1. Bandwidth

1.1 OBW

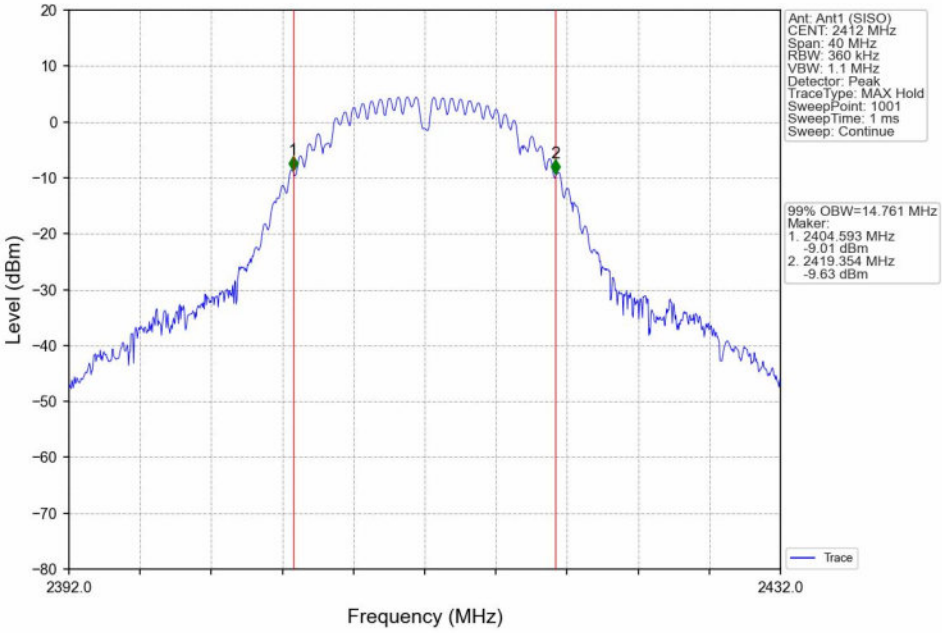
1.1.1 Test Result

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

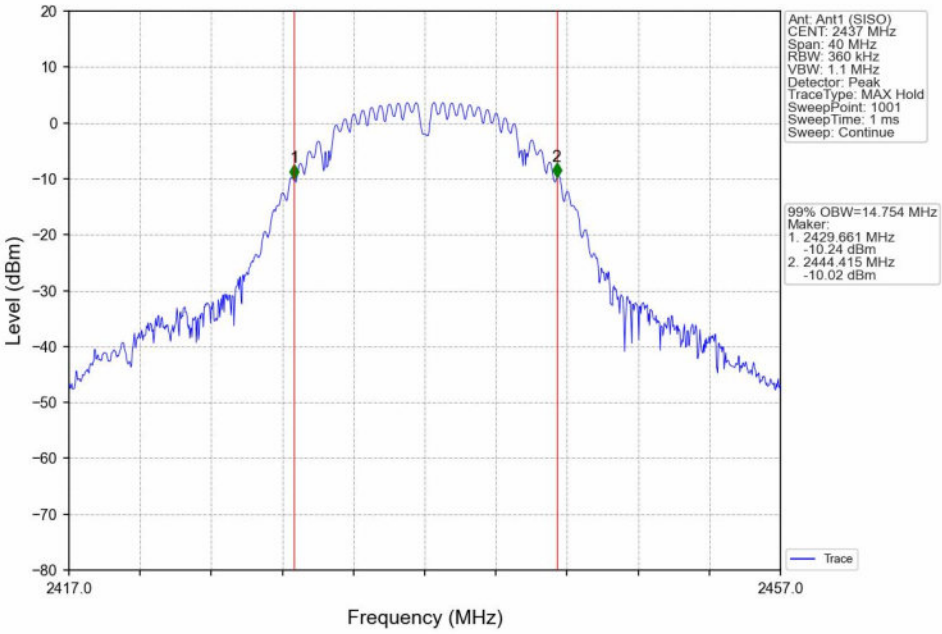
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	14.688	/	Pass
		2437	2	14.751	/	Pass
		2462	2	14.653	/	Pass
802.11g	SISO	2412	2	17.187	/	Pass
		2437	2	17.224	/	Pass
		2462	2	17.176	/	Pass
802.11n (HT20)	SISO	2412	2	18.342	/	Pass
		2437	2	18.389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

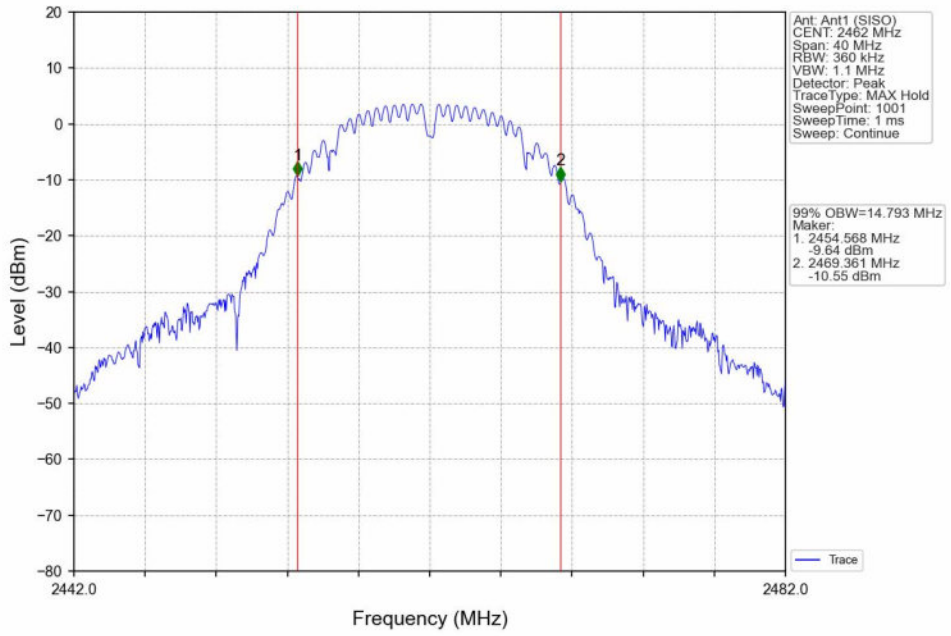
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



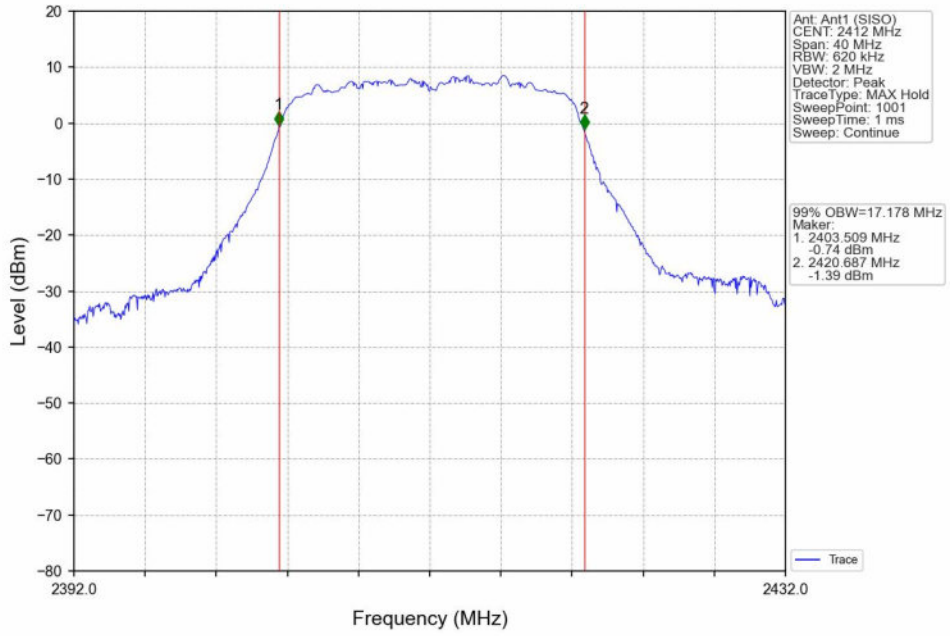
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



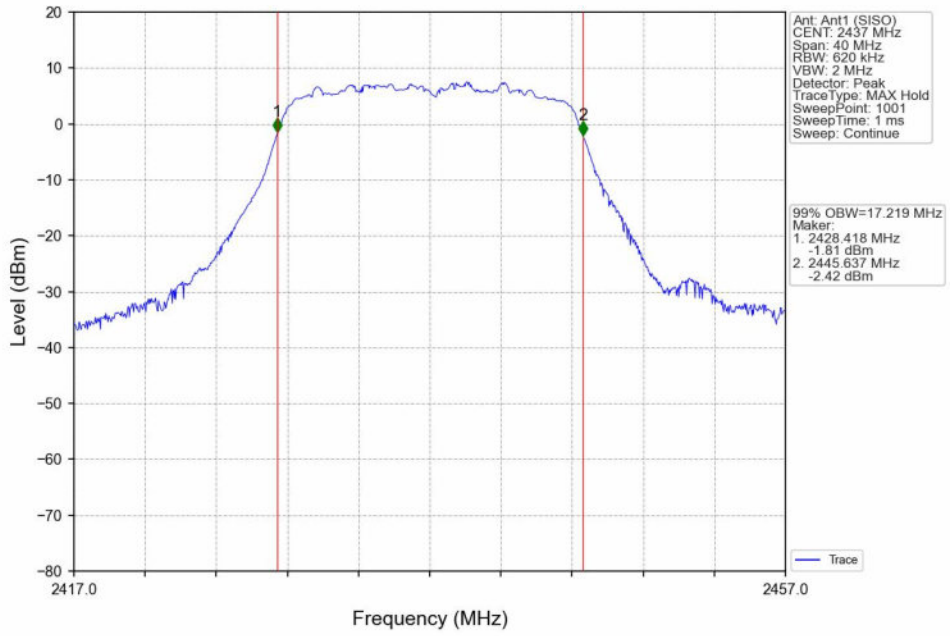
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



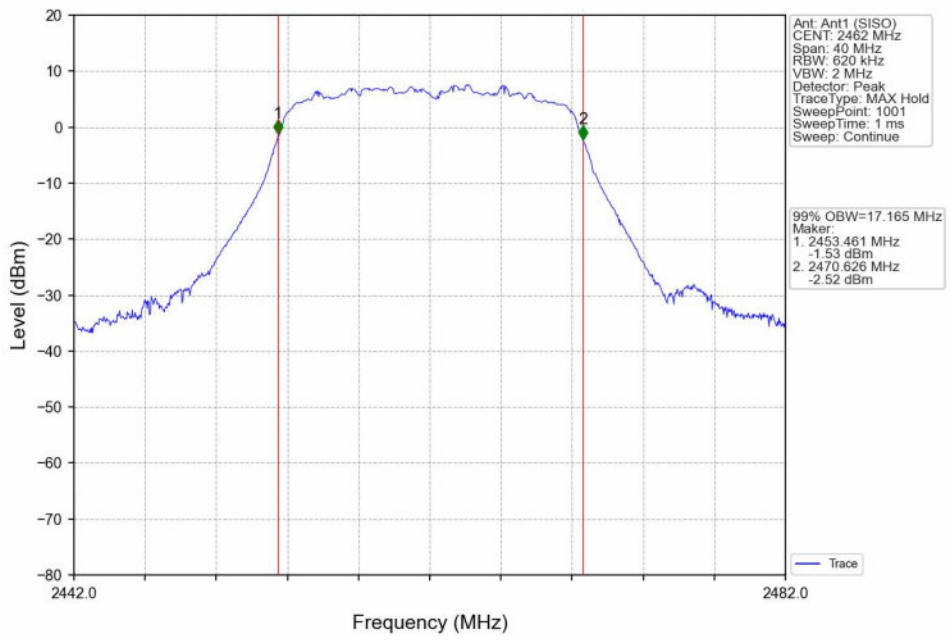
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



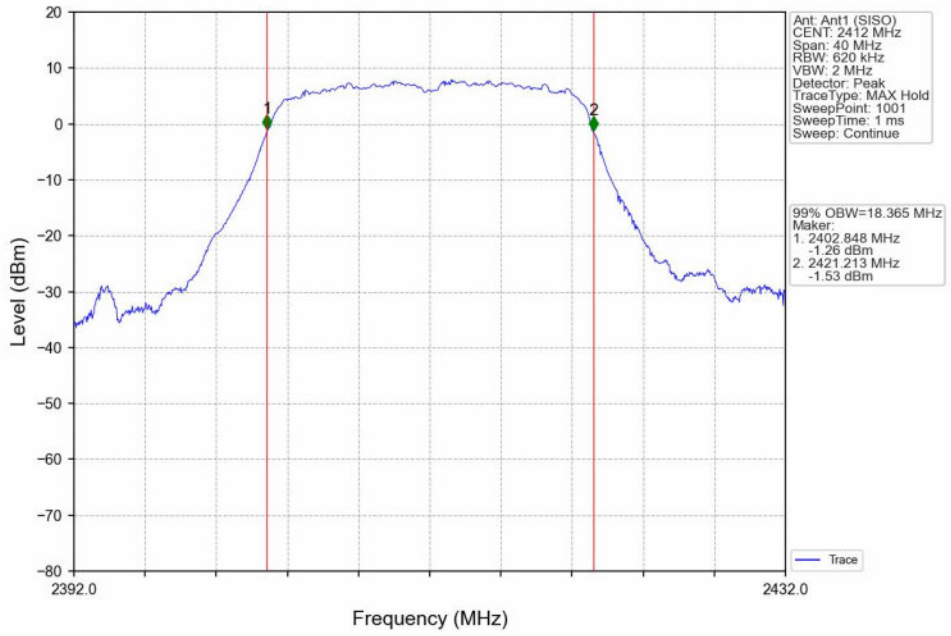
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



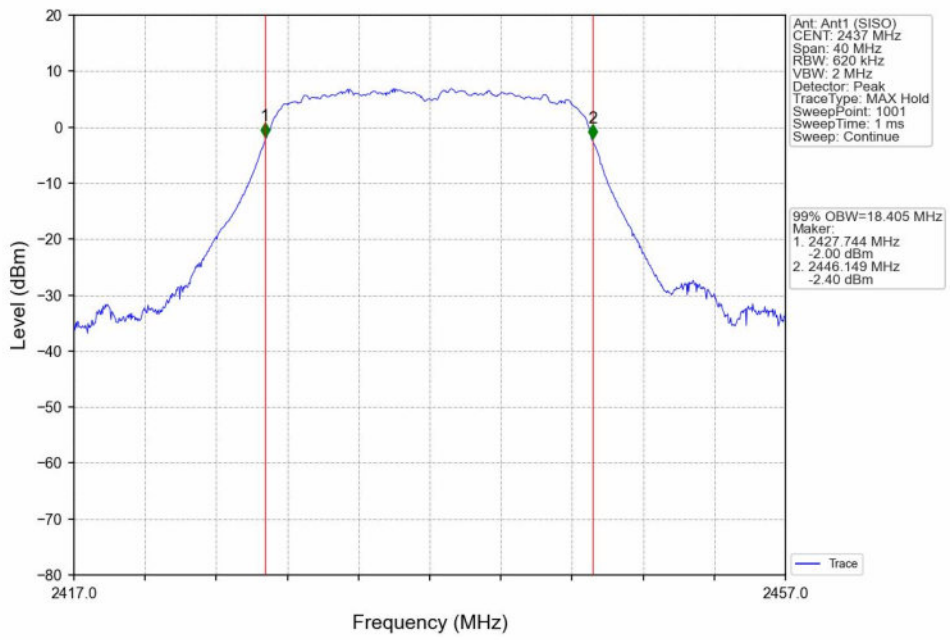
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



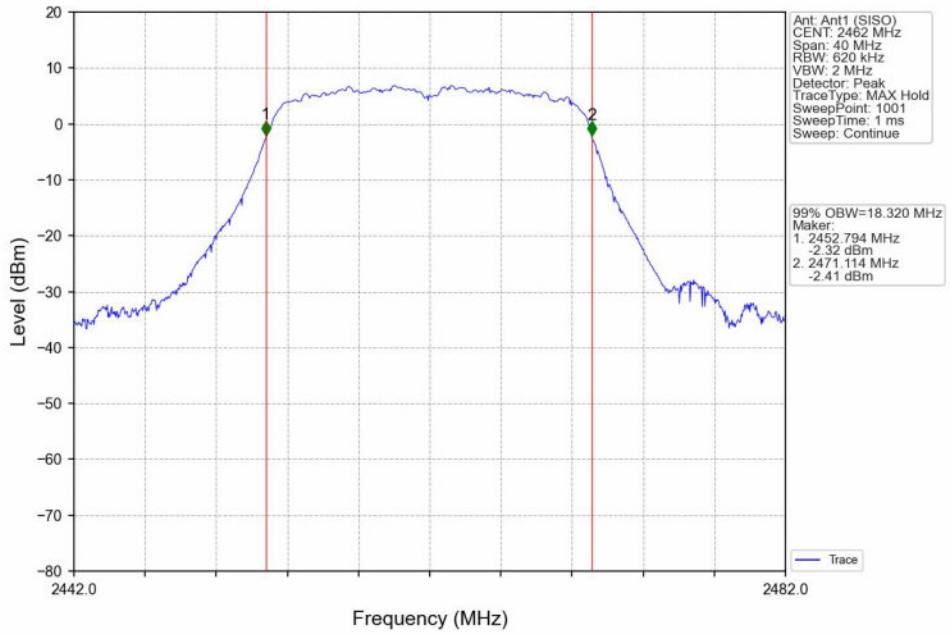
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



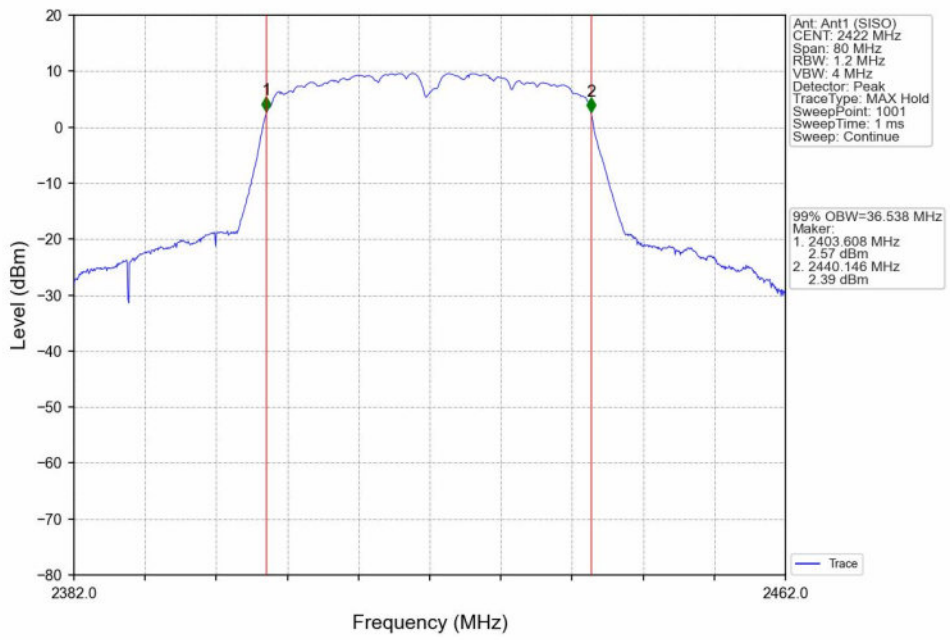
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



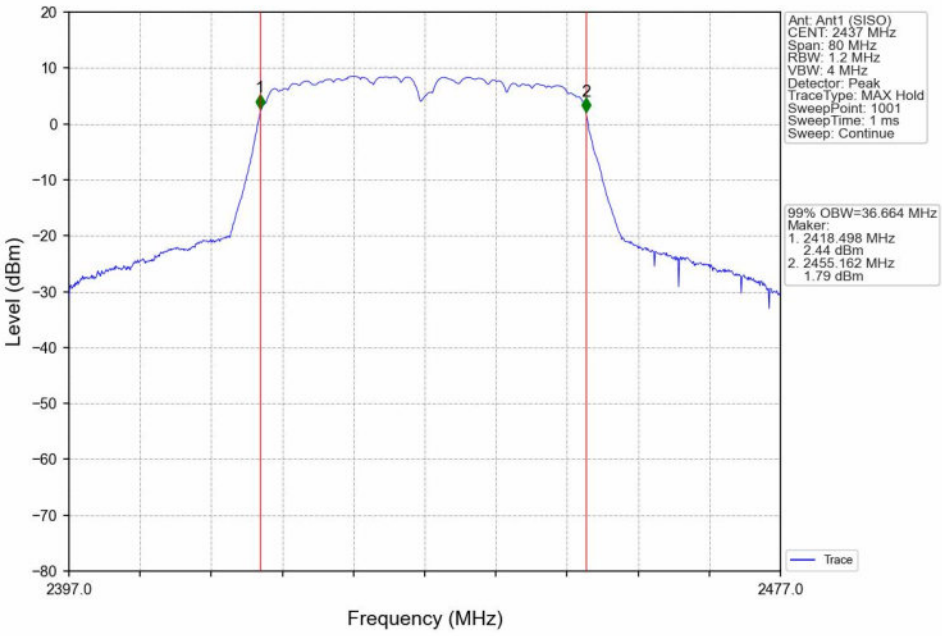
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



