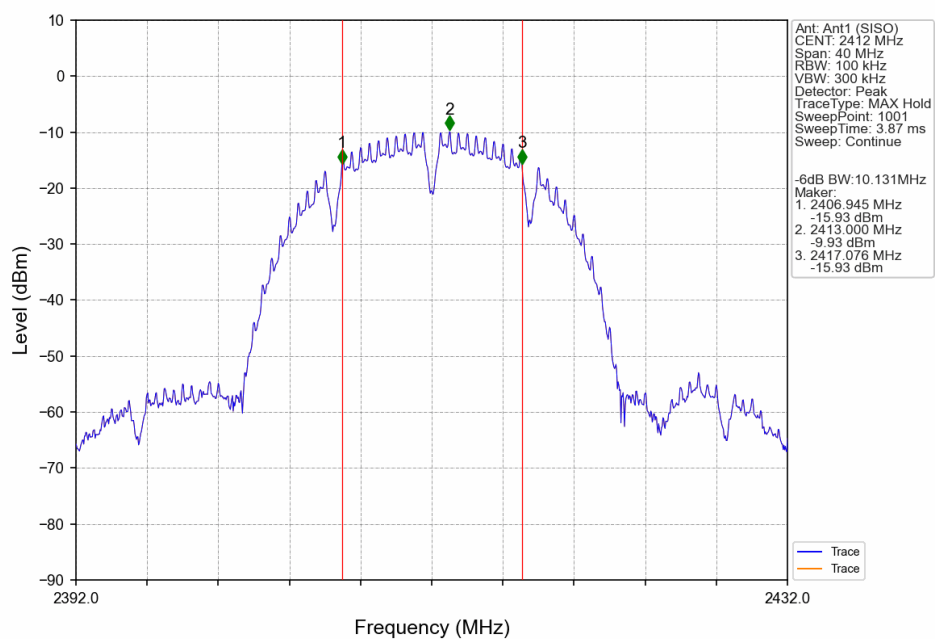


802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV

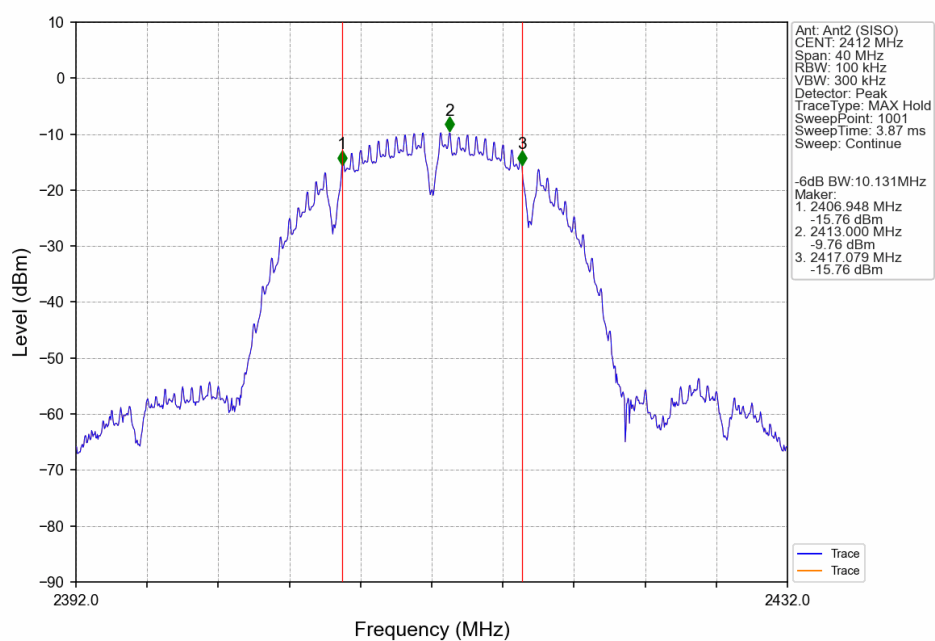


2.2.2 6dB BW

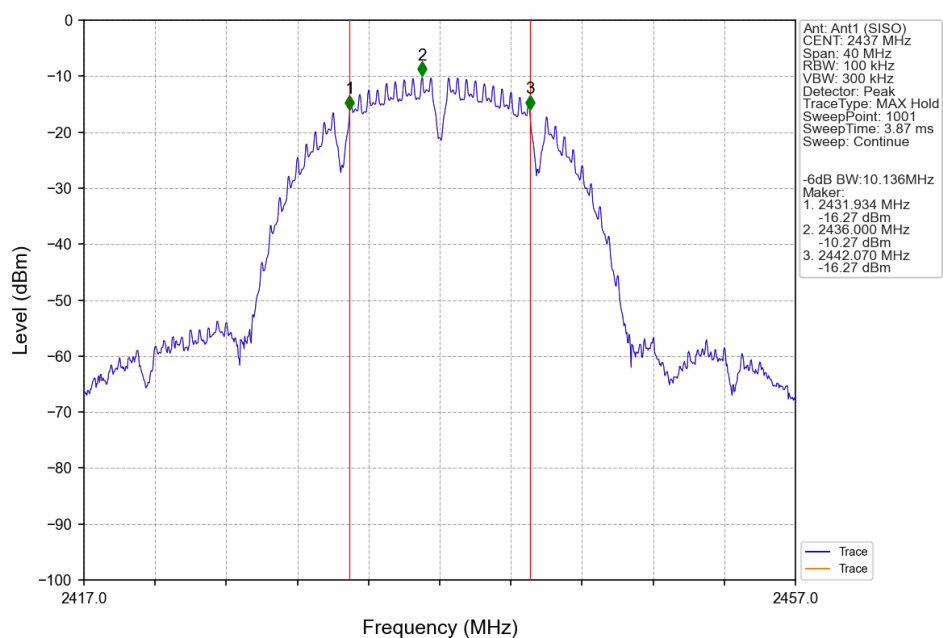
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



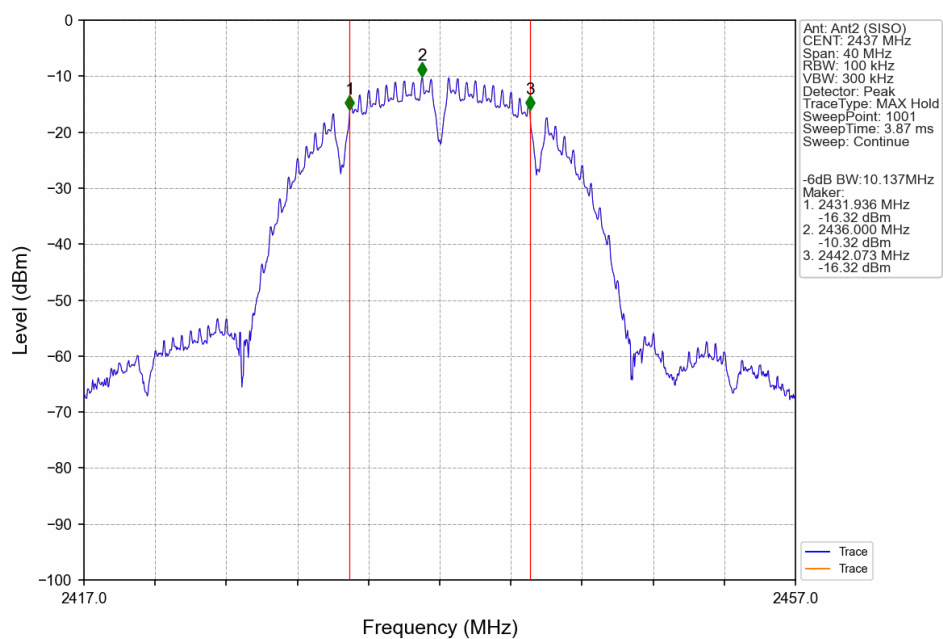
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



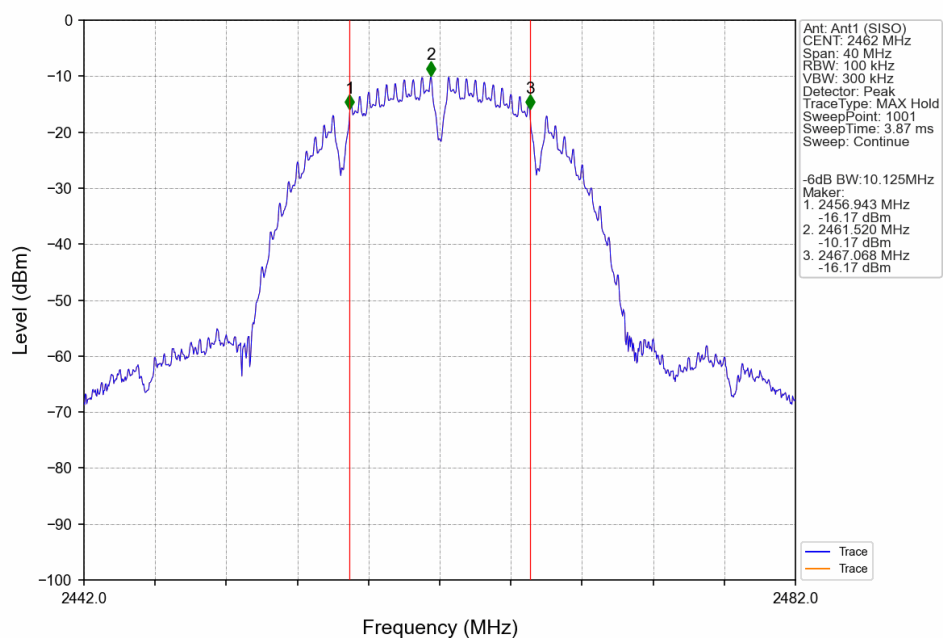
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



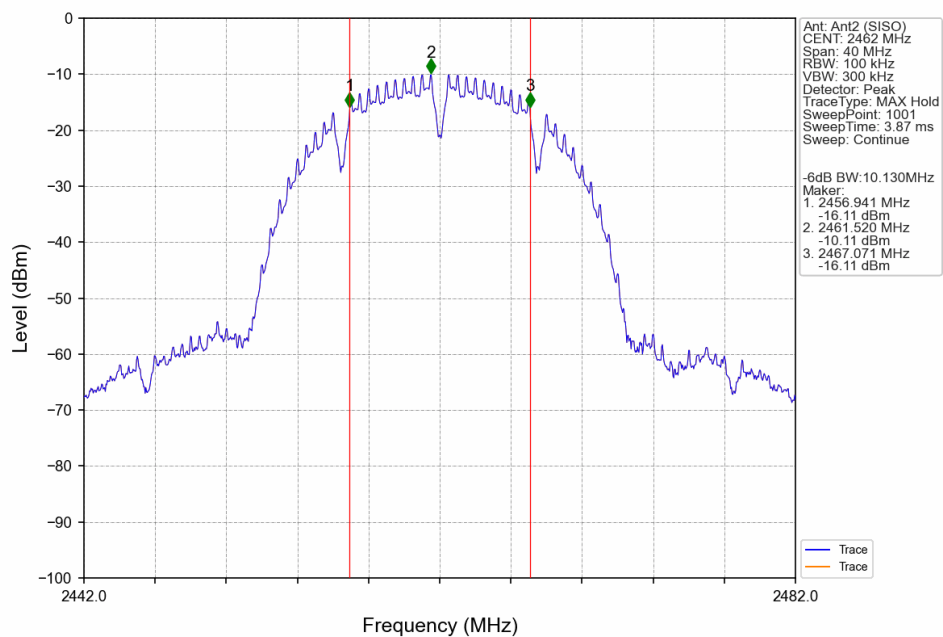
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



