

1. Bandwidth

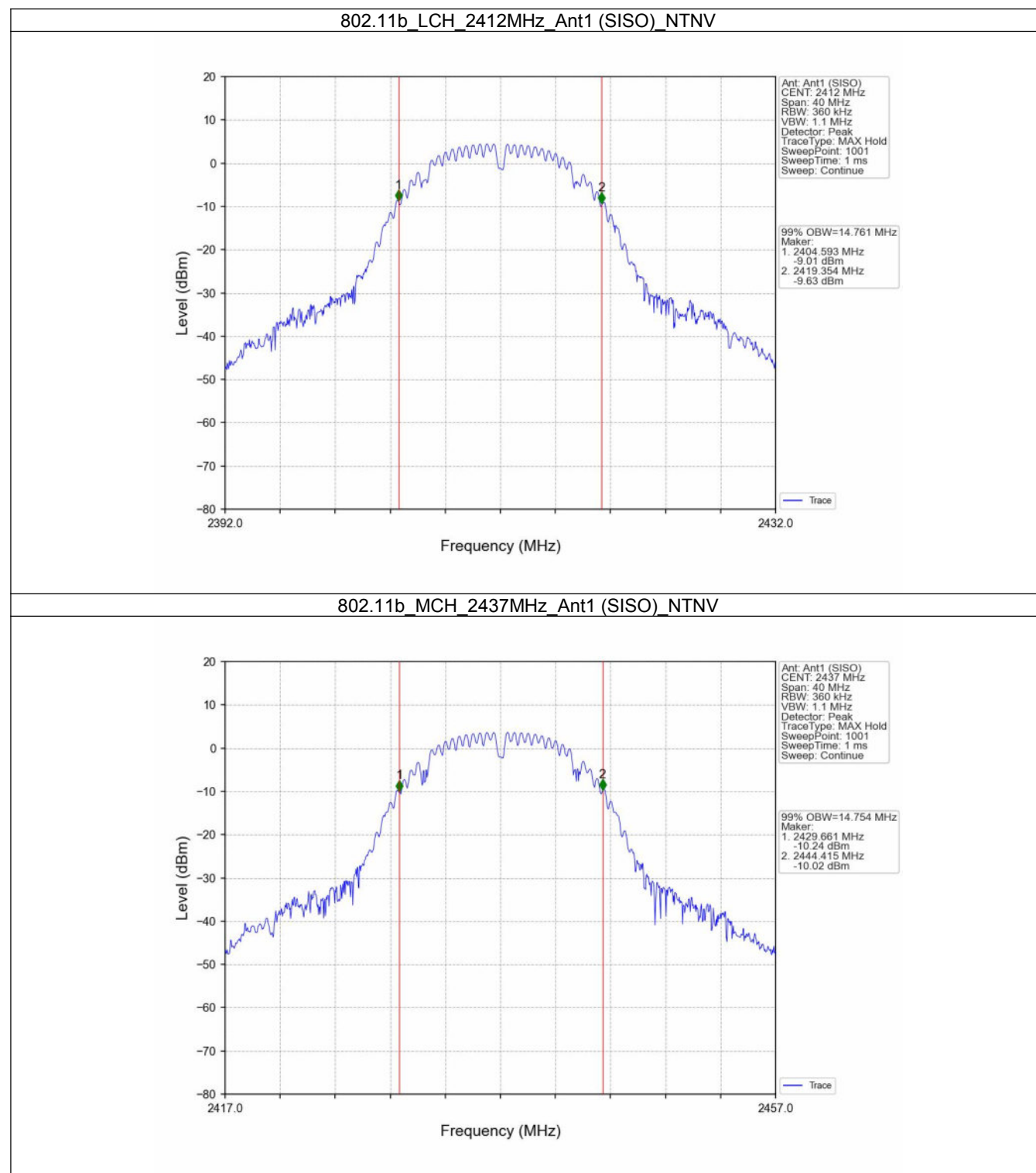
1.1 OBW

1.1.1 Test Result

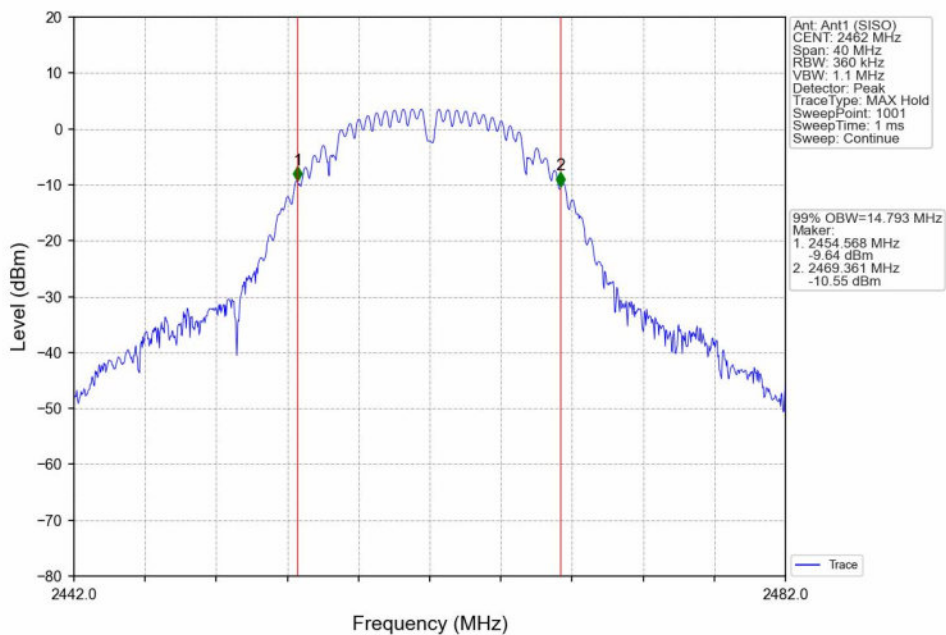
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.761	/	Pass
		2437	1	14.754	/	Pass
		2462	1	14.793	/	Pass
802.11g	SISO	2412	1	17.178	/	Pass
		2437	1	17.219	/	Pass
		2462	1	17.165	/	Pass
802.11n (HT20)	SISO	2412	1	18.365	/	Pass
		2437	1	18.405	/	Pass
		2462	1	18.320	/	Pass
802.11n (HT40)	SISO	2422	1	36.538	/	Pass
		2437	1	36.664	/	Pass
		2452	1	36.601	/	Pass

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	14.688	/	Pass
		2437	2	14.751	/	Pass
		2462	2	14.653	/	Pass
802.11g	SISO	2412	2	17.187	/	Pass
		2437	2	17.224	/	Pass
		2462	2	17.176	/	Pass
802.11n (HT20)	SISO	2412	2	18.342	/	Pass
		2437	2	18.389	/	Pass
		2462	2	18.324	/	Pass
802.11n (HT40)	SISO	2422	2	36.531	/	Pass
		2437	2	36.624	/	Pass
		2452	2	36.561	/	Pass

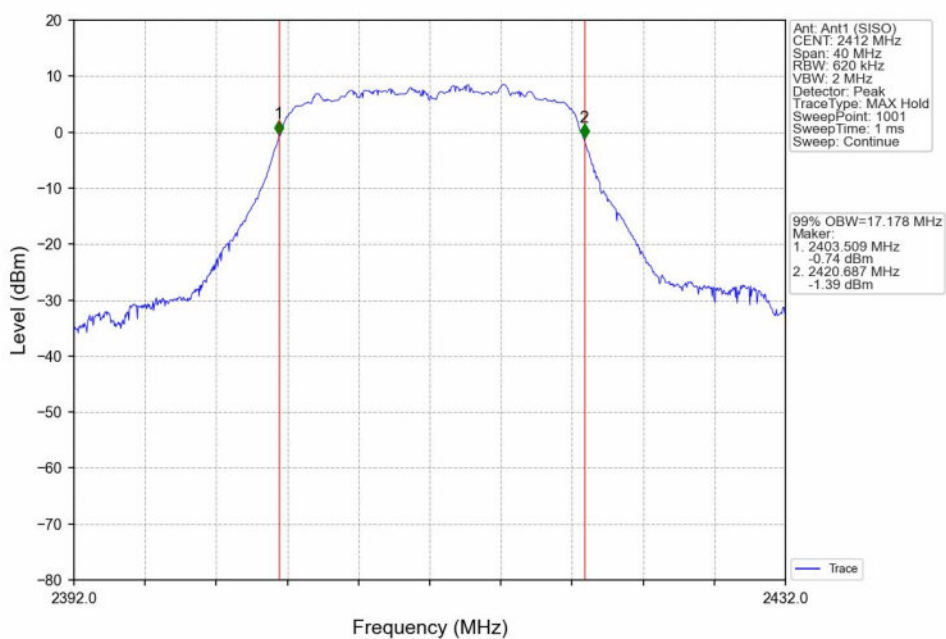
1.1.2 Test Graph



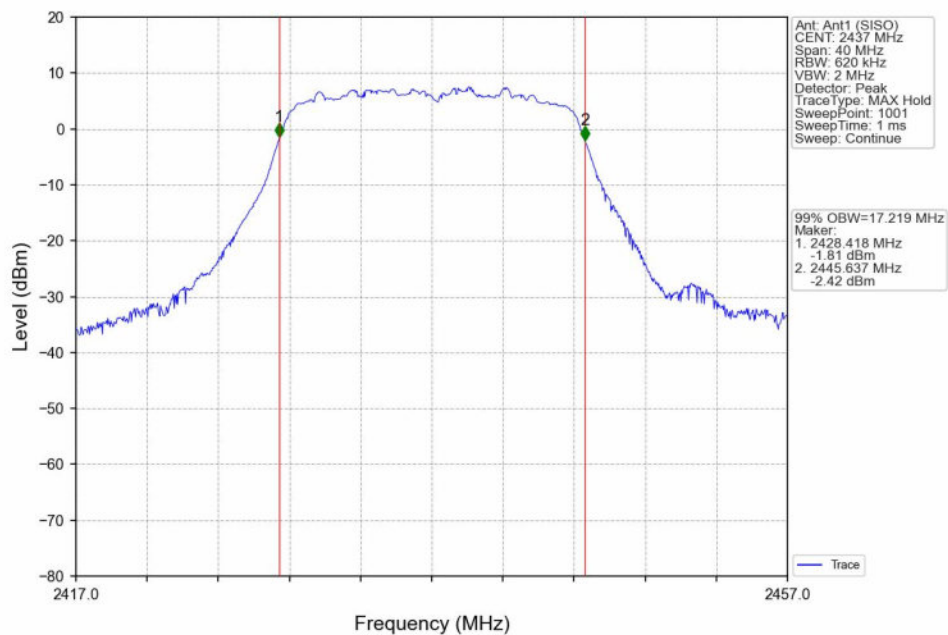
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



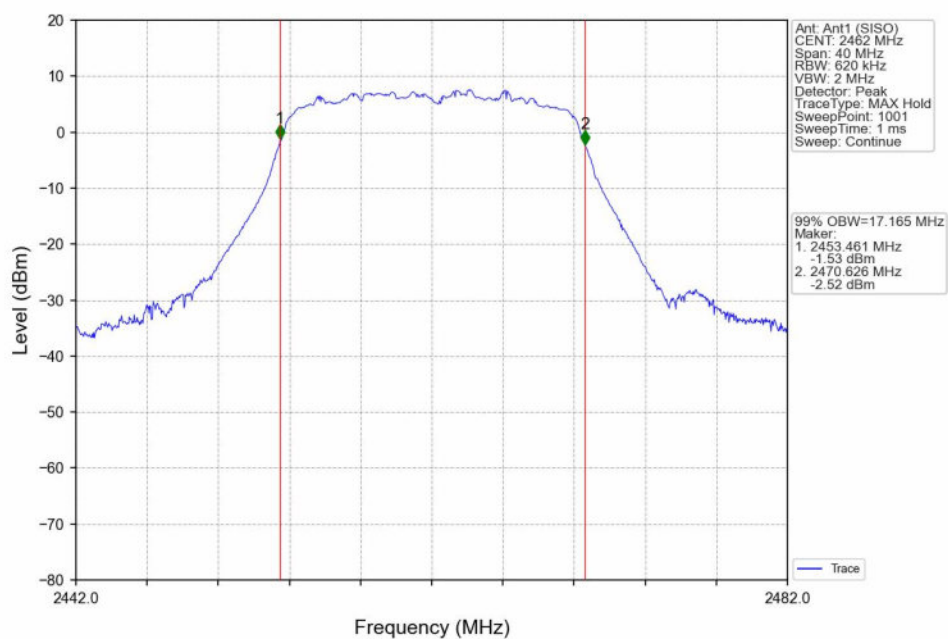
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



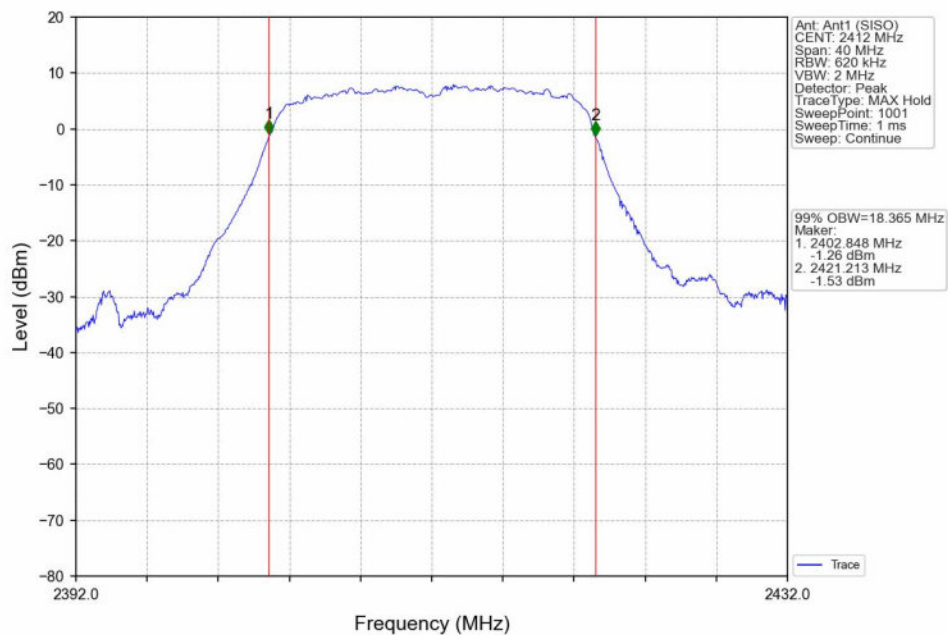
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



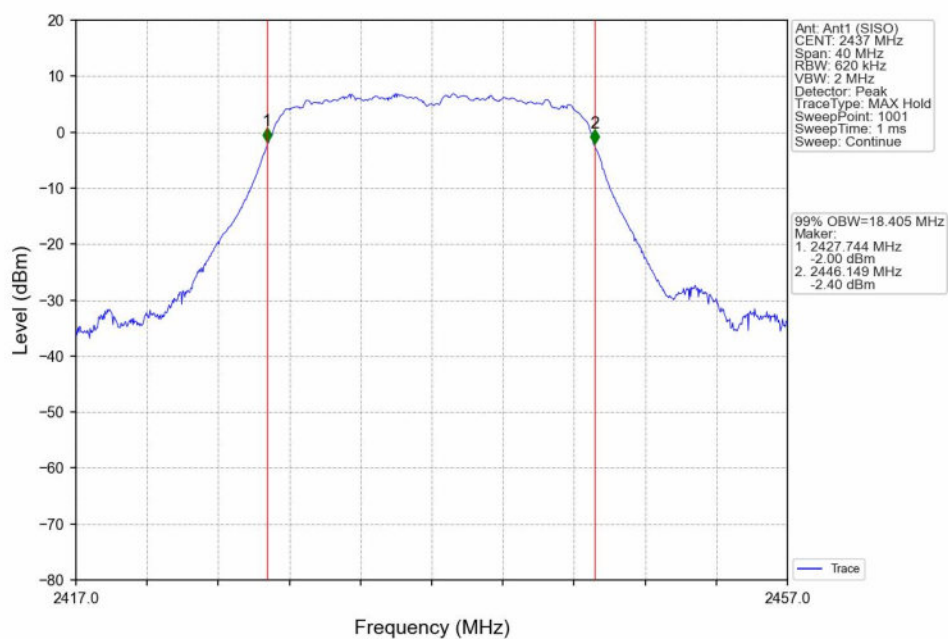
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



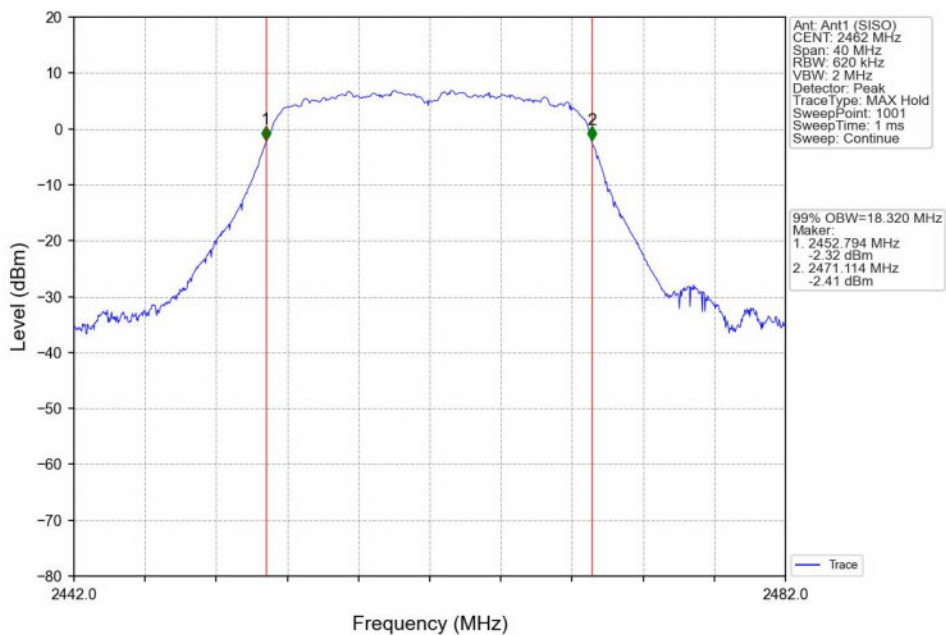
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



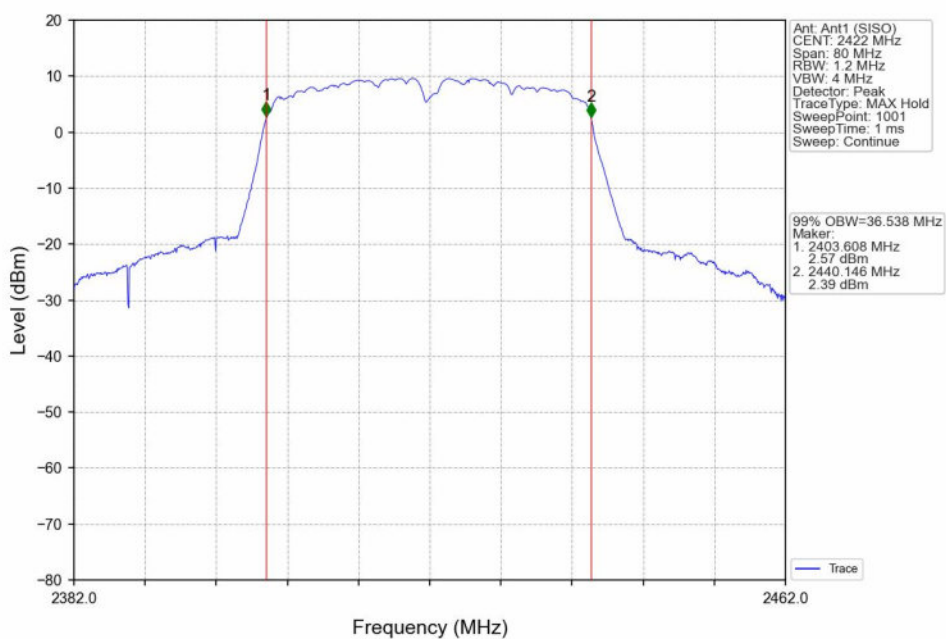
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