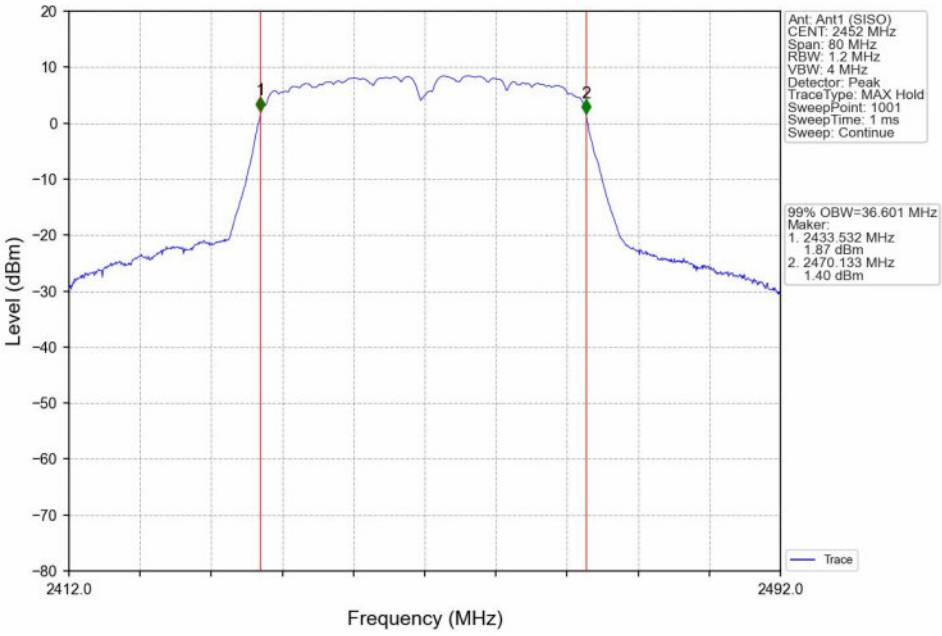
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



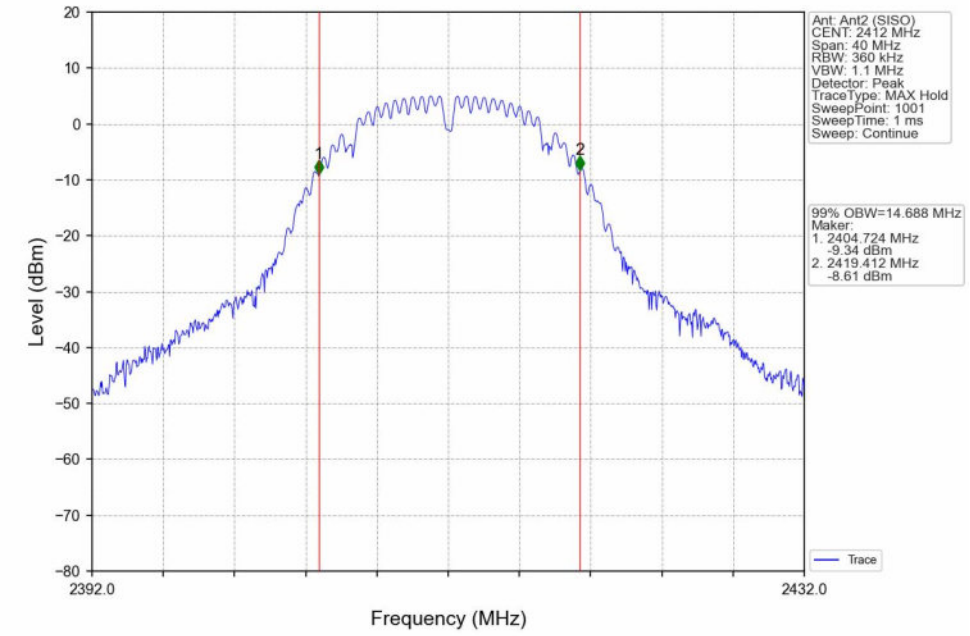
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



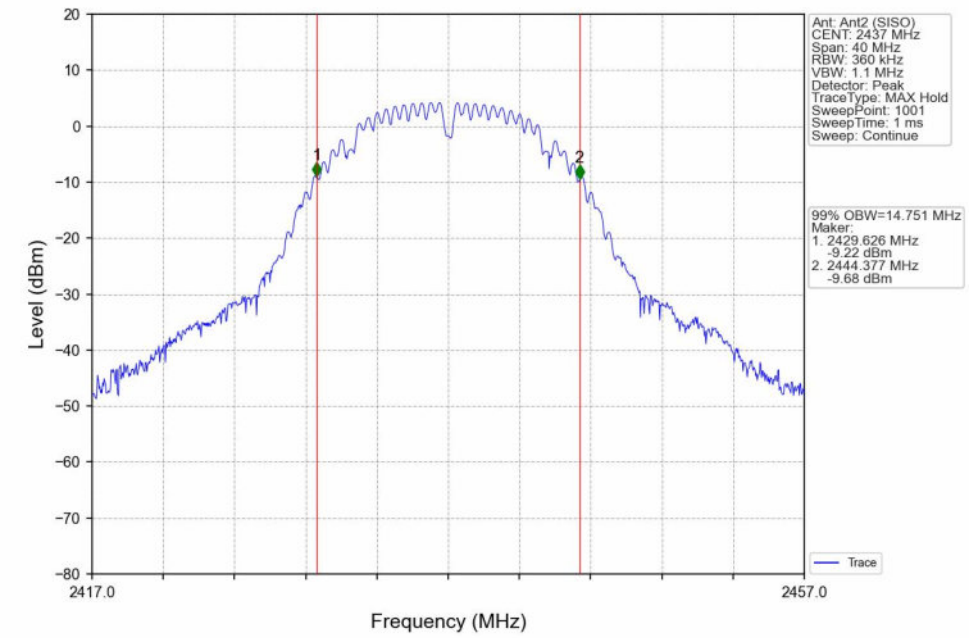
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



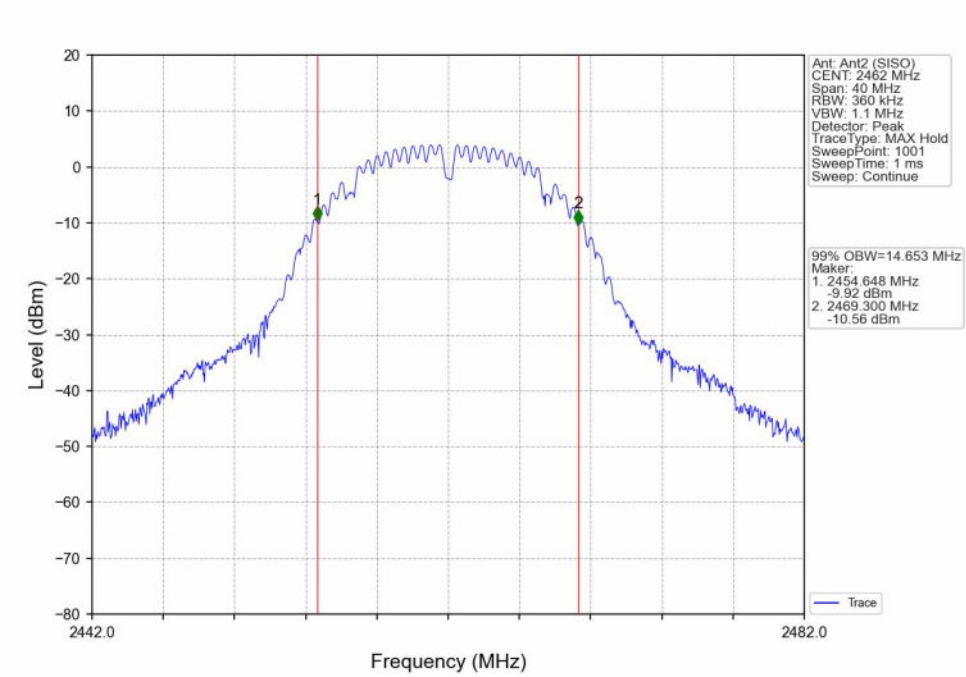
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



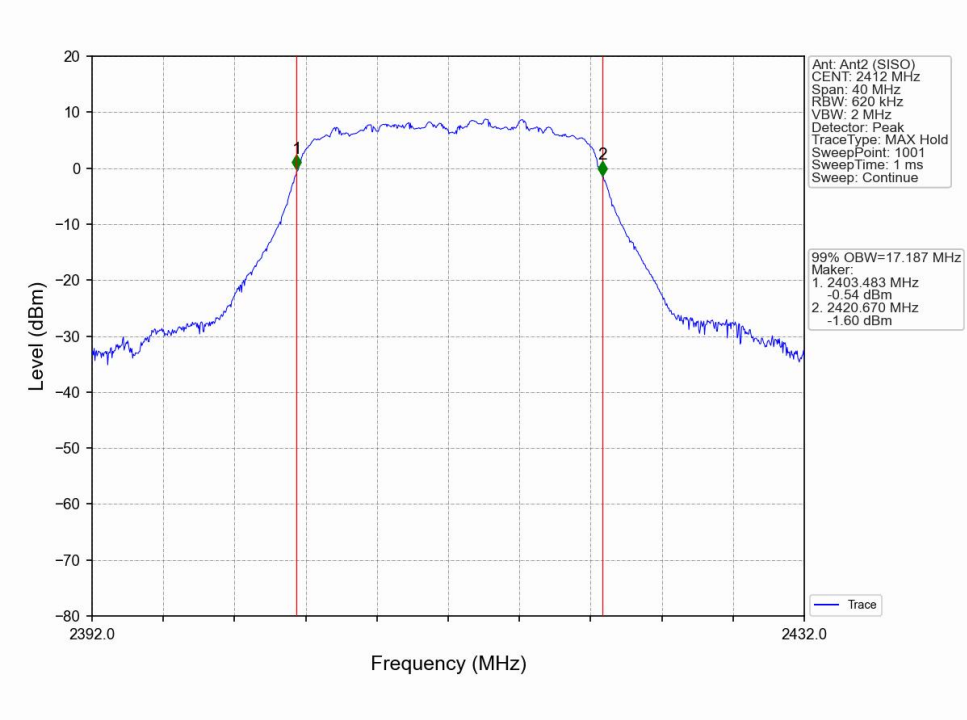
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



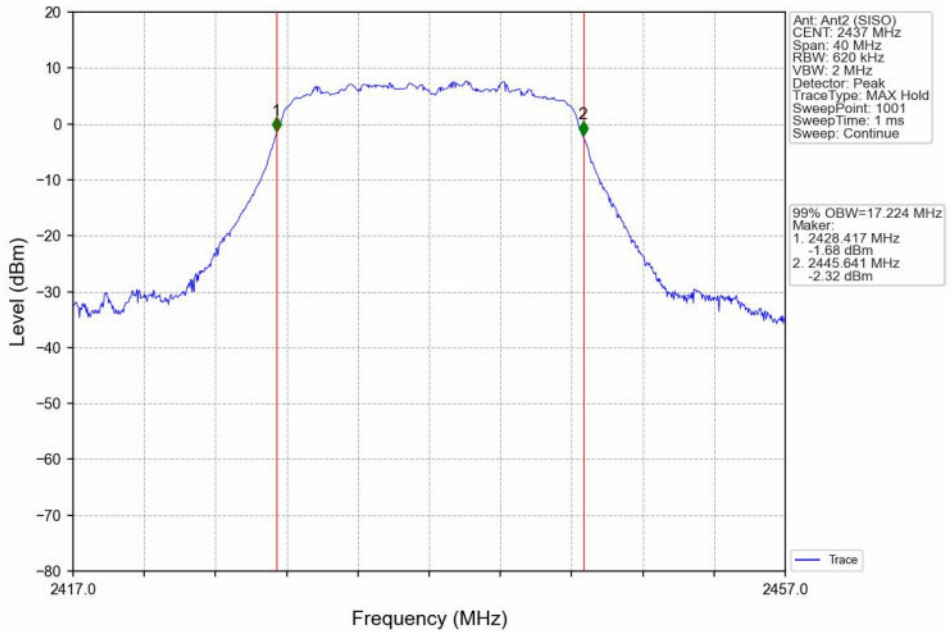
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



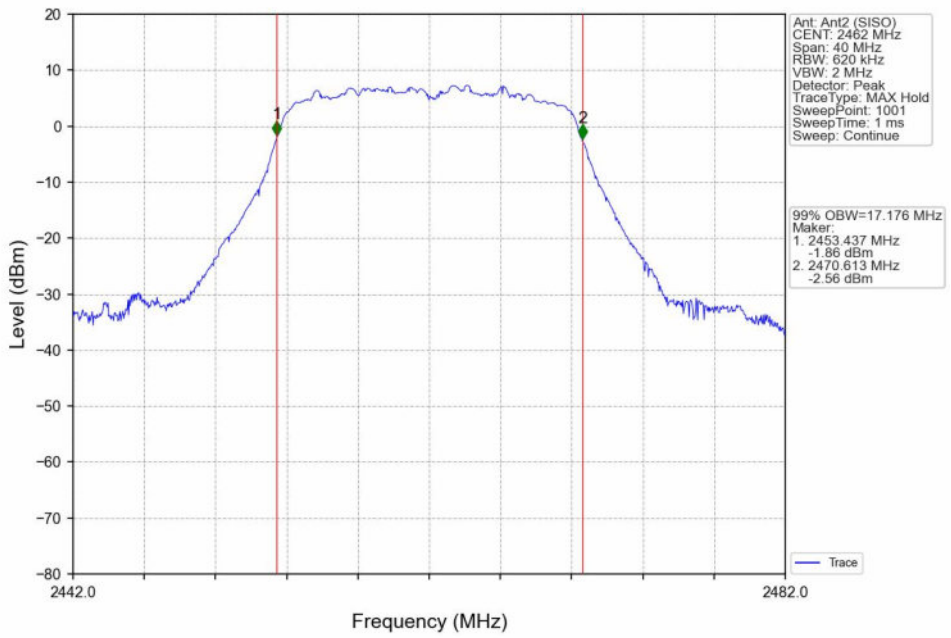
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



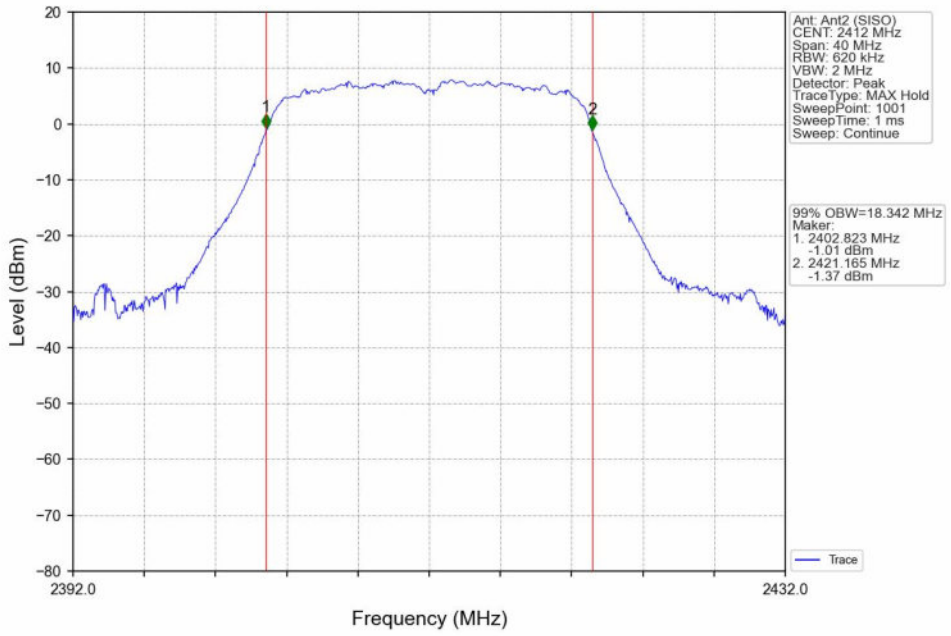
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



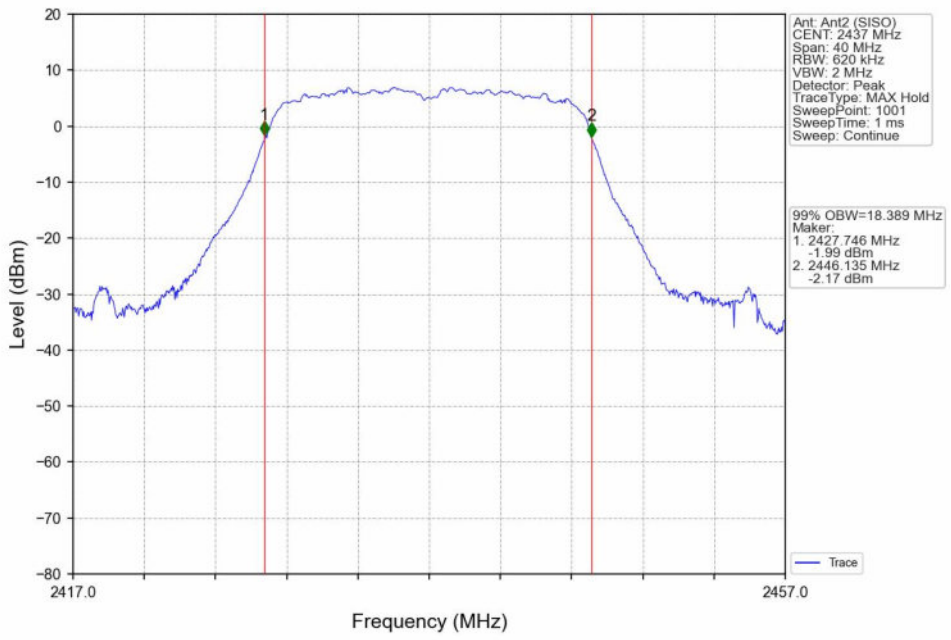
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



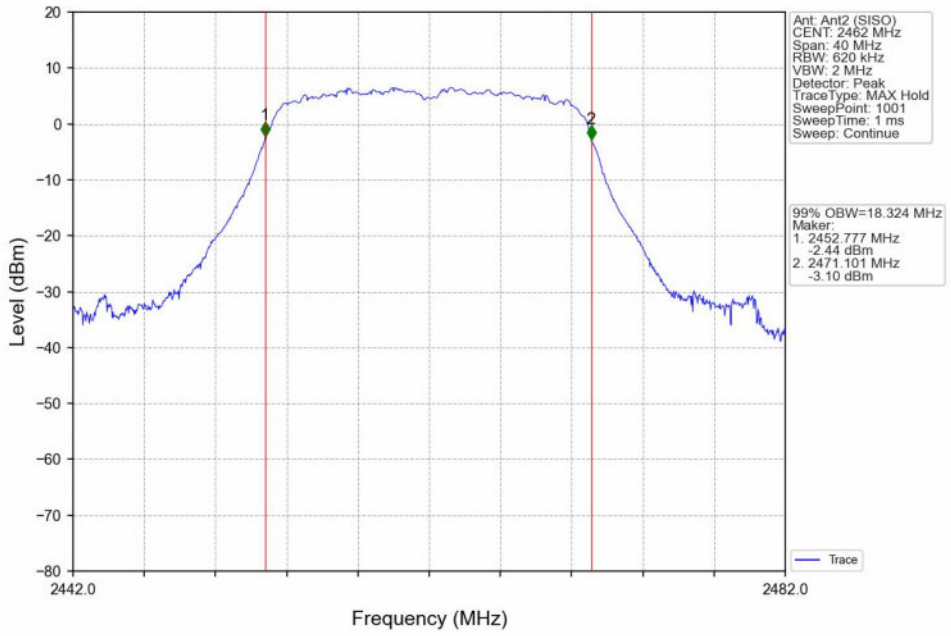
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