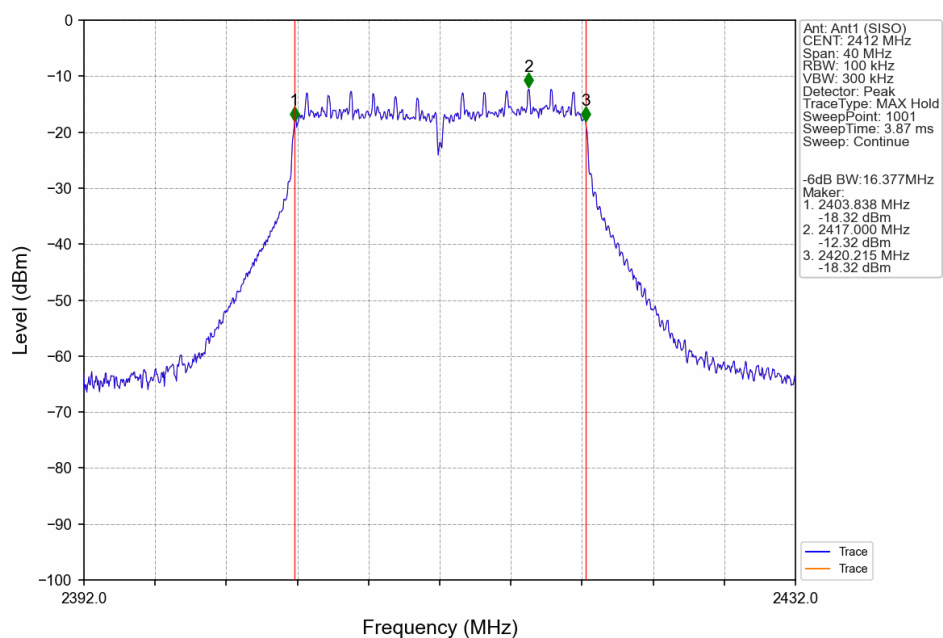
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



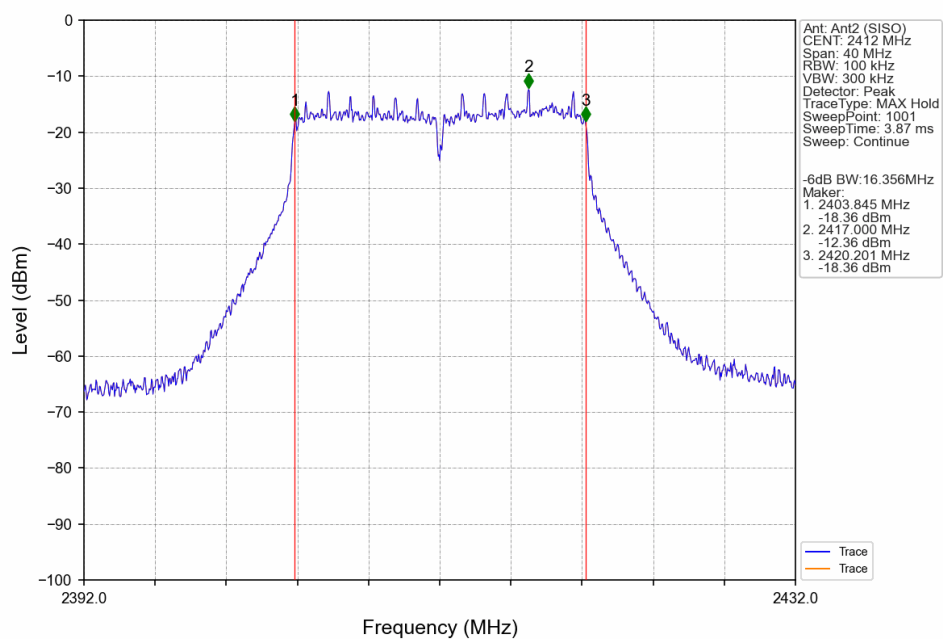
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



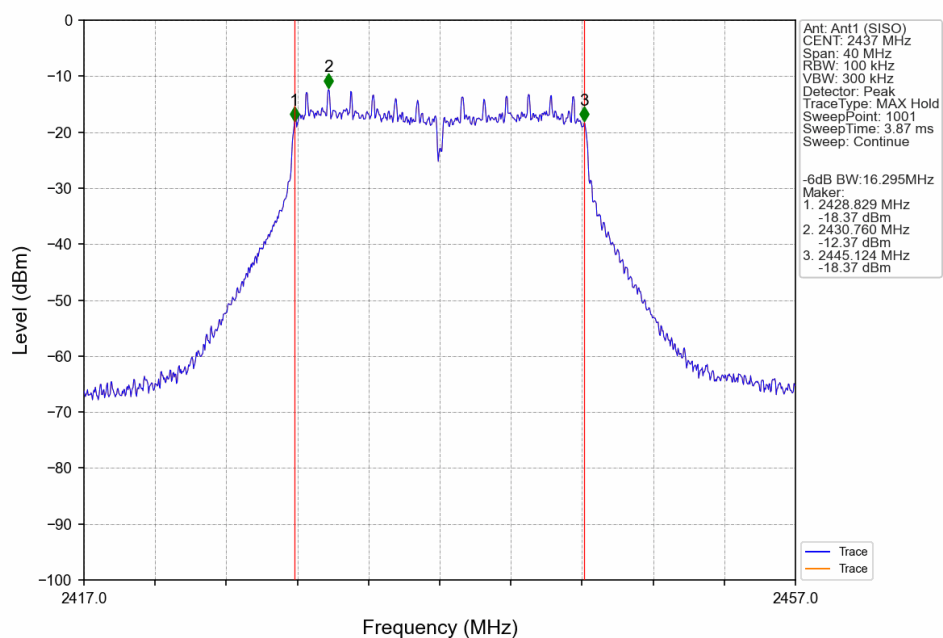
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



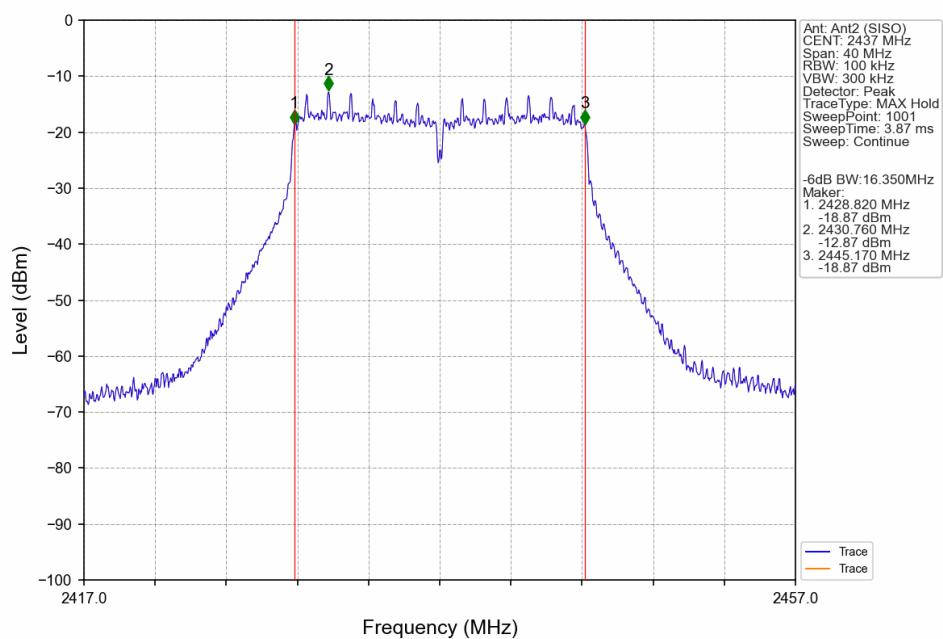
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



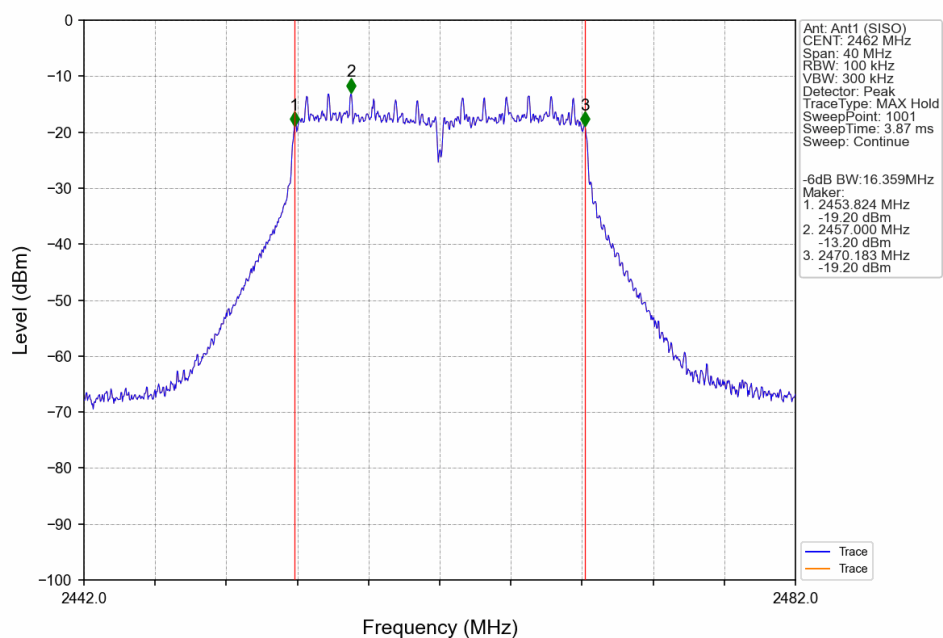
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



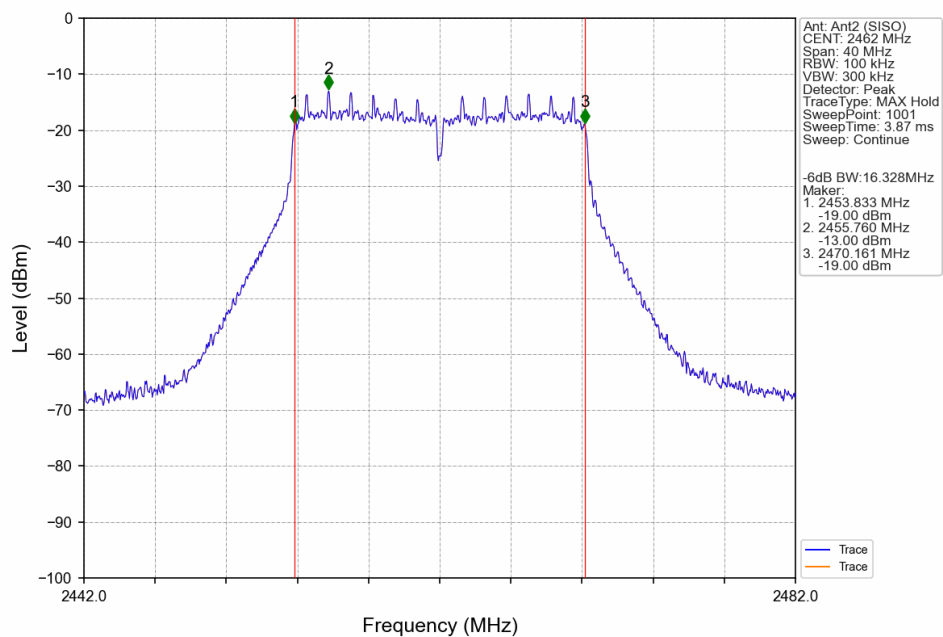
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