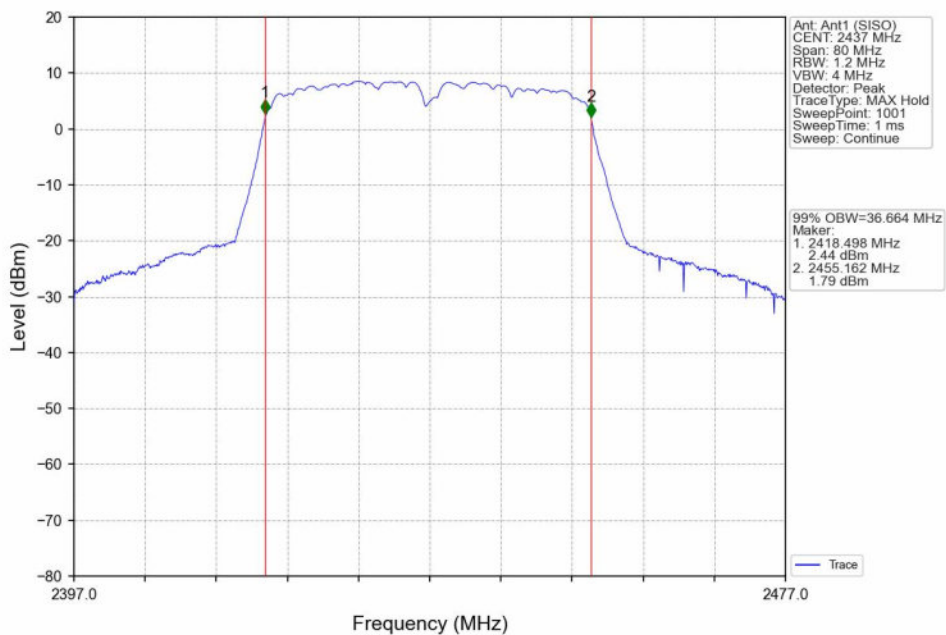
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



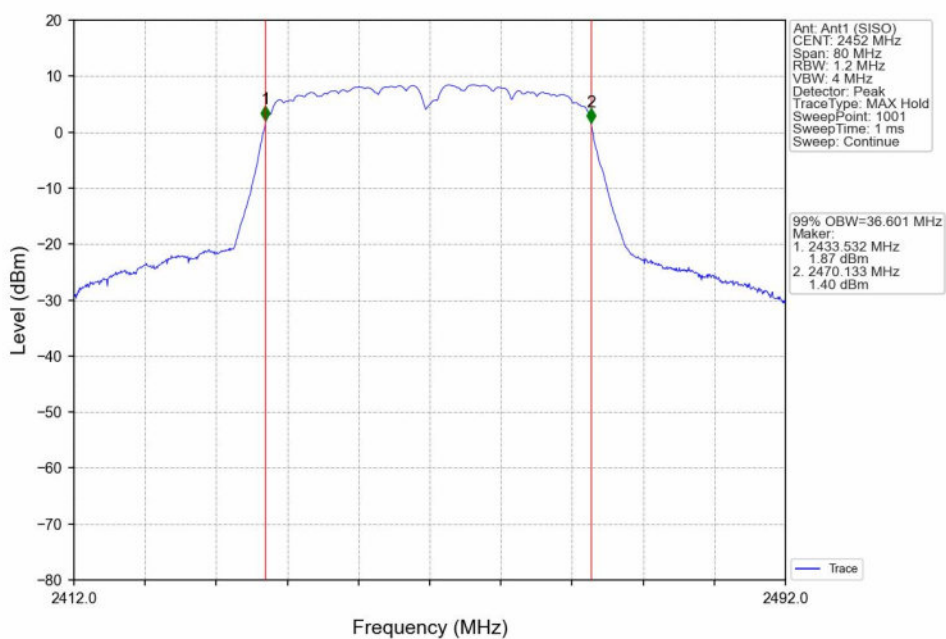
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



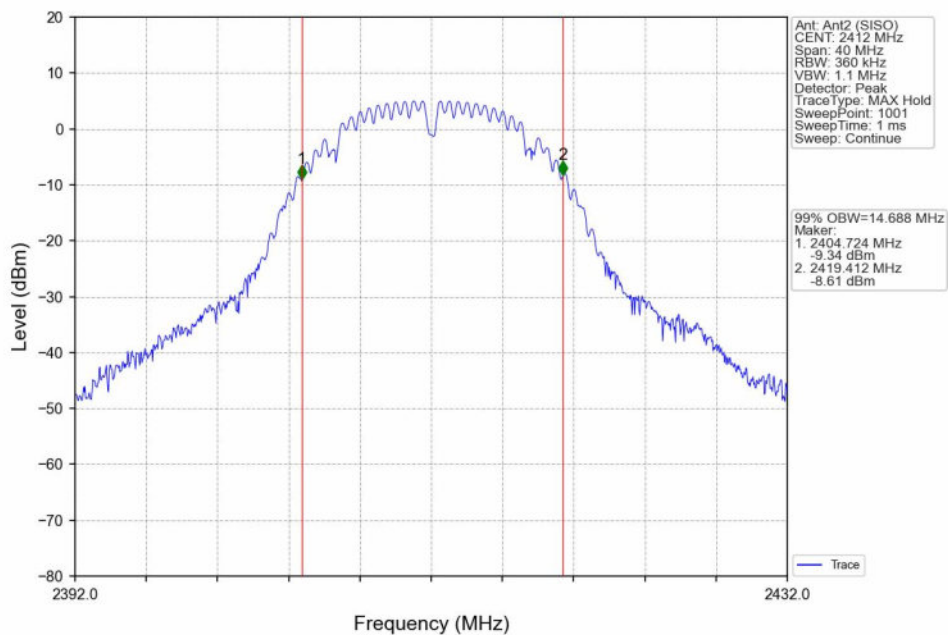
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



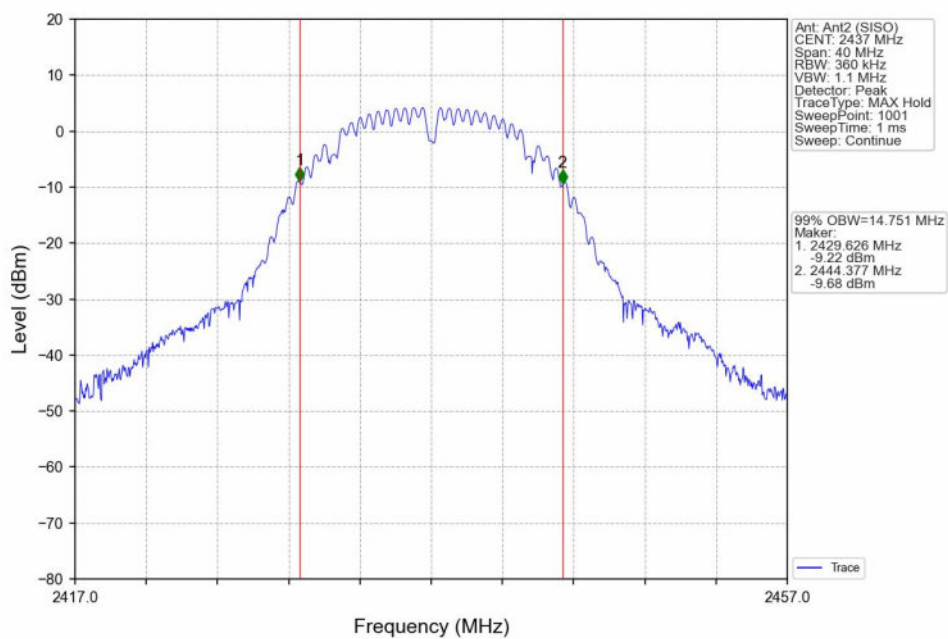
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



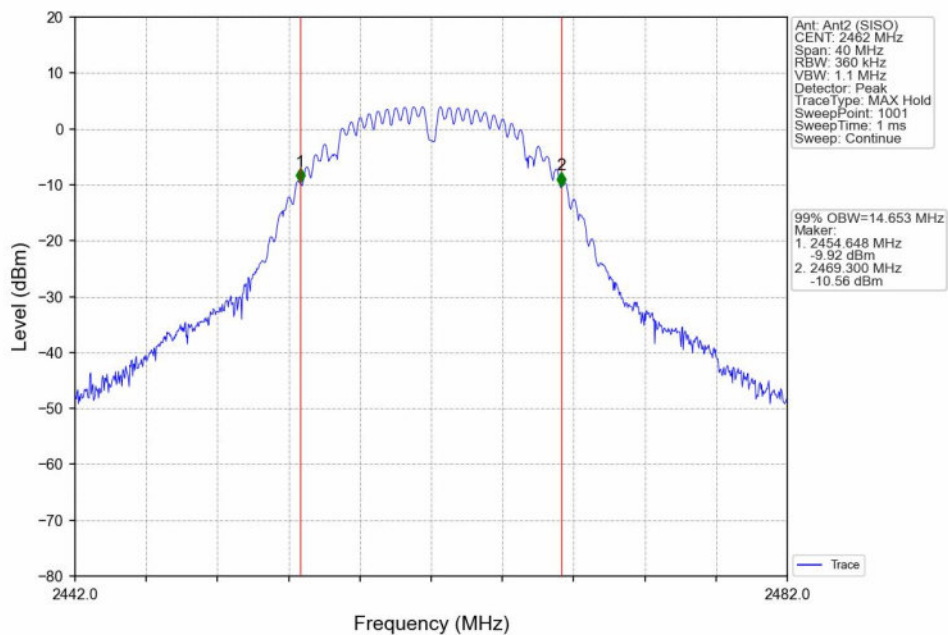
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



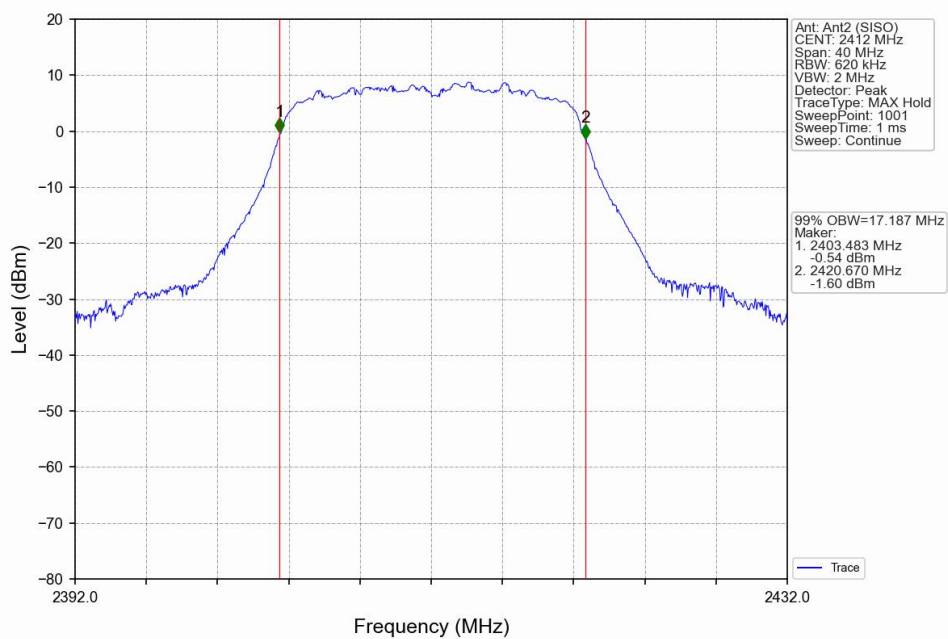
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



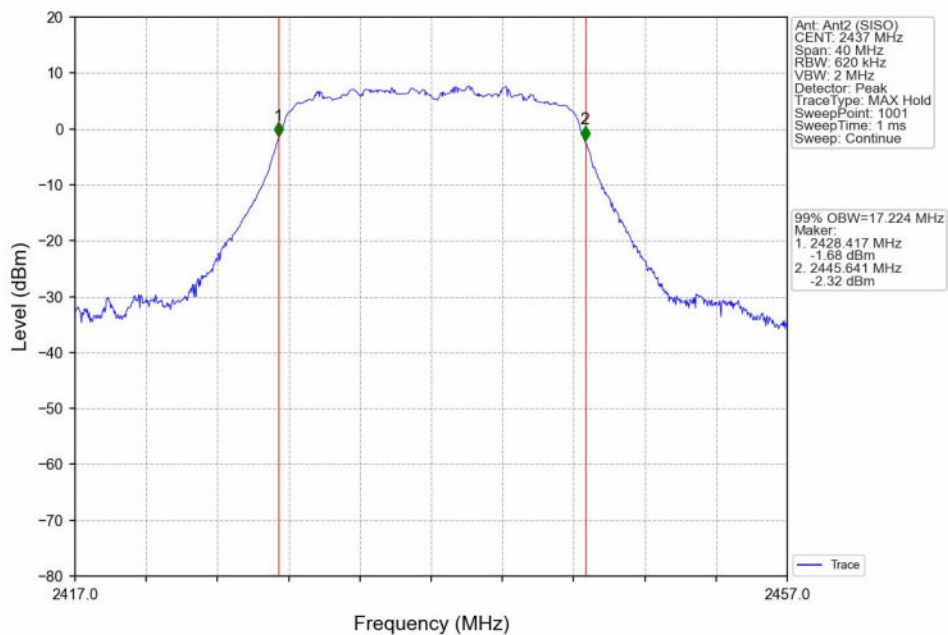
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



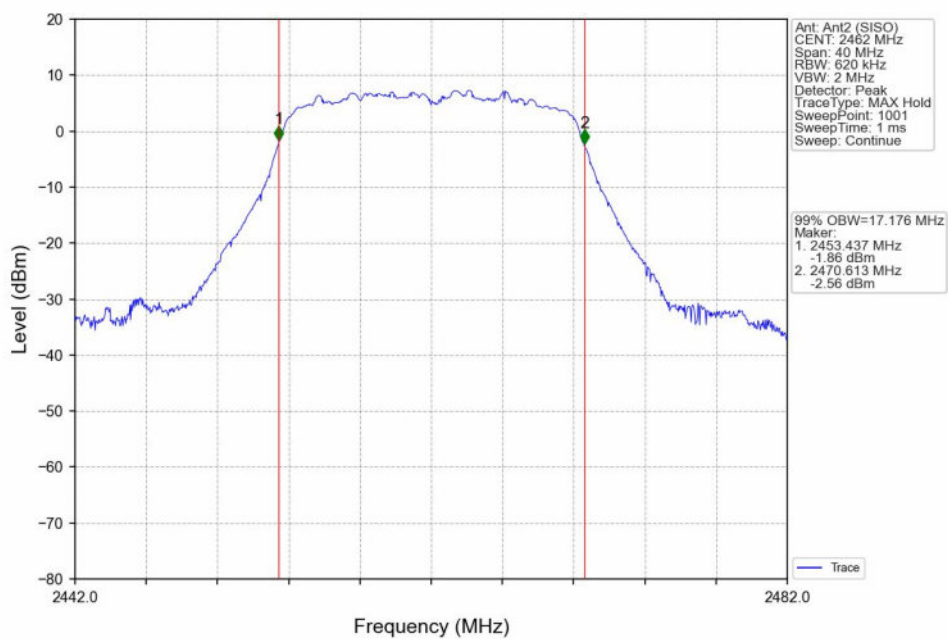
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



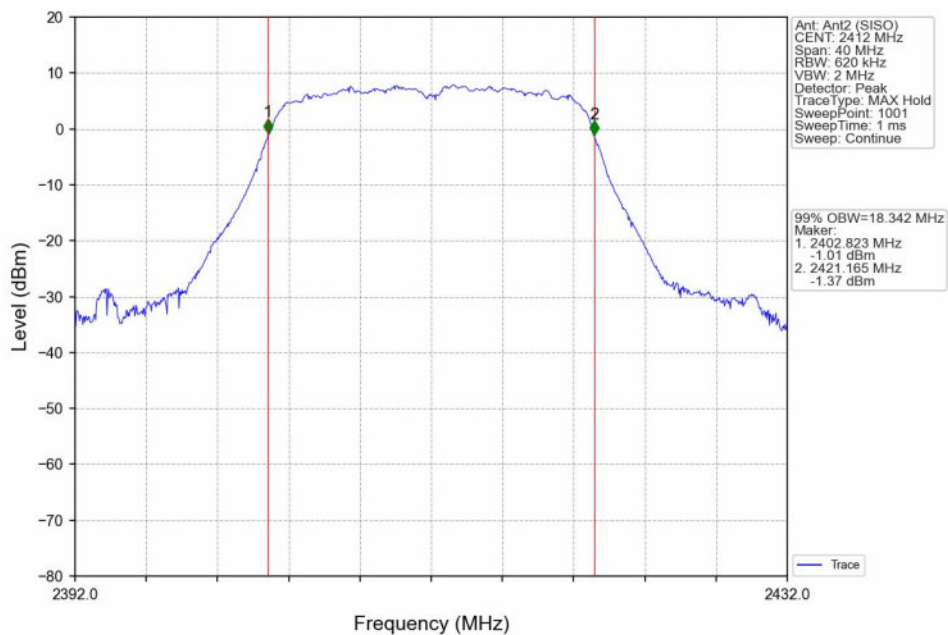
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



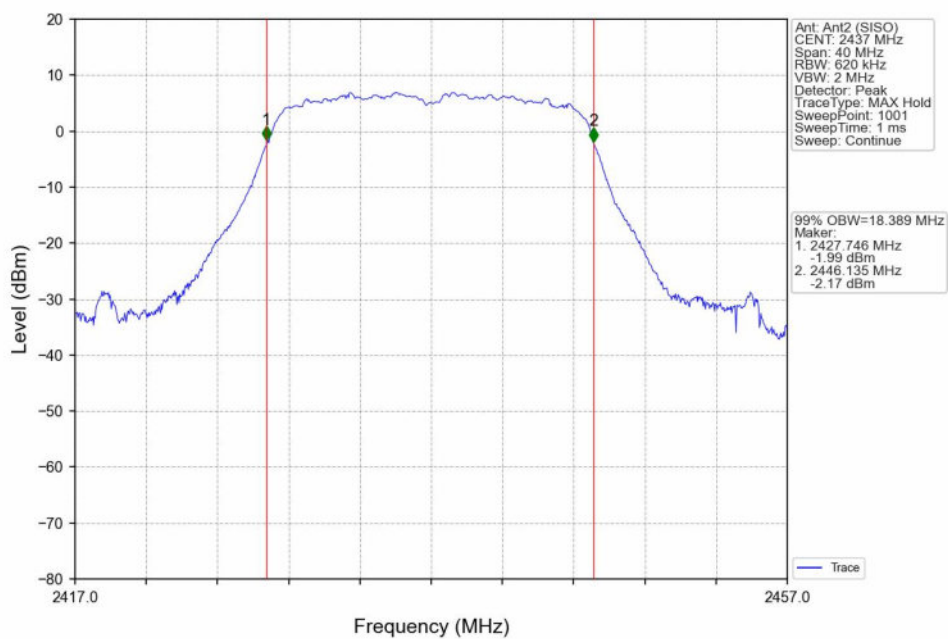
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



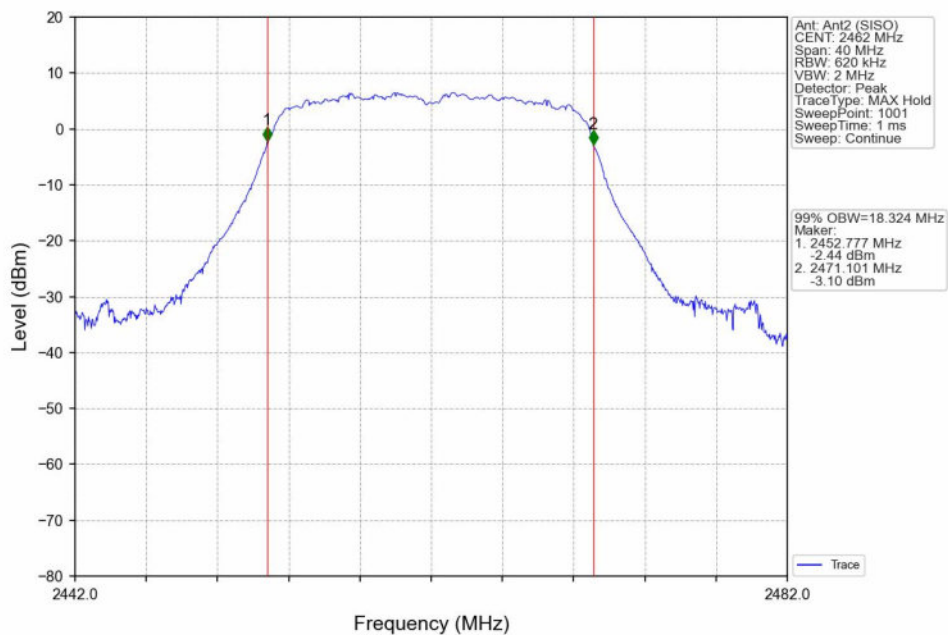
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