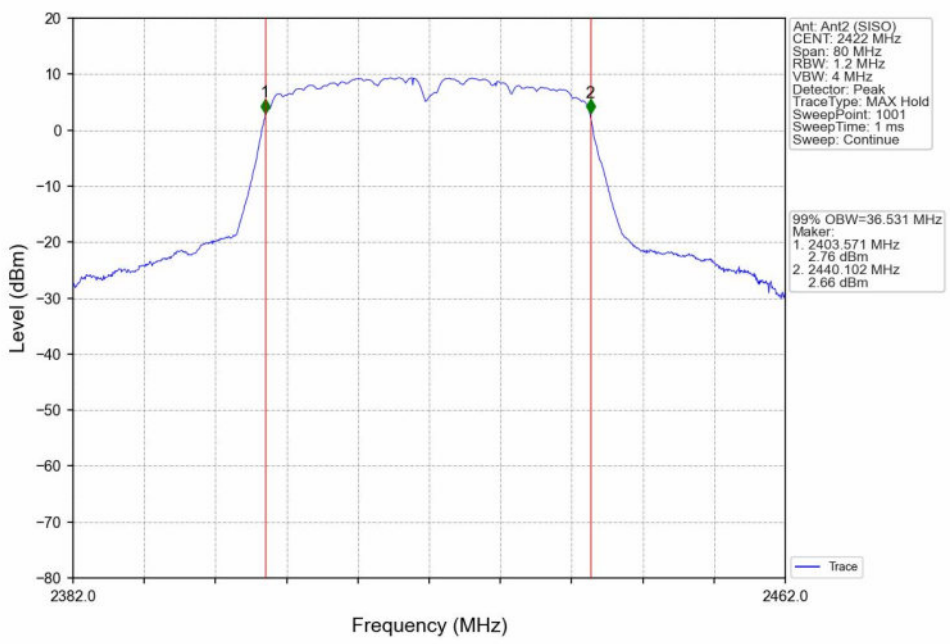
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



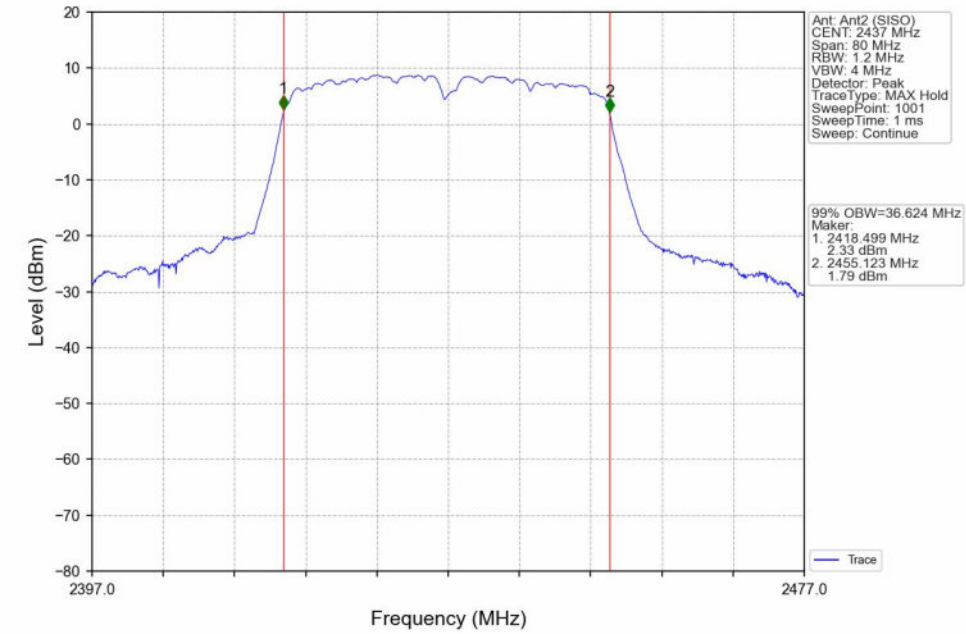
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



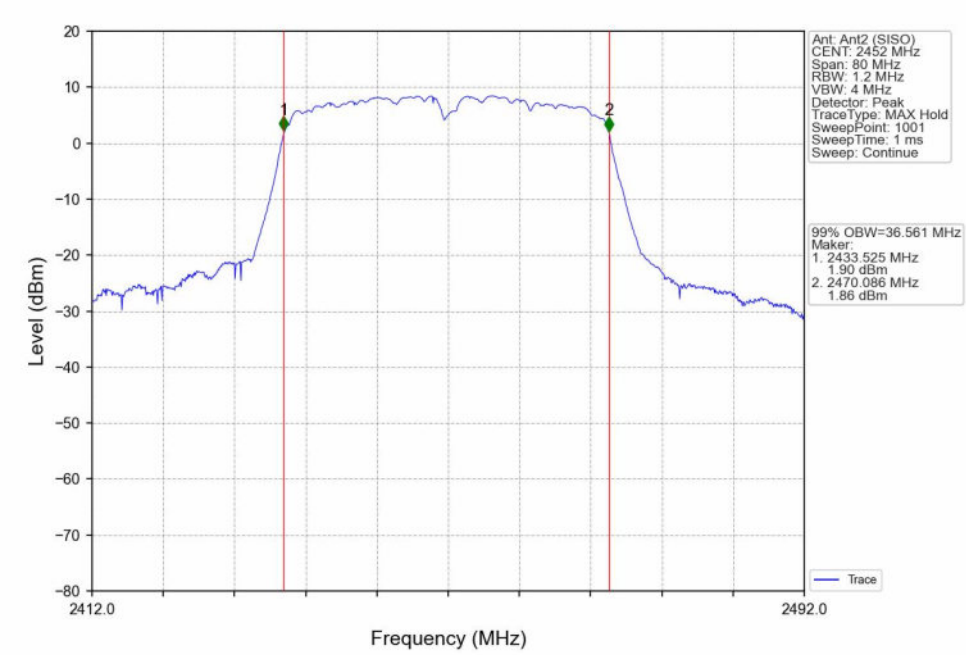
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



1.2 6dB BW

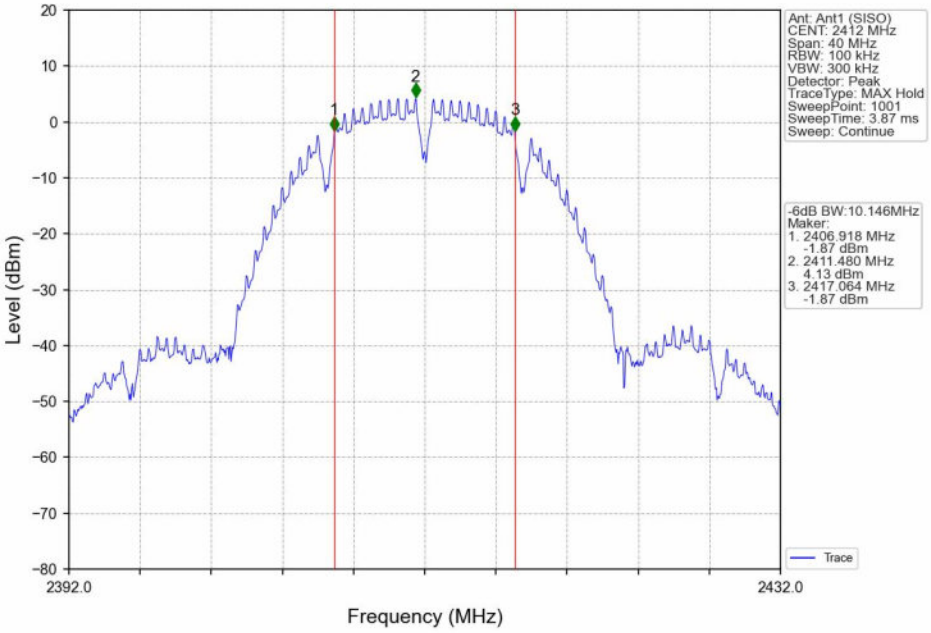
1.2.1 Test Result

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

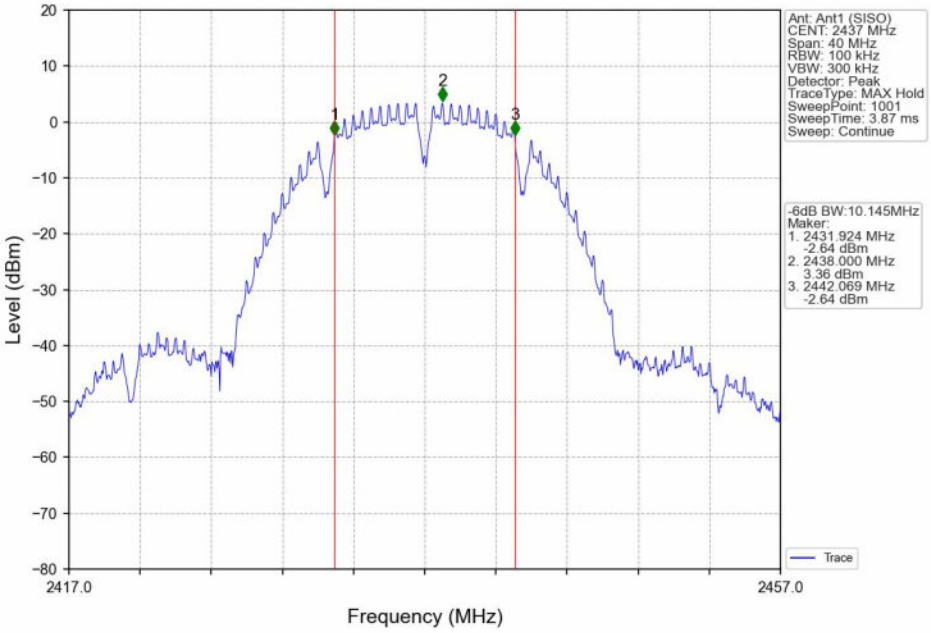
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	10.145	>=0.5	Pass
		2437	2	10.140	>=0.5	Pass
		2462	2	10.138	>=0.5	Pass
802.11g	SISO	2412	2	15.356	>=0.5	Pass
		2437	2	15.479	>=0.5	Pass
		2462	2	15.479	>=0.5	Pass
802.11n (HT20)	SISO	2412	2	15.685	>=0.5	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

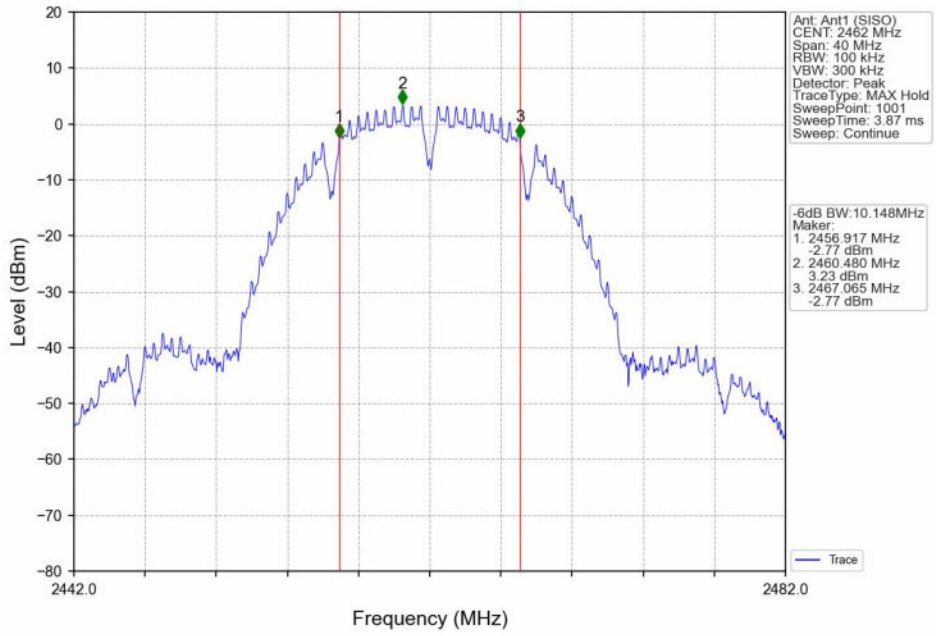
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



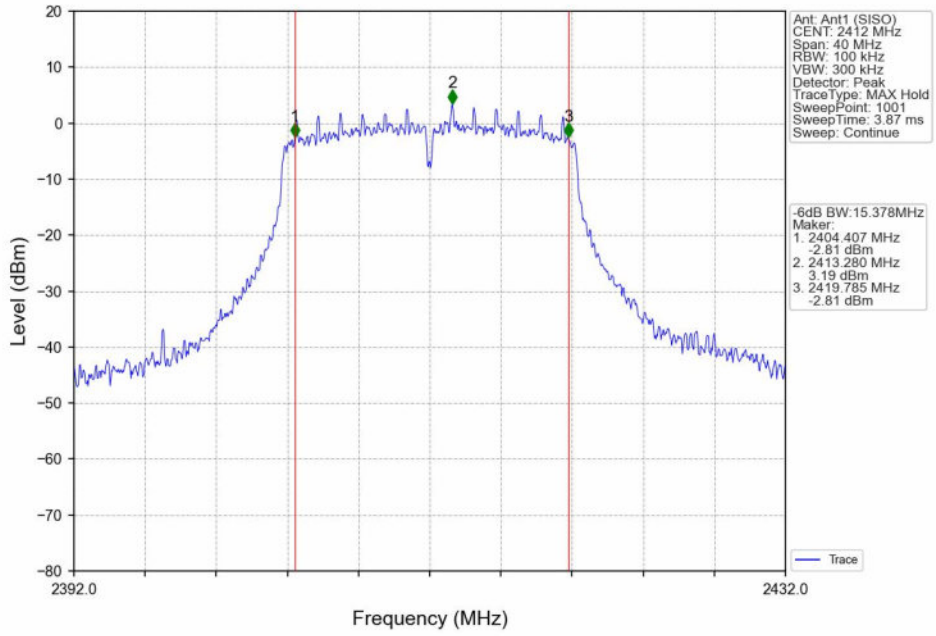
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



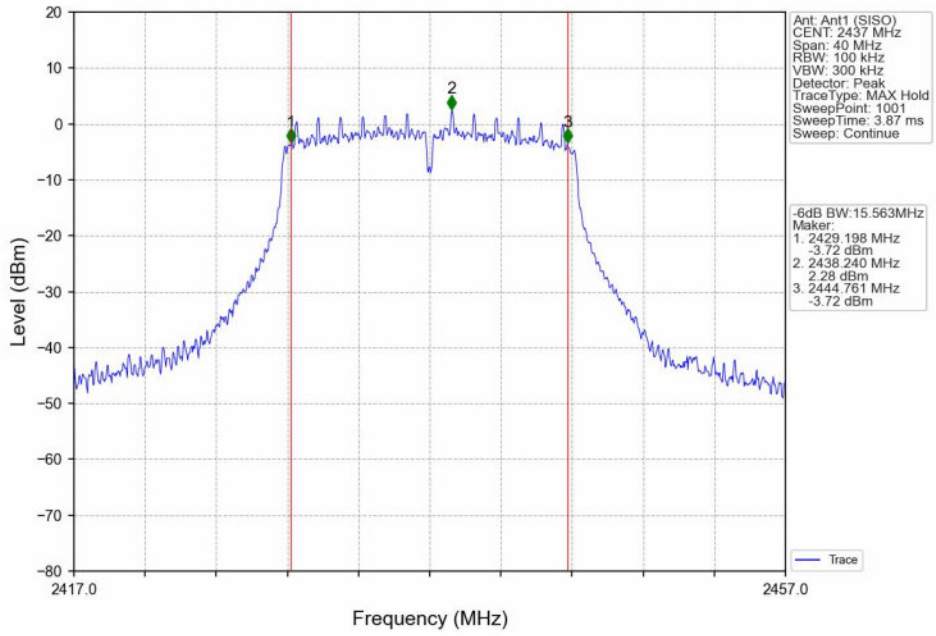
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



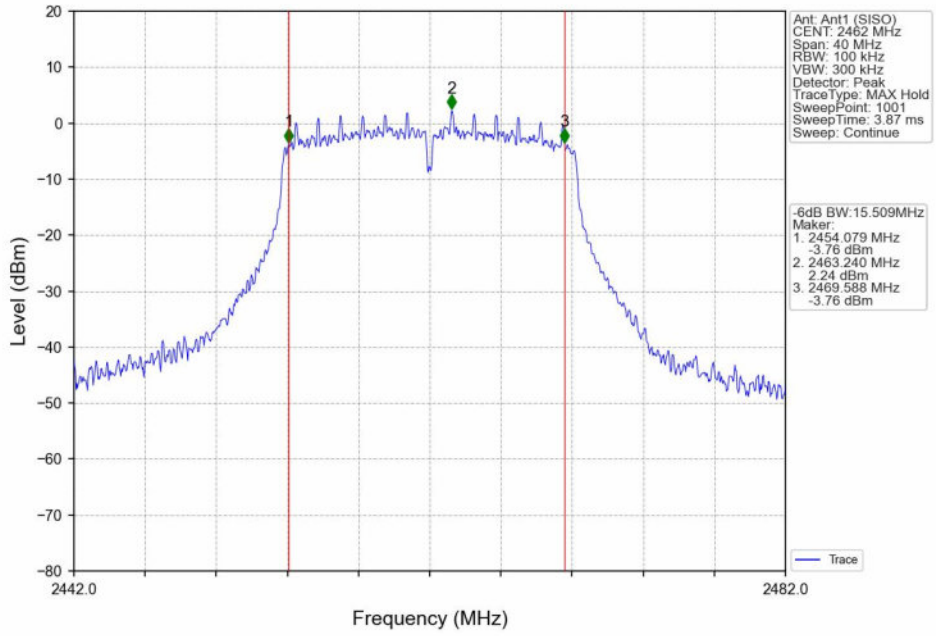
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



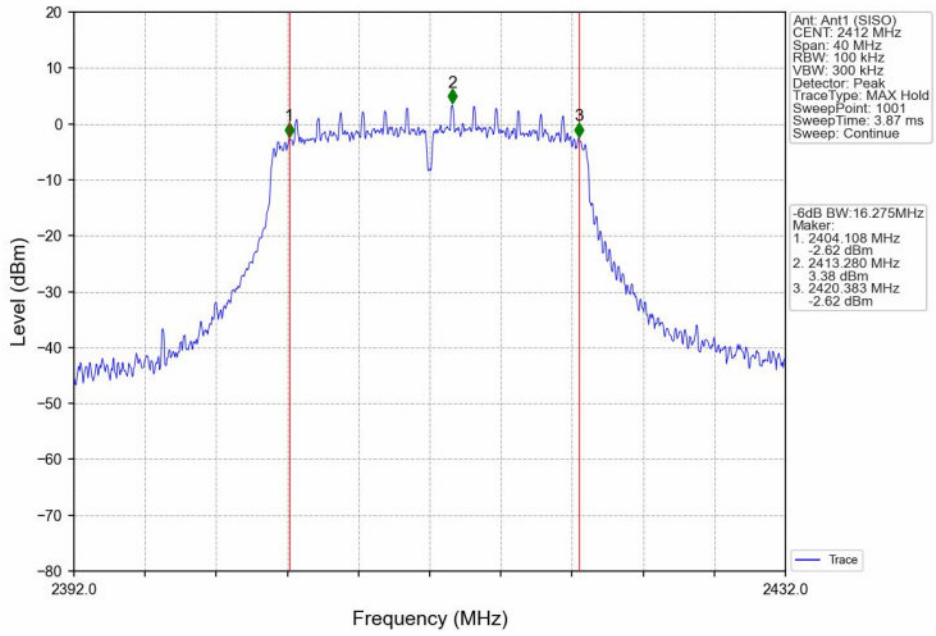
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



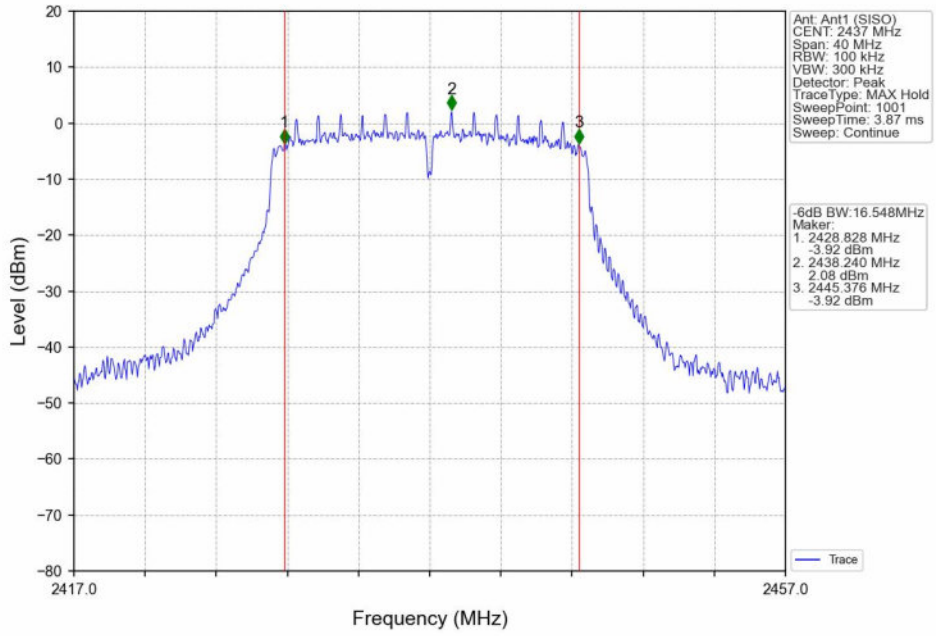
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