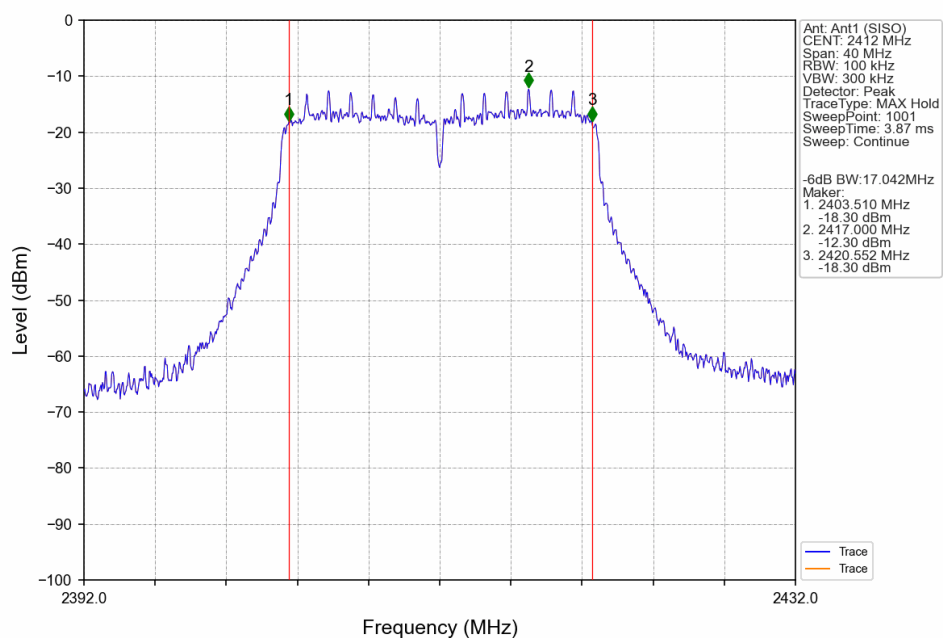
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



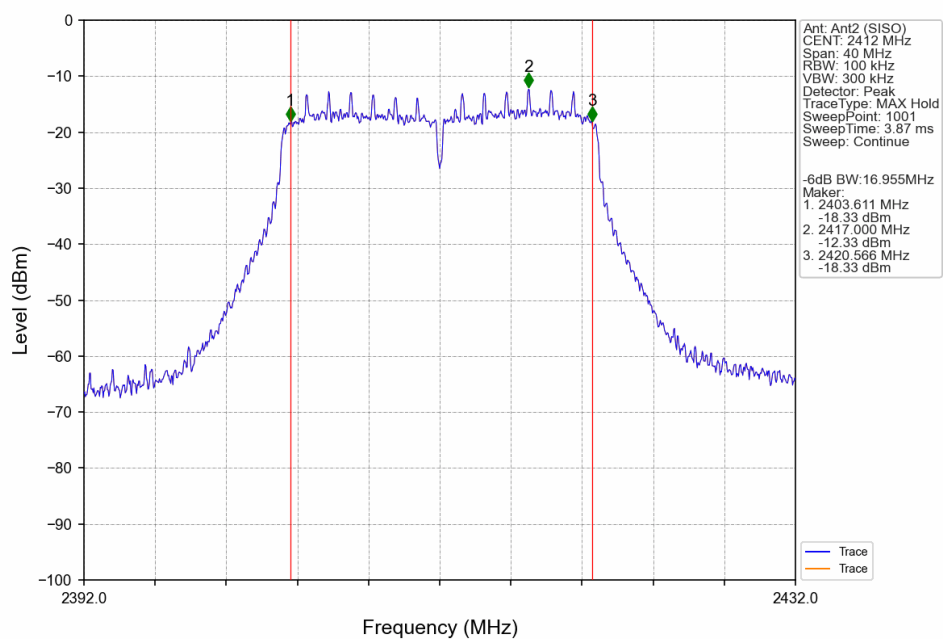
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



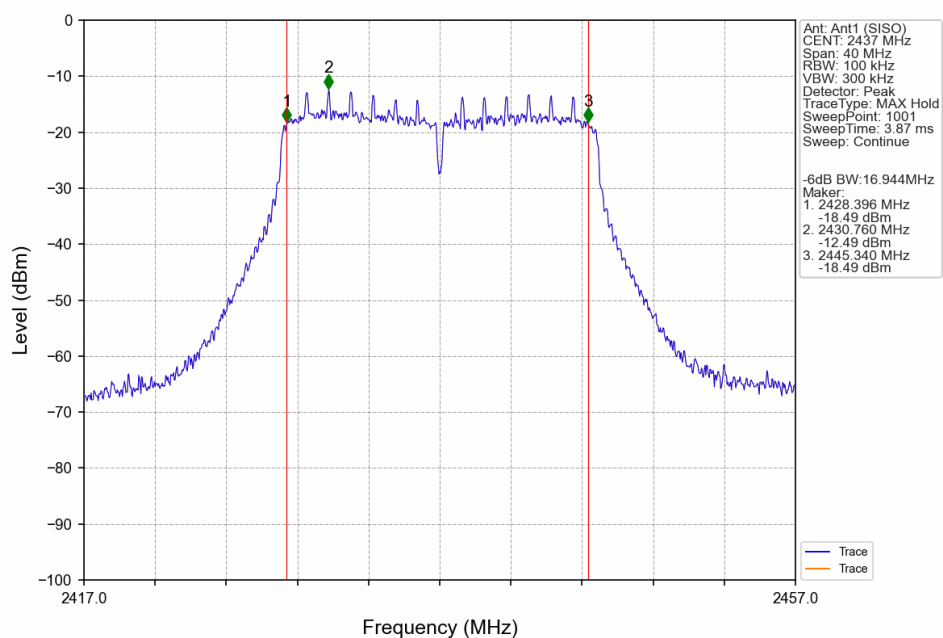
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



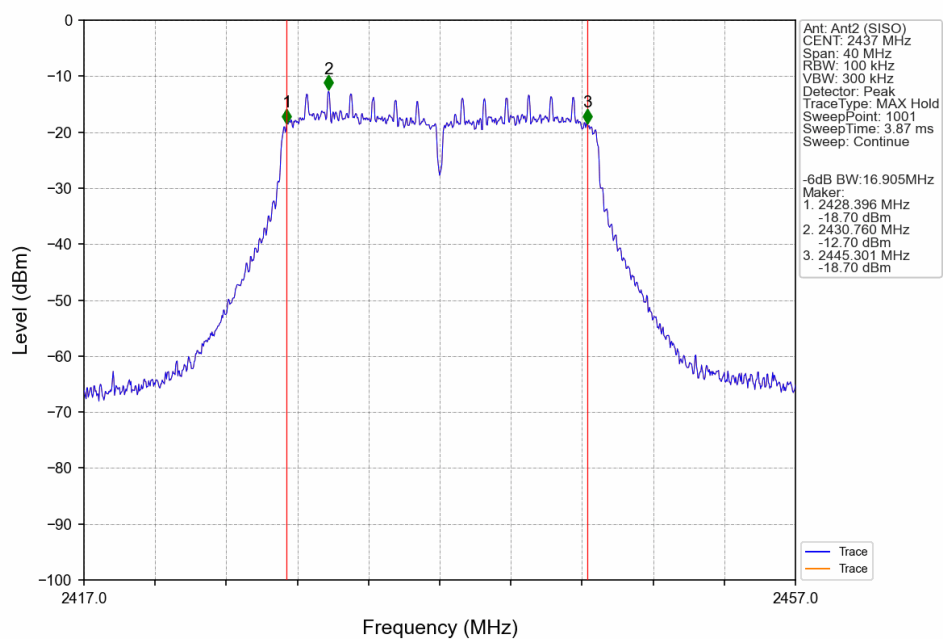
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



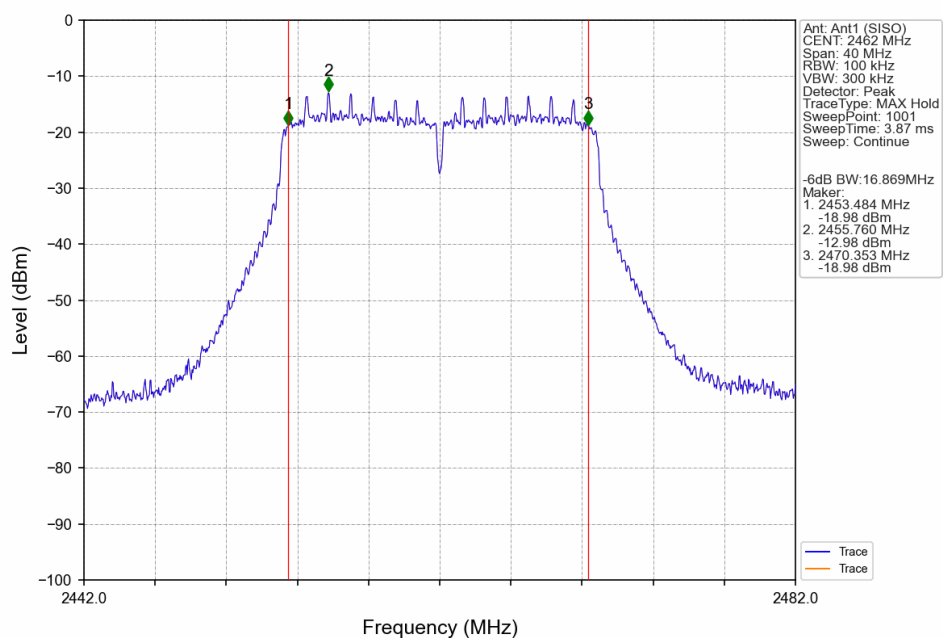
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



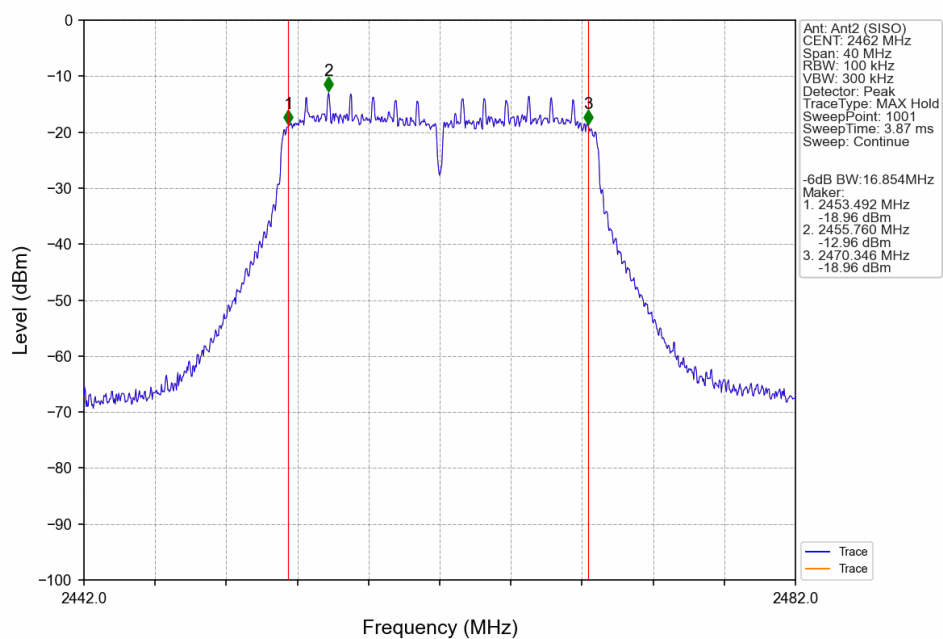
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