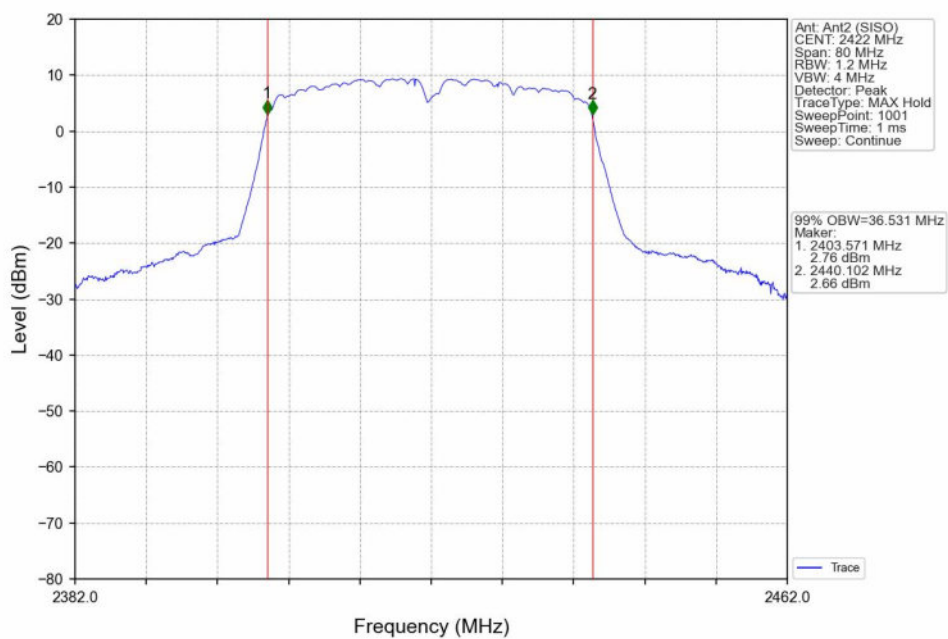
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



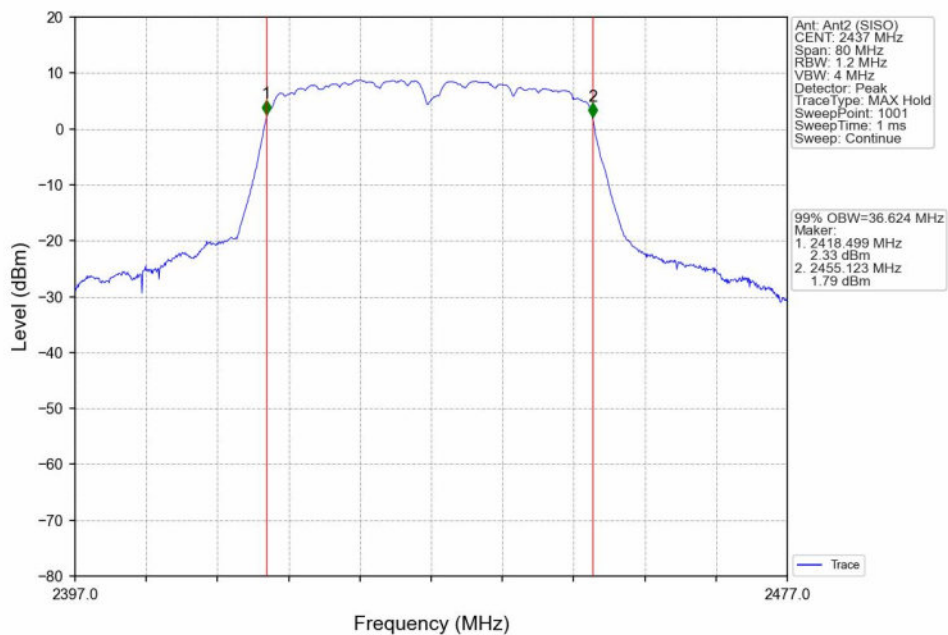
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



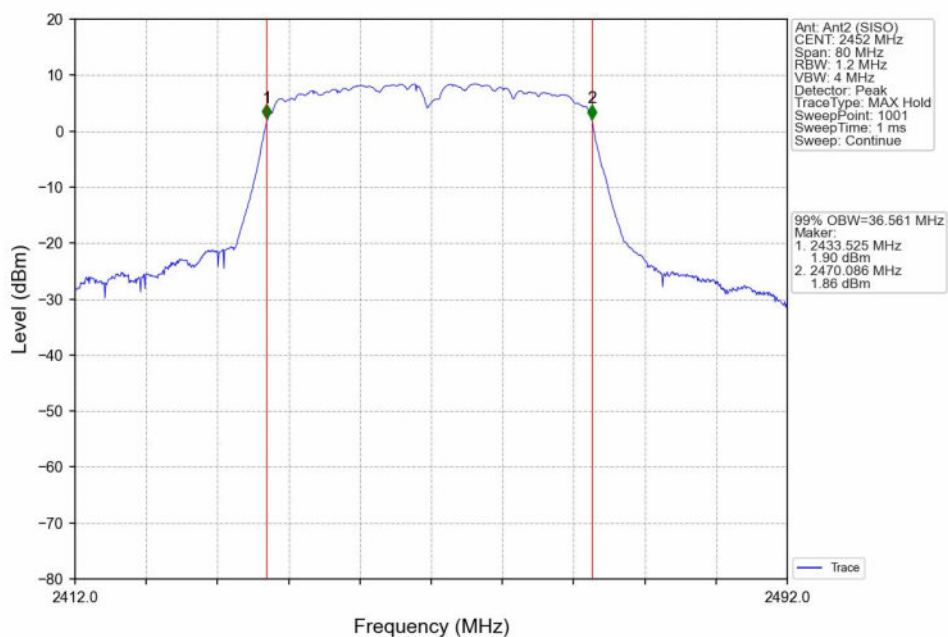
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



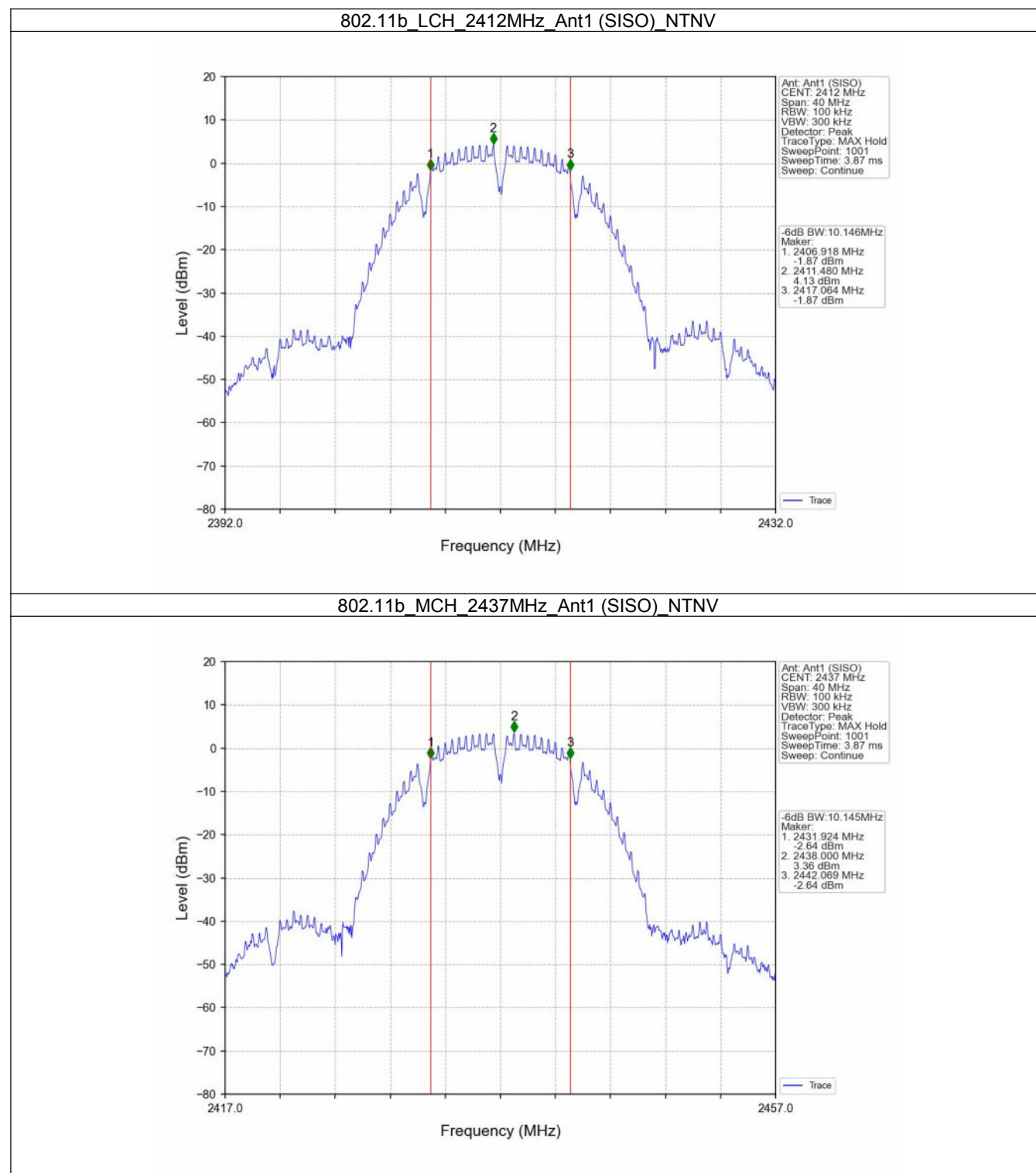
1.2 6dB BW

1.2.1 Test Result

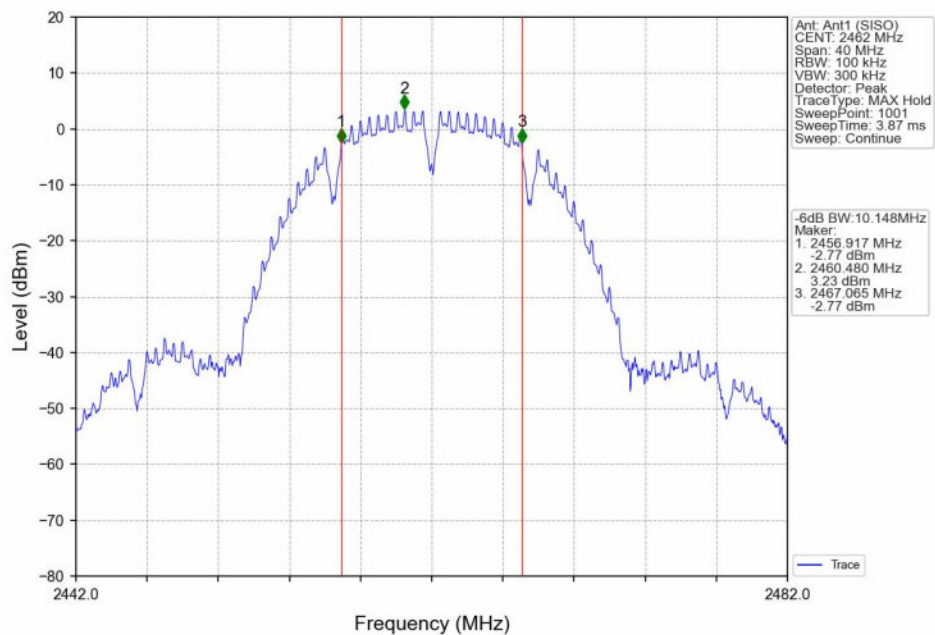
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.146	≥ 0.5	Pass
		2437	1	10.145	≥ 0.5	Pass
		2462	1	10.148	≥ 0.5	Pass
802.11g	SISO	2412	1	15.378	≥ 0.5	Pass
		2437	1	15.563	≥ 0.5	Pass
		2462	1	15.509	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.275	≥ 0.5	Pass
		2437	1	16.548	≥ 0.5	Pass
		2462	1	15.696	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.176	≥ 0.5	Pass
		2437	1	35.498	≥ 0.5	Pass
		2452	1	35.185	≥ 0.5	Pass

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	10.138	≥ 0.5	Pass
802.11g	SISO	2412	2	15.356	≥ 0.5	Pass
		2437	2	15.479	≥ 0.5	Pass
		2462	2	15.479	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	2	15.685	≥ 0.5	Pass
		2437	2	16.310	≥ 0.5	Pass
		2462	2	15.698	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	2	35.177	≥ 0.5	Pass
		2437	2	35.504	≥ 0.5	Pass
		2452	2	35.454	≥ 0.5	Pass

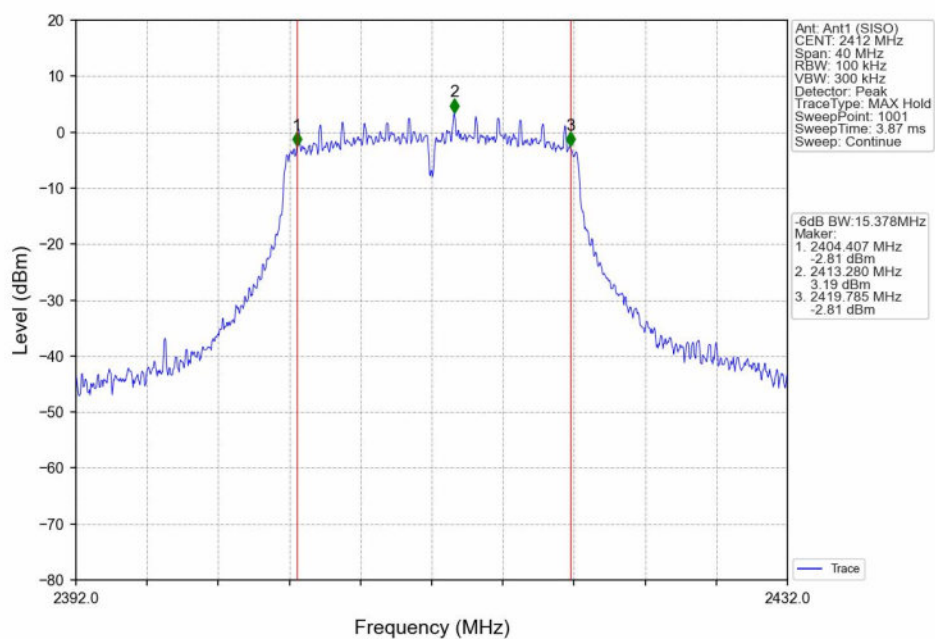
1.2.2 Test Graph



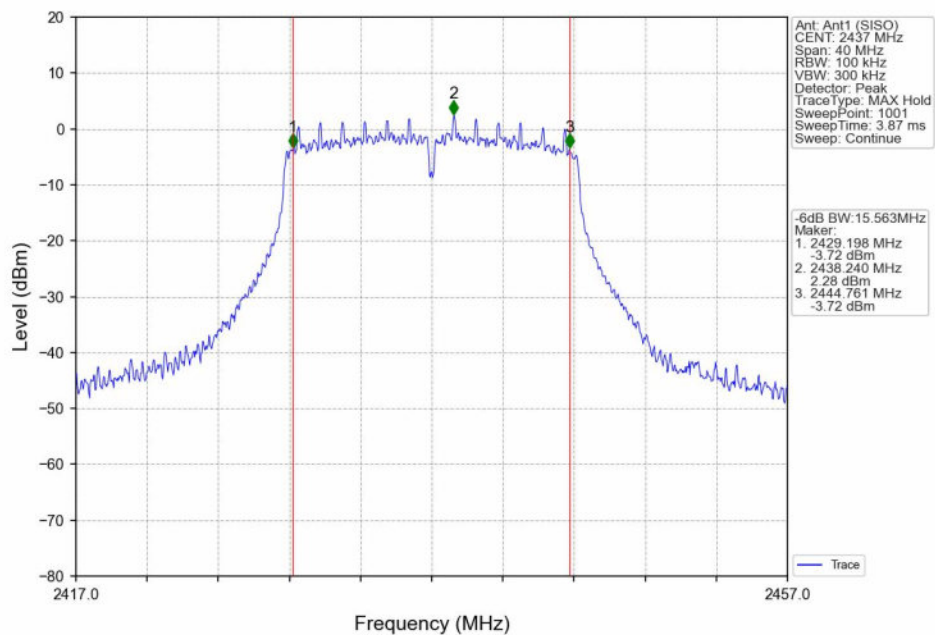
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



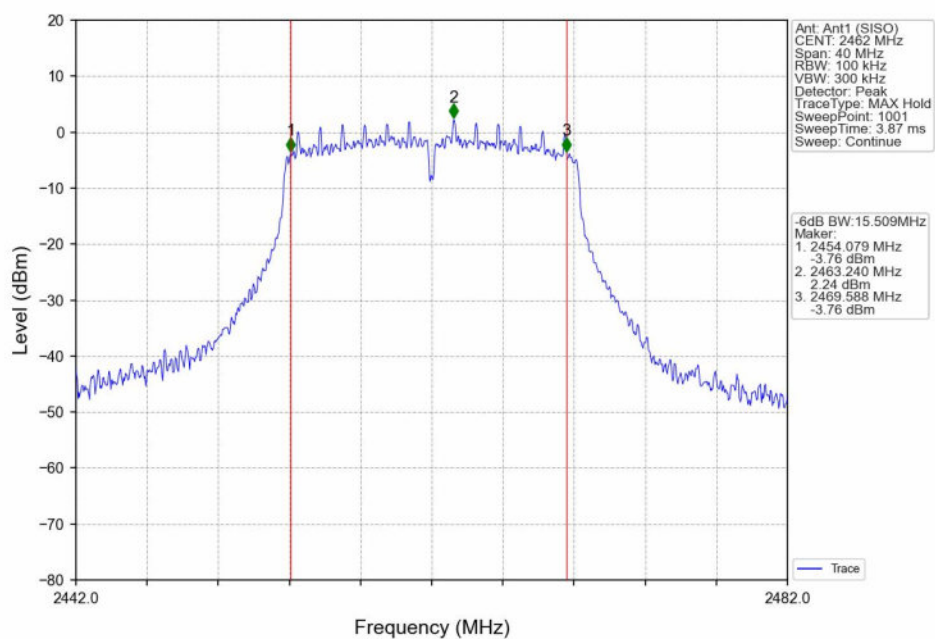
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



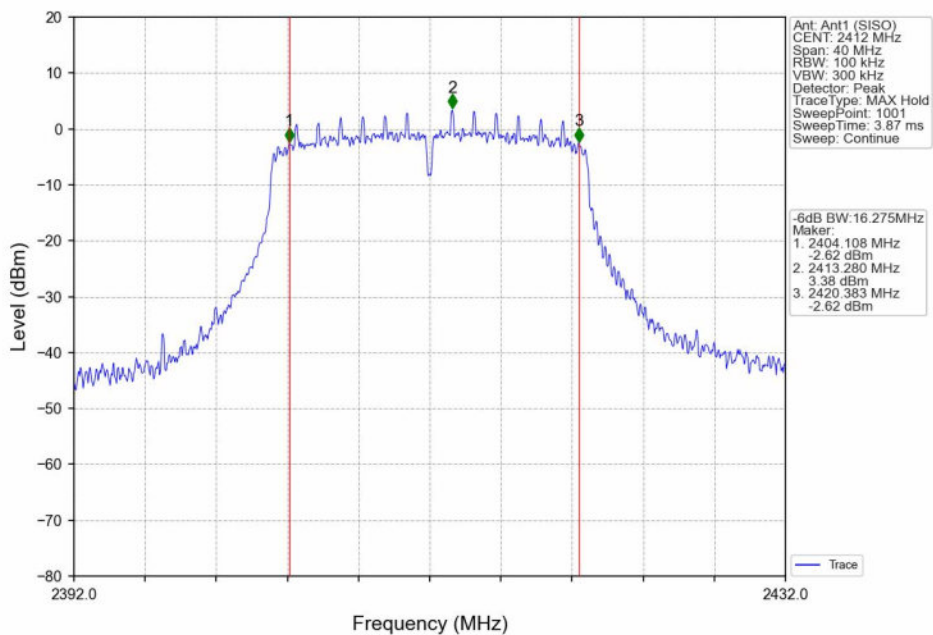
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