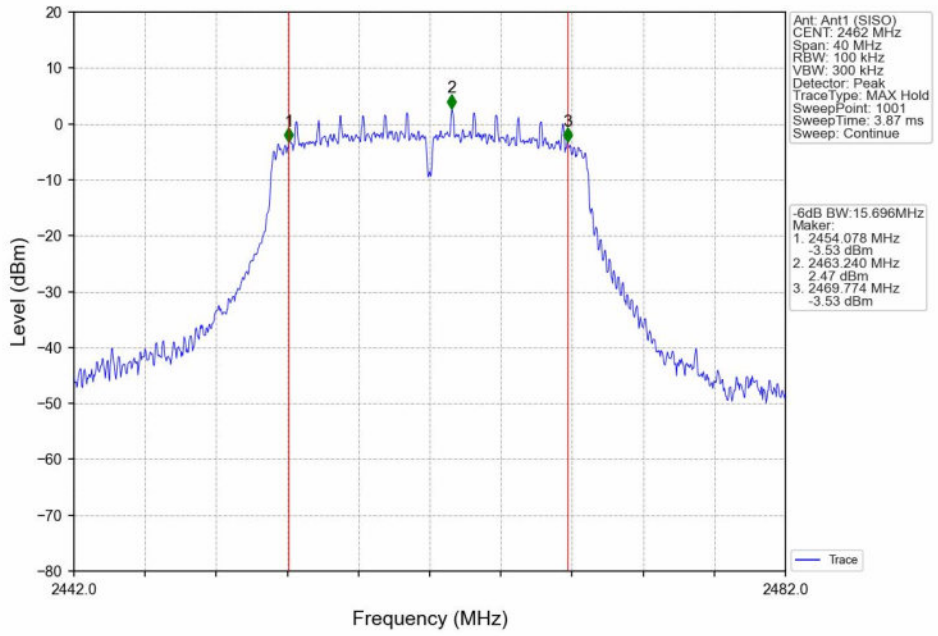
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



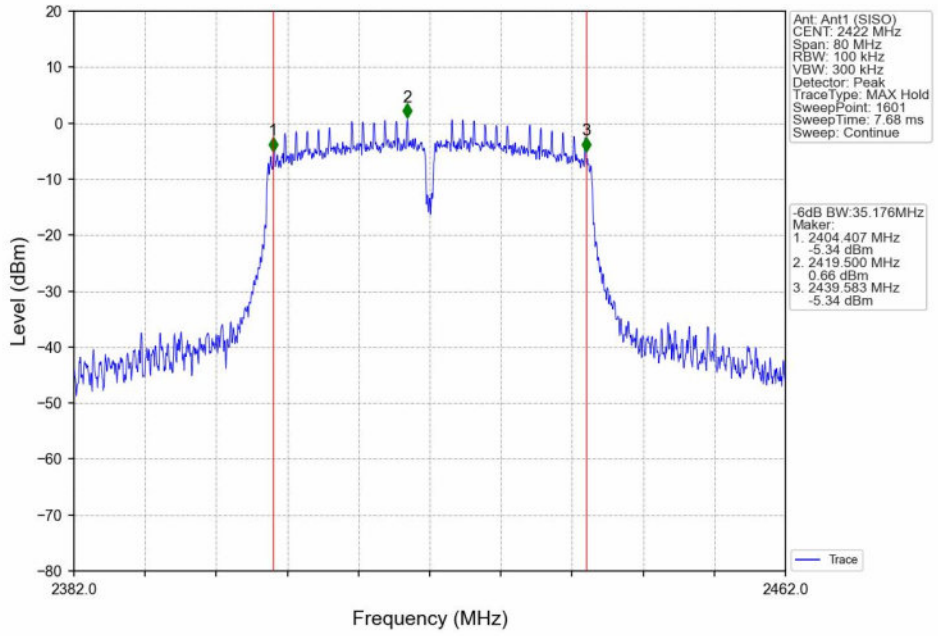
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



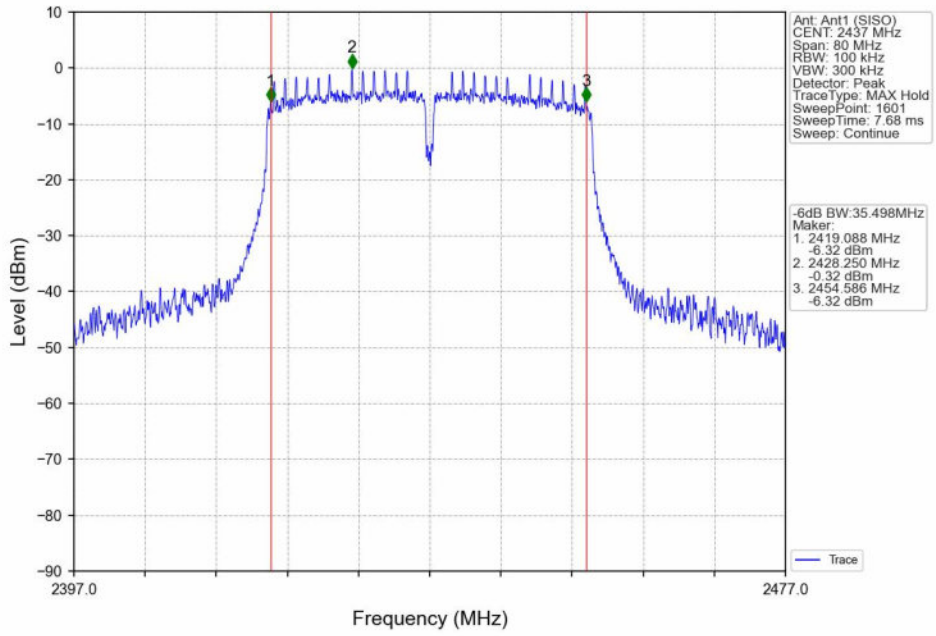
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



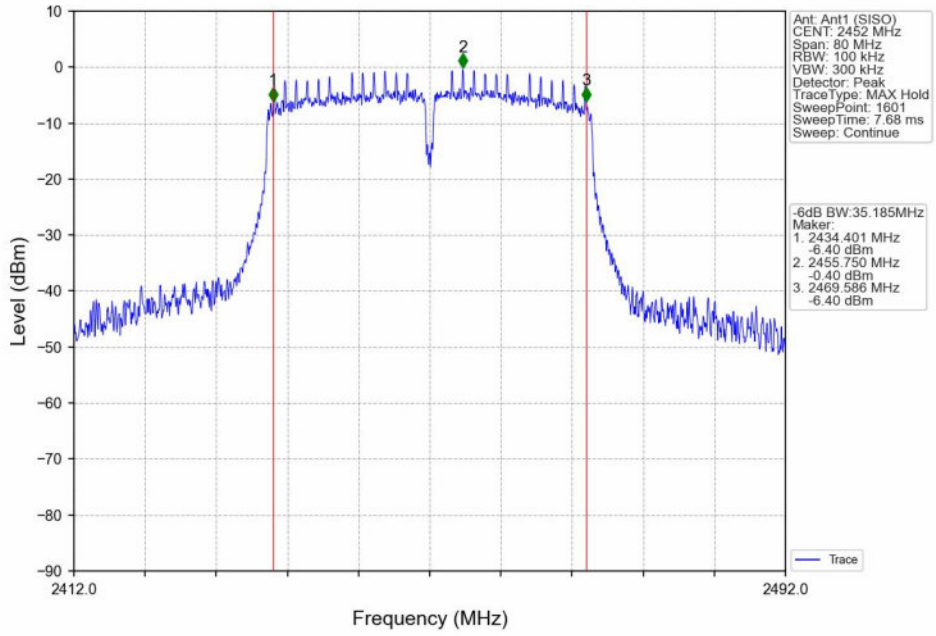
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



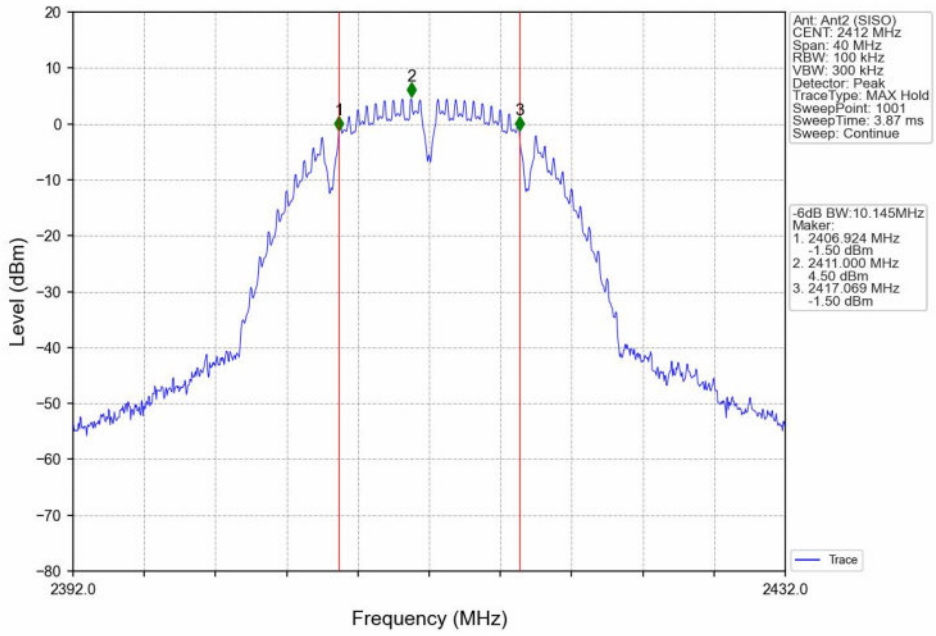
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



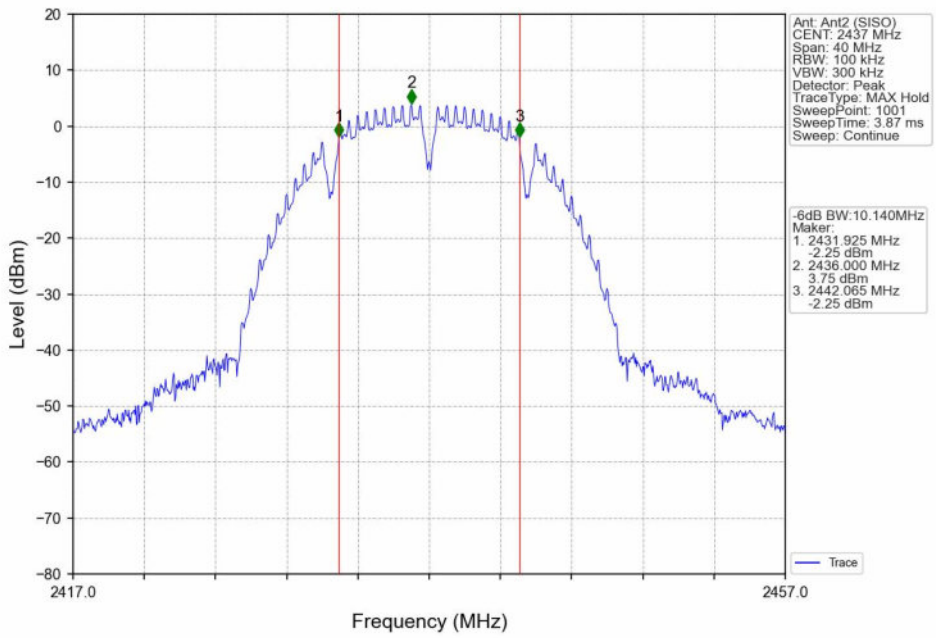
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



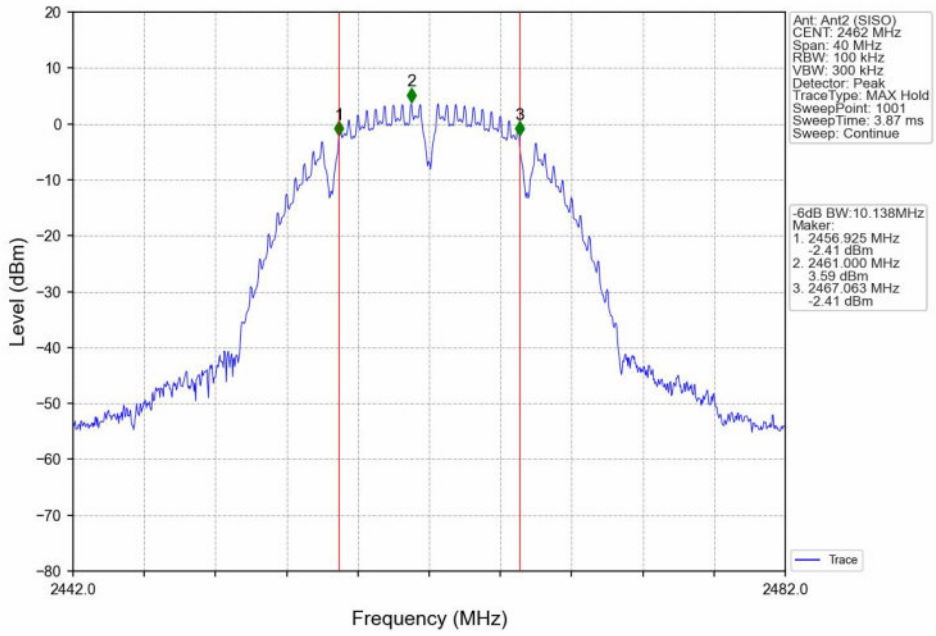
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



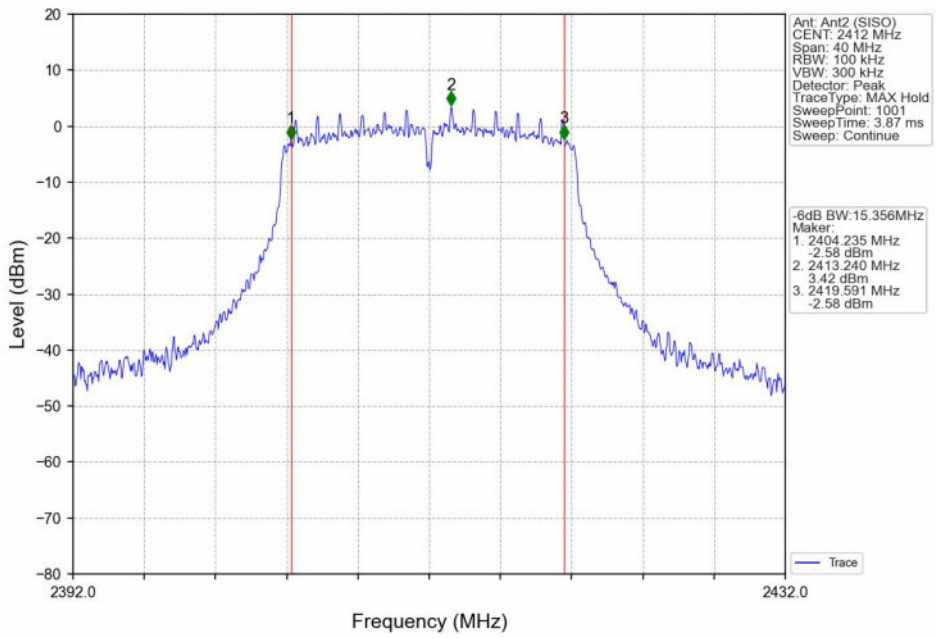
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



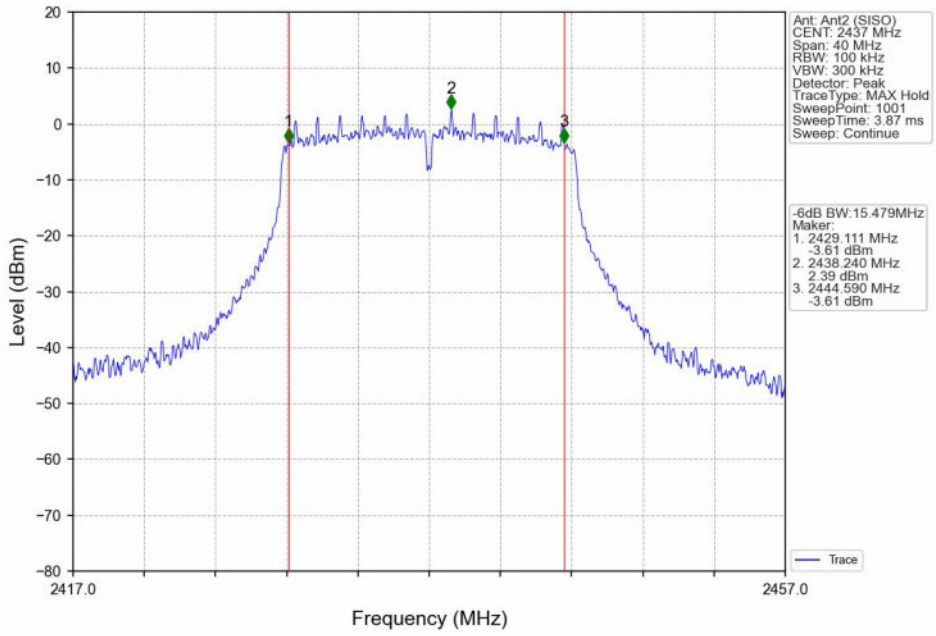
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



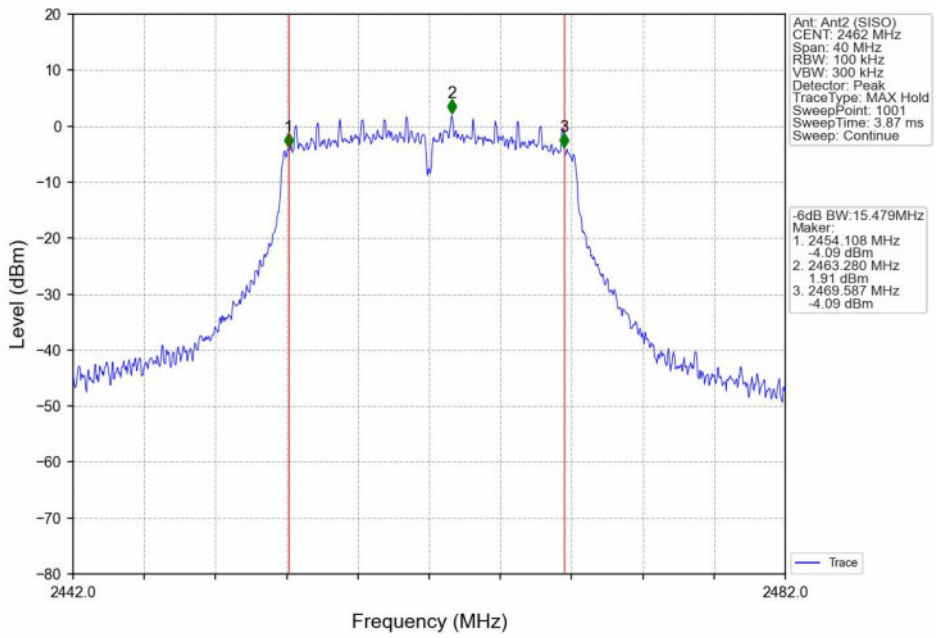
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



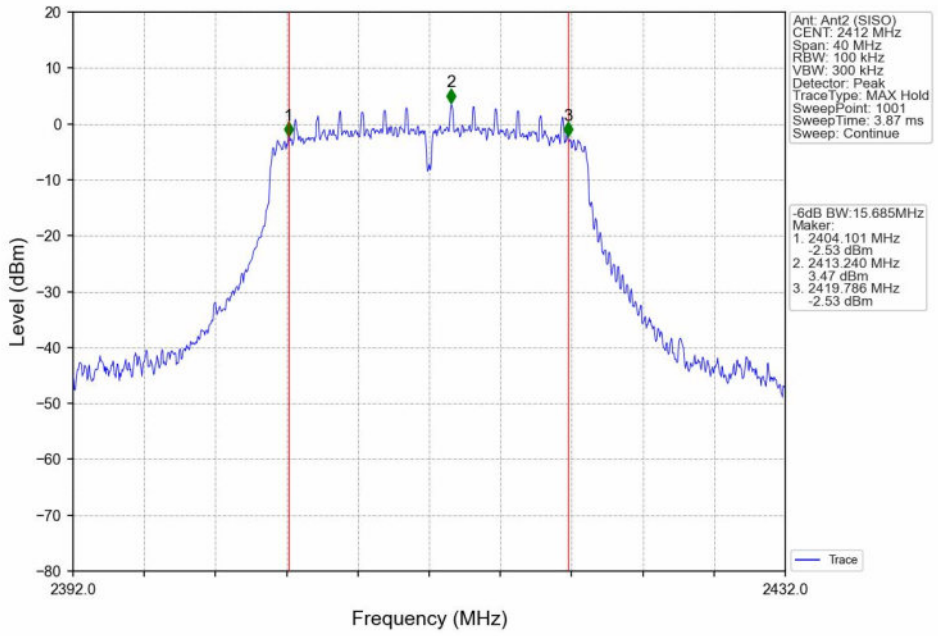
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