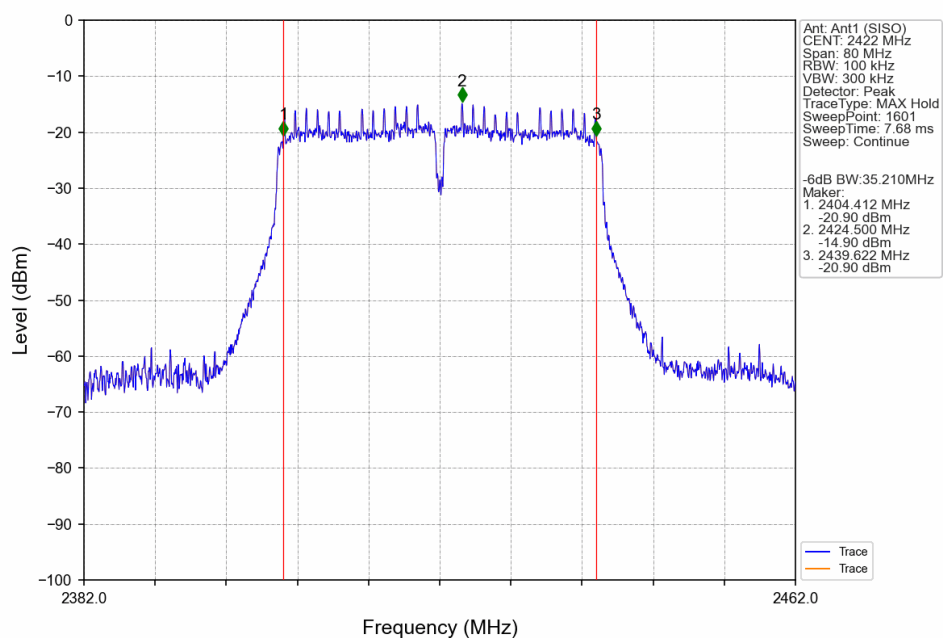
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



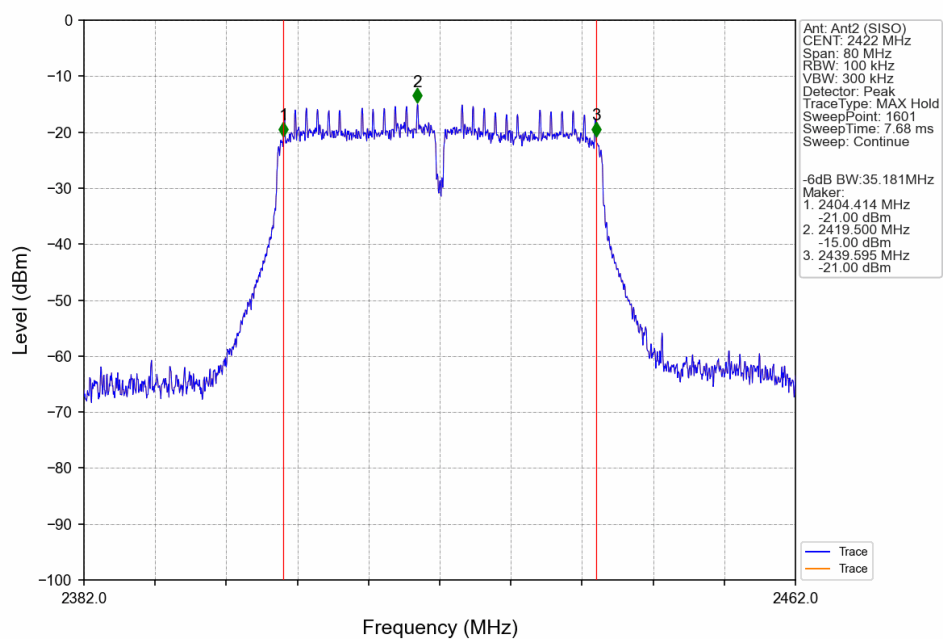
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



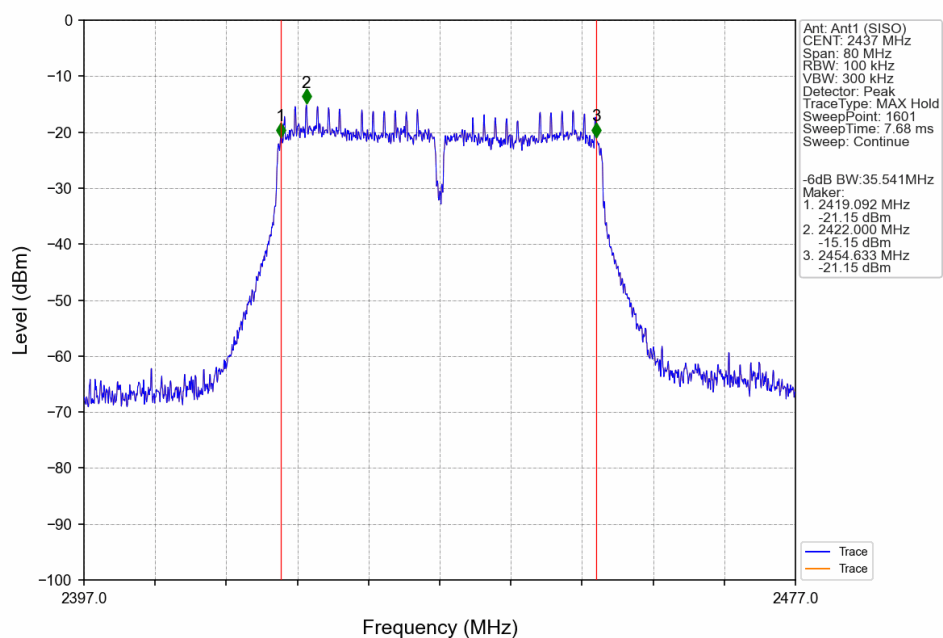
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



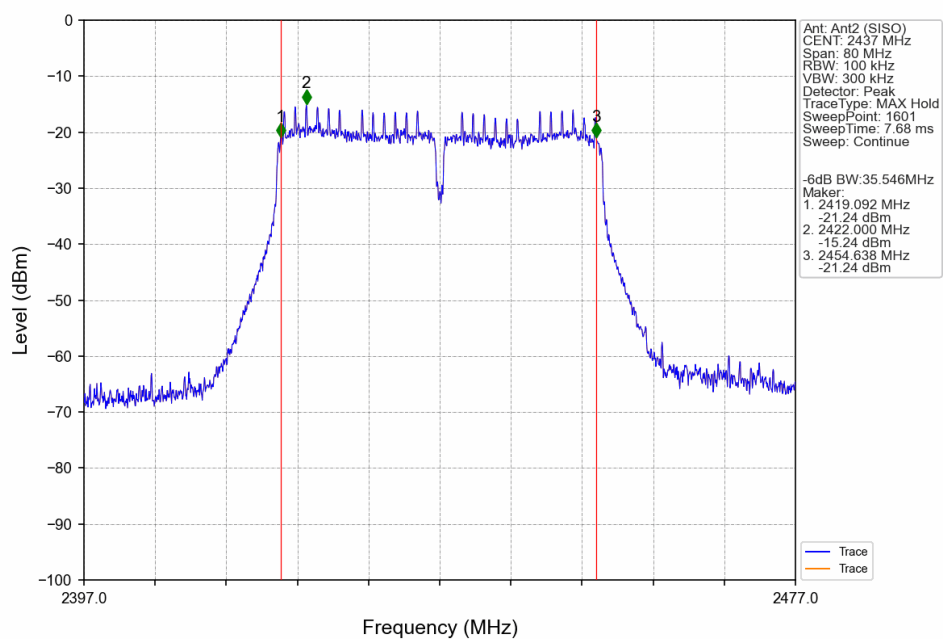
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



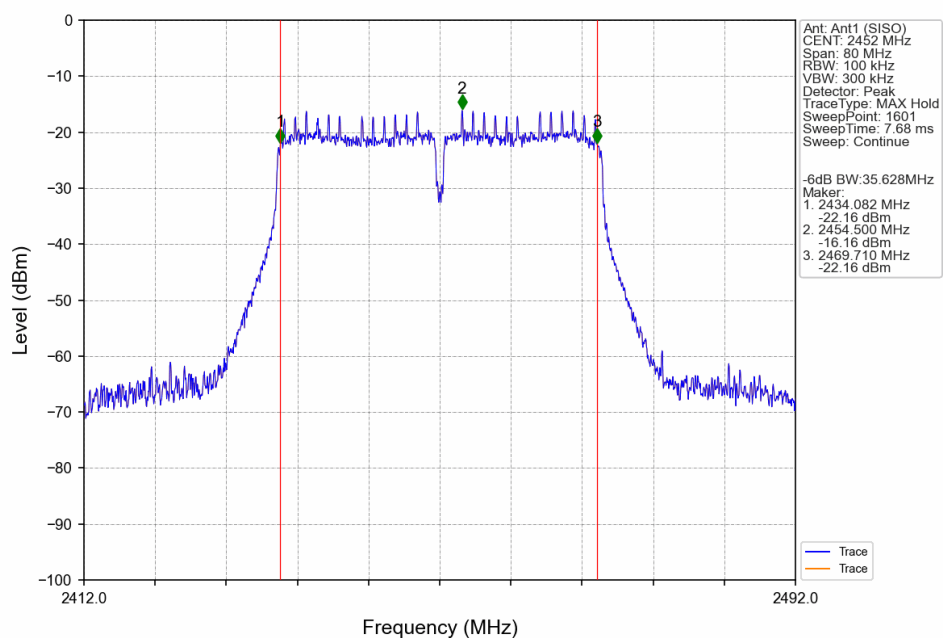
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



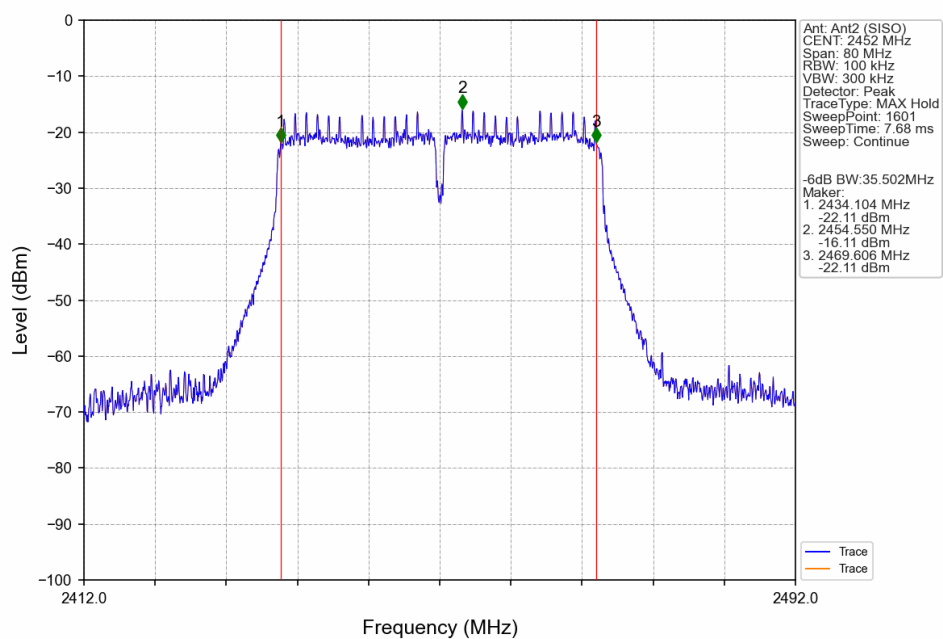
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

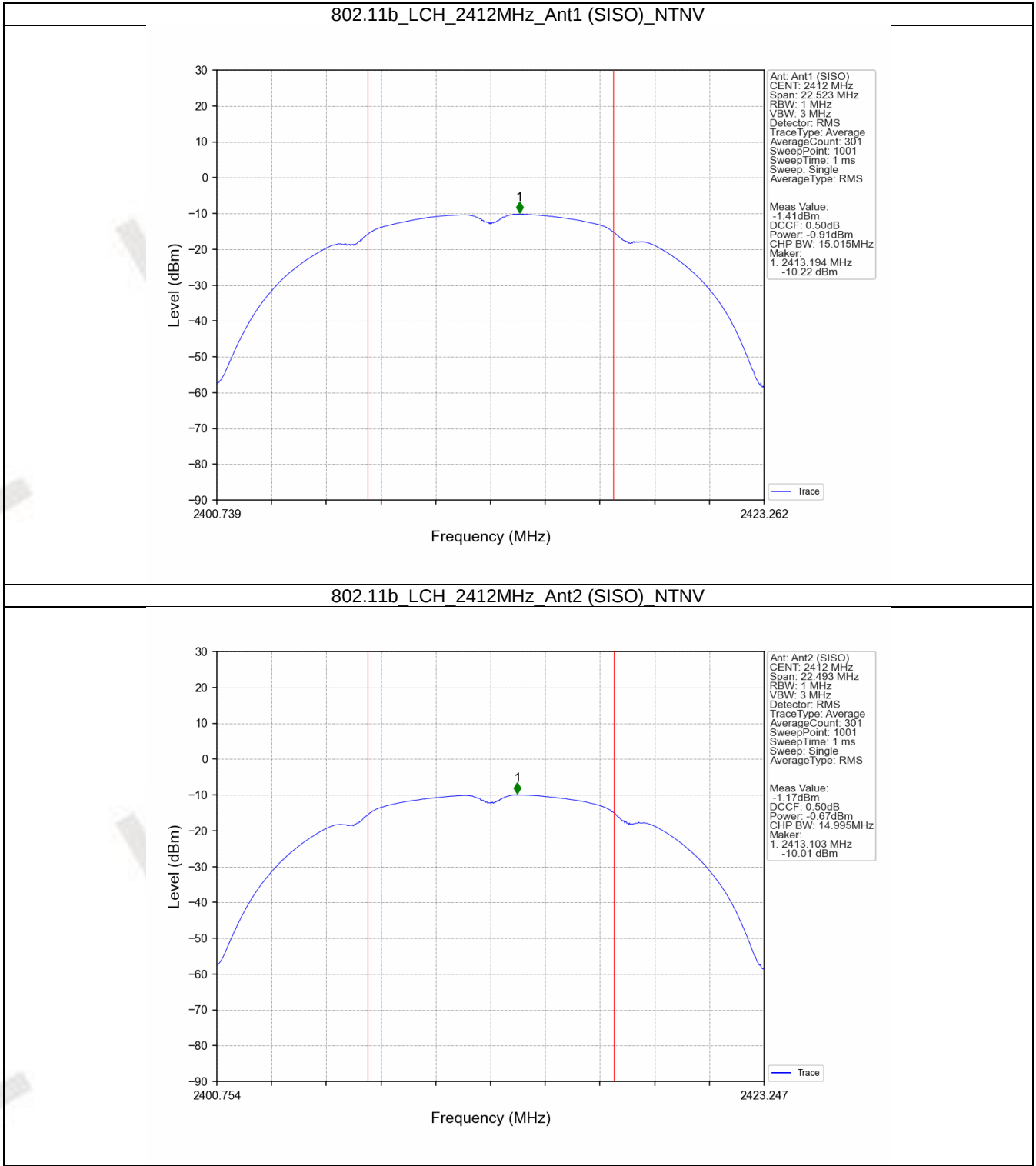
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11b	SISO	2412	-0.91	-0.67	<=30	Pass
		2437	-1.29	-1.43	<=30	Pass
		2462	-1.23	-1.13	<=30	Pass
802.11g	SISO	2412	-1.60	-1.74	<=30	Pass
		2437	-1.92	-2.39	<=30	Pass
		2462	-2.14	-2.43	<=30	Pass
802.11n (HT20)	SISO	2412	-1.72	-1.75	<=30	Pass
		2437	-2.14	-2.48	<=30	Pass
		2462	-2.37	-2.52	<=30	Pass
802.11n (HT40)	SISO	2422	-1.21	-1.42	<=30	Pass
		2437	-2.03	-2.05	<=30	Pass
		2452	-2.25	-2.25	<=30	Pass

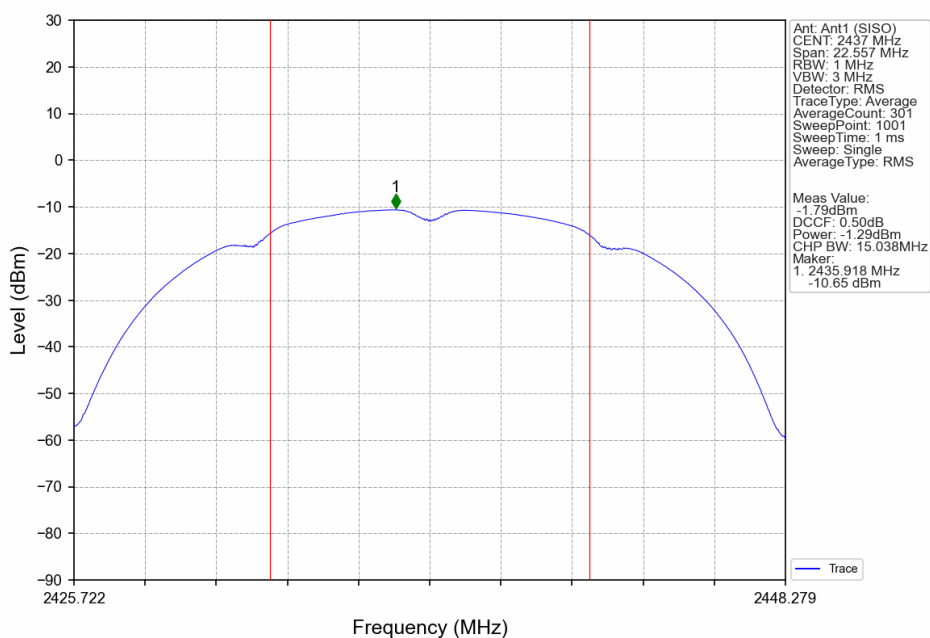
Note1: Antenna Gain: Ant1: 1.35dBi; Ant2: 1.37dBi;

3.2 Test Graph

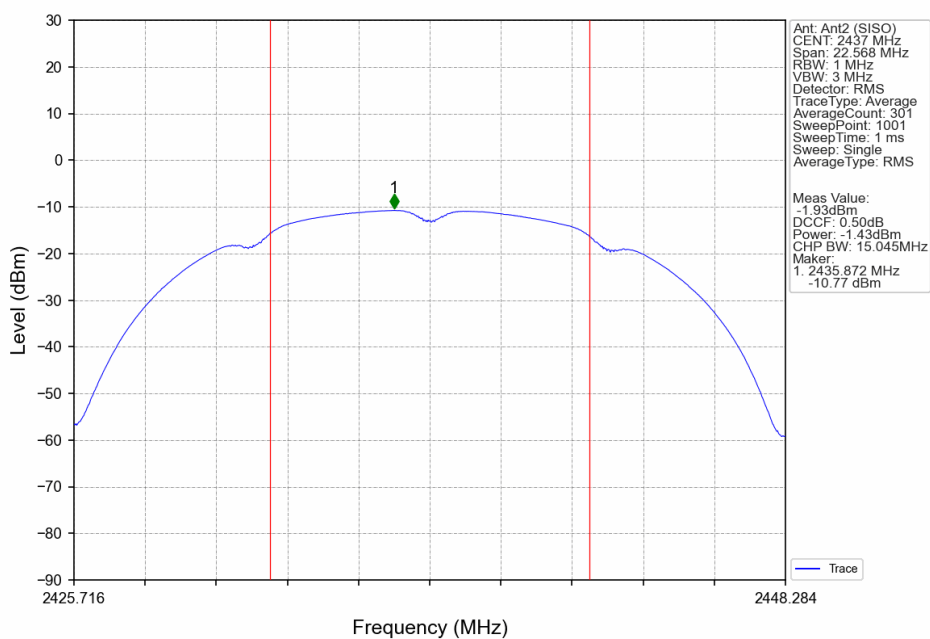
3.2.1 Power



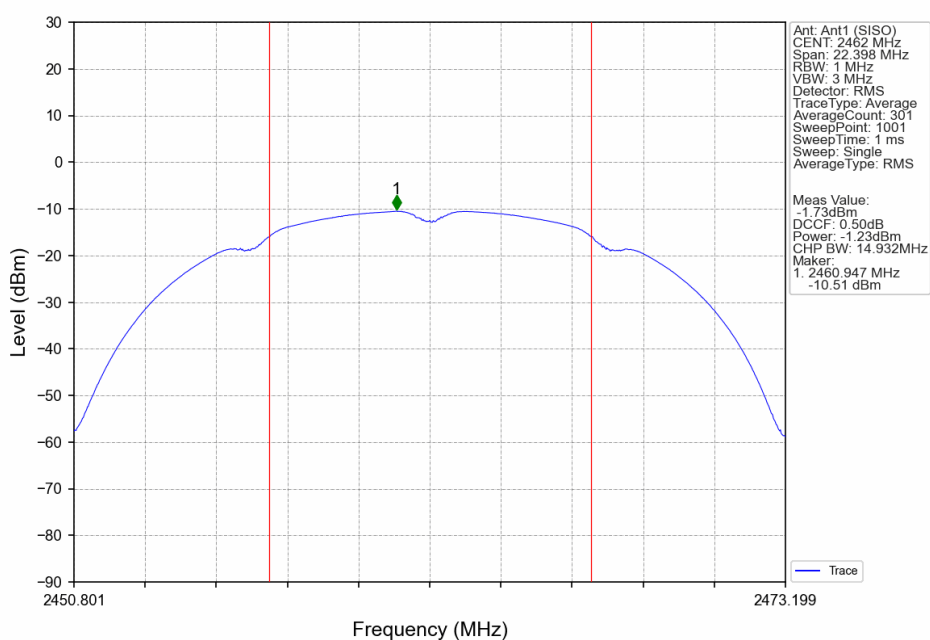
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



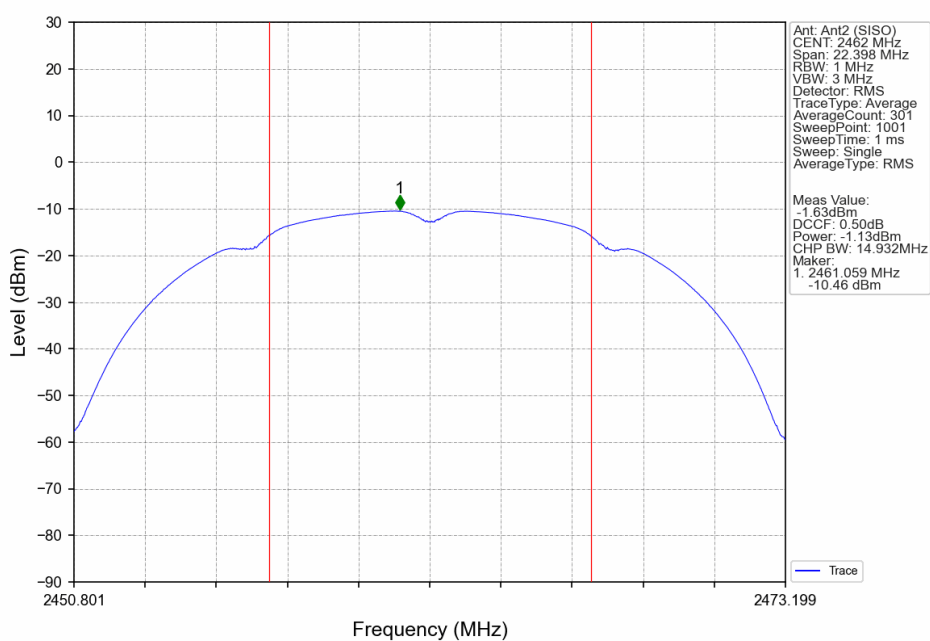
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



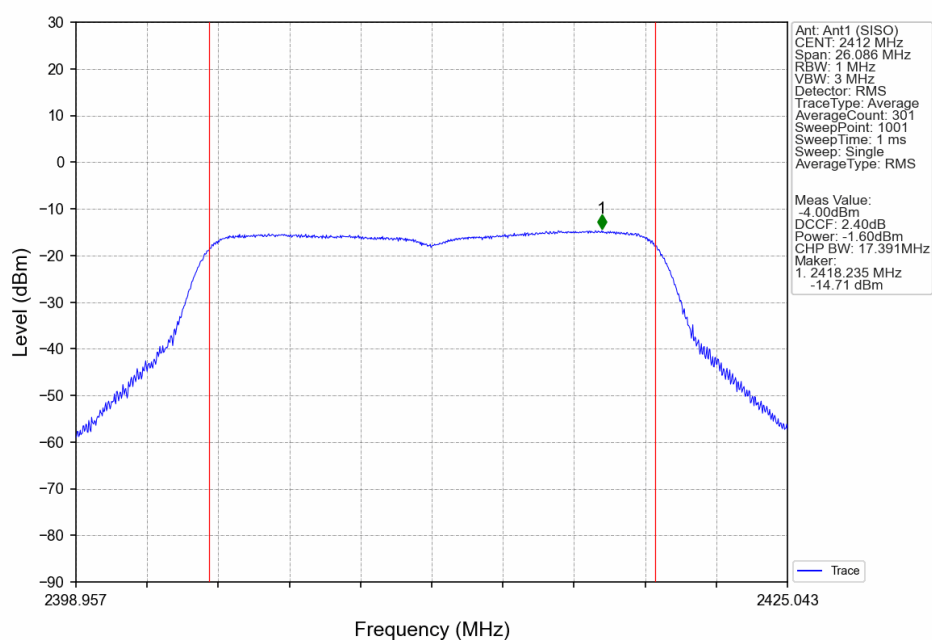
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



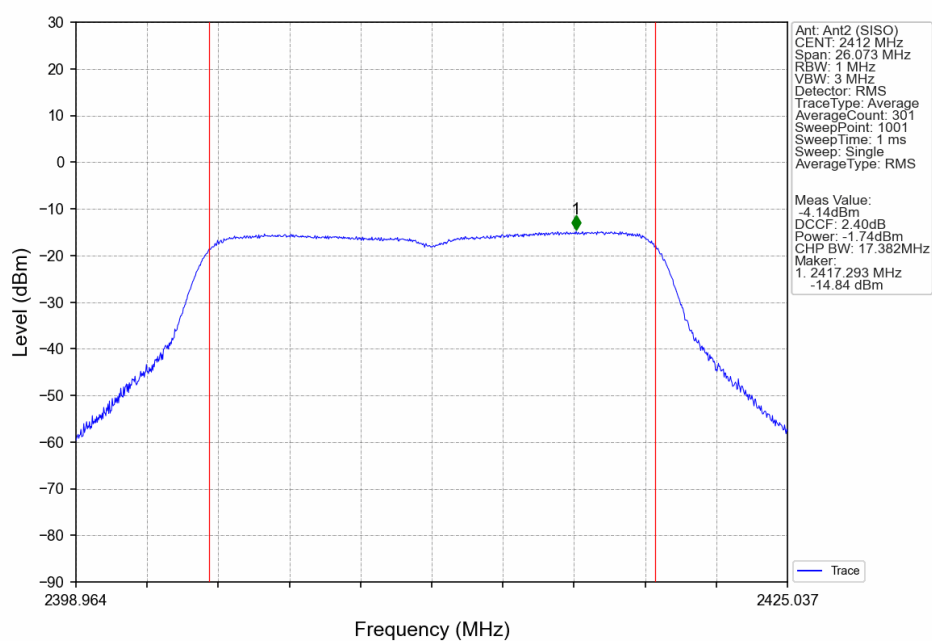
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



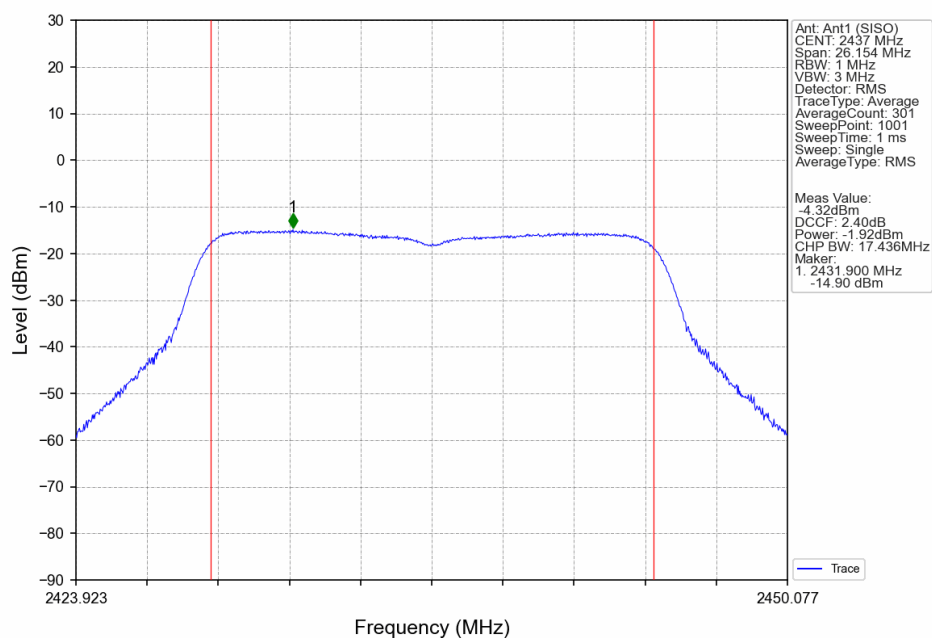
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



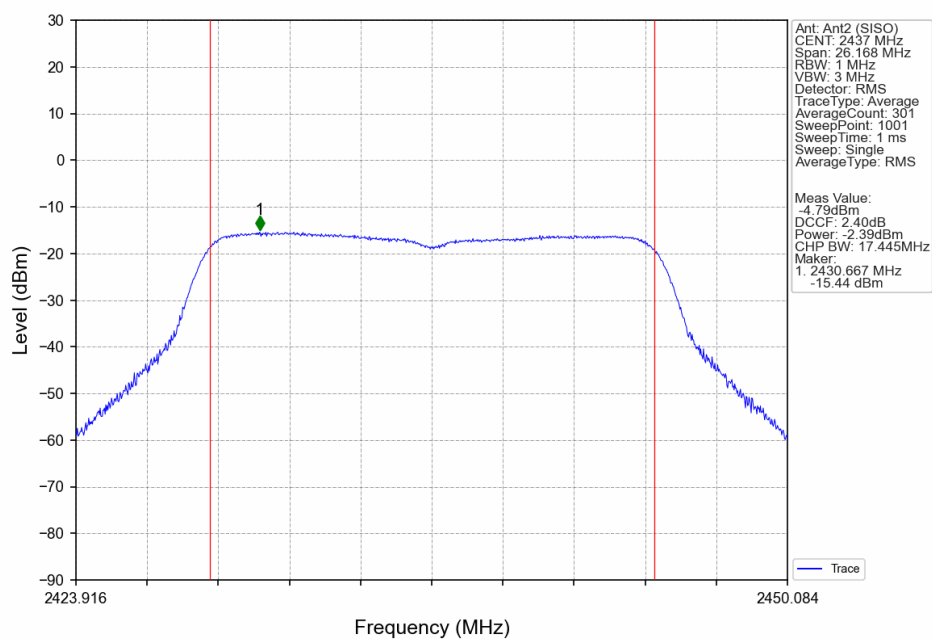
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



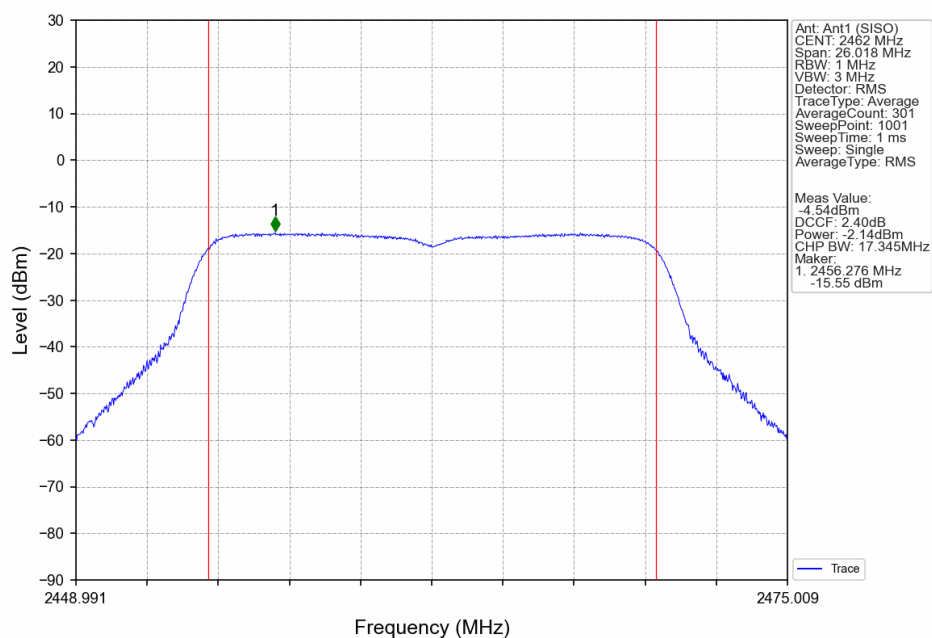
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



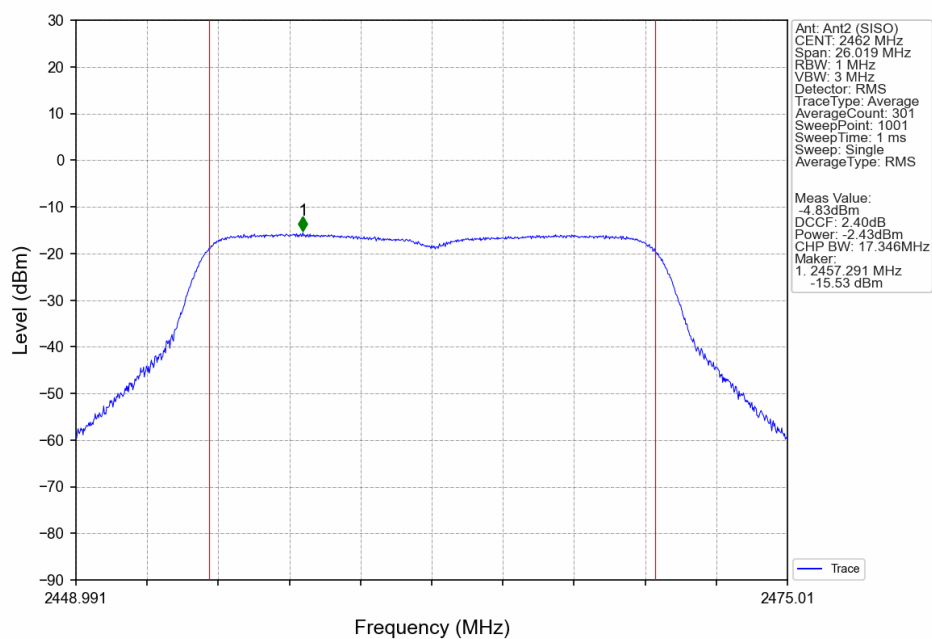
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



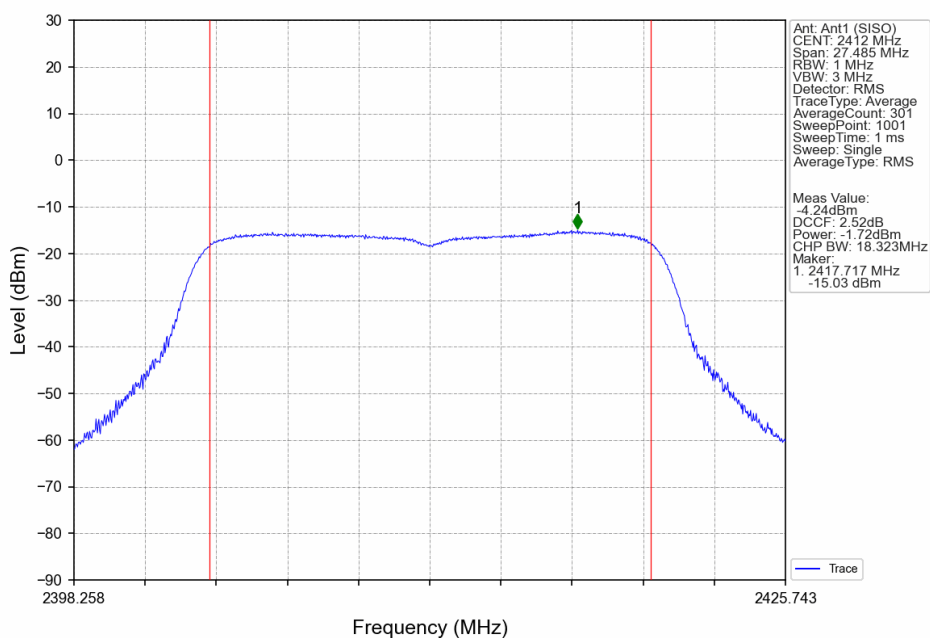
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



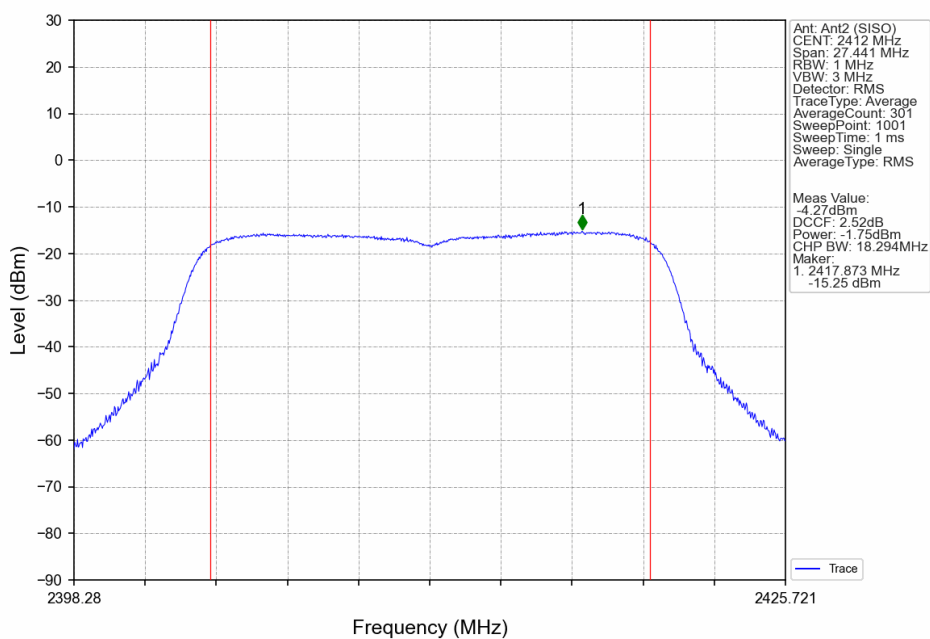
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



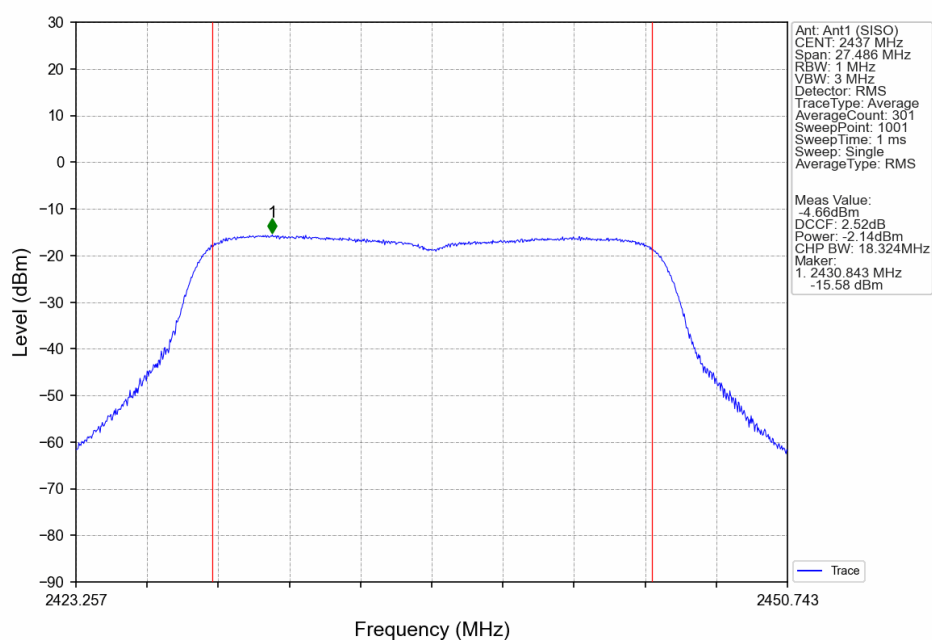
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



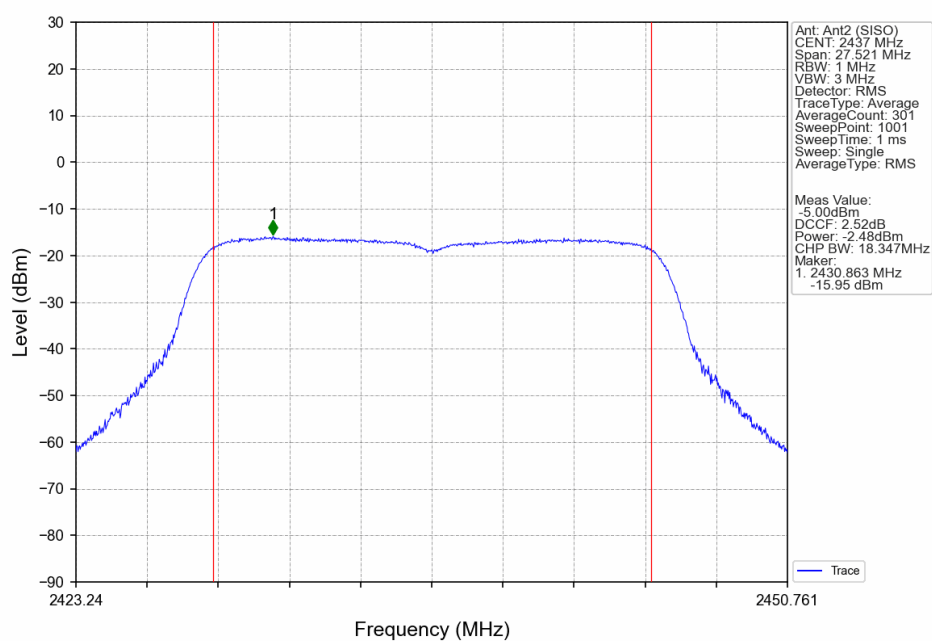
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



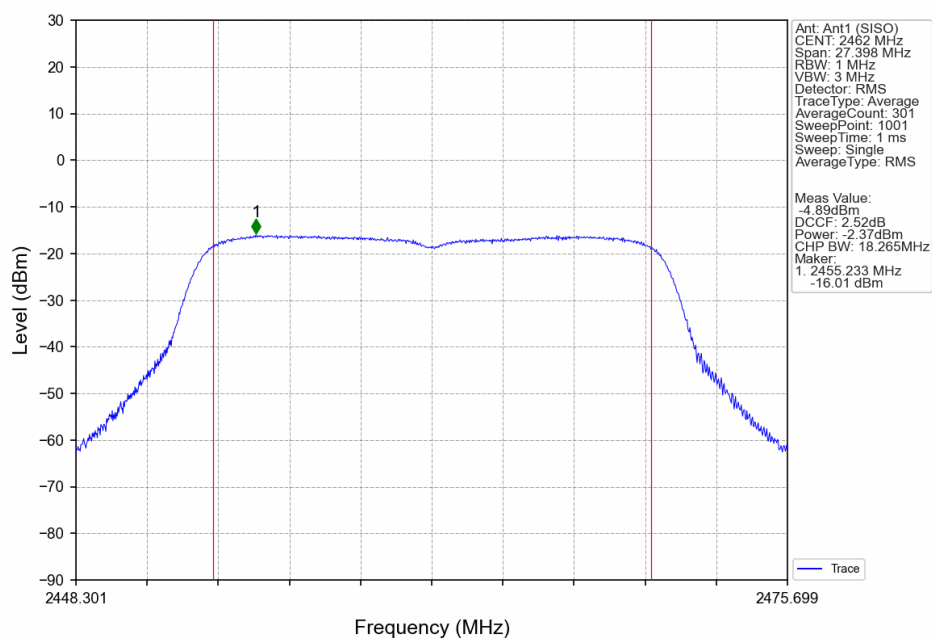
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



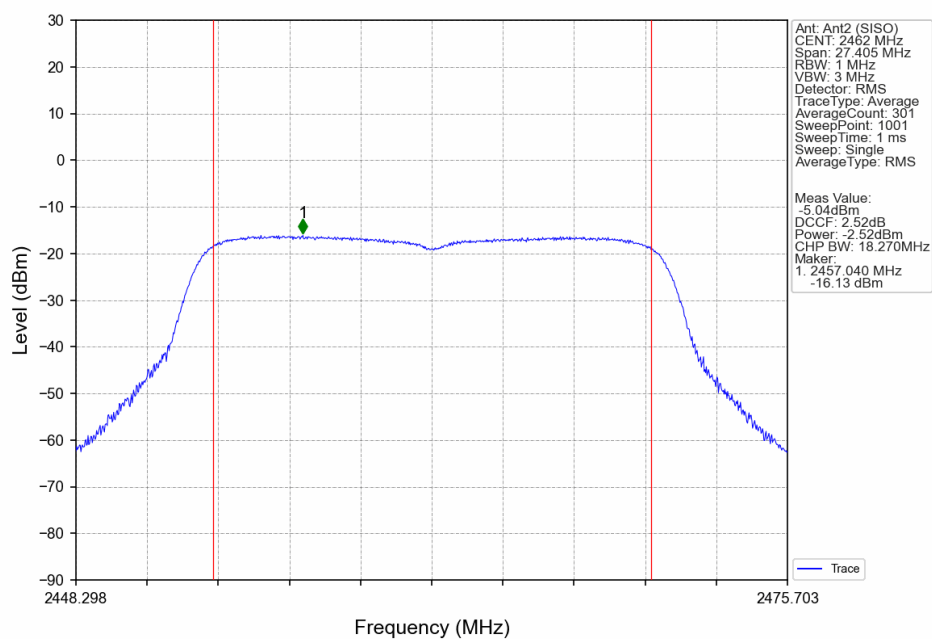
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



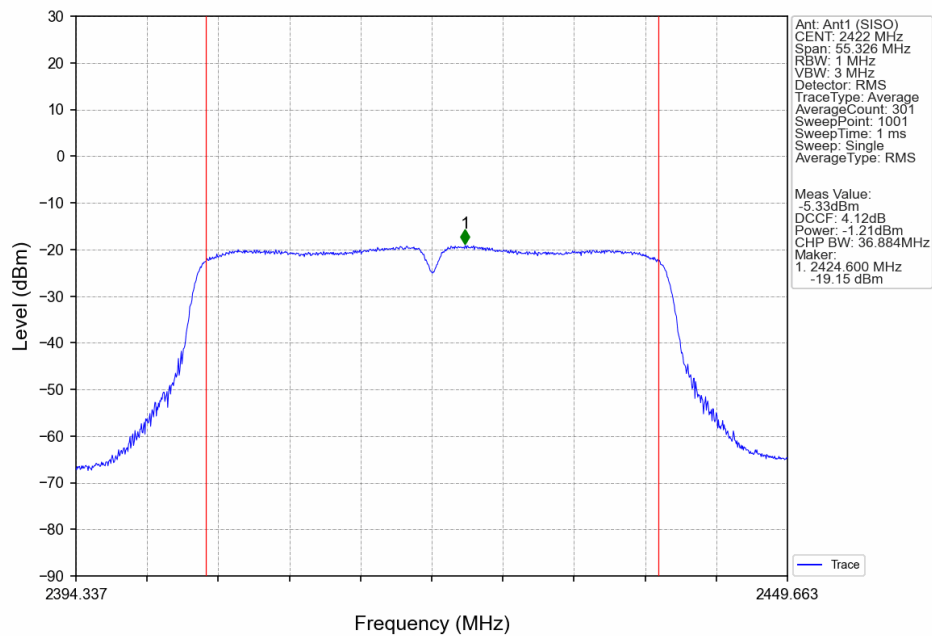
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



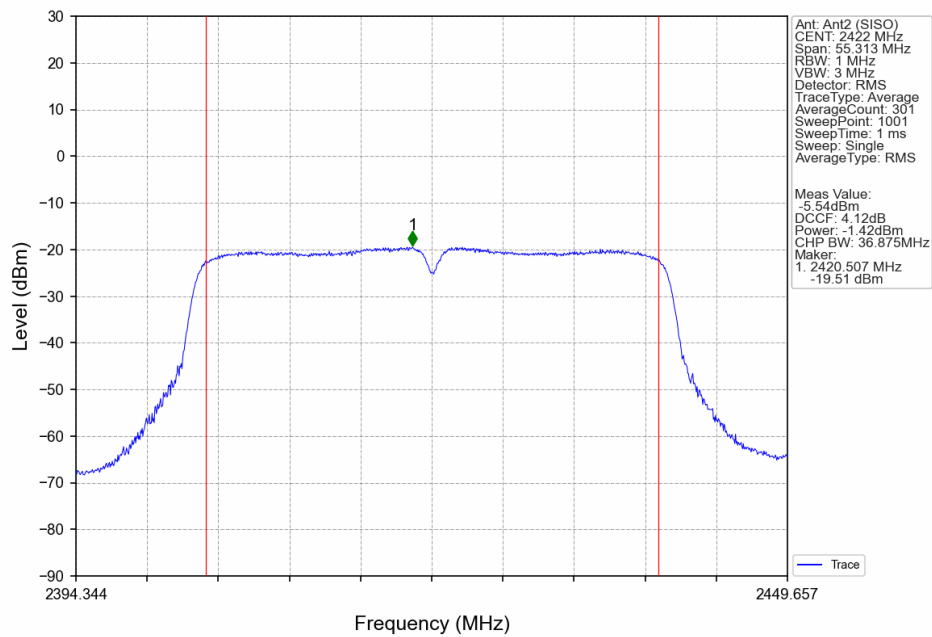
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



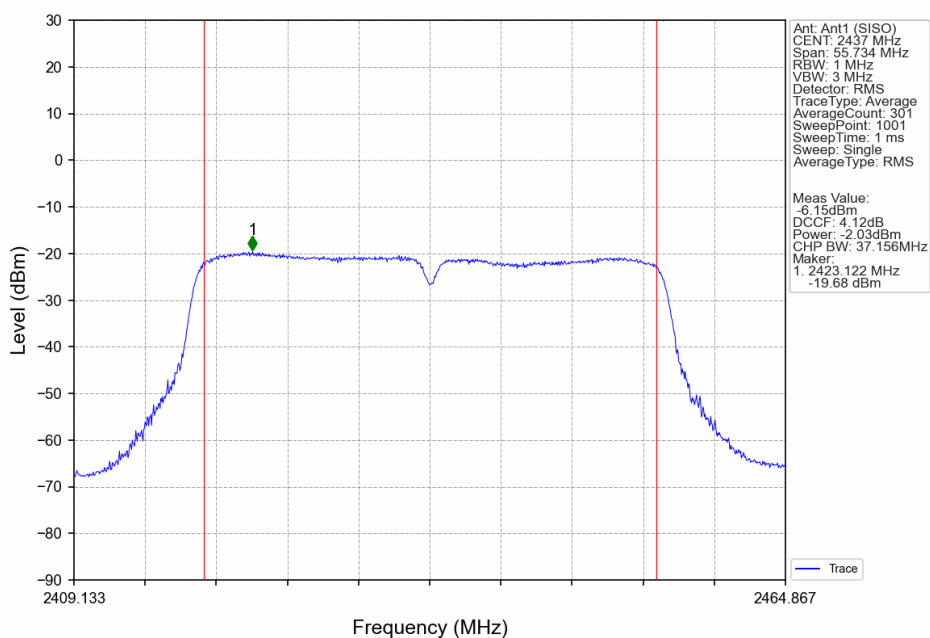
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



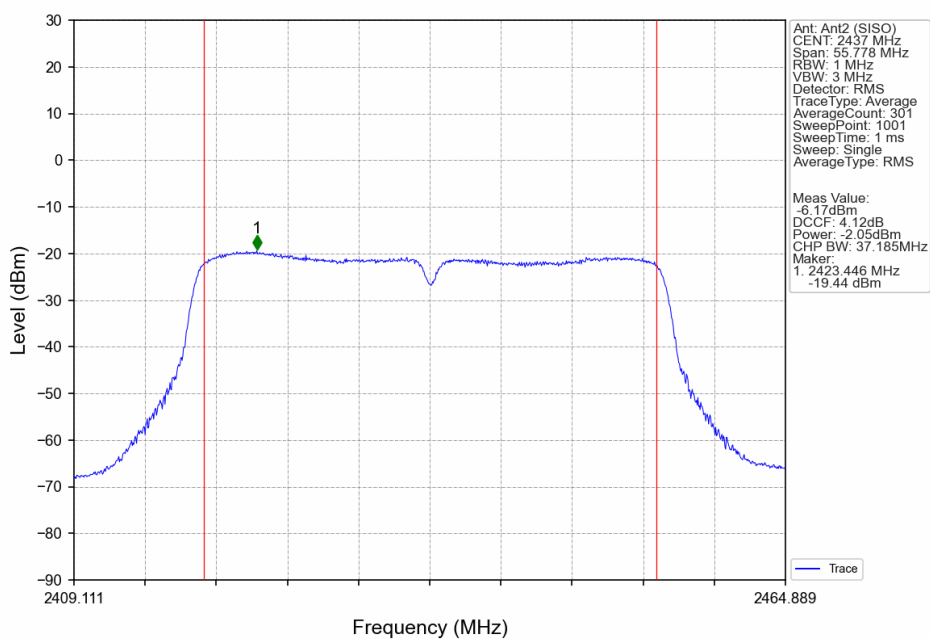
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



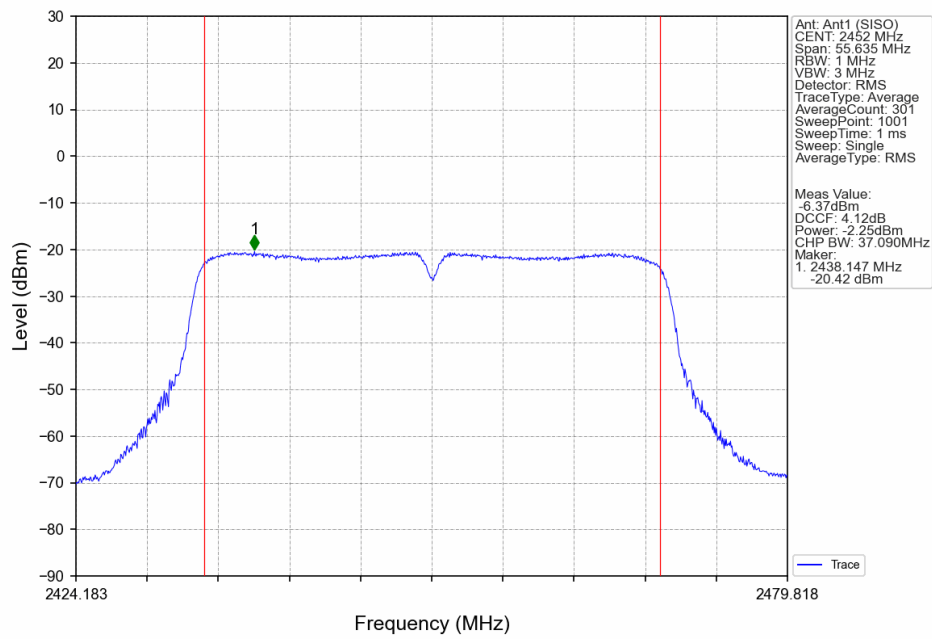
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV