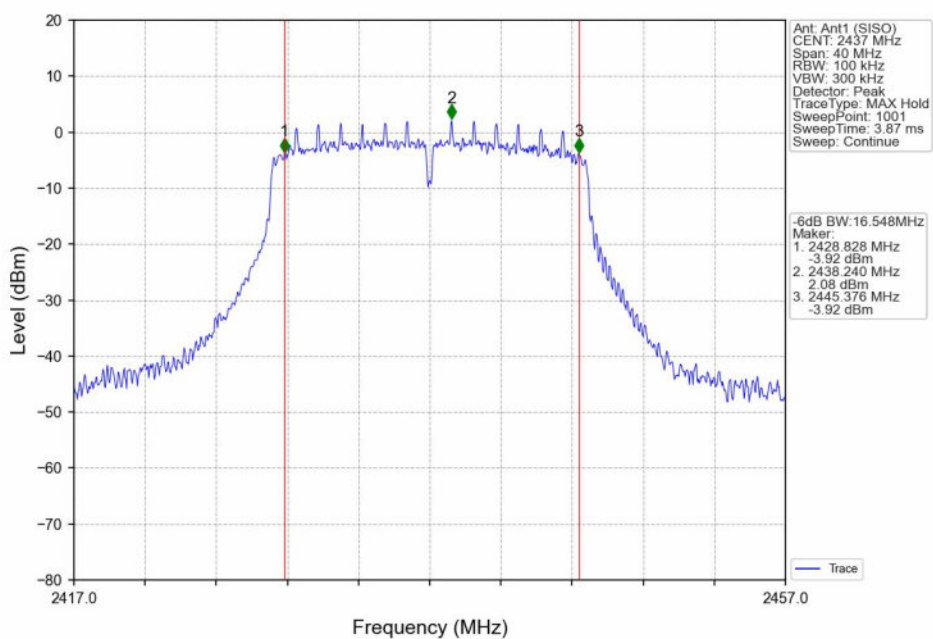
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



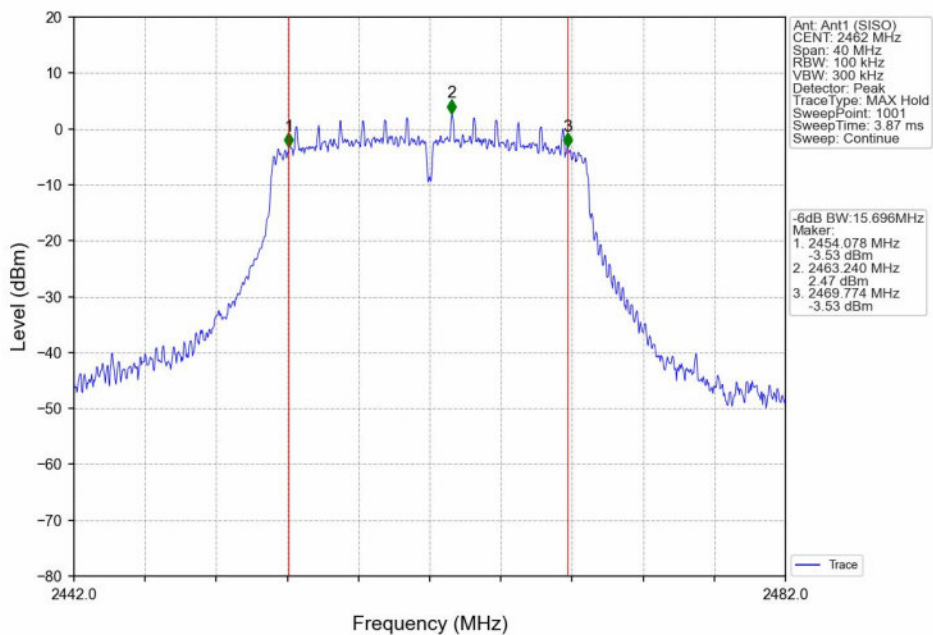
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



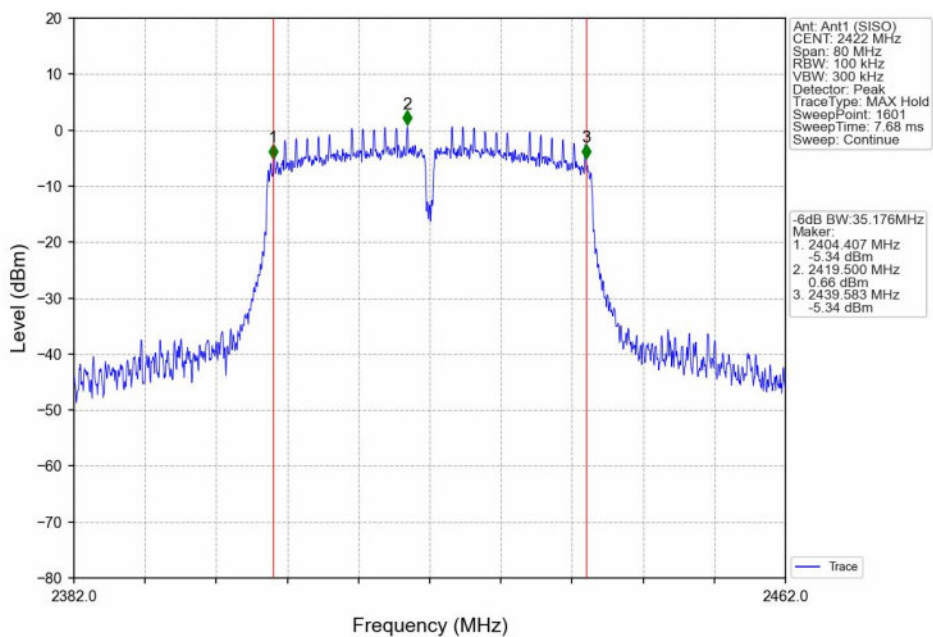
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



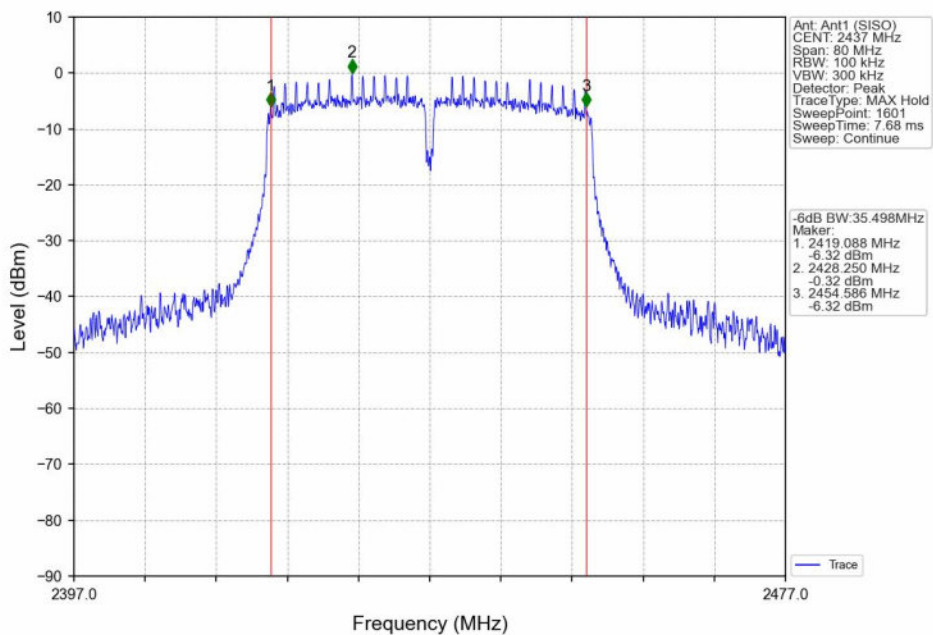
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



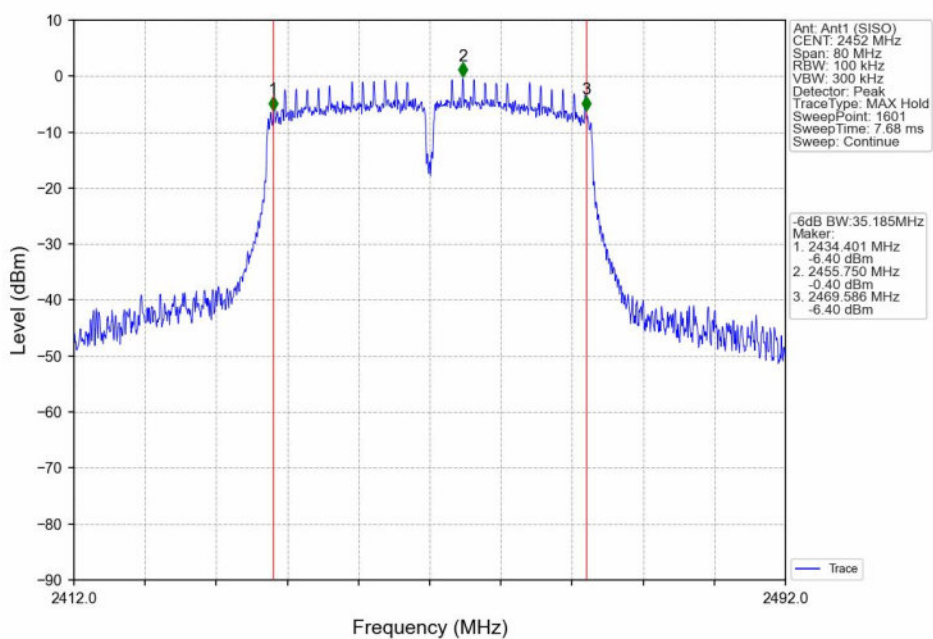
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



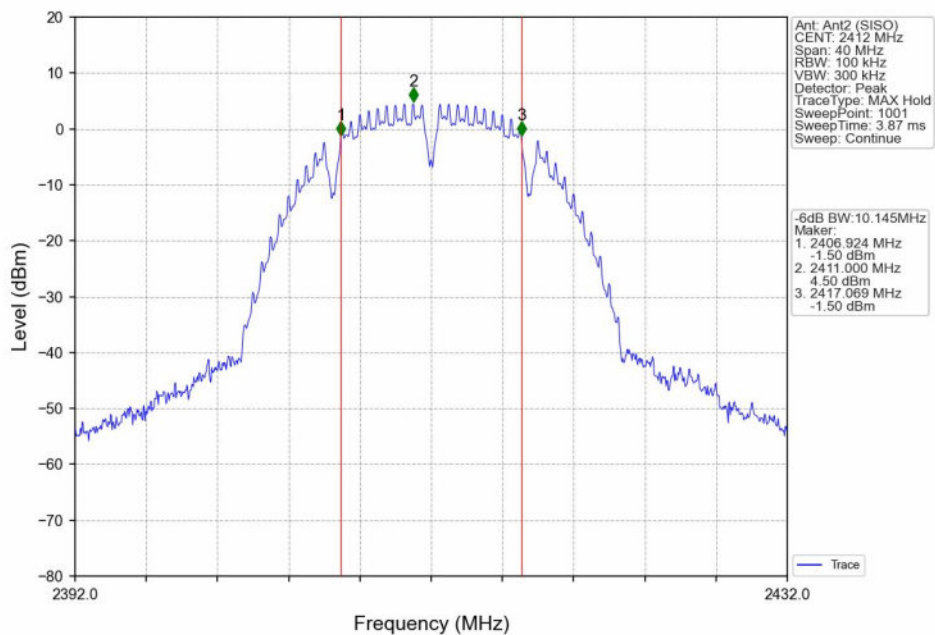
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



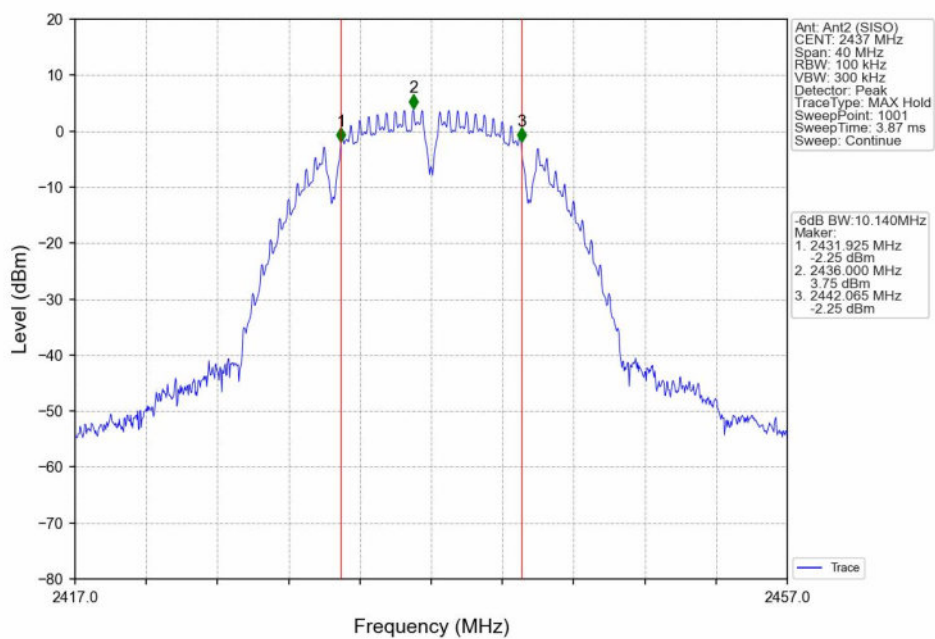
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



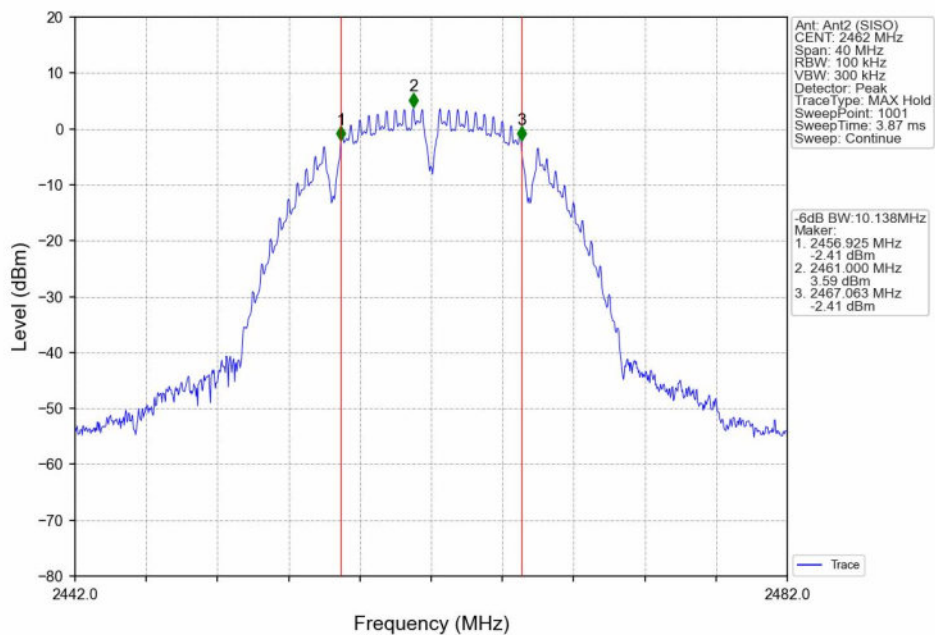
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



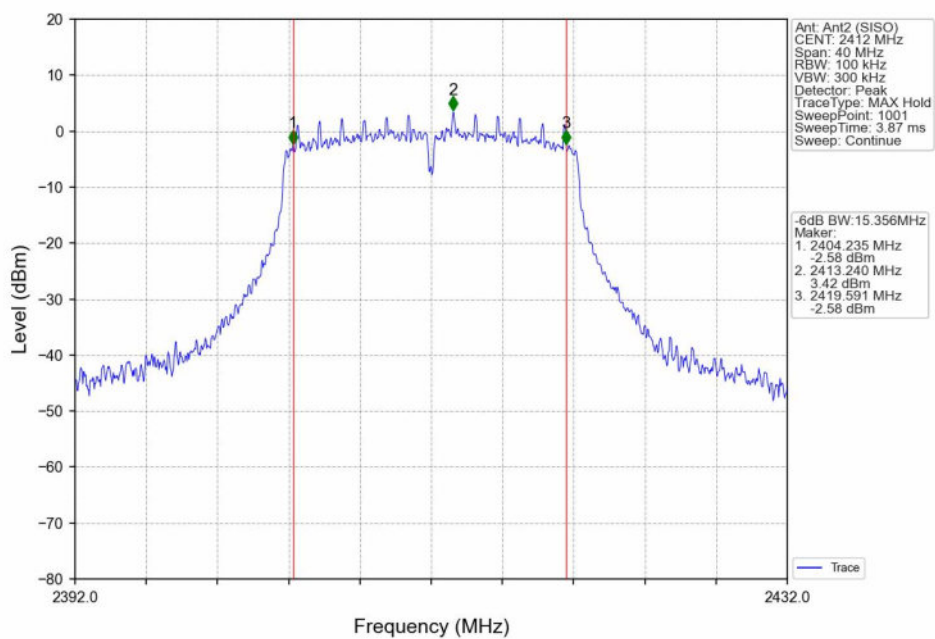
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



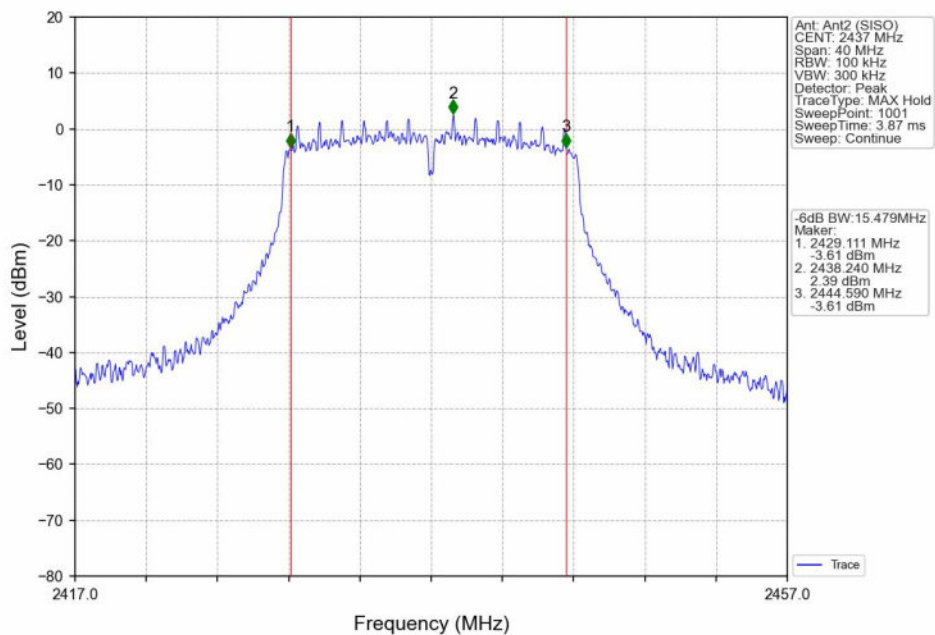
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



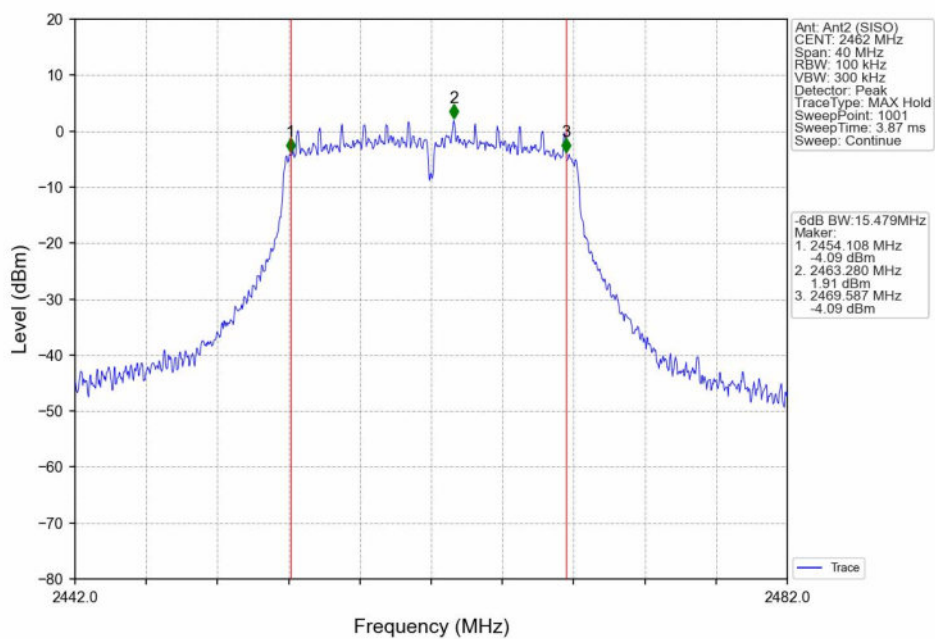
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



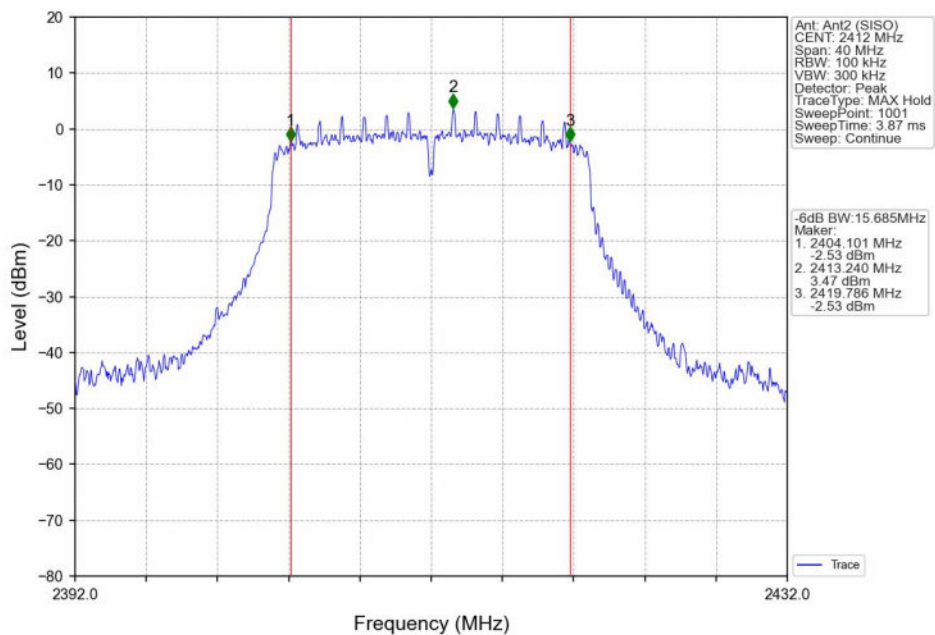
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



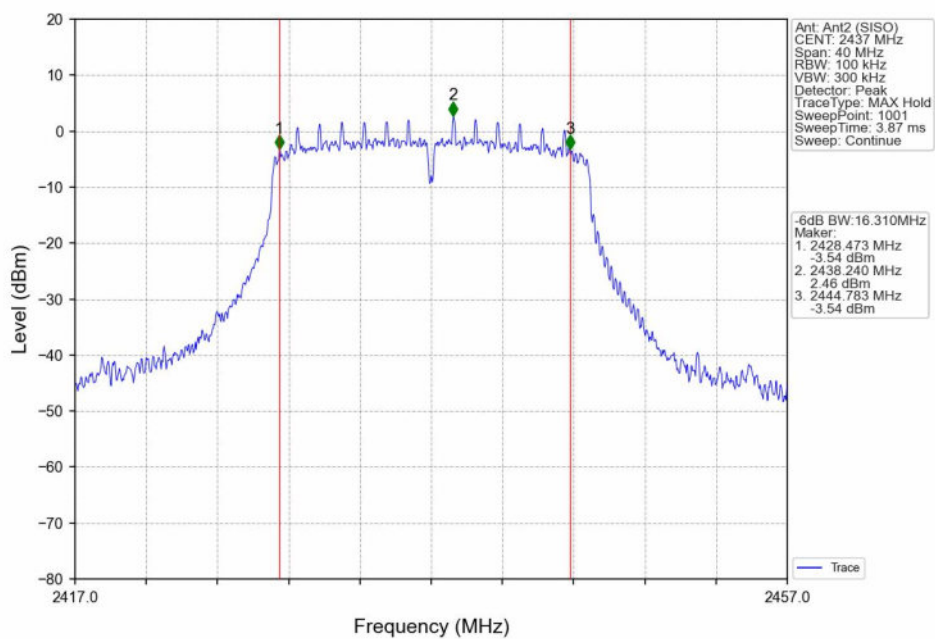
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



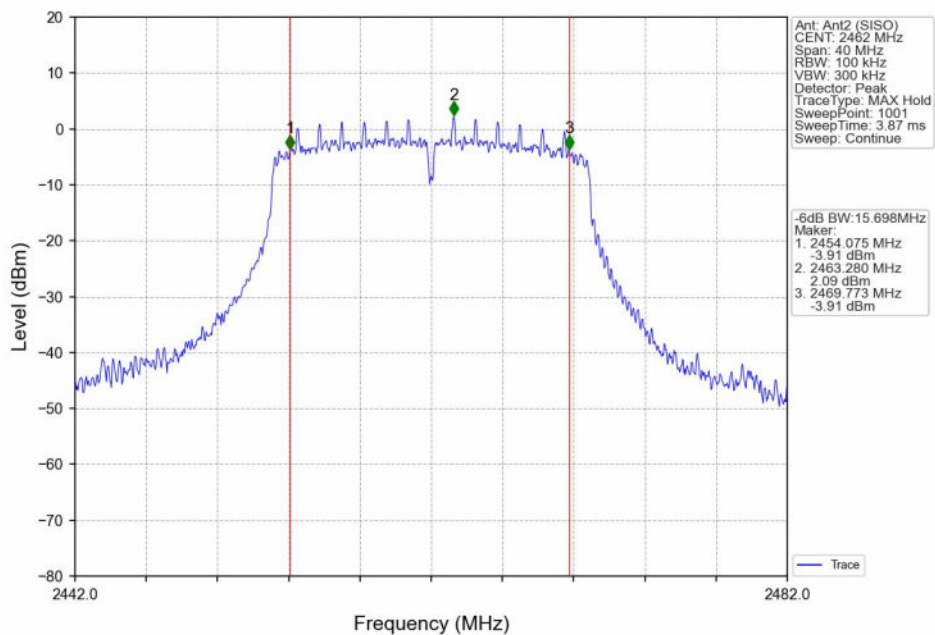
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



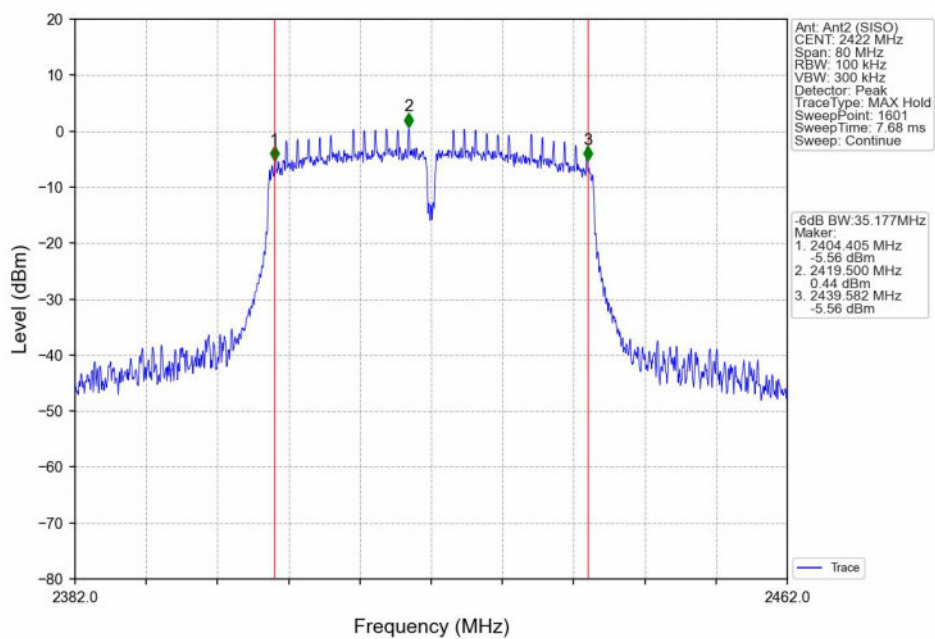
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



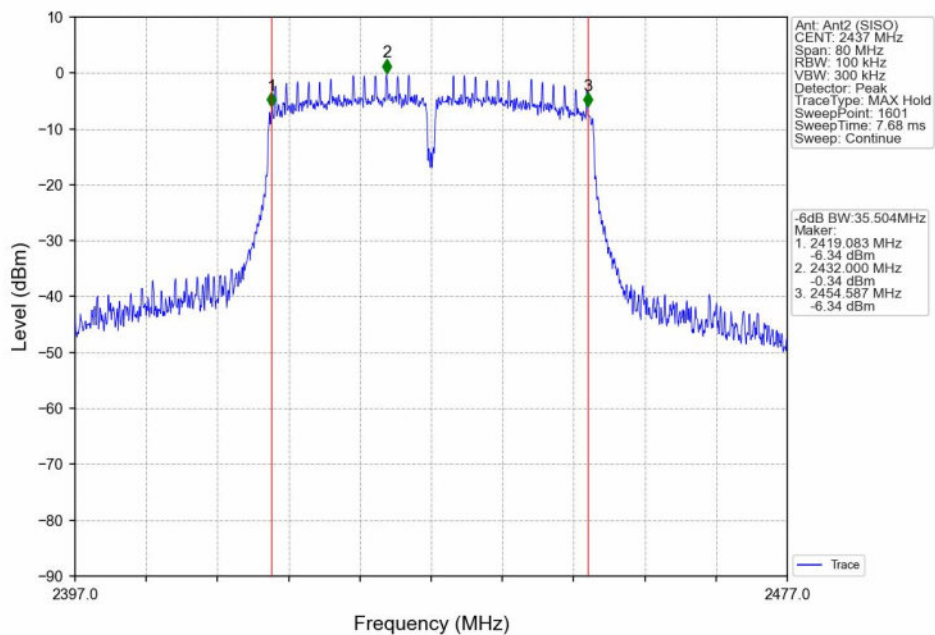
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



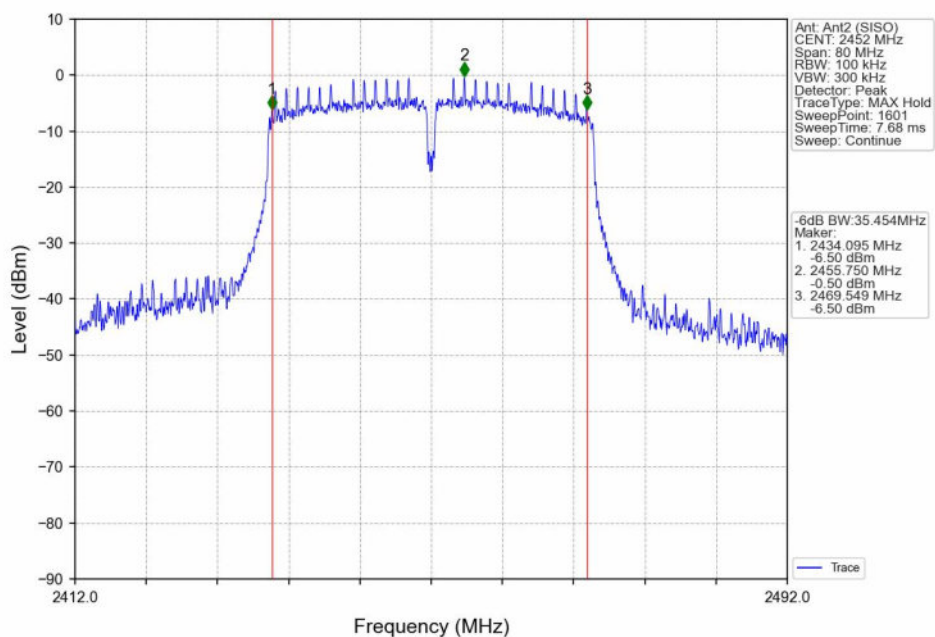
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



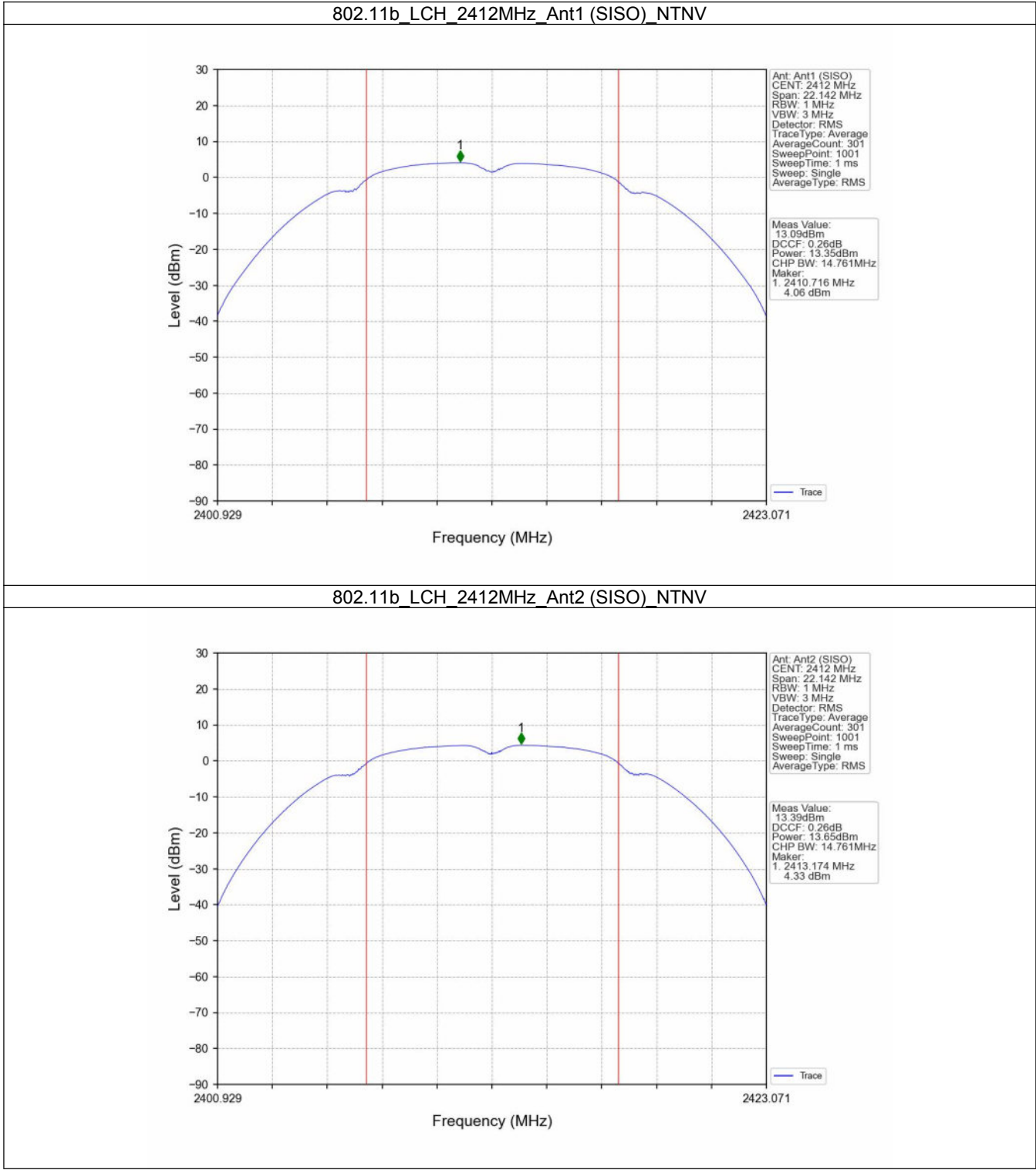
802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



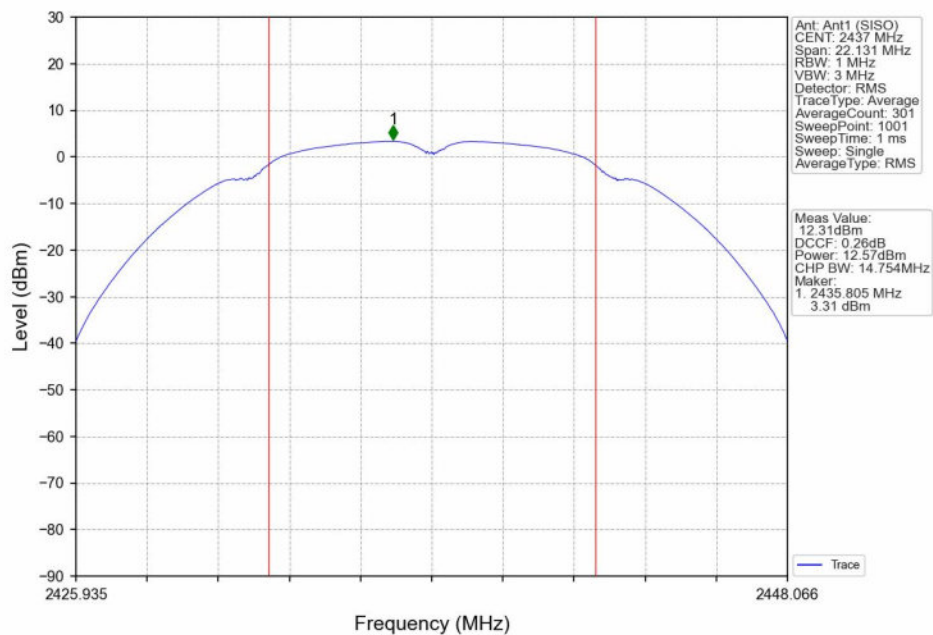
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	13.35	13.65	/	<=30	Pass
		2437	12.57	13.42	/	<=30	Pass
		2462	12.60	13.00	/	<=30	Pass
802.11g	SISO	2412	13.77	13.39	/	<=30	Pass
		2437	12.86	12.89	/	<=30	Pass
		2462	12.90	12.65	/	<=30	Pass
802.11n (HT20)	SISO	2412	13.66	13.63	/	<=30	Pass
		2437	12.94	12.98	/	<=30	Pass
		2462	12.78	12.46	/	<=30	Pass
802.11n (HT40)	SISO	2422	14.16	14.04	/	<=30	Pass
		2437	13.30	13.24	/	<=30	Pass
		2452	13.20	12.99	/	<=30	Pass
802.11n (HT20)	MIMO	2412	13.13	12.95	16.05	<=30	Pass
		2437	12.34	12.21	15.29	<=30	Pass
		2462	12.02	11.60	14.83	<=30	Pass
802.11n (HT40)	MIMO	2422	13.18	13.59	16.40	<=30	Pass
		2437	12.58	13.00	15.81	<=30	Pass
		2452	12.46	12.39	15.44	<=30	Pass

Note1: Antenna Gain: Ant1: 1.96dBi; Ant2: 2.12dBi;
Note2: Directional Gain: 5.13dBi

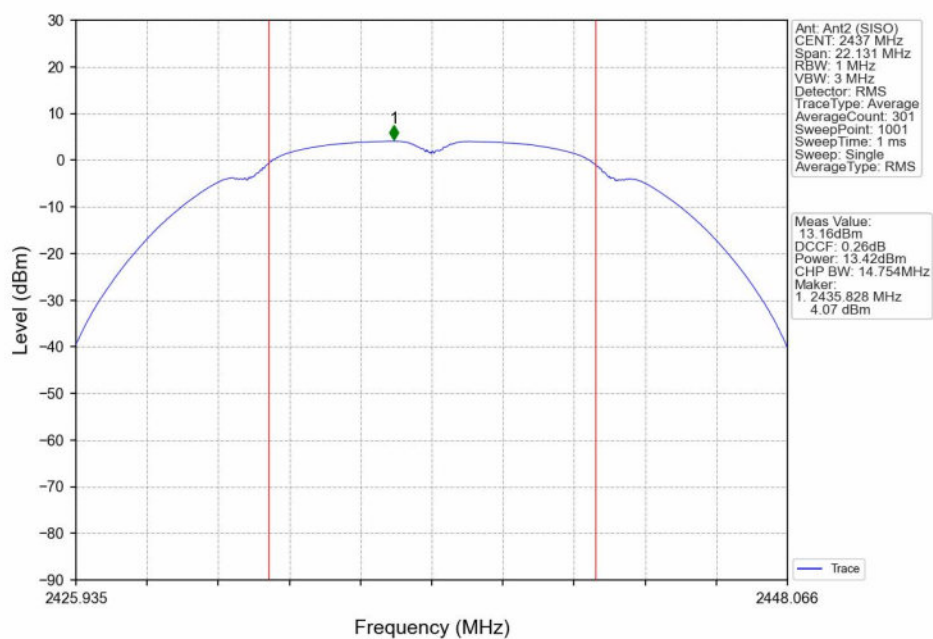
2.1.2 Test Graph



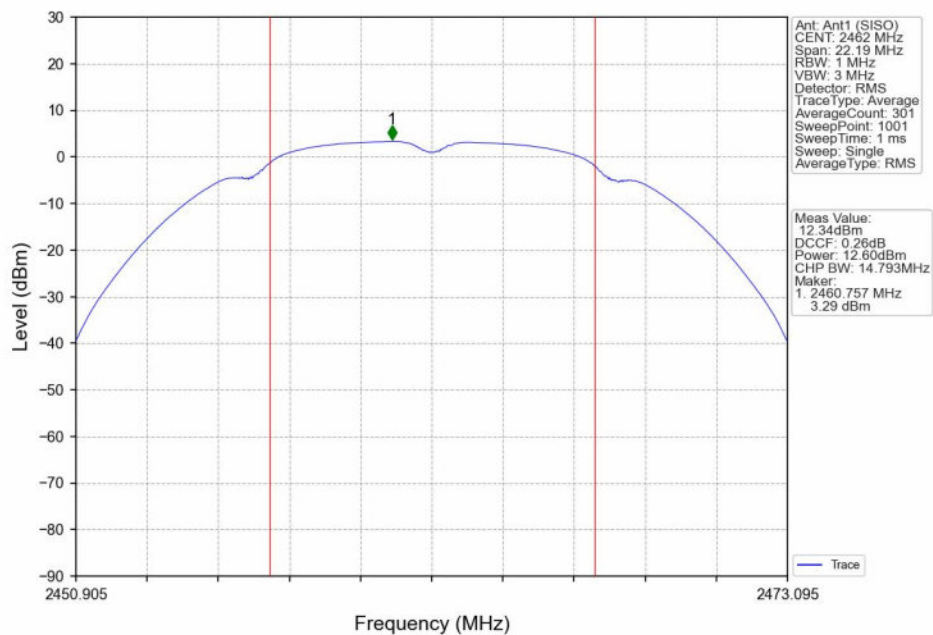
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



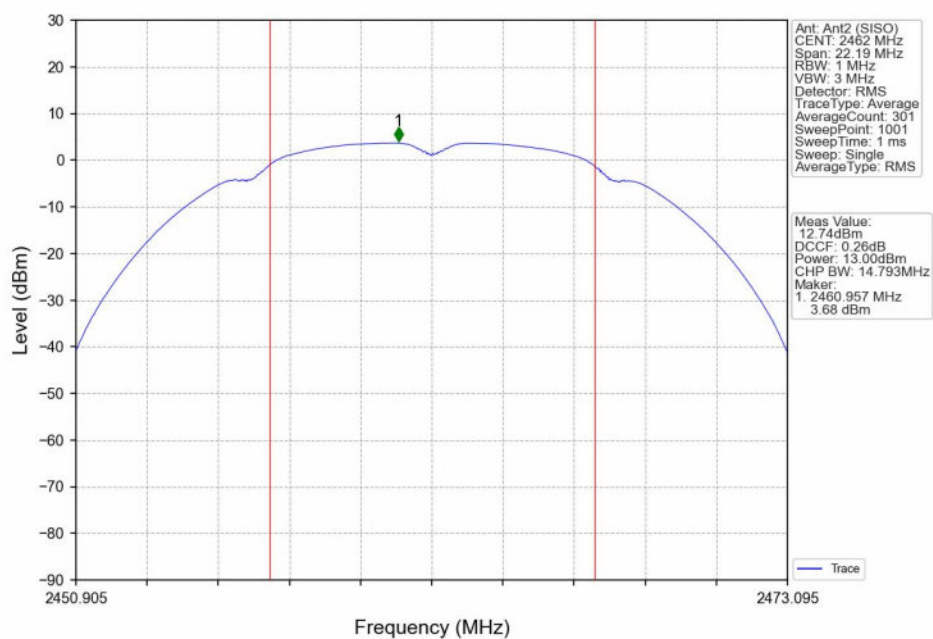
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



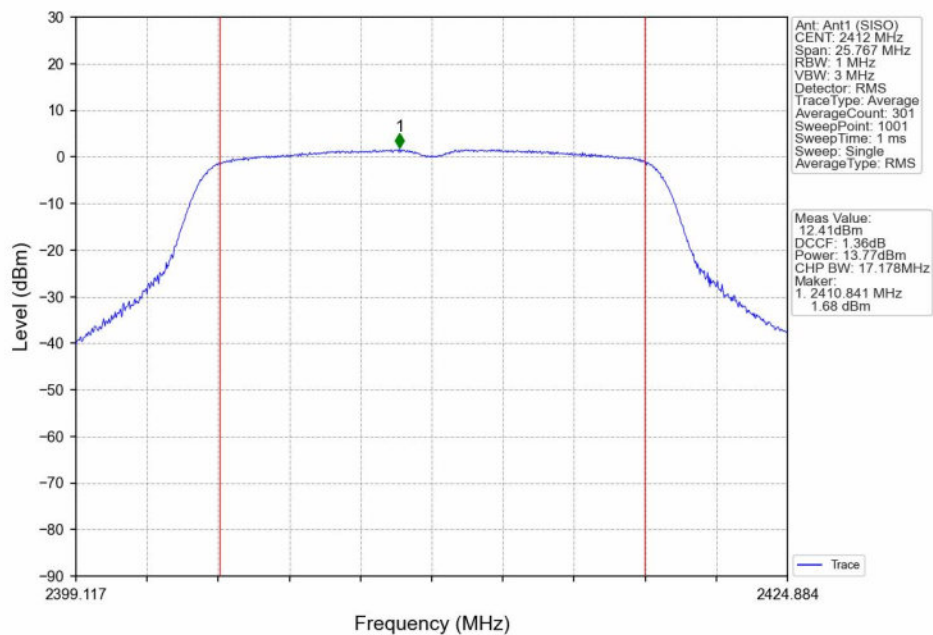
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



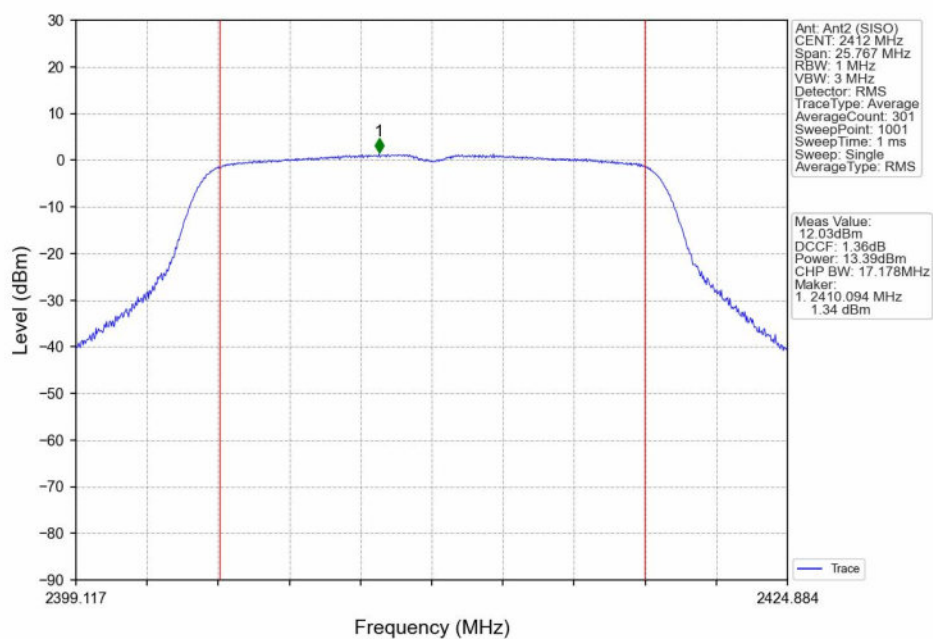
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



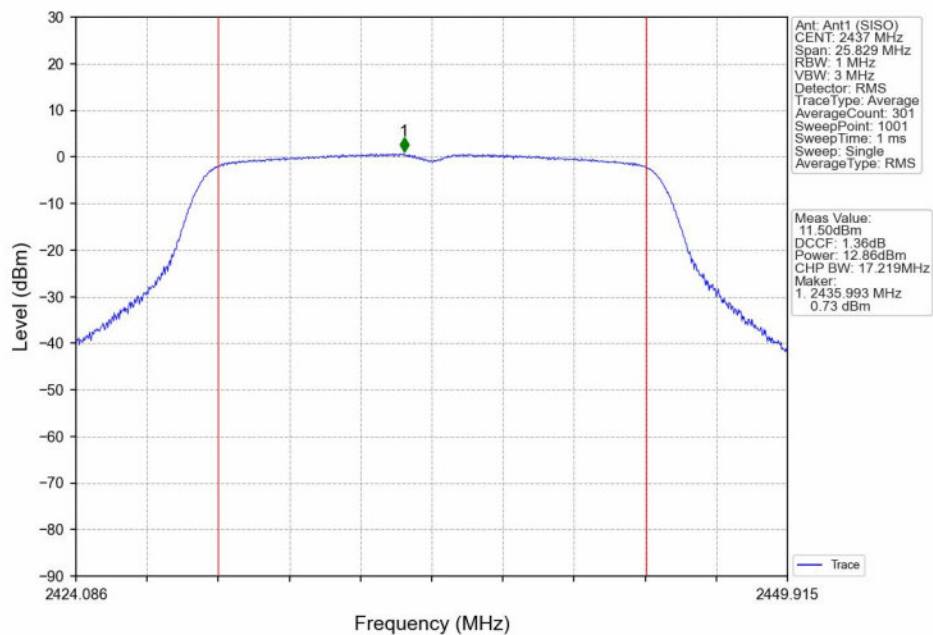
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



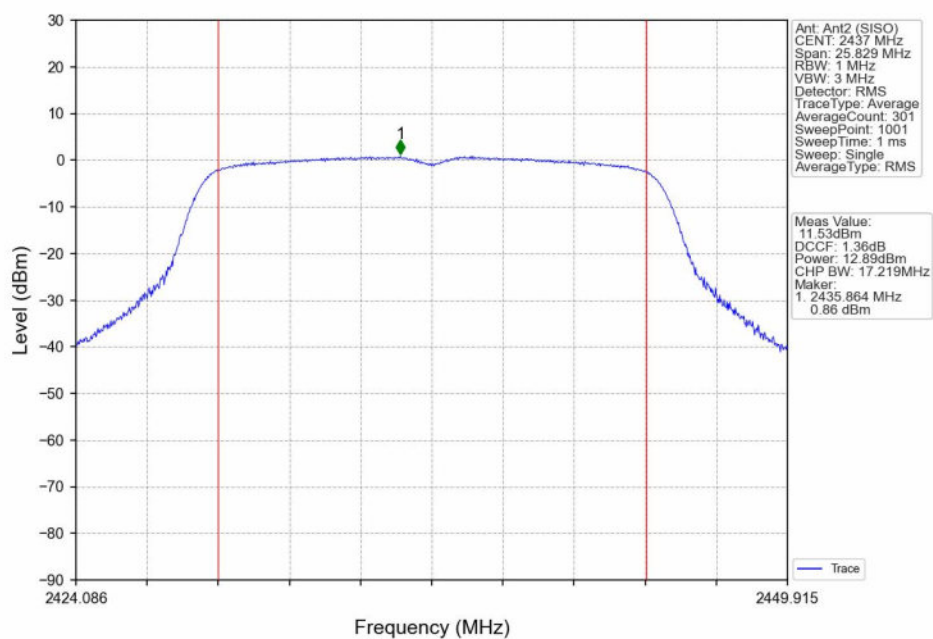
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



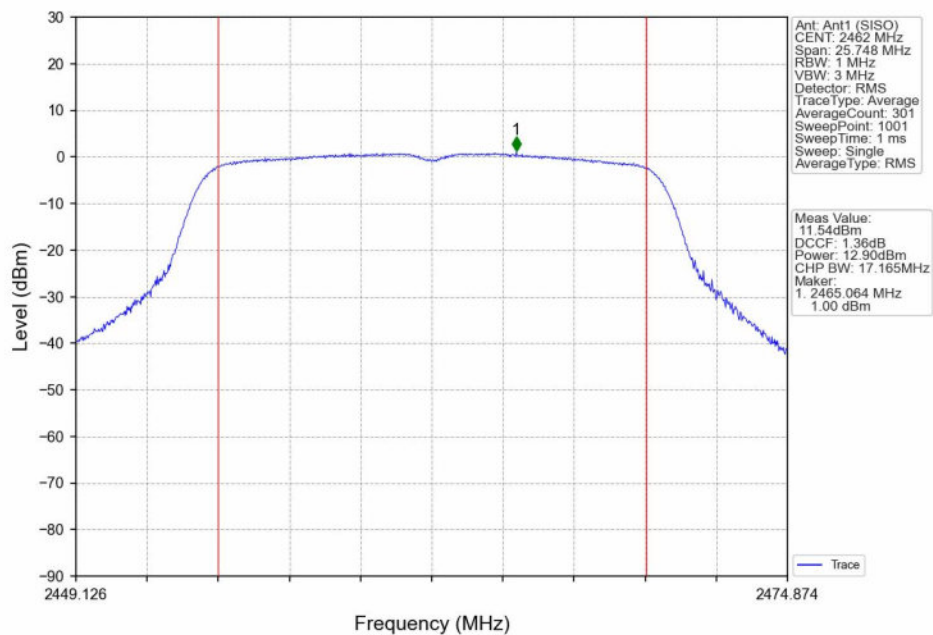
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



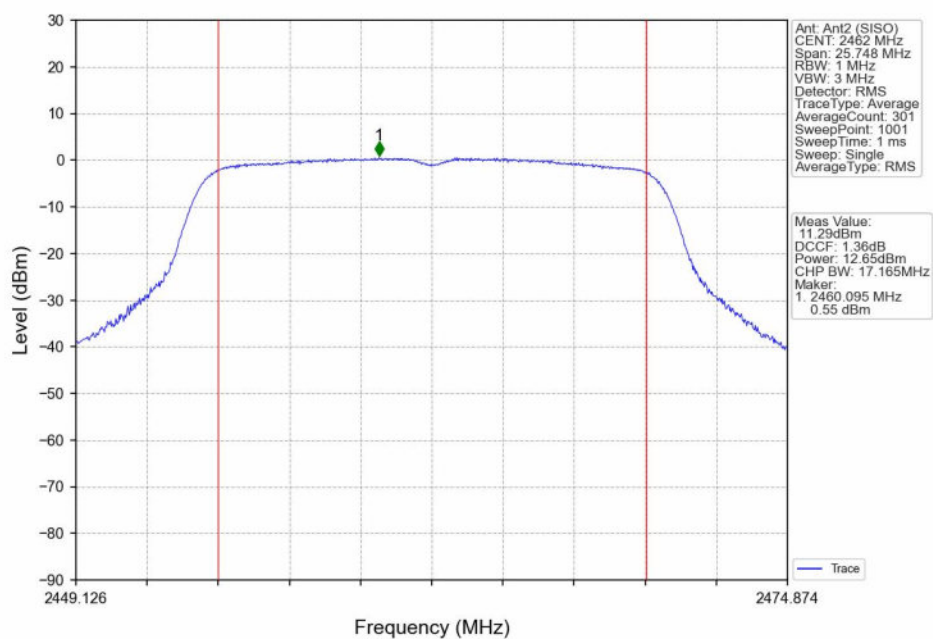
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



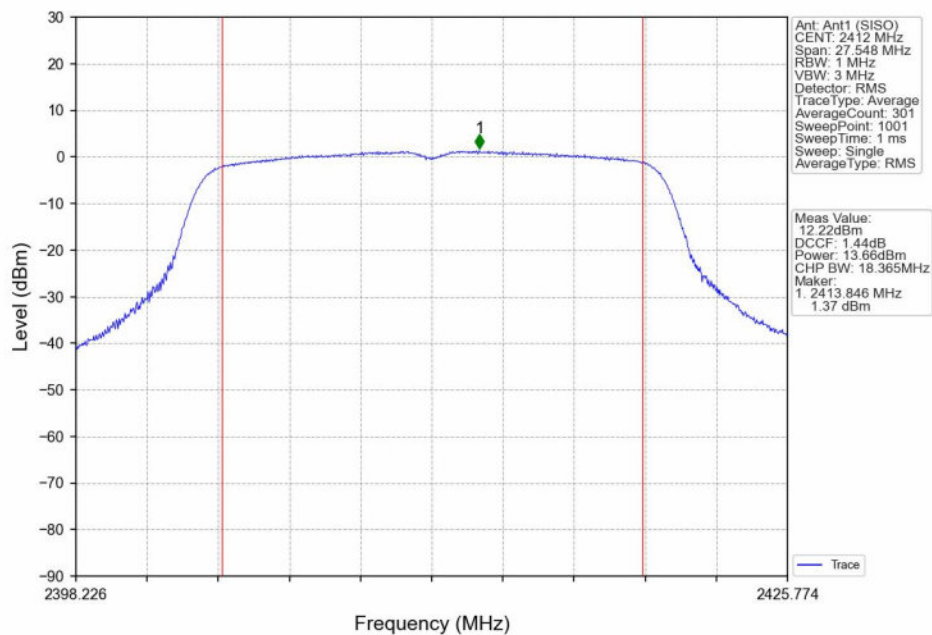
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



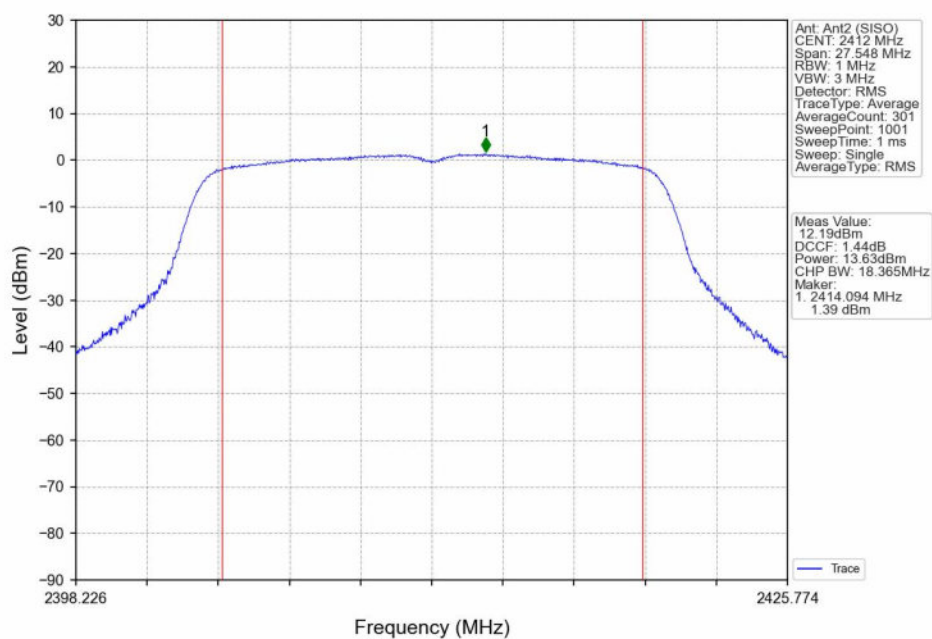
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



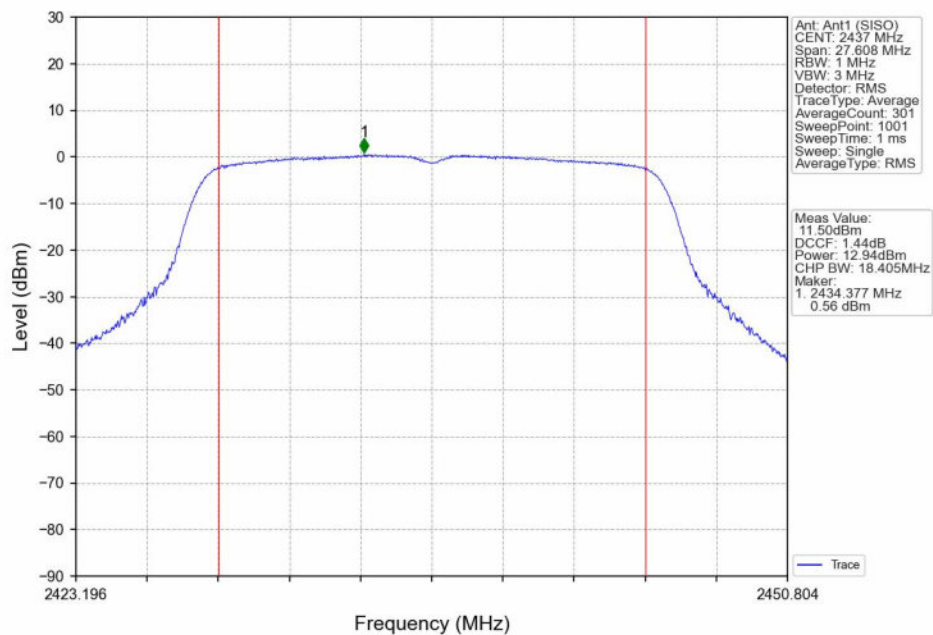
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



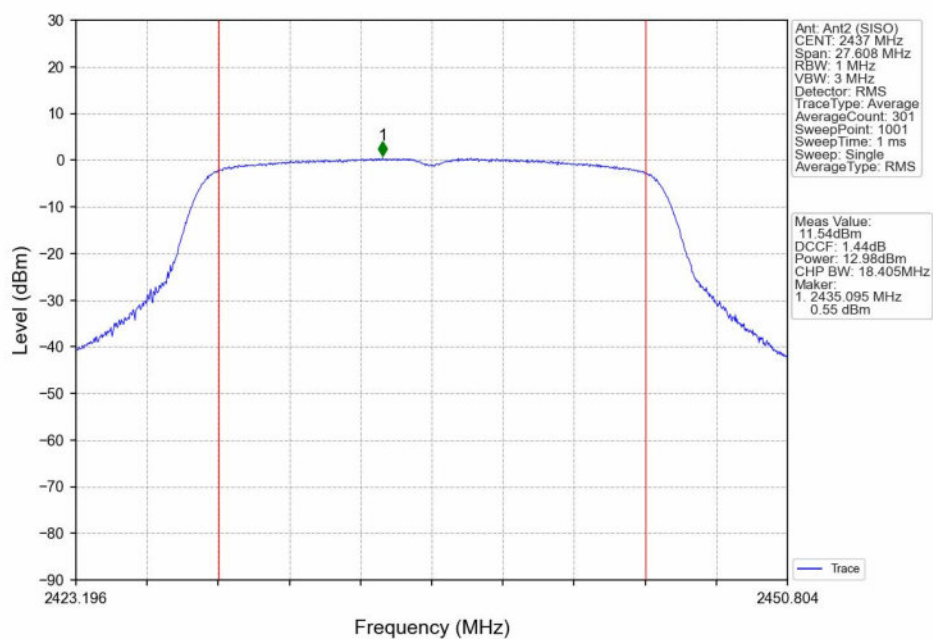
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



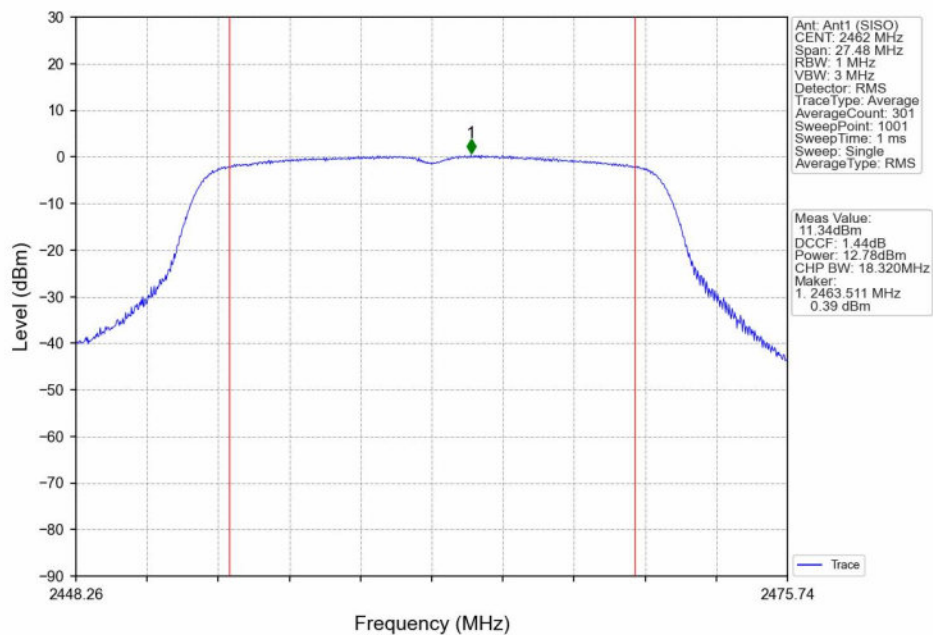
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



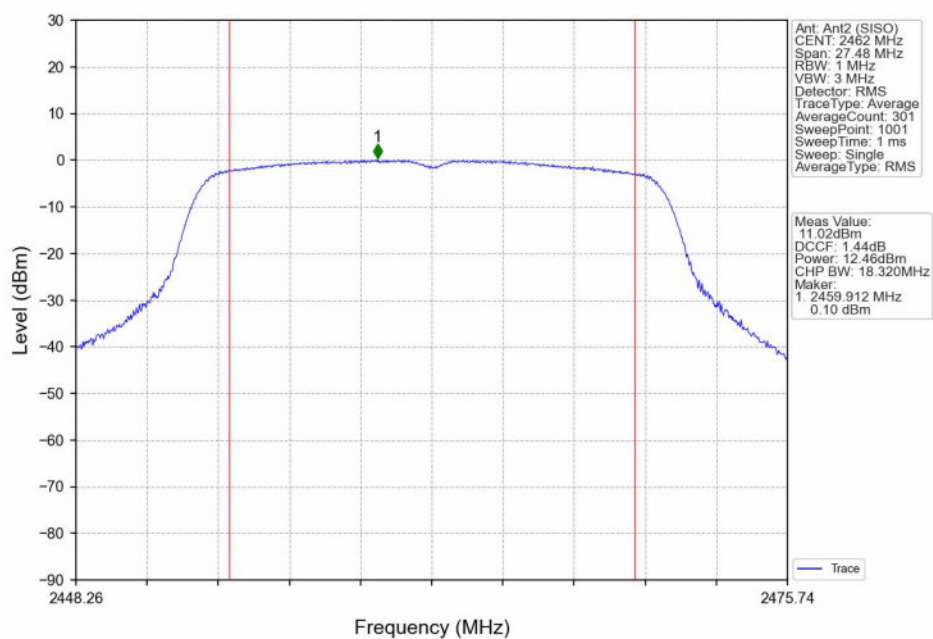
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



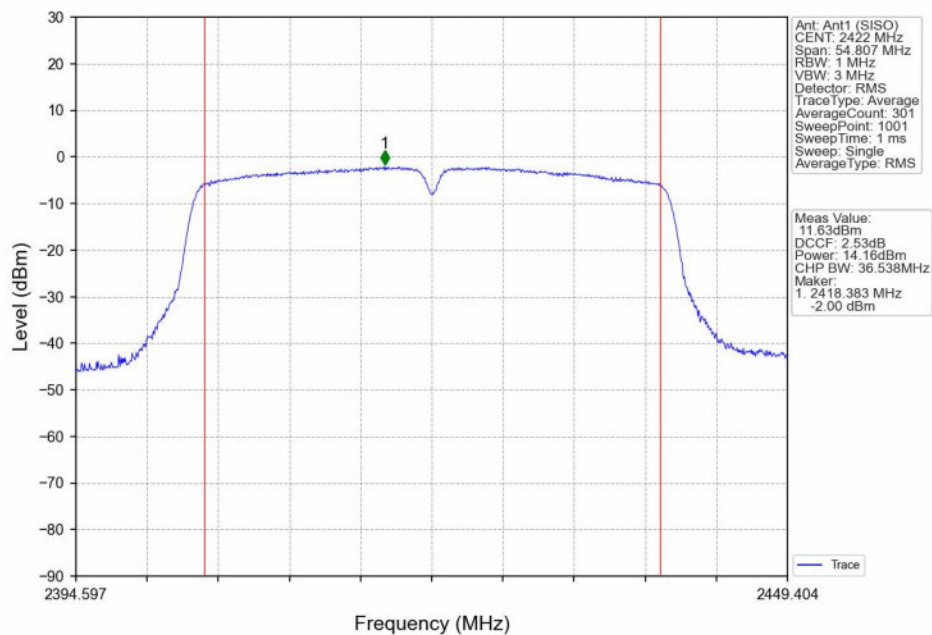
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



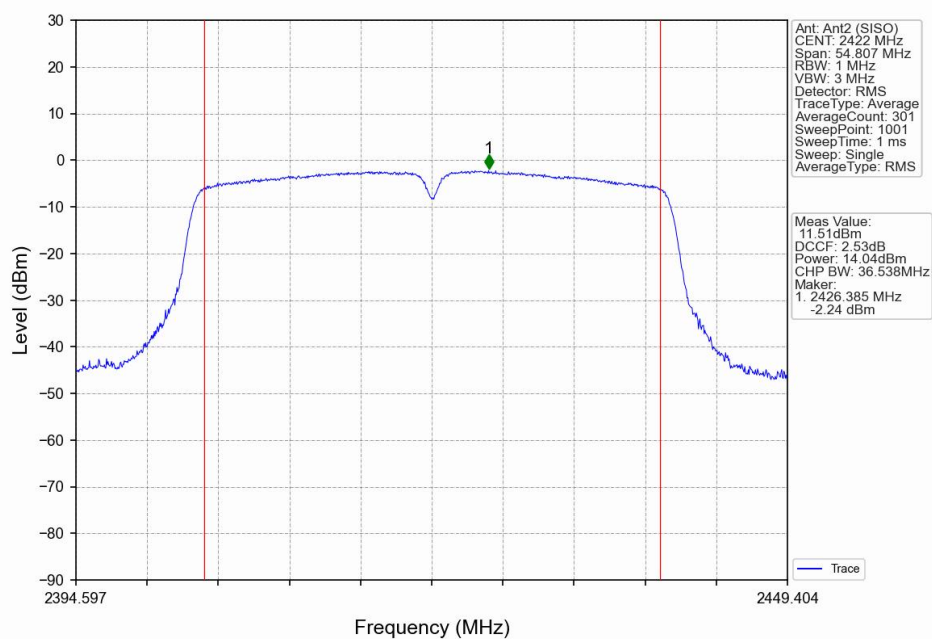
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



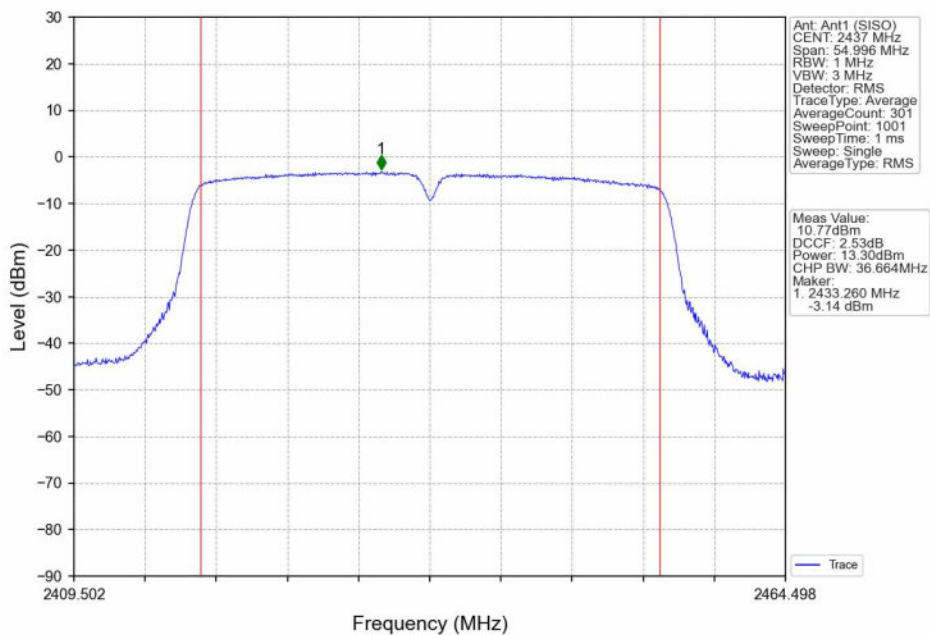
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



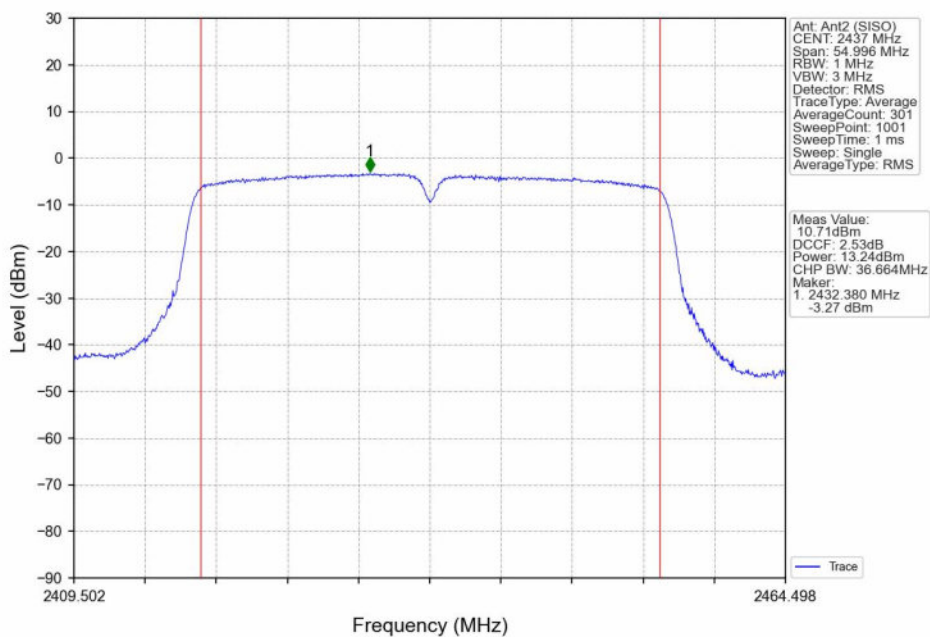
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



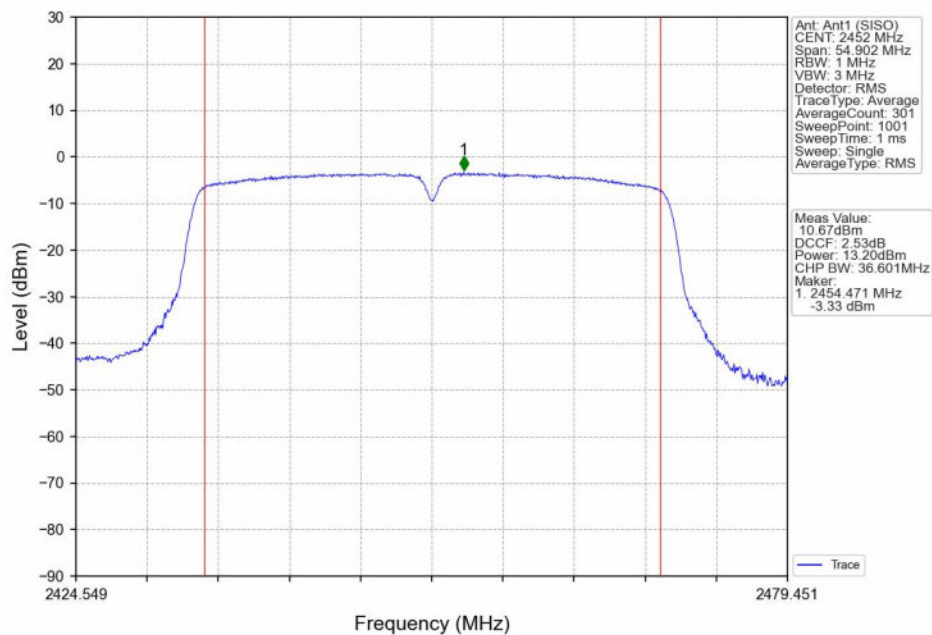
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



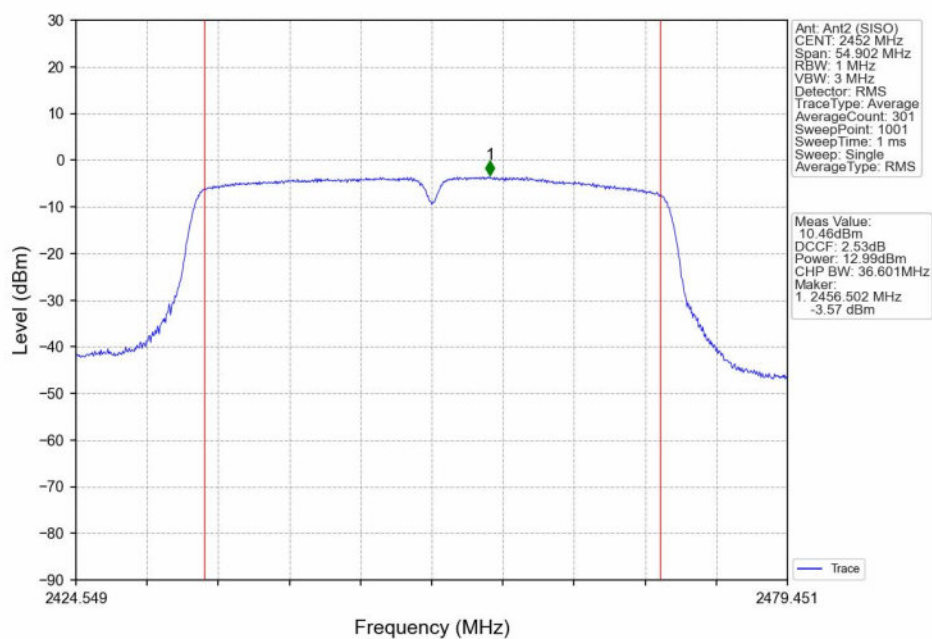
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



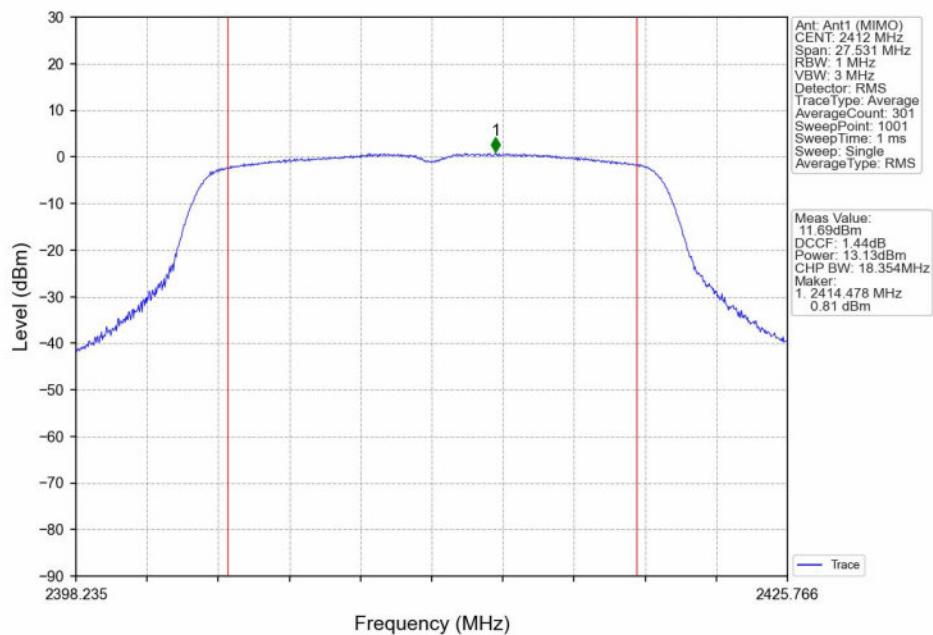
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



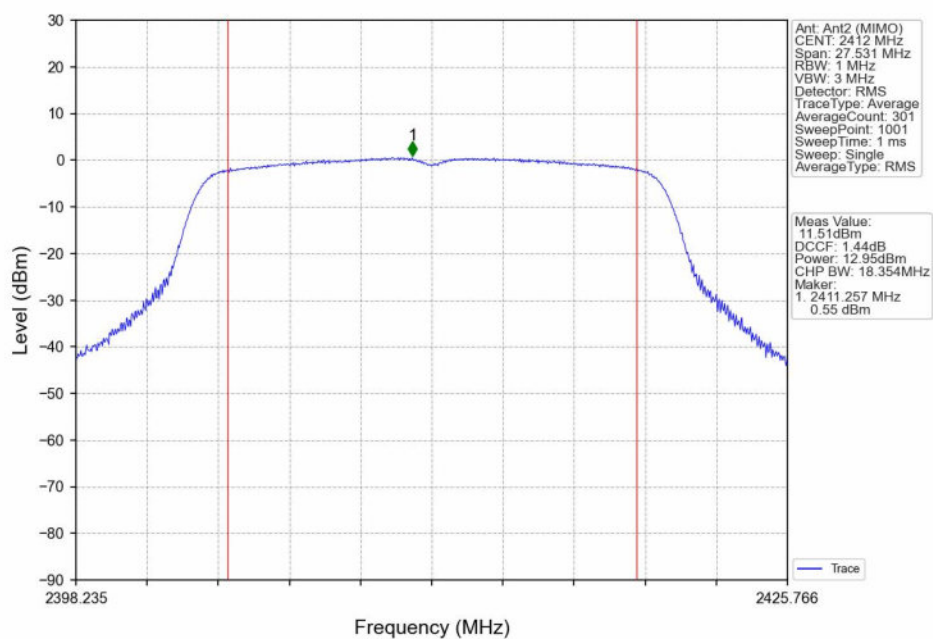
802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



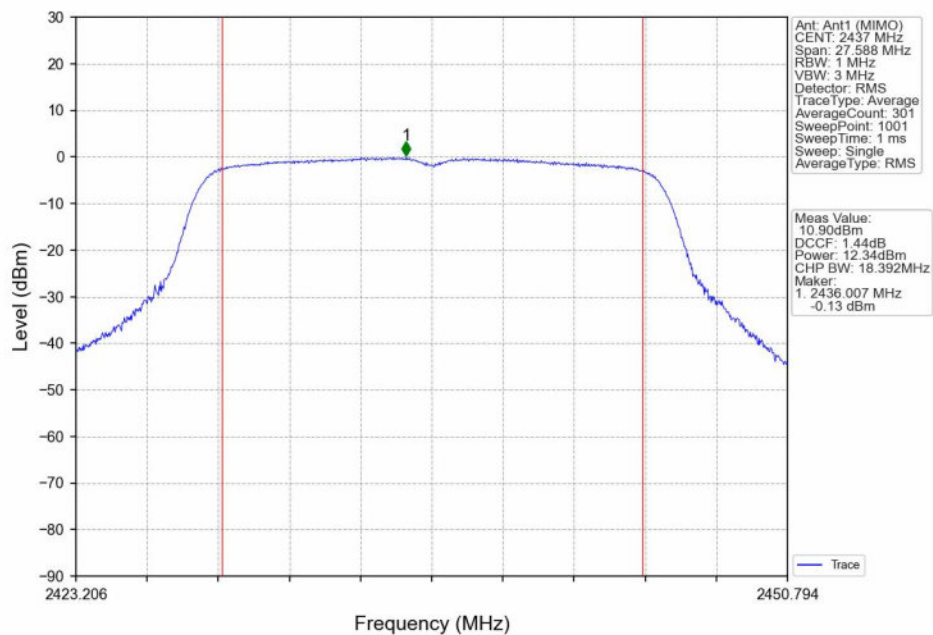
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



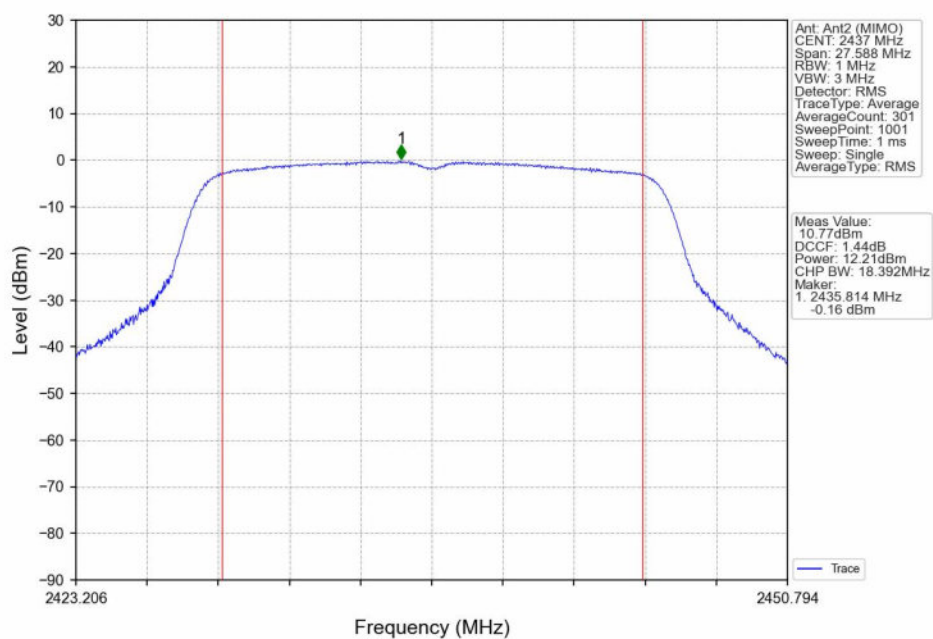
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



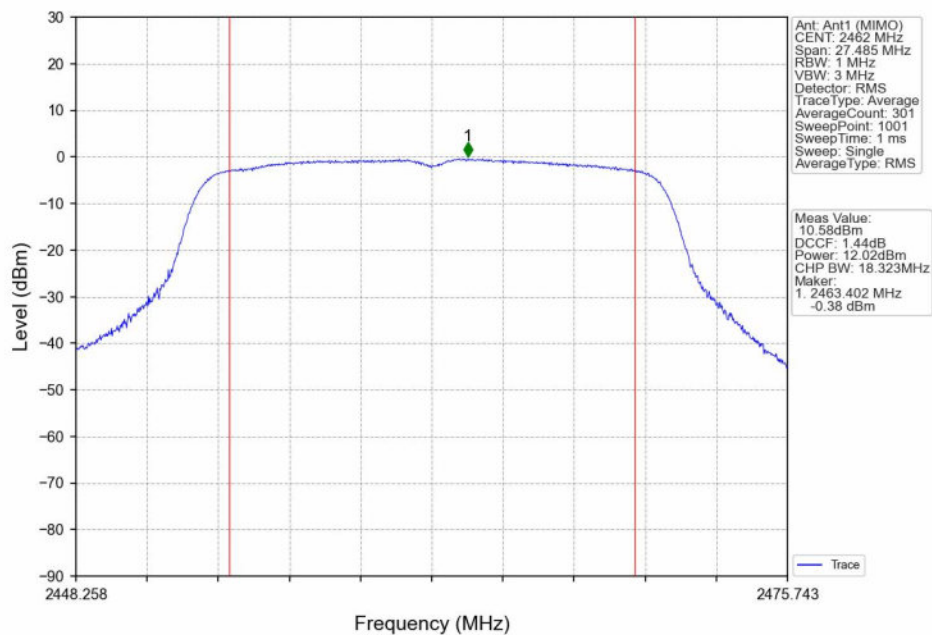
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



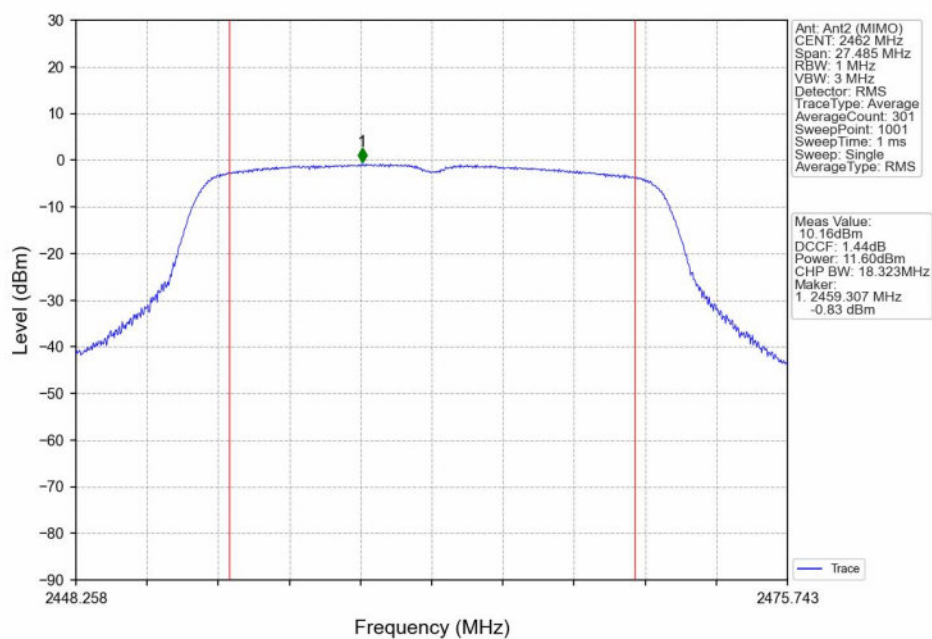
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



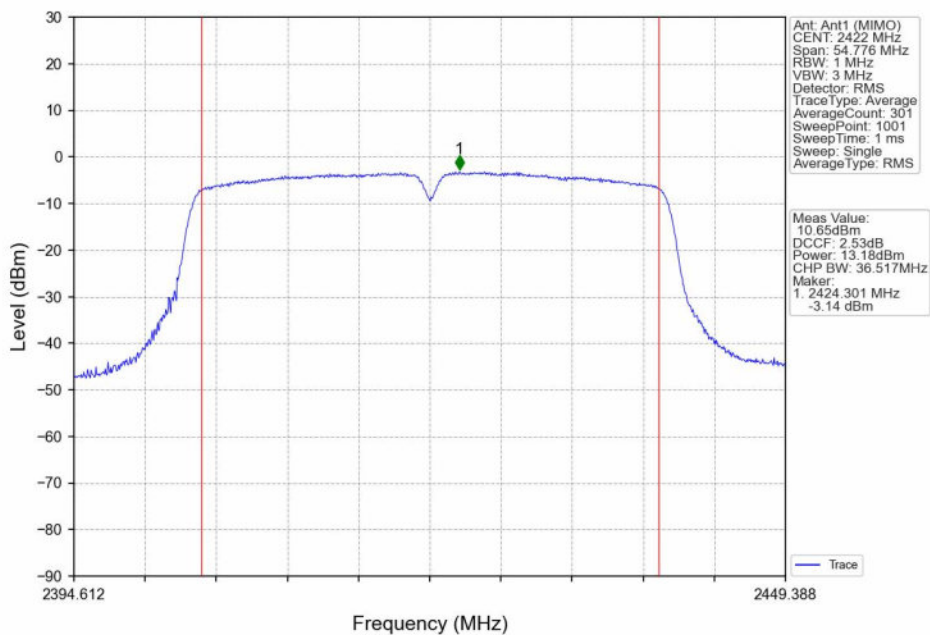
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



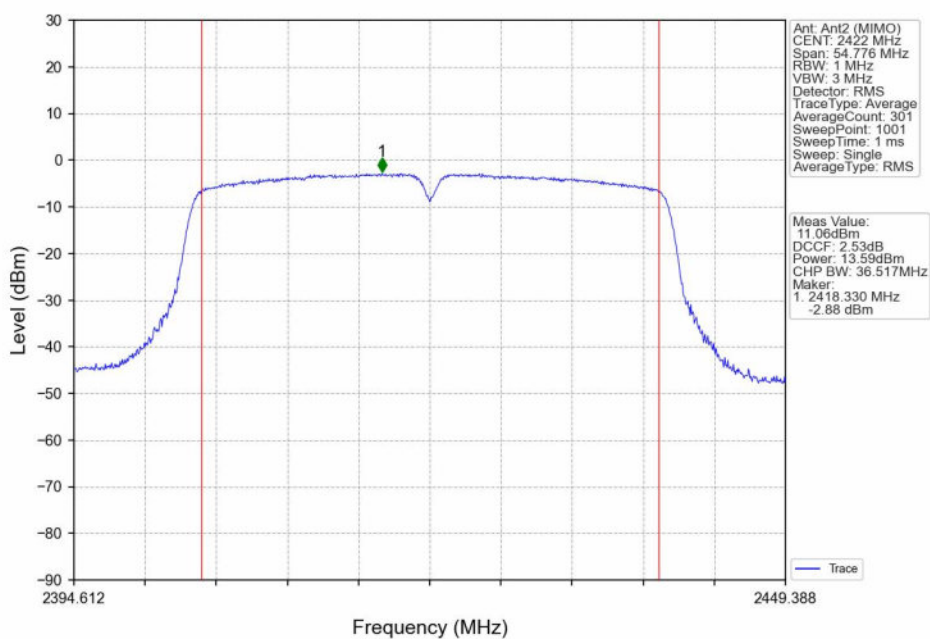
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



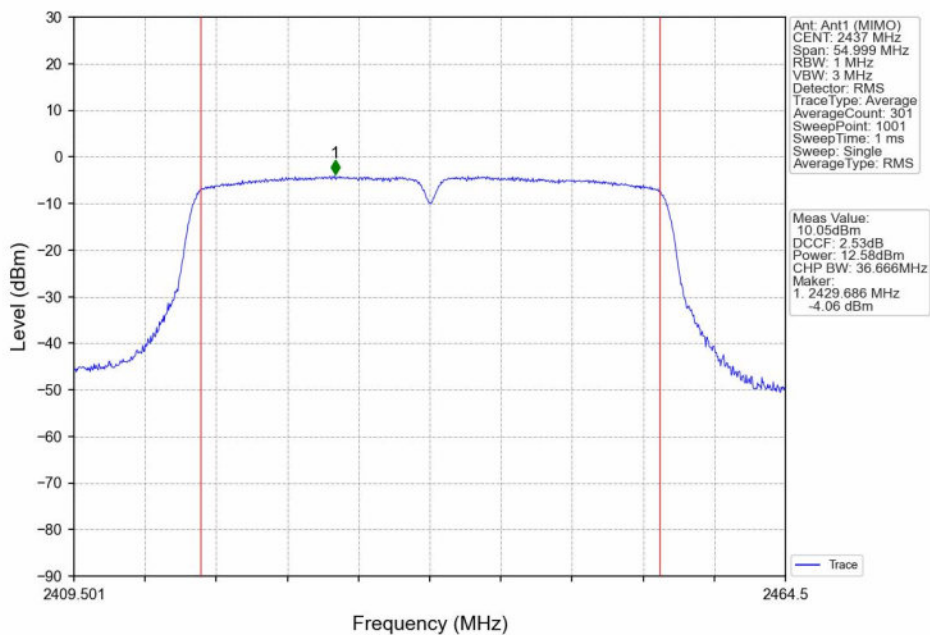
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



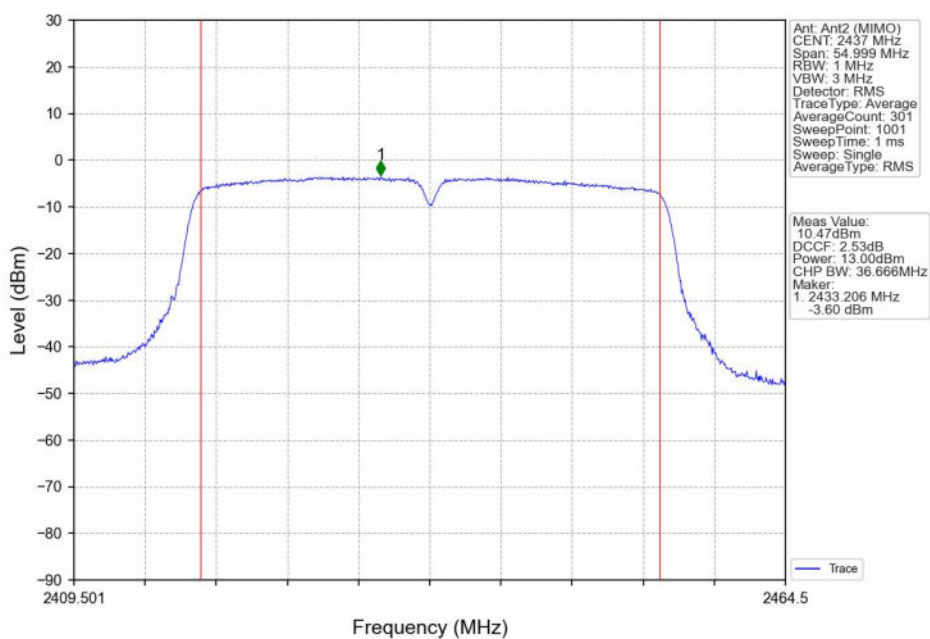
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



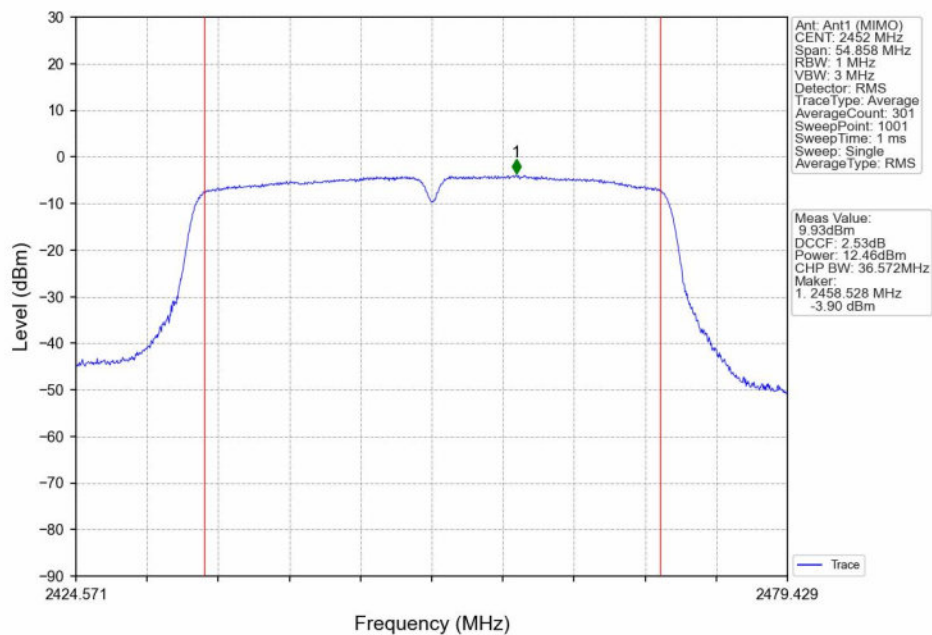
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



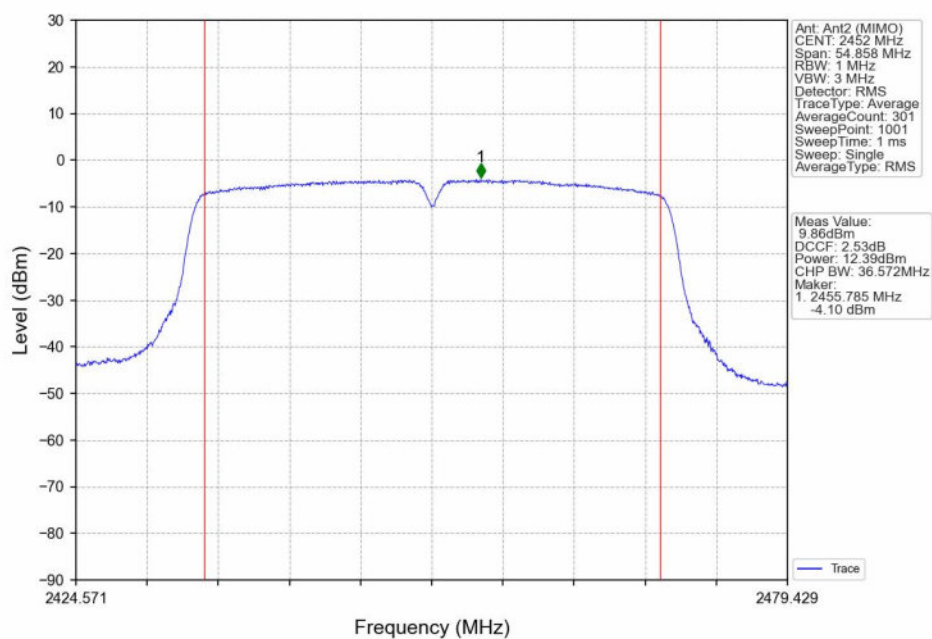
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-18.31	-18.11	/	<=8	Pass
		2437	-18.60	-18.40	/	<=8	Pass
		2462	-19.24	-18.45	/	<=8	Pass
802.11g	SISO	2412	-17.11	-17.72	/	<=8	Pass
		2437	-18.13	-17.65	/	<=8	Pass
		2462	-18.05	-18.77	/	<=8	Pass
802.11n (HT20)	SISO	2412	-16.55	-17.45	/	<=8	Pass
		2437	-17.51	-18.07	/	<=8	Pass
		2462	-17.82	-17.68	/	<=8	Pass
802.11n (HT40)	SISO	2422	-16.84	-17.23	/	<=8	Pass
		2437	-18.37	-18.42	/	<=8	Pass
		2452	-18.87	-18.89	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-18.04	-18.83	-15.41	<=8	Pass
		2437	-19.54	-19.54	-16.59	<=8	Pass
		2462	-18.62	-19.65	-16.09	<=8	Pass
802.11n (HT40)	MIMO	2422	-18.41	-18.27	-15.67	<=8	Pass
		2437	-19.03	-18.94	-16.39	<=8	Pass
		2452	-19.73	-19.82	-16.76	<=8	Pass
Note1: Antenna Gain: Ant1: 1.96dBi; Ant2: 2.12dBi; Note2: Directional Gain: 5.13dBi							

3.1.2 Test Graph