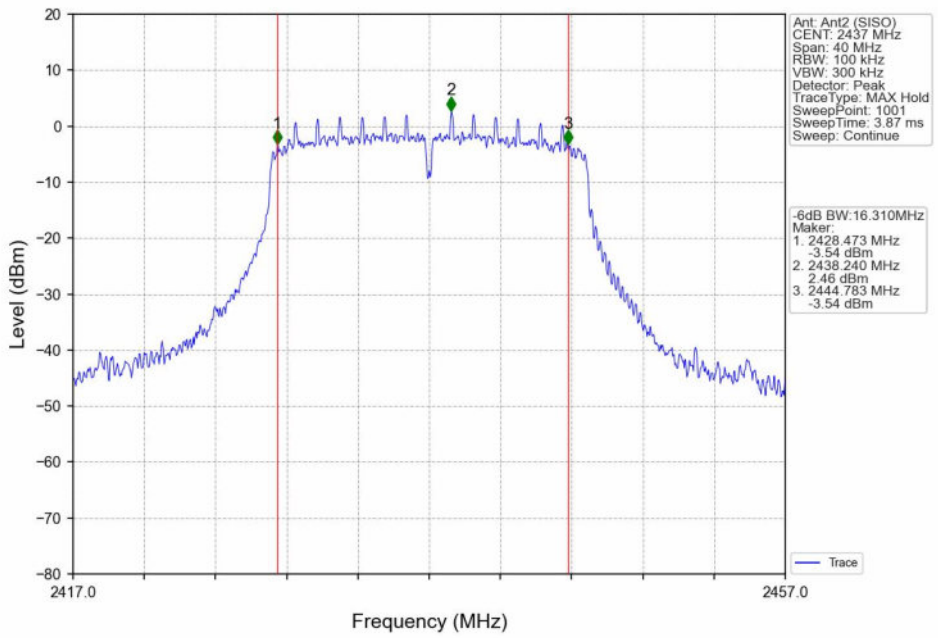
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



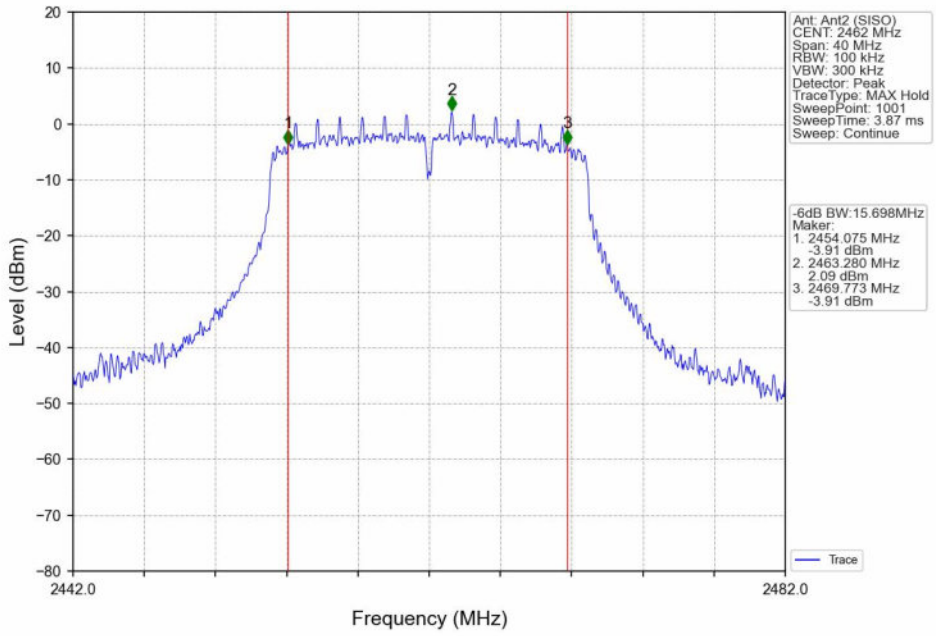
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



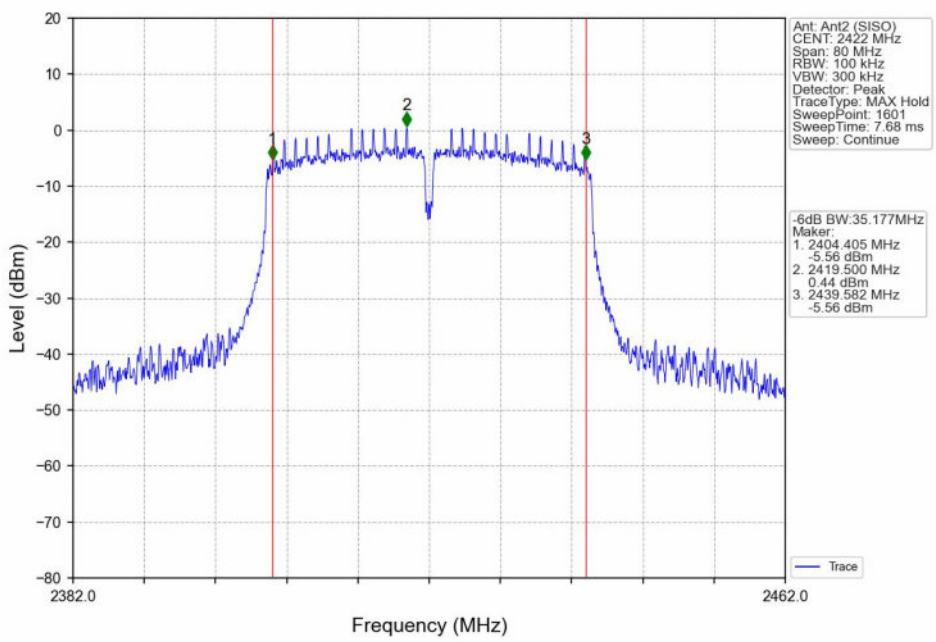
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



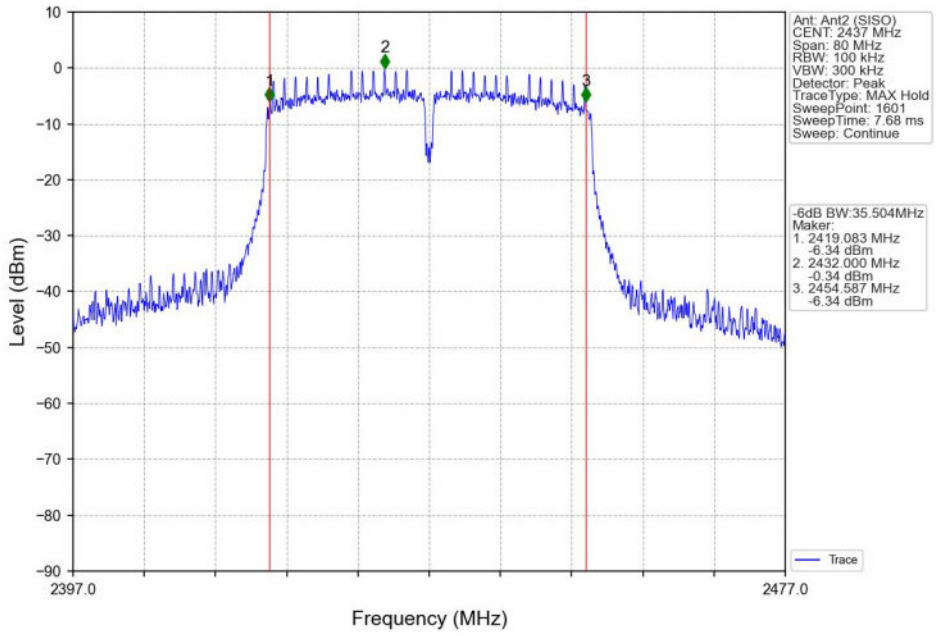
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



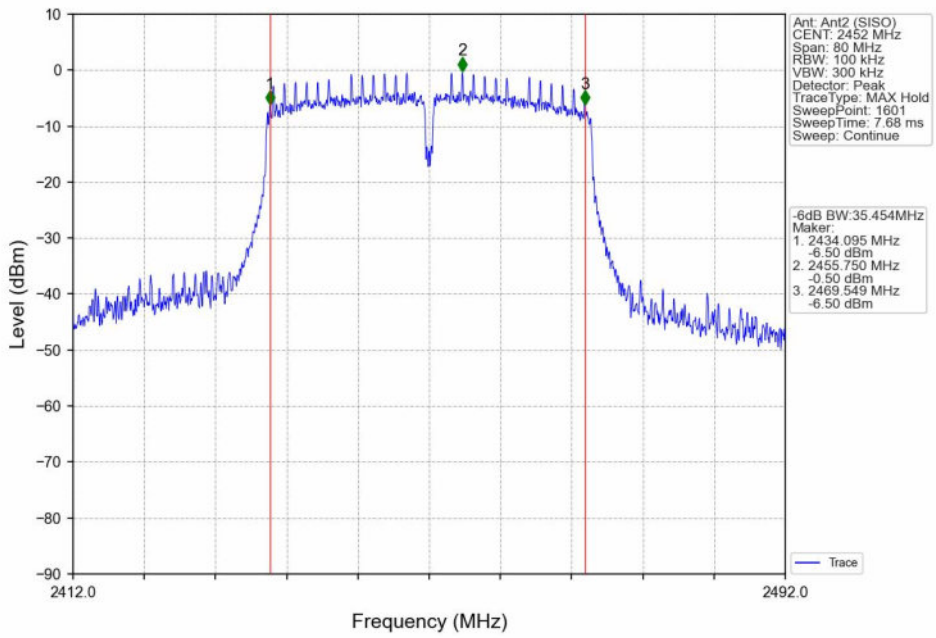
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



2. Maximum Conducted Output Power

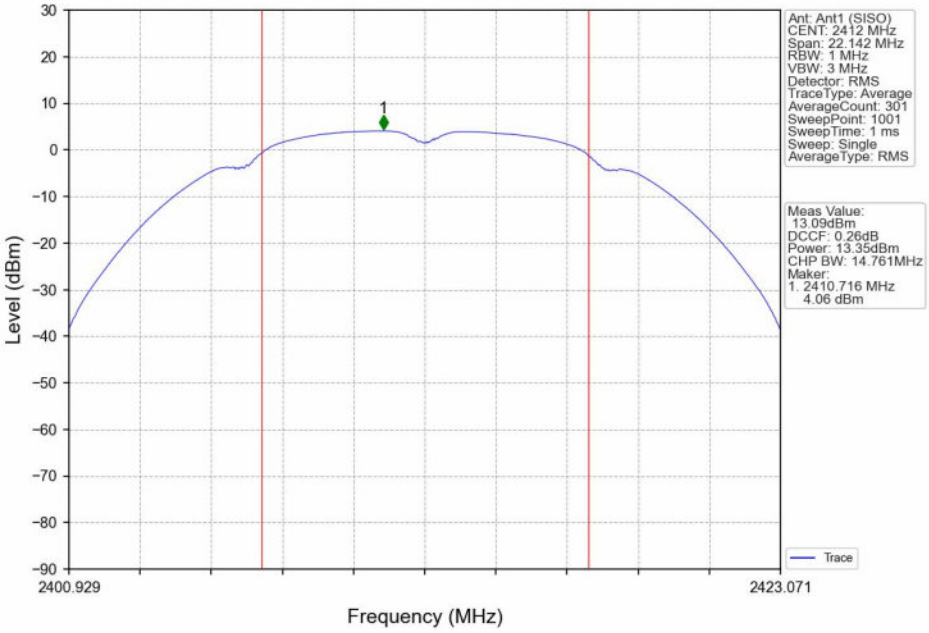
2.1 Power

2.1.1 Test Result

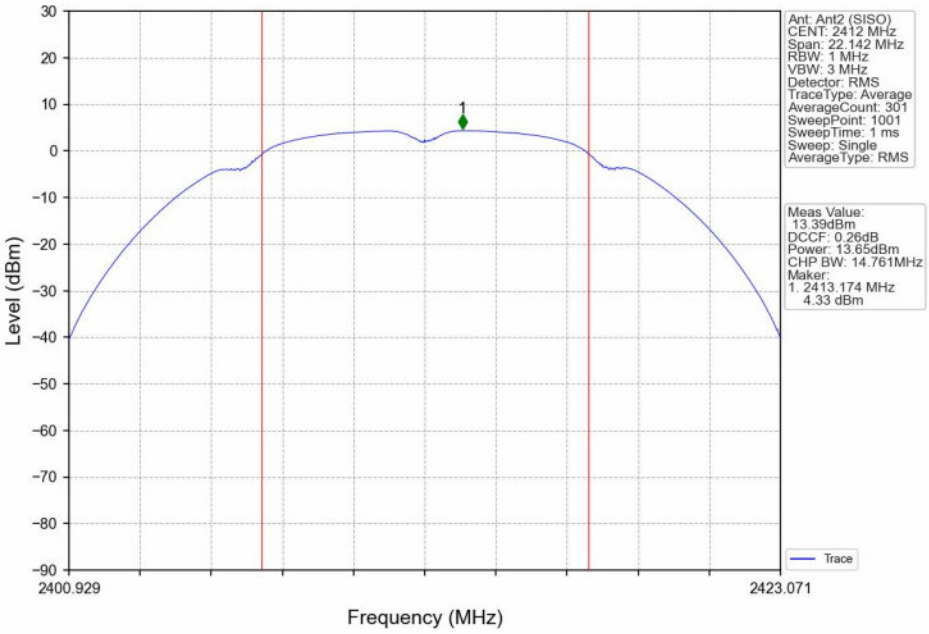
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	13.35	13.65	/	<=30	Pass
		2437	12.57	13.42	/	<=30	Pass
		2462	12.60	13.00	/	<=30	Pass
802.11g	SISO	2412	13.77	13.39	/	<=30	Pass
		2437	12.86	12.89	/	<=30	Pass
		2462	12.90	12.65	/	<=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

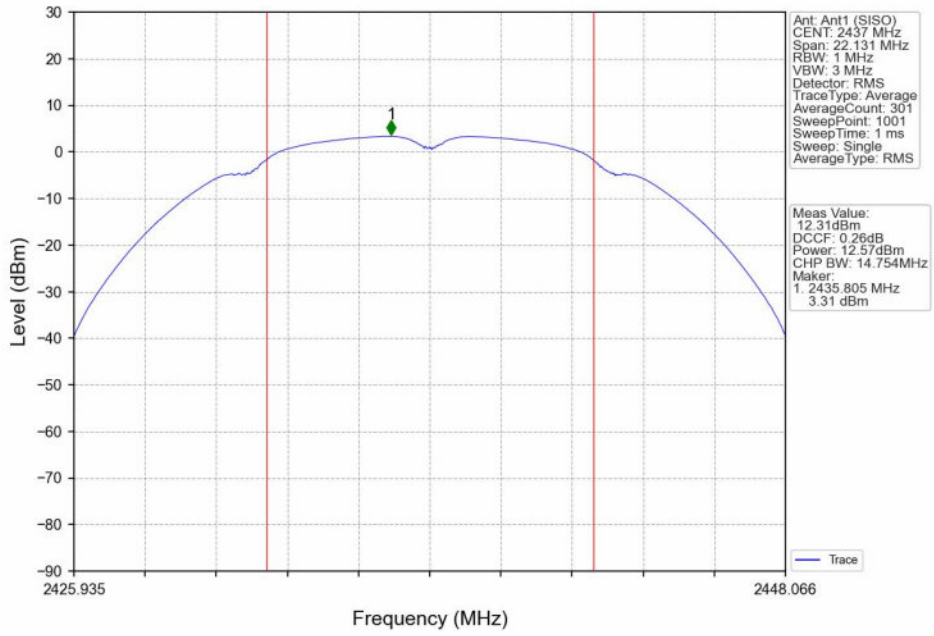
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



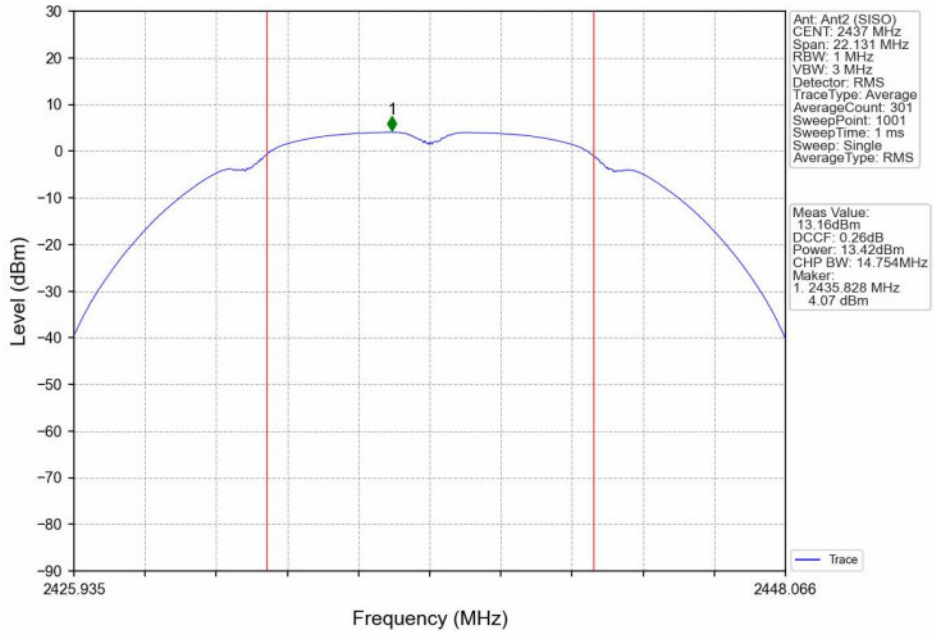
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



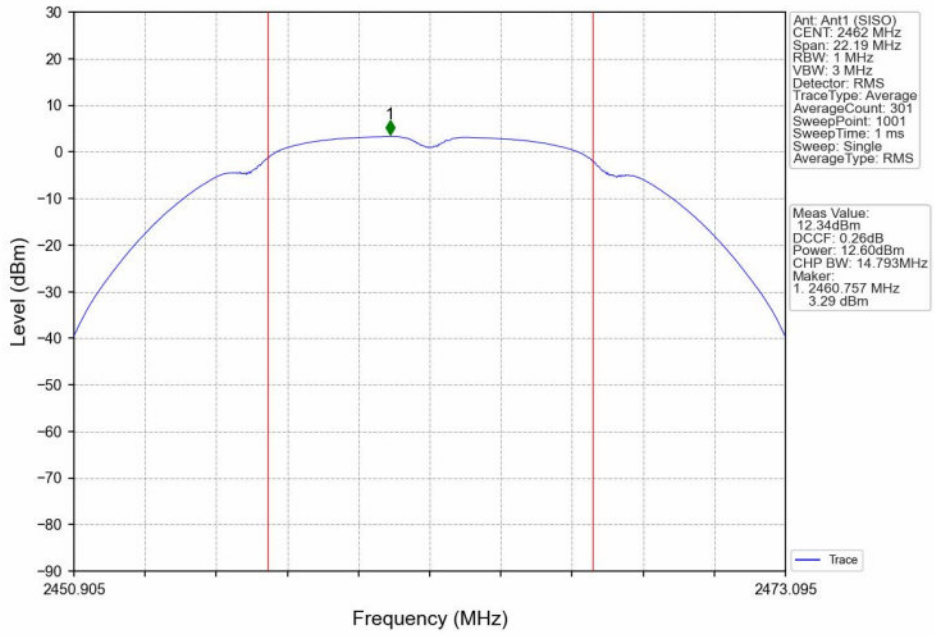
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



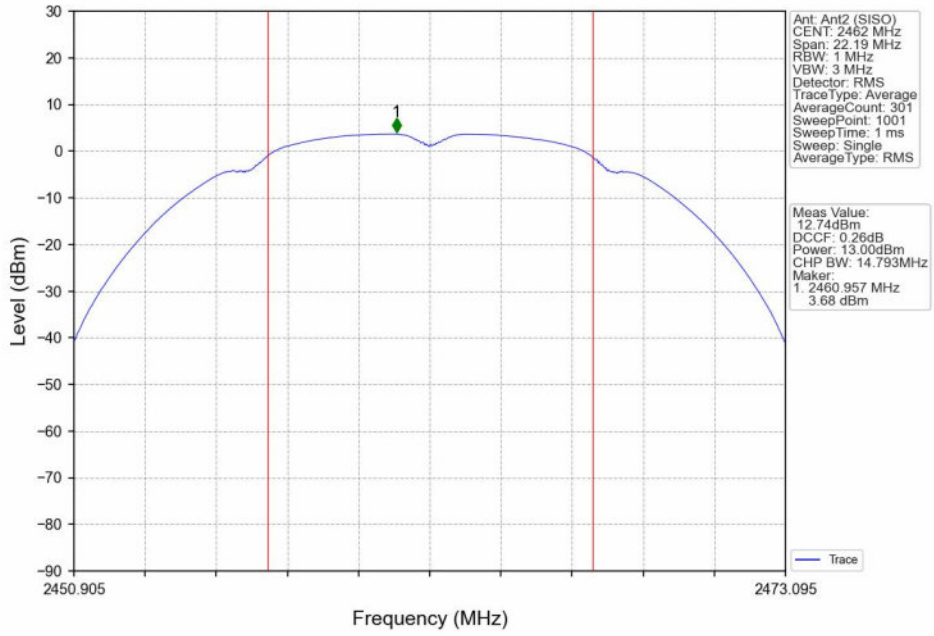
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



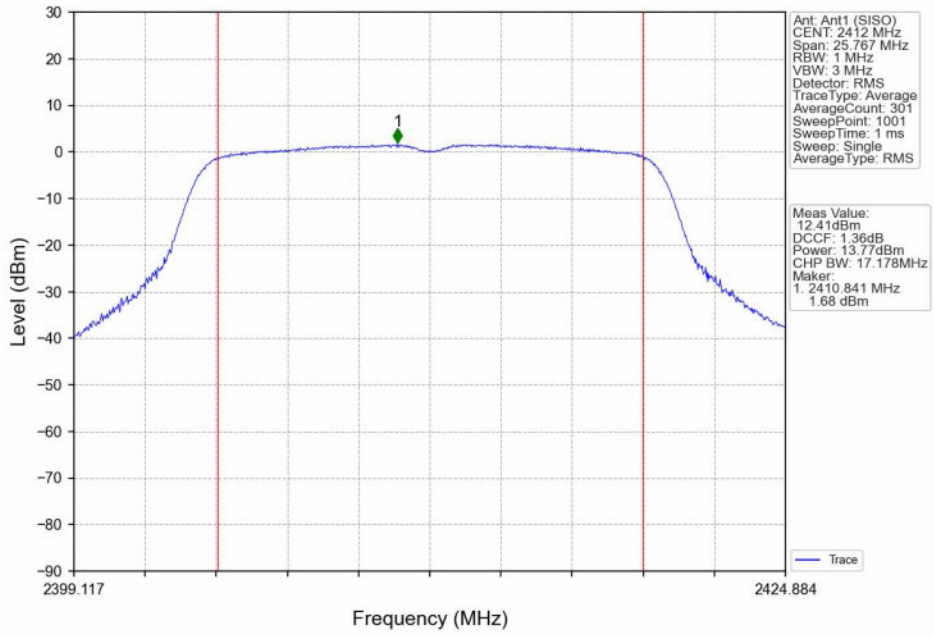
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



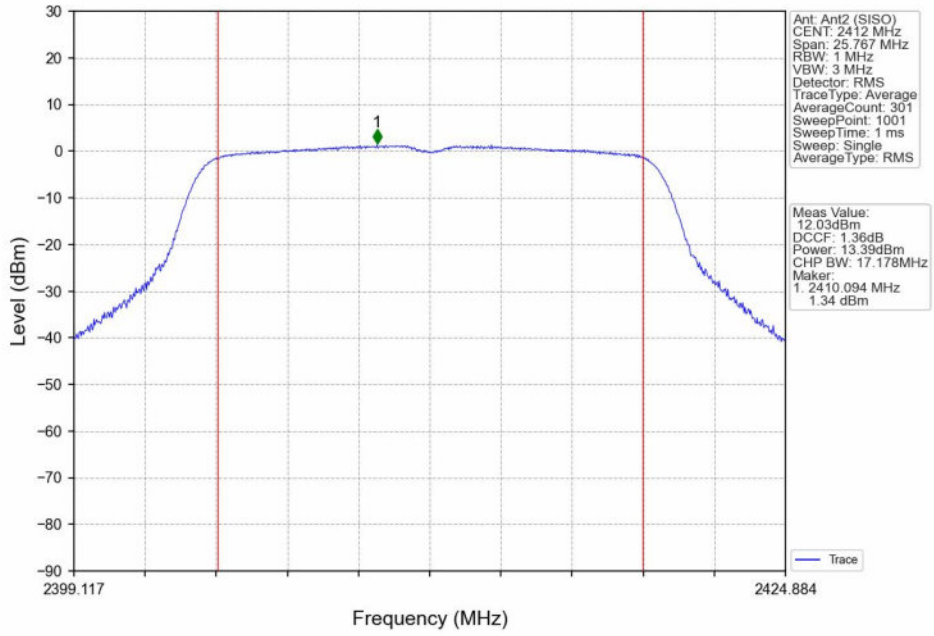
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



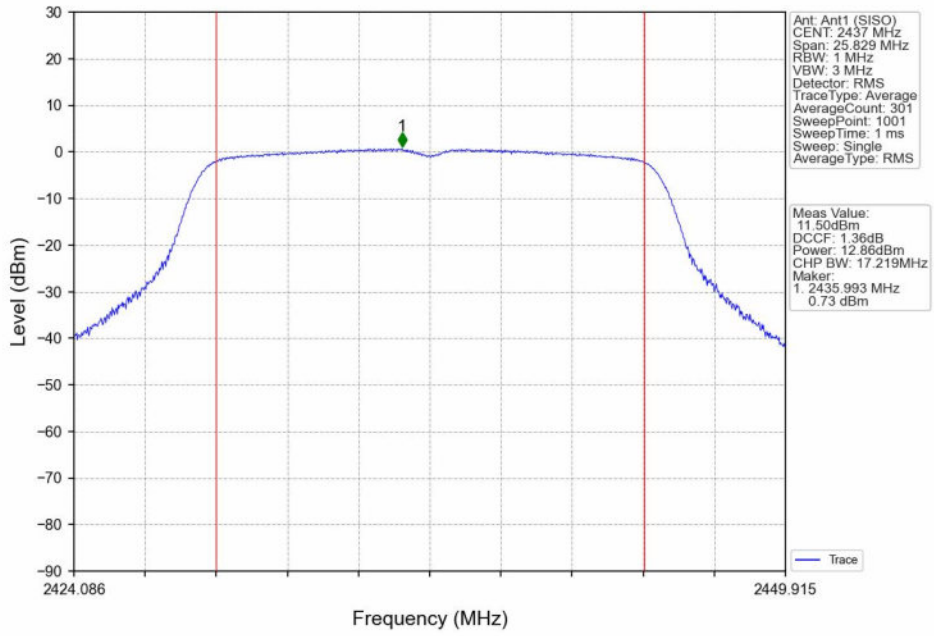
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



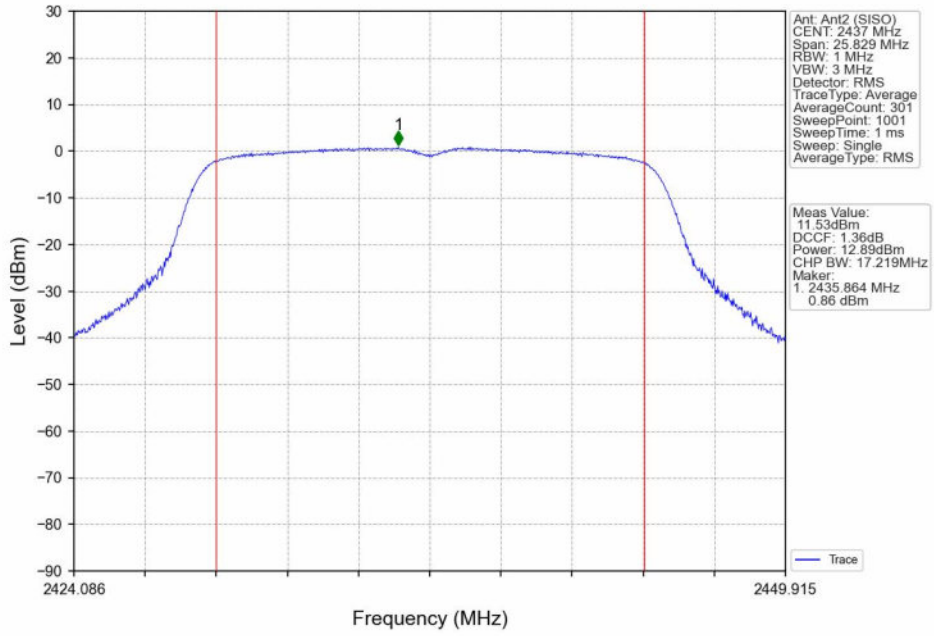
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



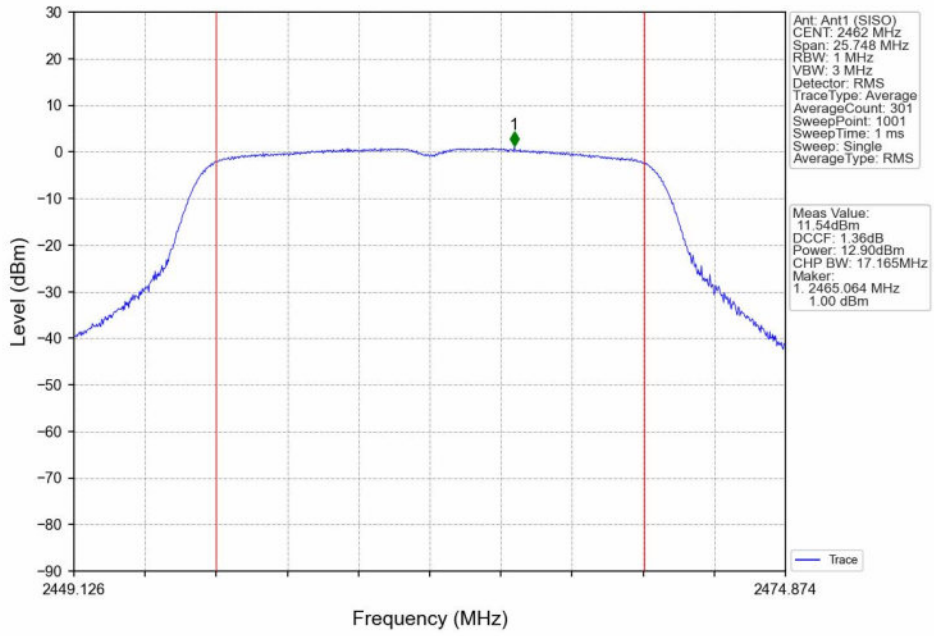
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



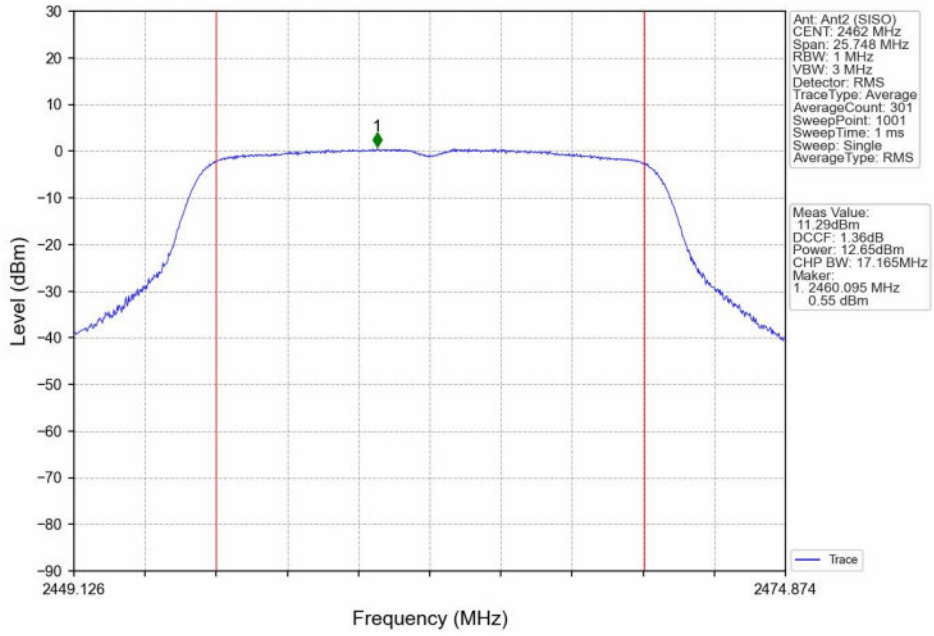
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



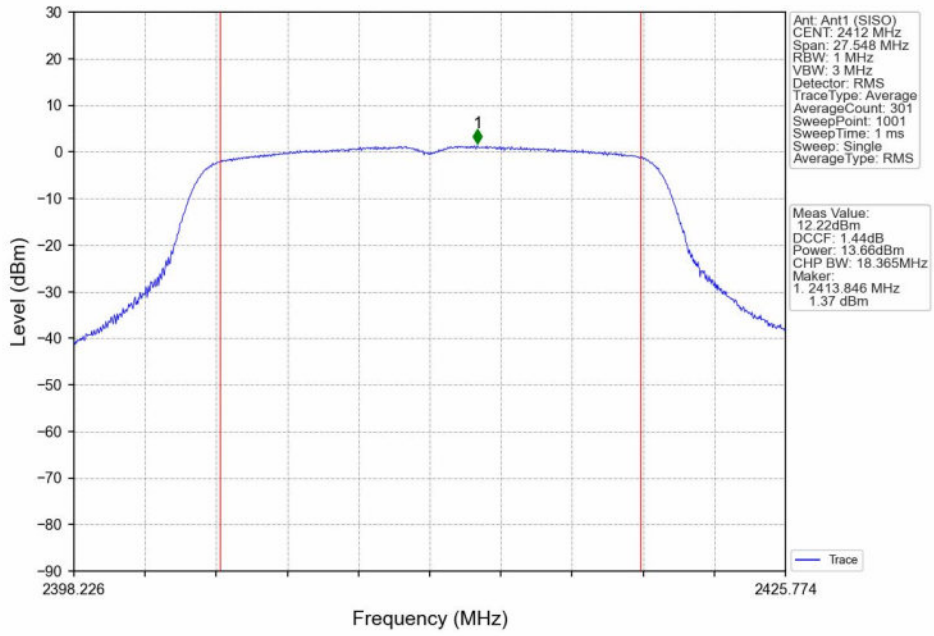
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



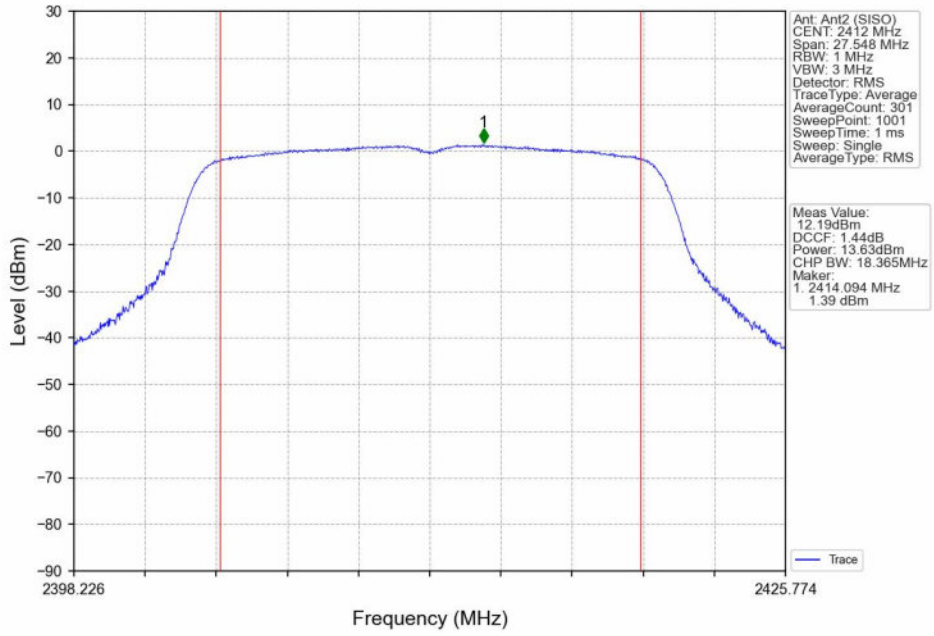
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



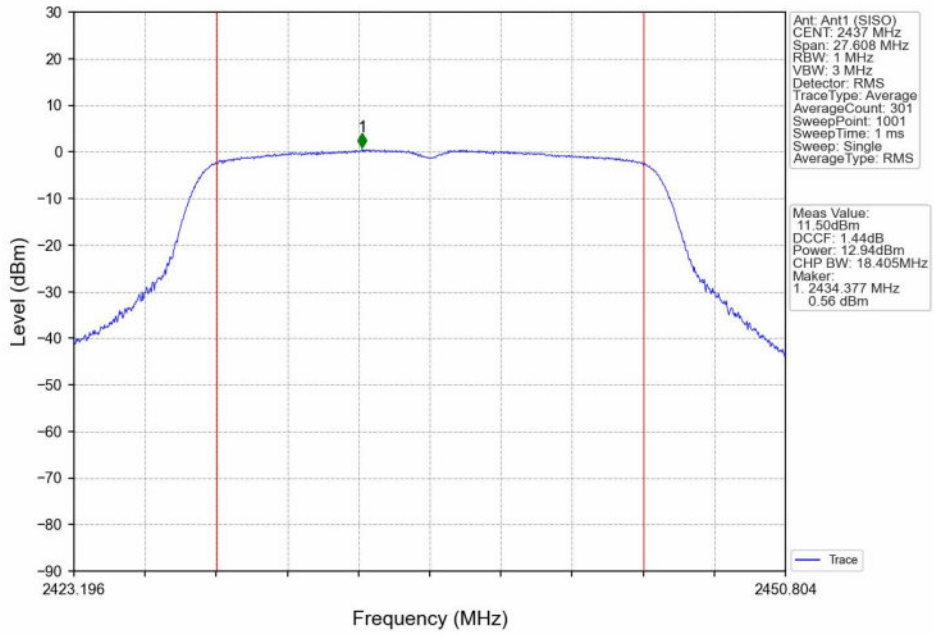
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



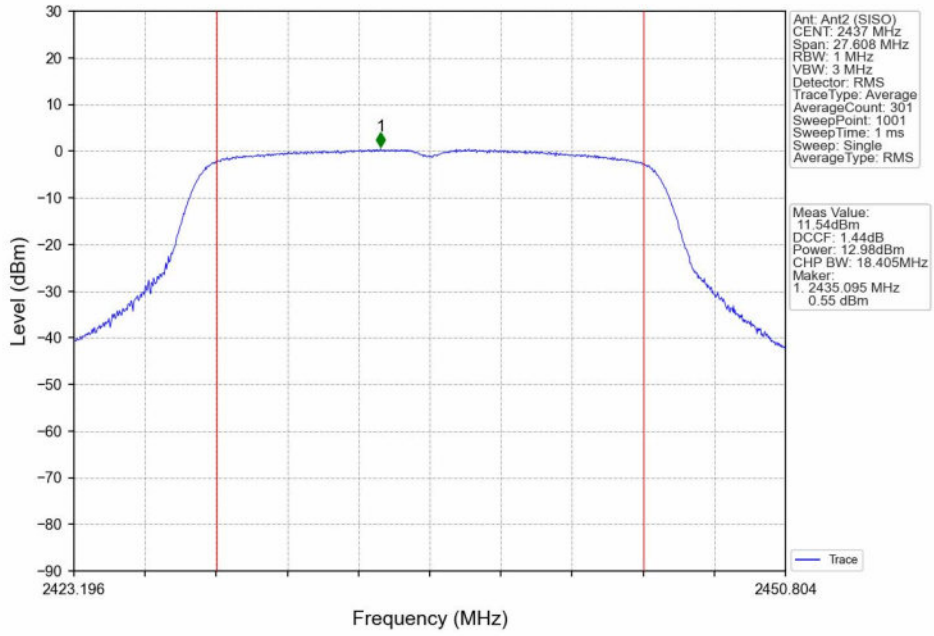
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



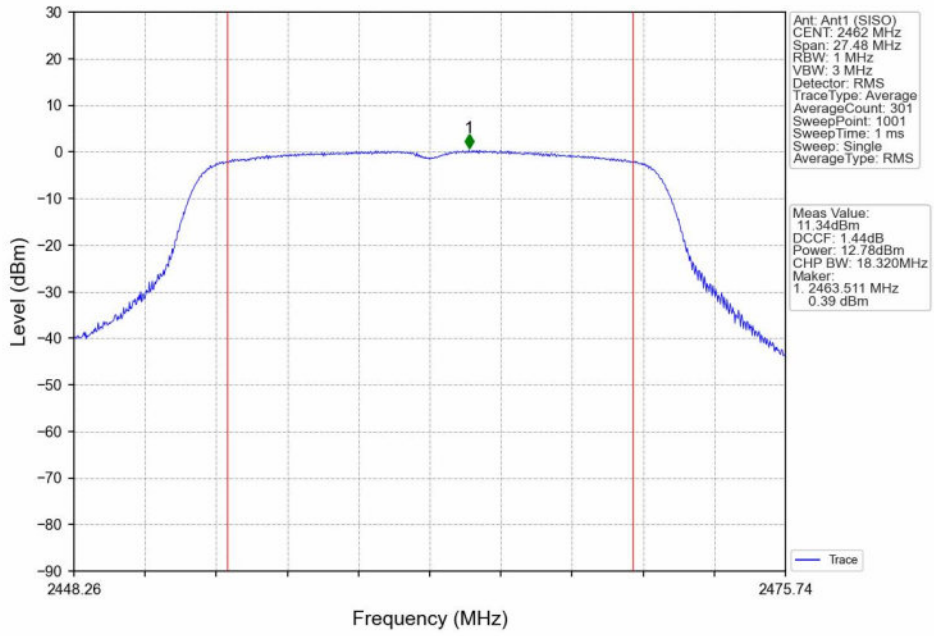
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



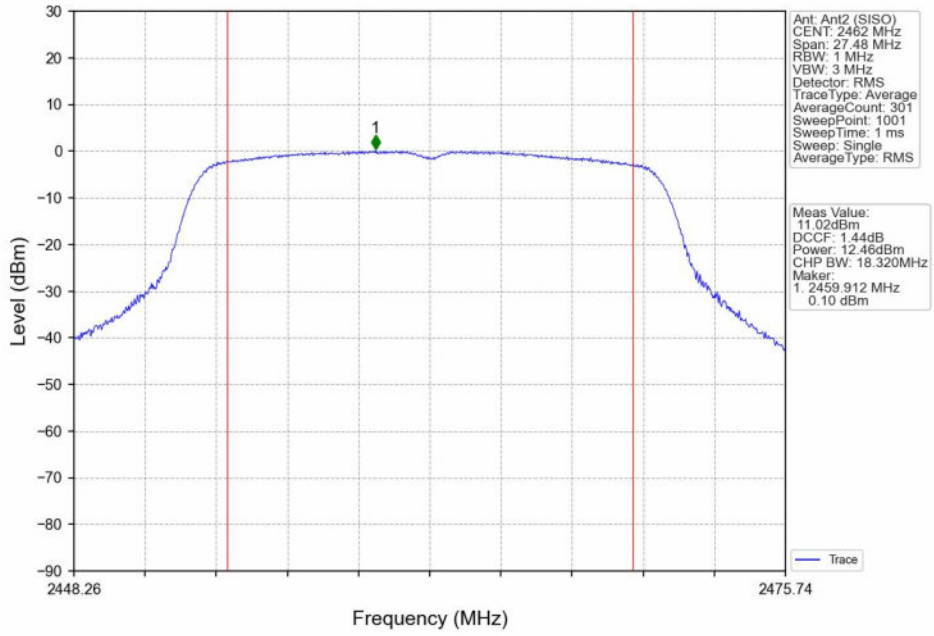
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



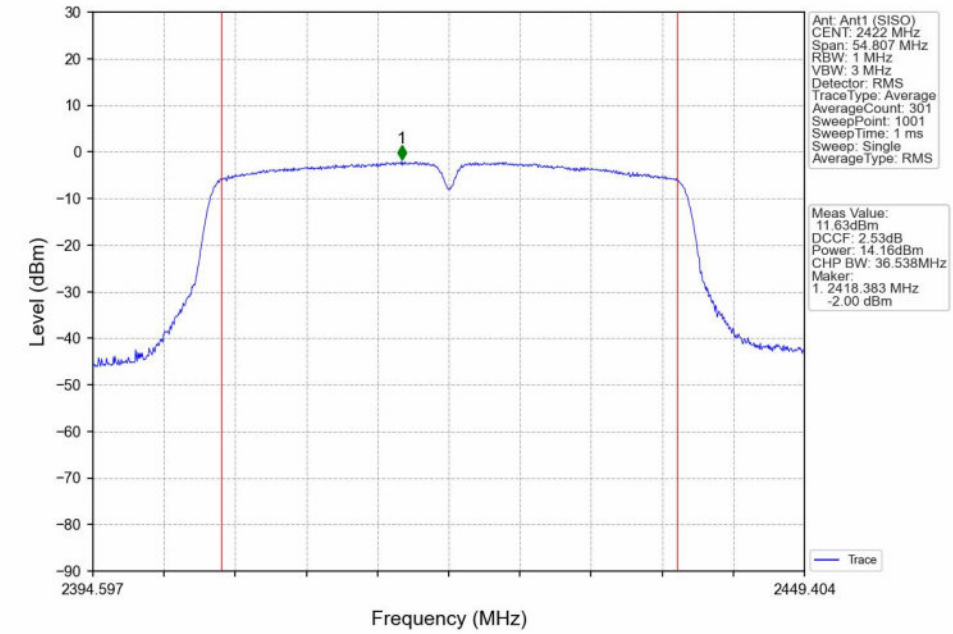
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



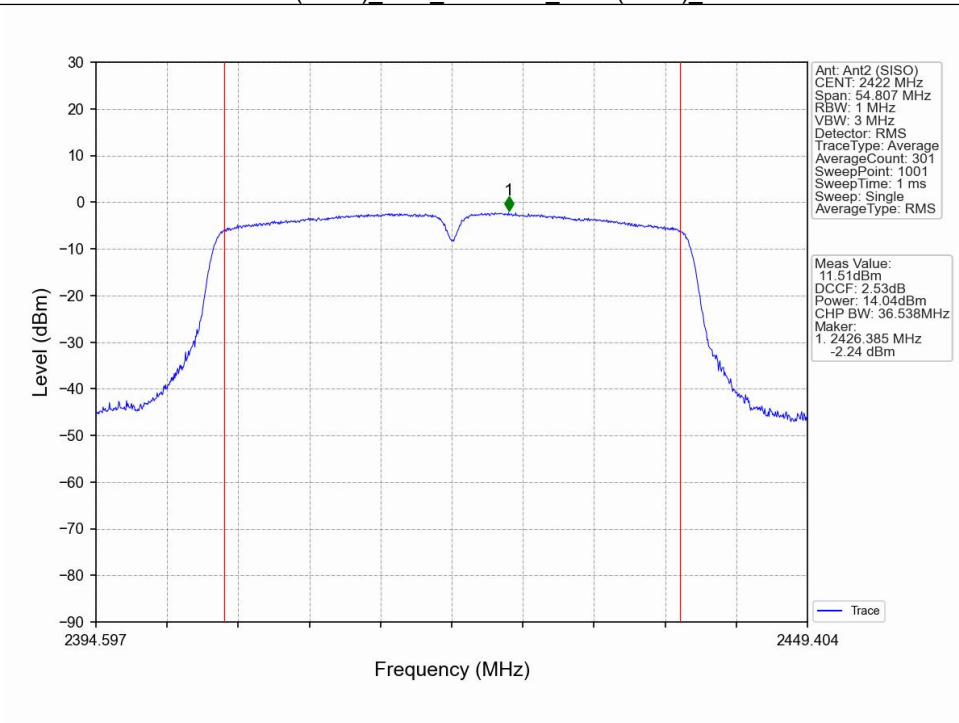
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



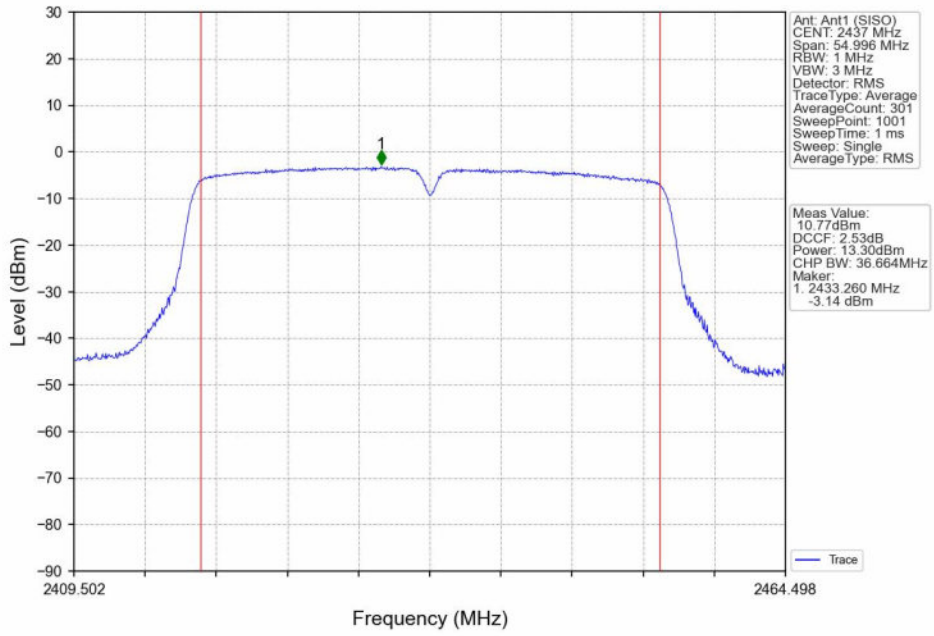
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



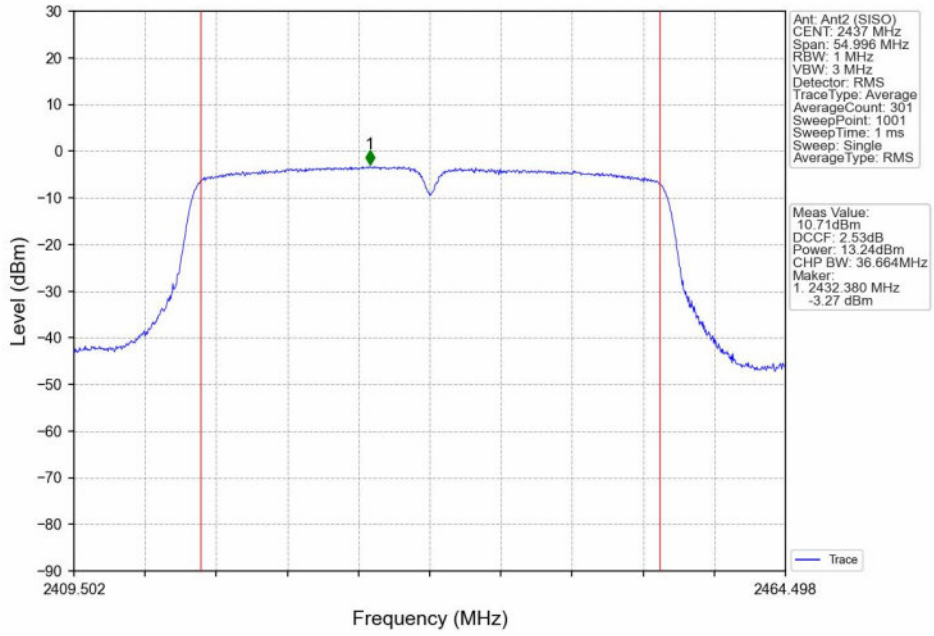
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



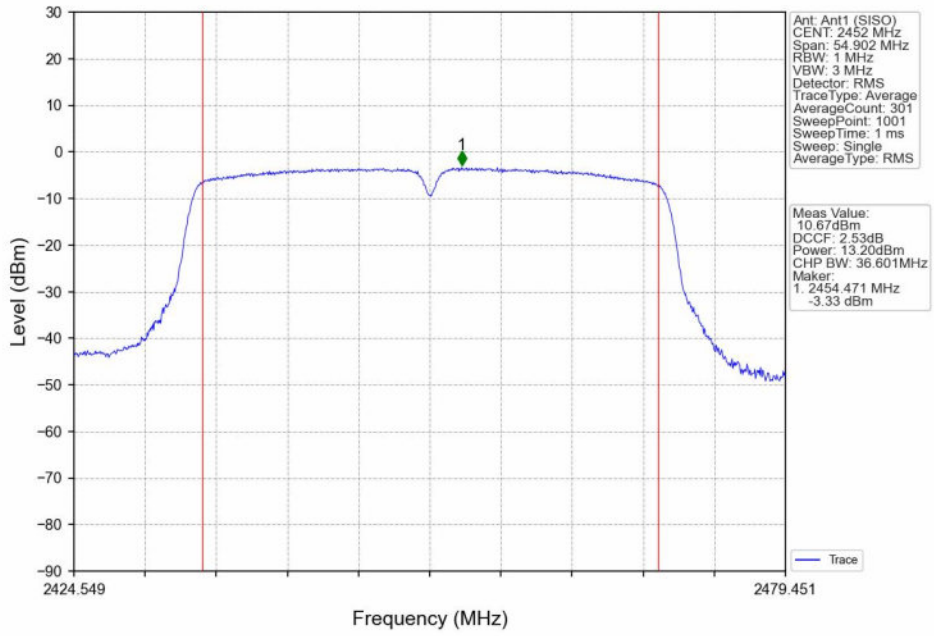
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



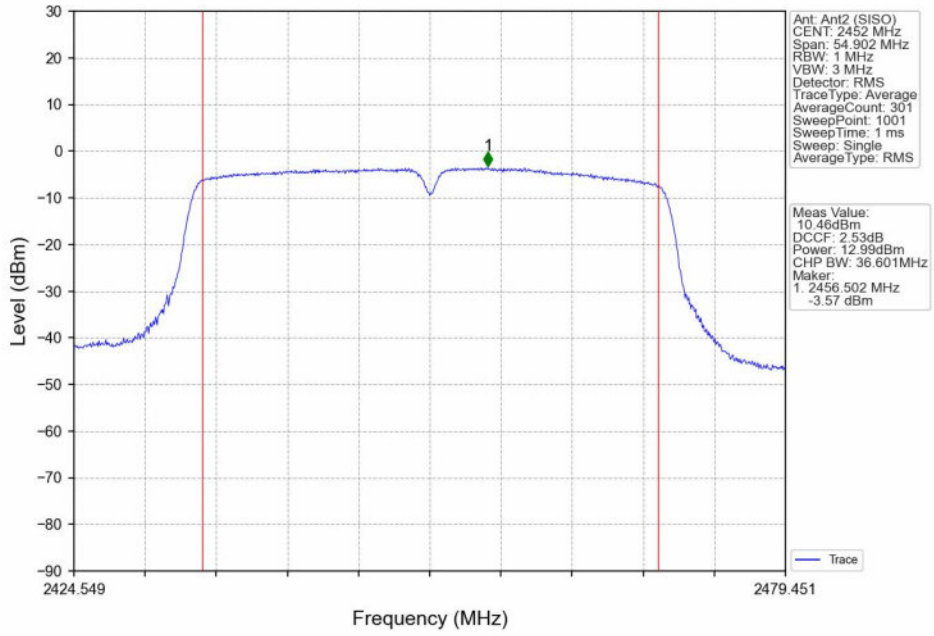
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



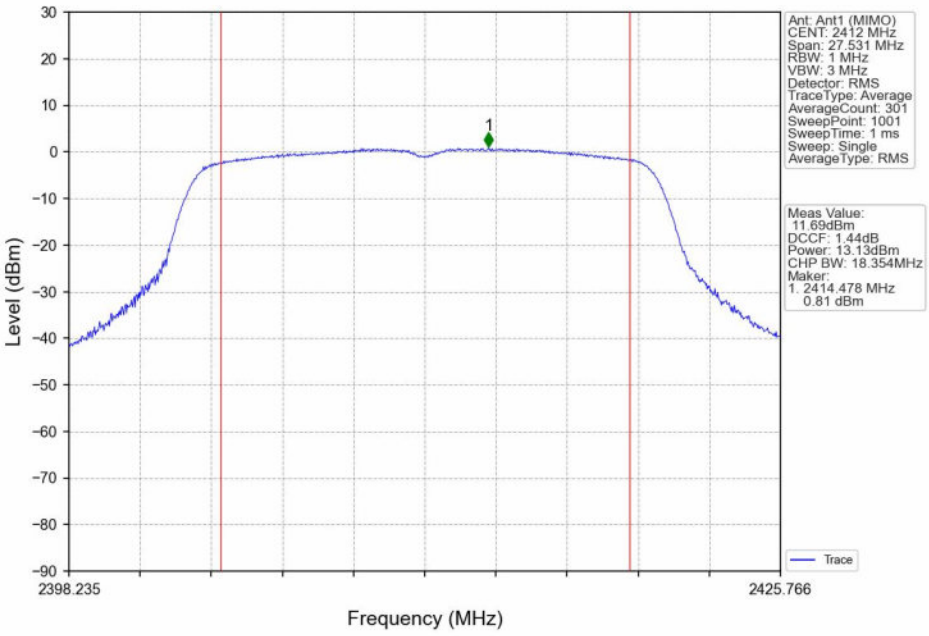
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



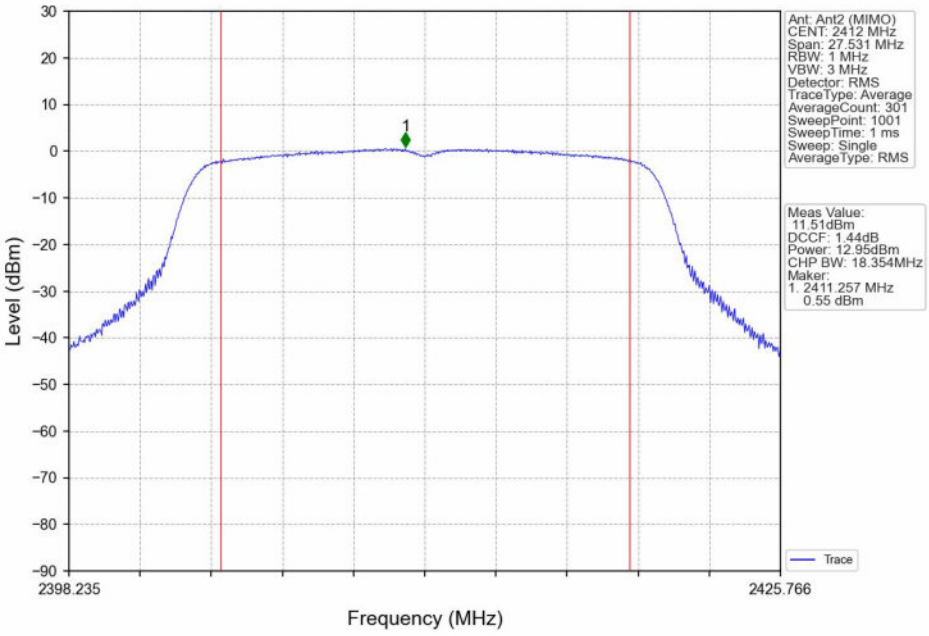
802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



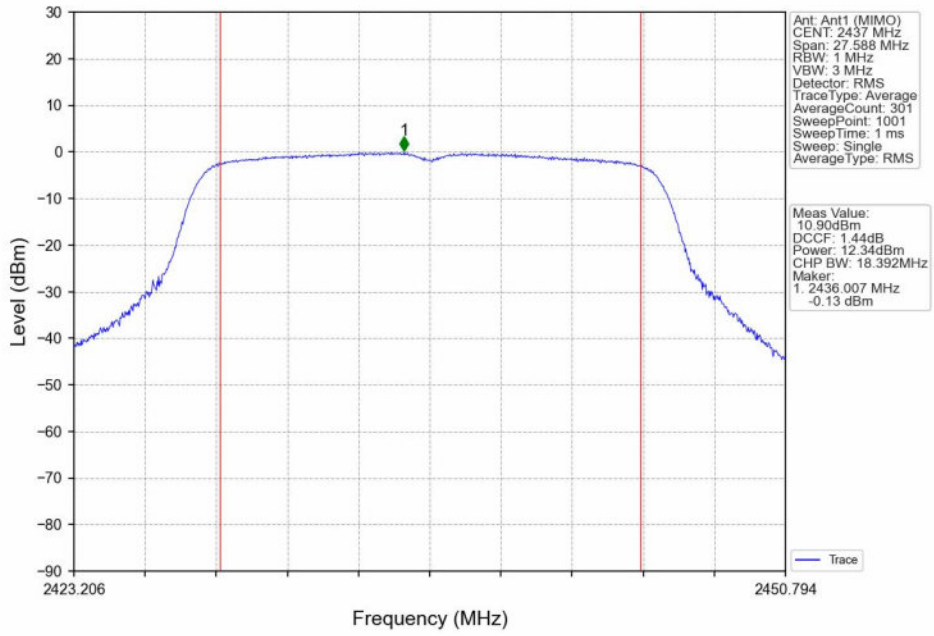
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



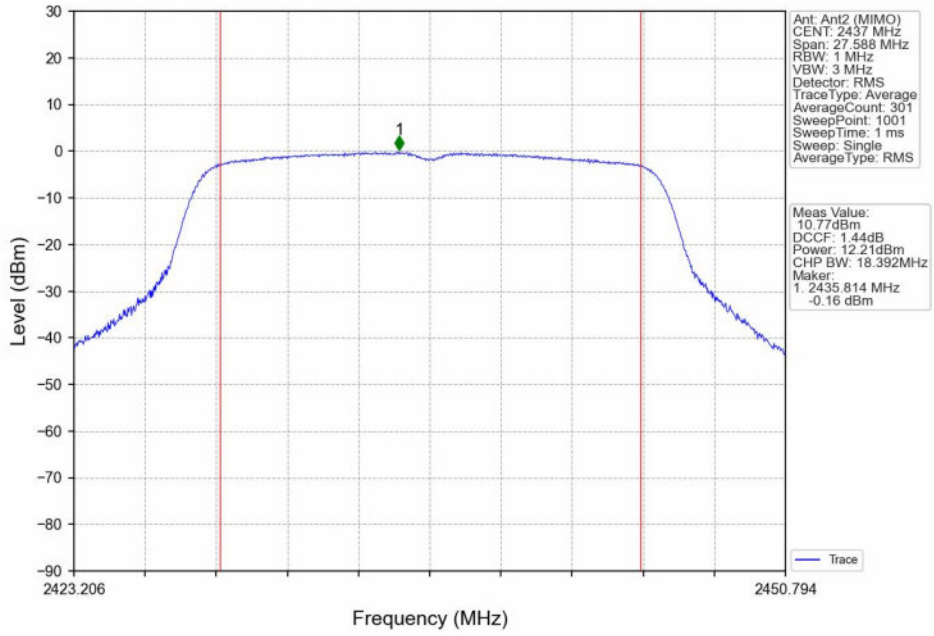
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



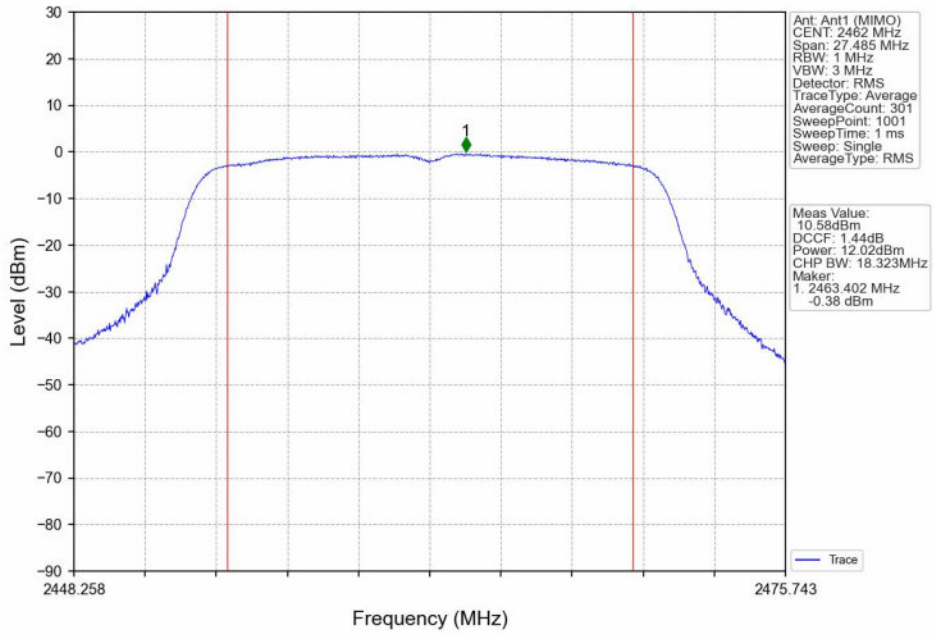
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



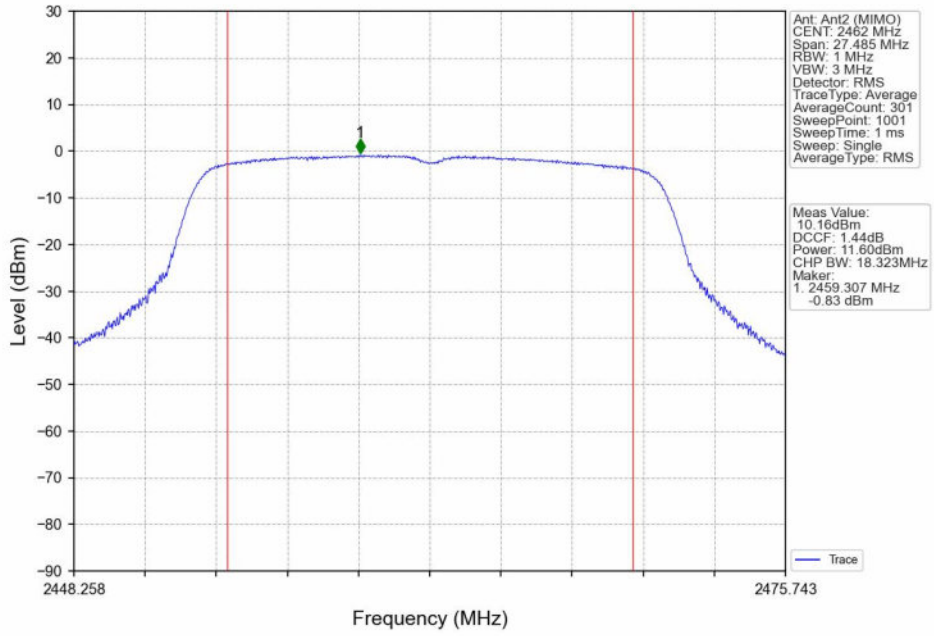
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



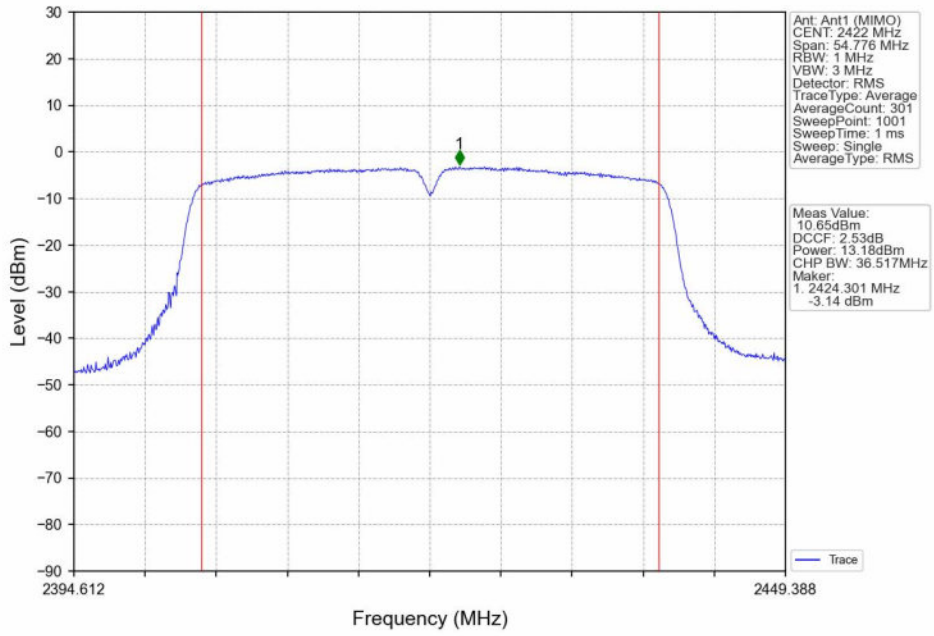
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



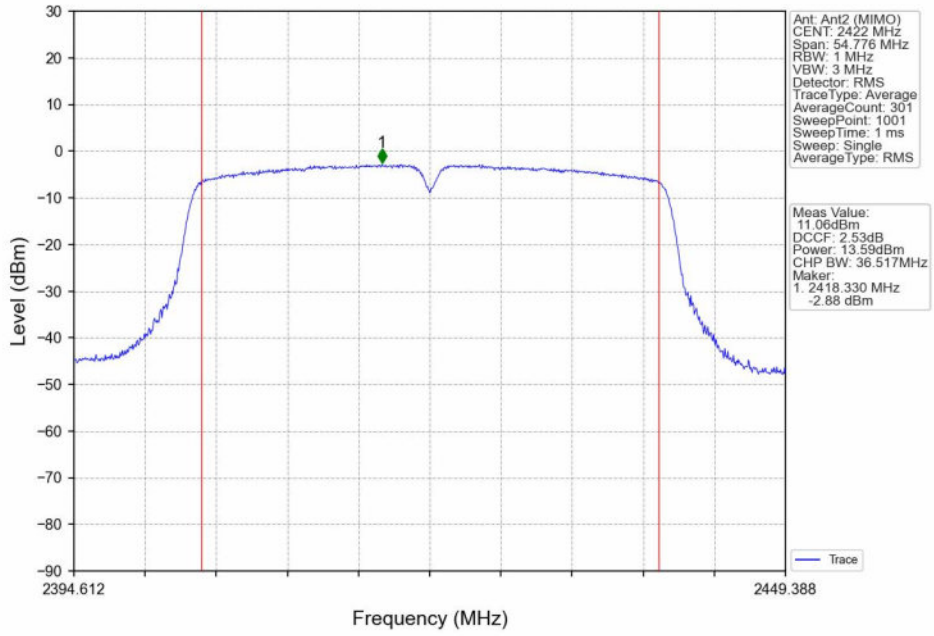
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



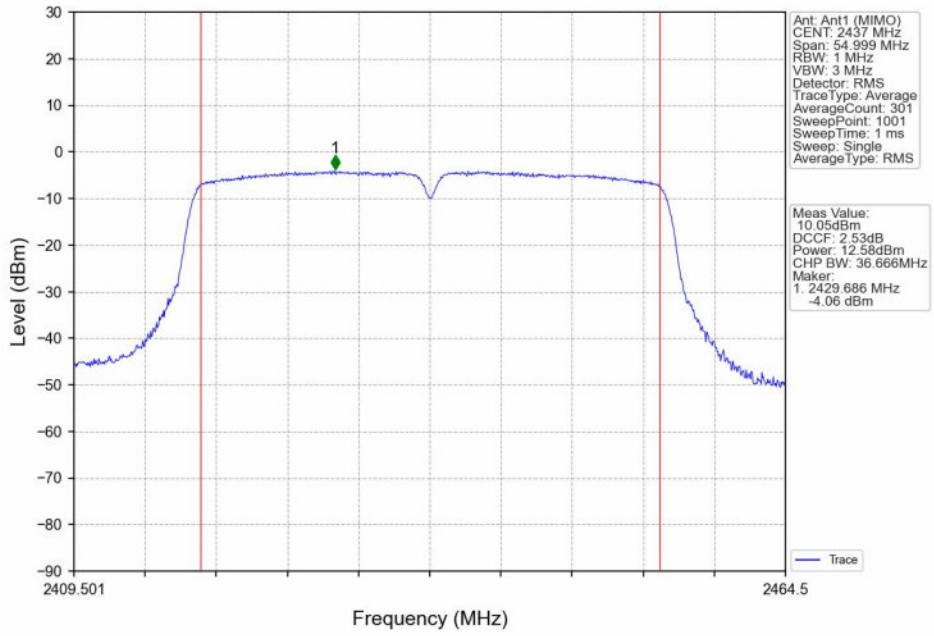
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



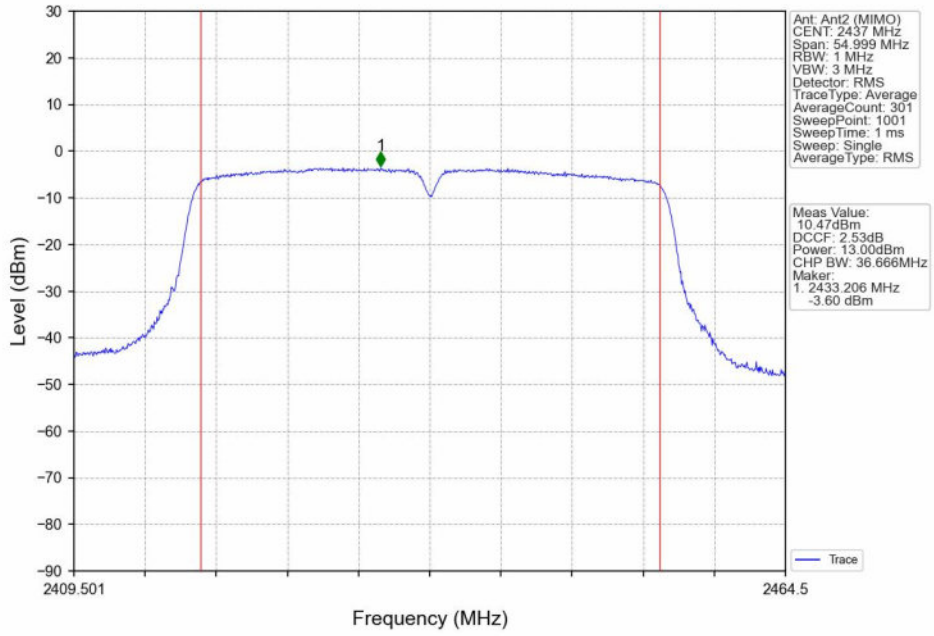
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



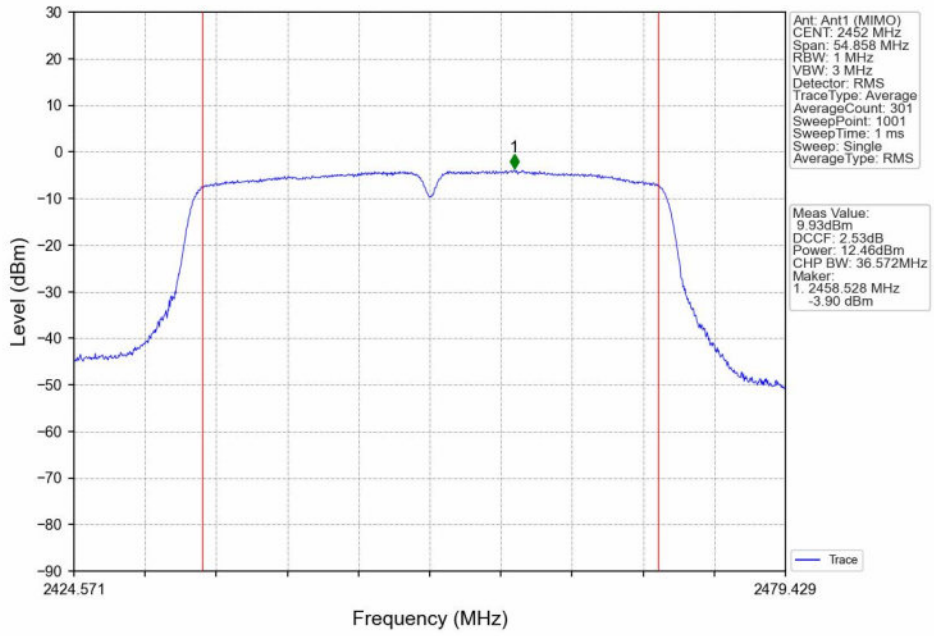
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



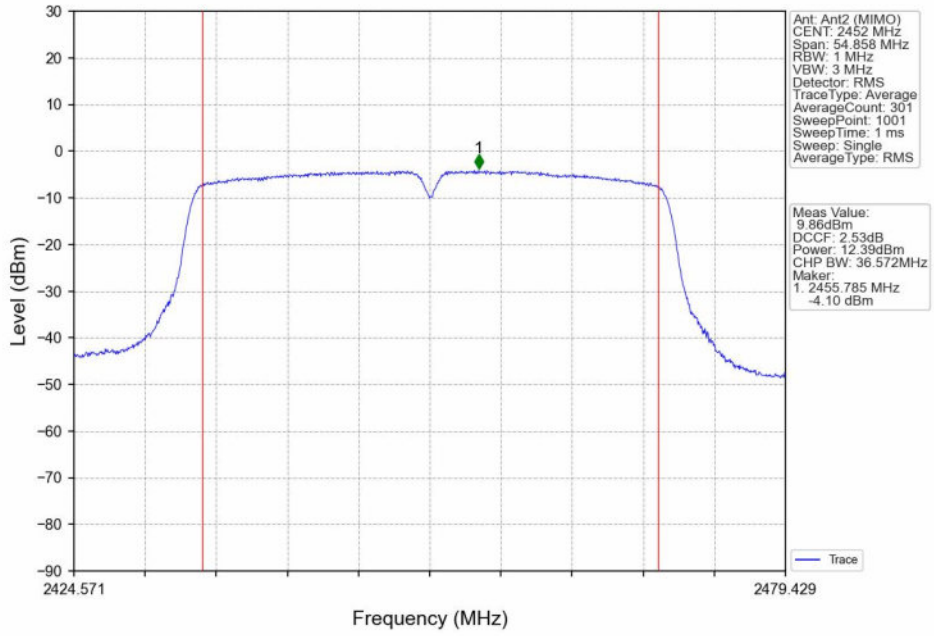
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



3. Maximum Power Spectral Density

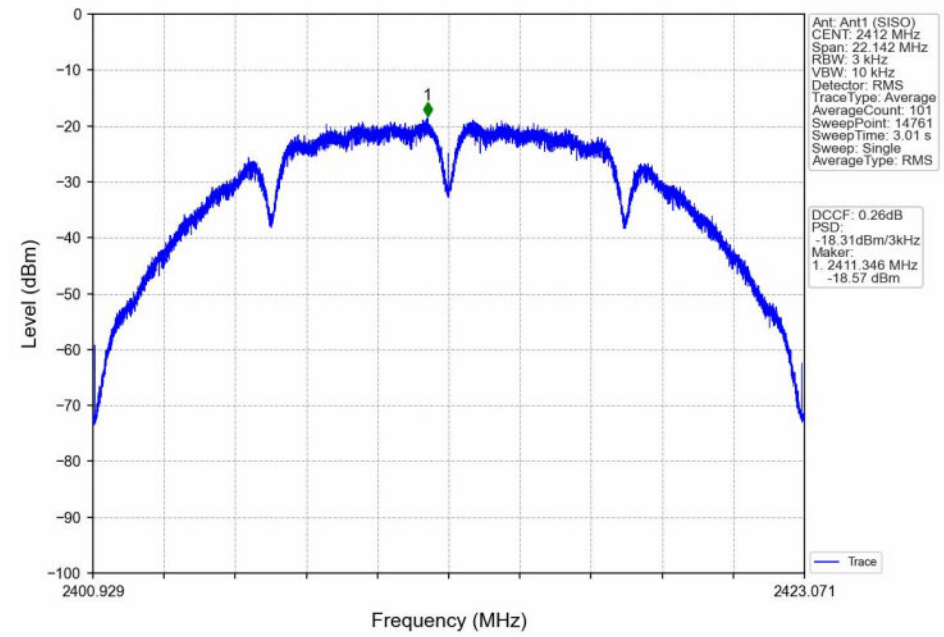
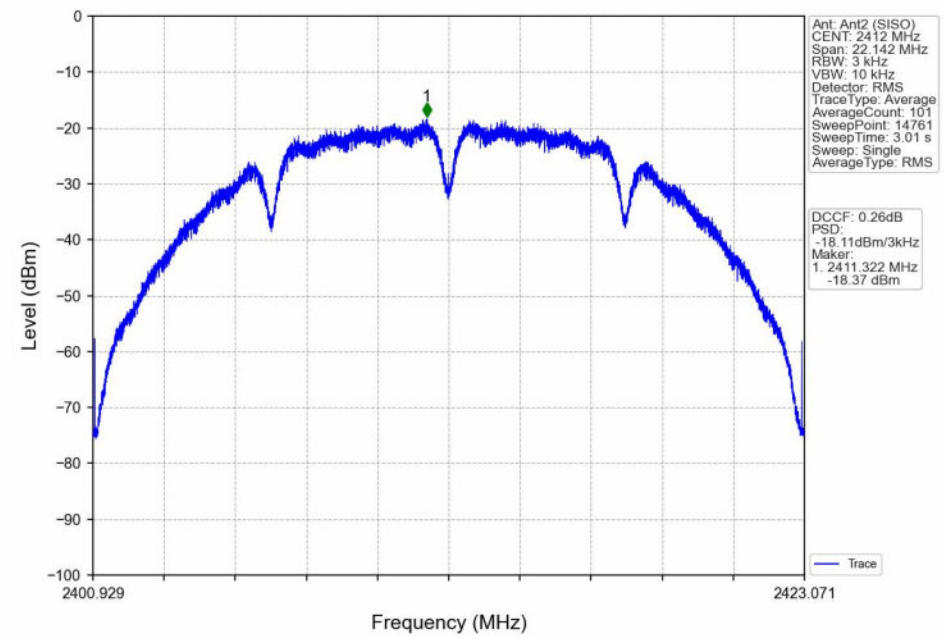
3.1 PSD

3.1.1 Test Result

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

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV