1. Bandwidth

1.1 OBW

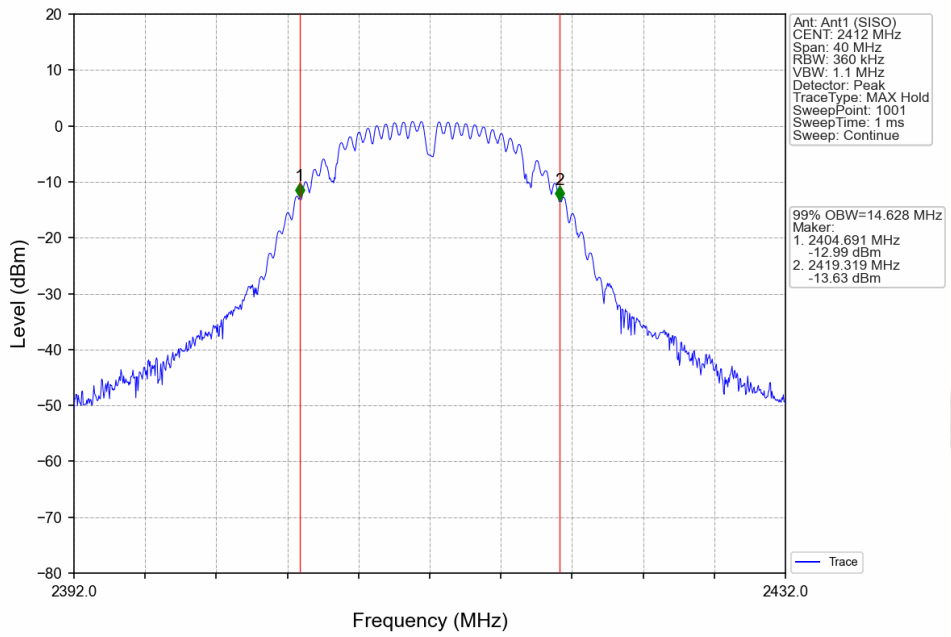
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.628	/	Pass
		2437	1	14.599	/	Pass
		2462	1	14.708	/	Pass
802.11g	SISO	2412	1	17.212	/	Pass
		2437	1	17.225	/	Pass
		2462	1	17.226	/	Pass
802.11n (HT20)	SISO	2412	1	18.556	/	Pass
		2437	1	18.456	/	Pass
		2462	1	18.518	/	Pass
802.11n (HT40)	SISO	2422	1	37.037	/	Pass
		2437	1	36.889	/	Pass
		2452	1	36.960	/	Pass
802.11n (HT20)	MIMO	2412	/	18.525	/	Pass
		2437	/	18.401	/	Pass
		2462	/	18.477	/	Pass
802.11n (HT40)	MIMO	2422	/	36.963	/	Pass
		2437	/	36.890	/	Pass
		2452	/	36.930	/	Pass

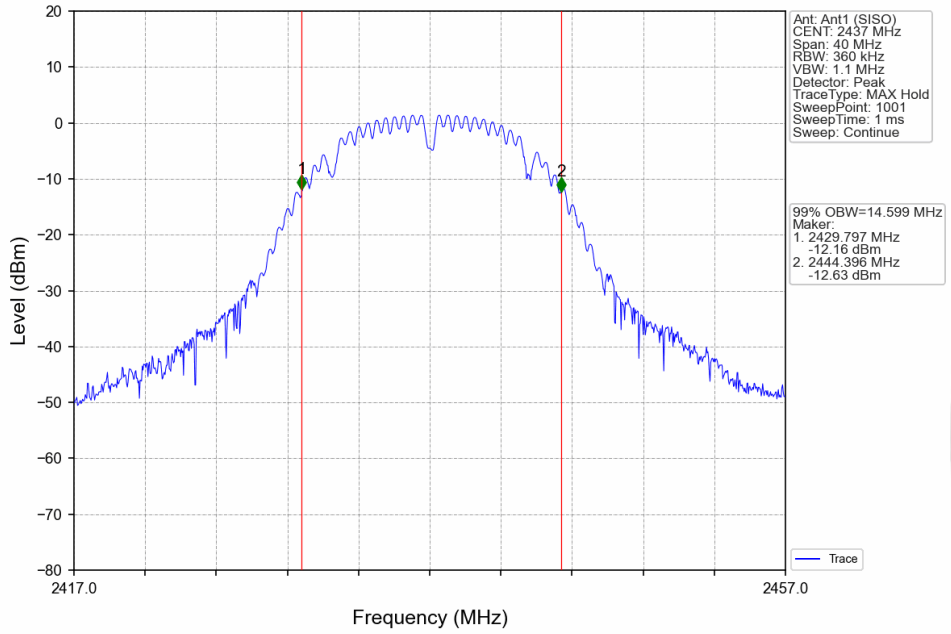
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	2	14.695	Pass
		2437	2	14.707	Pass
		2462	2	14.716	Pass
802.11g	SISO	2412	2	17.225	Pass
		2437	2	17.247	Pass
		2462	2	17.199	Pass
802.11n (HT20)	SISO	2412	2	18.522	Pass
		2437	2	18.543	Pass
		2462	2	18.439	Pass
802.11n (HT40)	SISO	2422	2	36.939	Pass
		2437	2	36.913	Pass
		2452	2	36.869	Pass

1.1.2 Test Graph

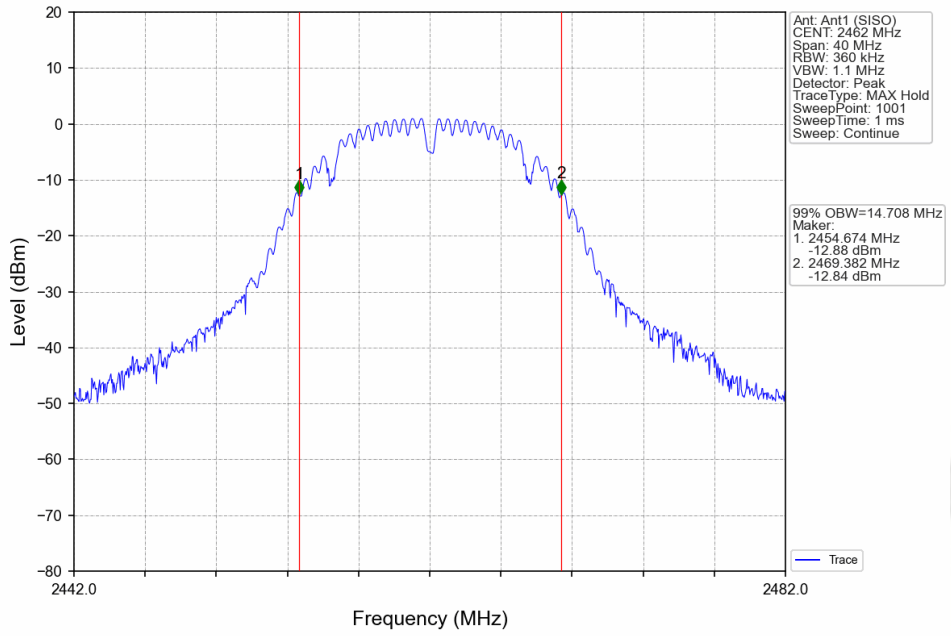
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



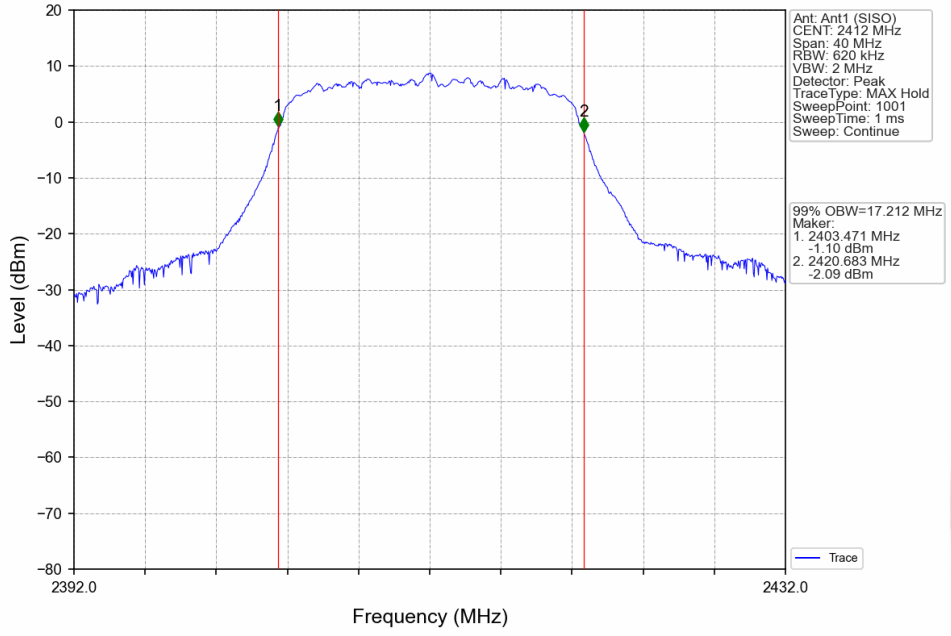
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



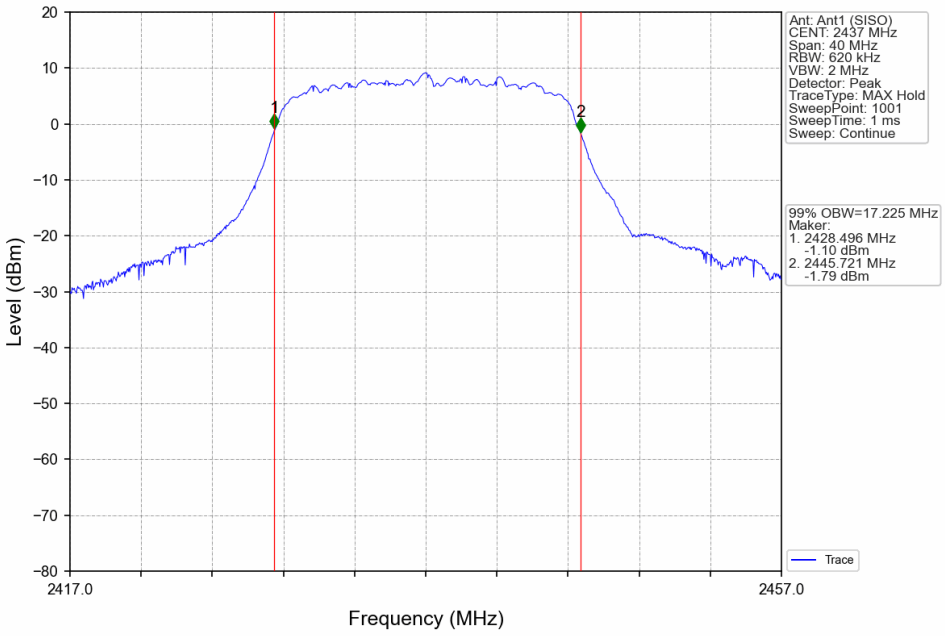
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



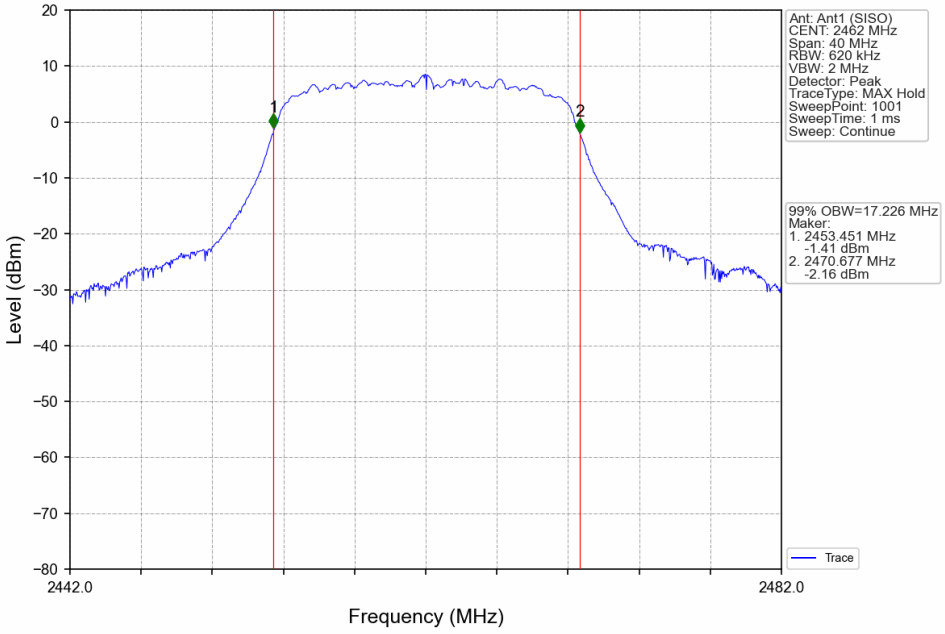
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



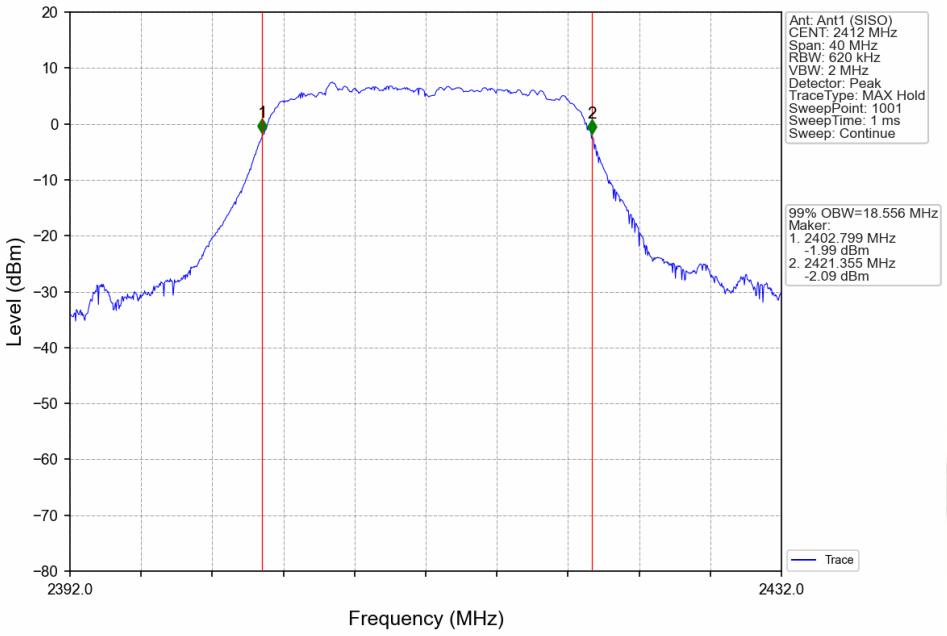
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



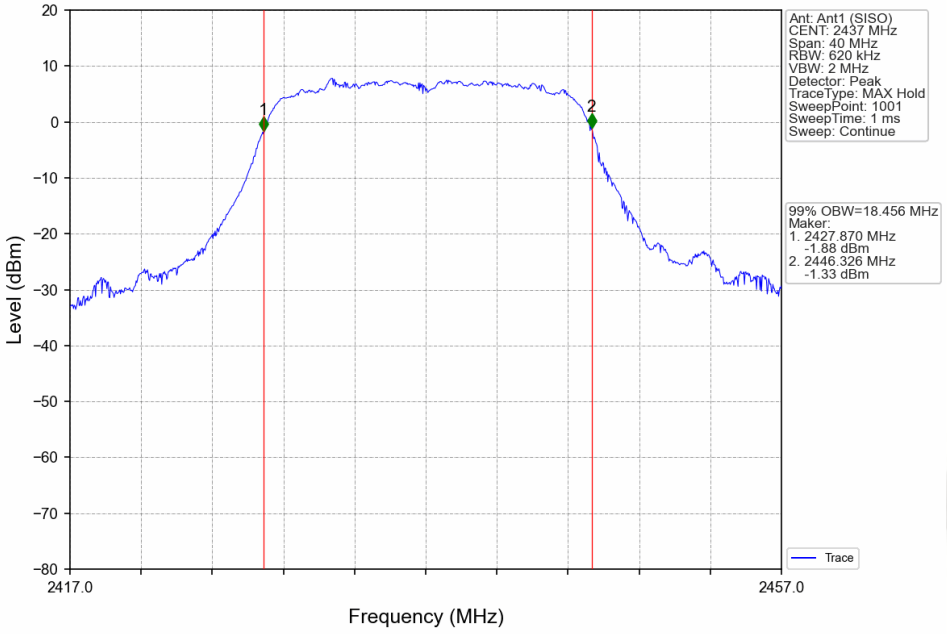
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



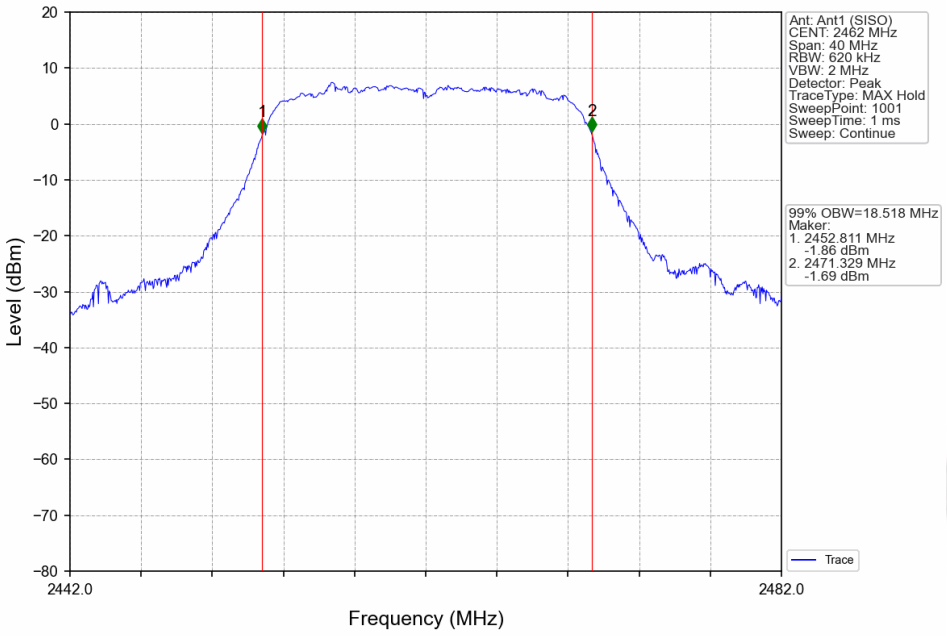
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



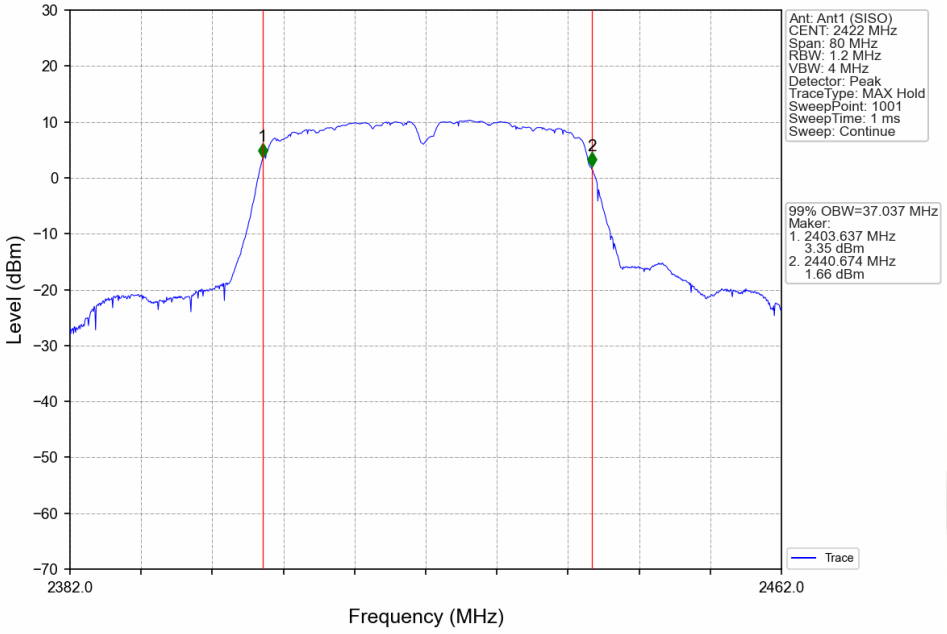
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



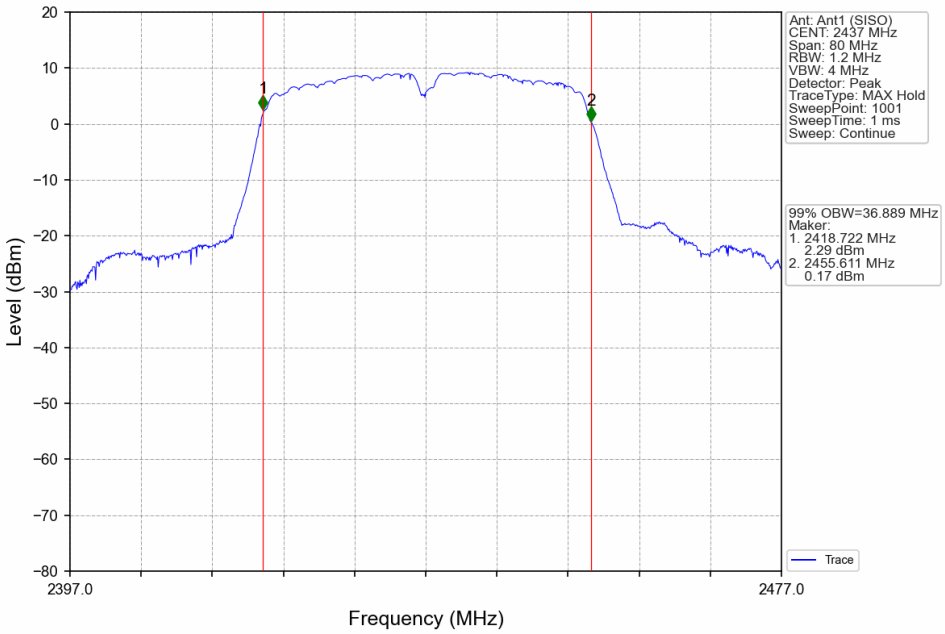
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



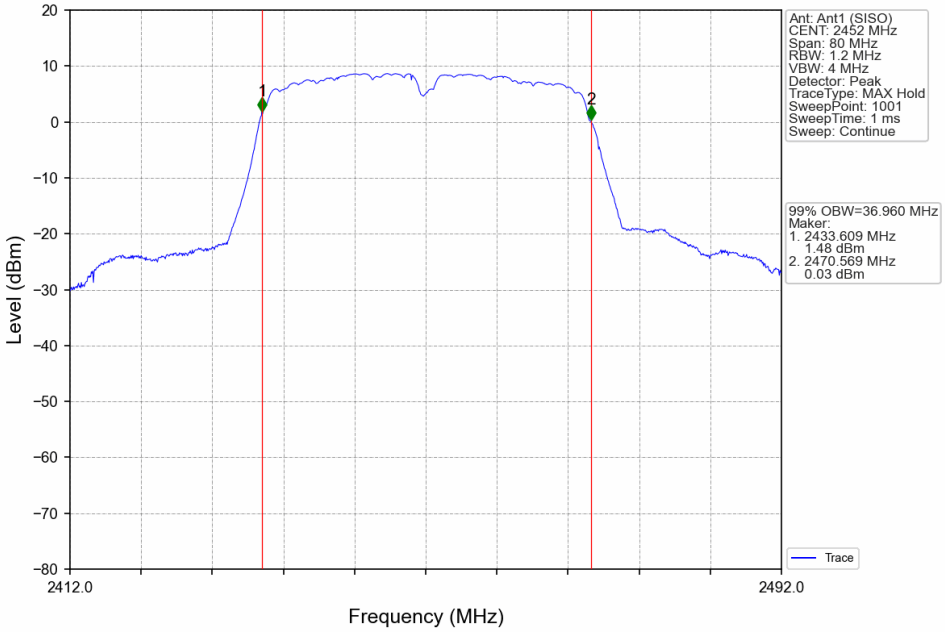
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



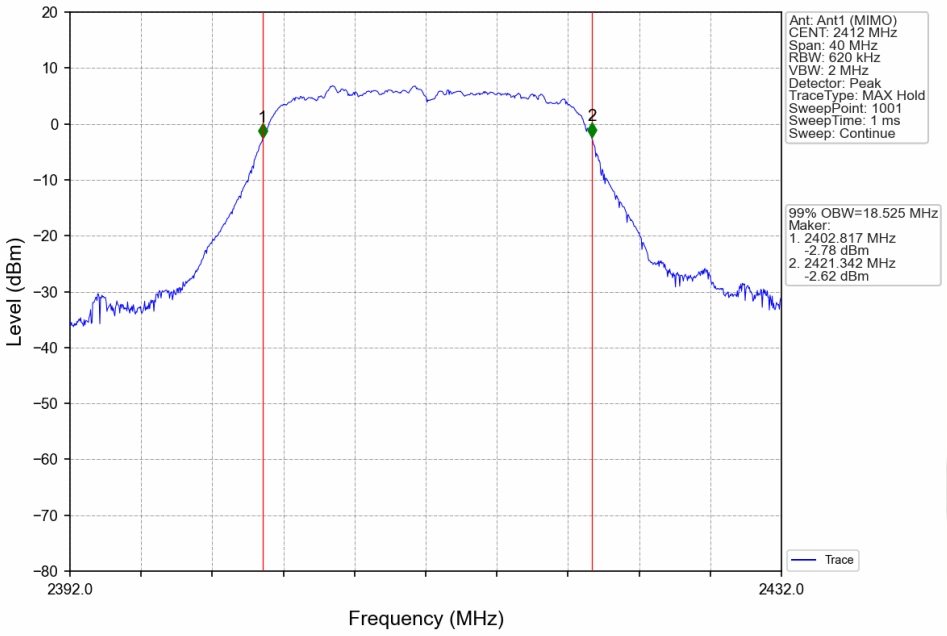
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



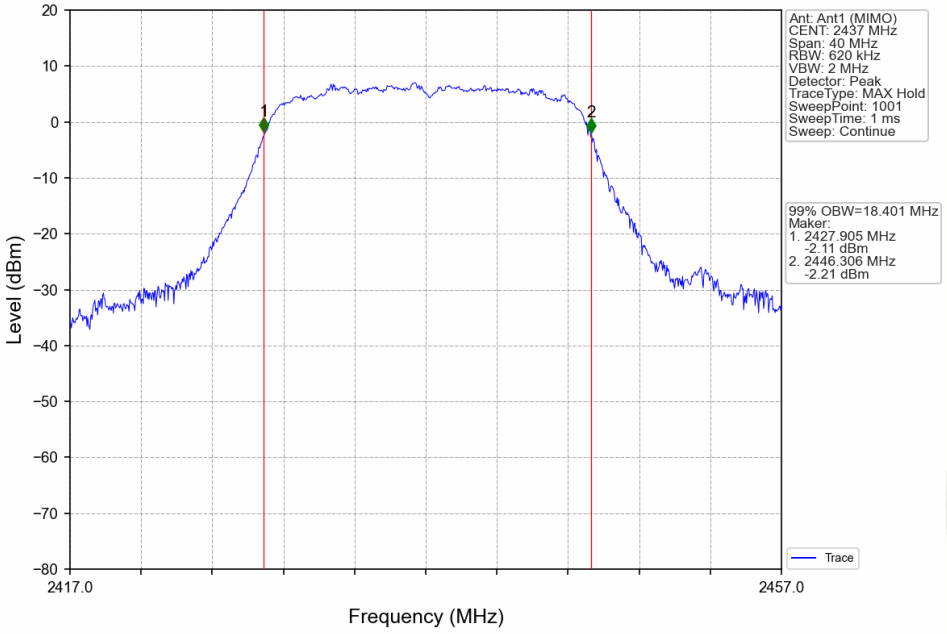
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



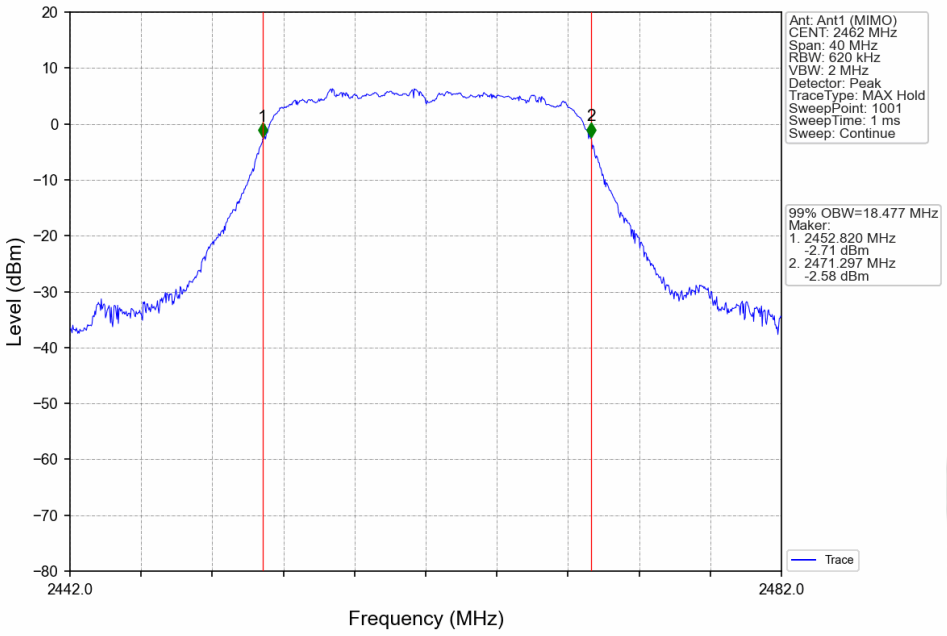
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



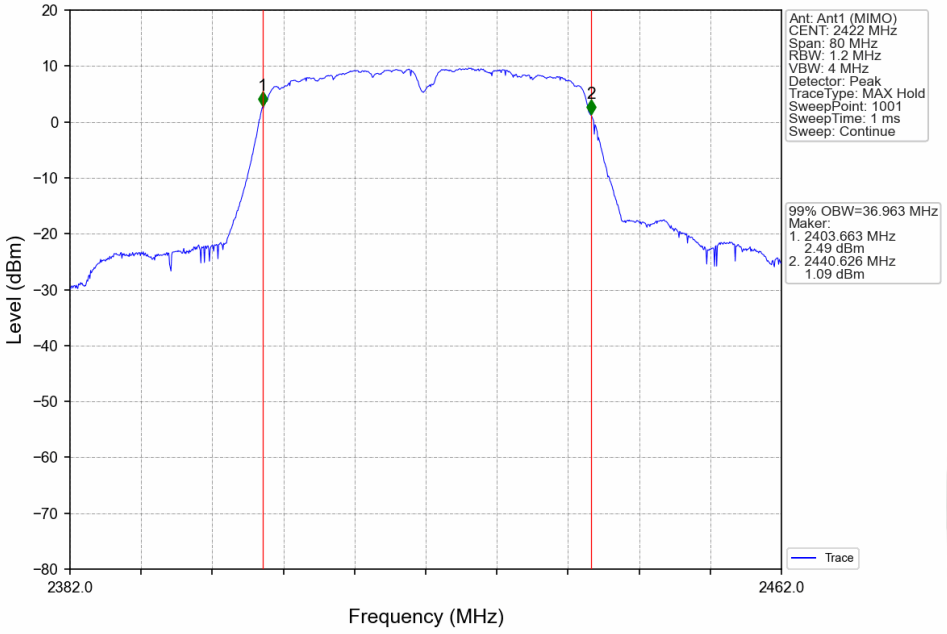
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



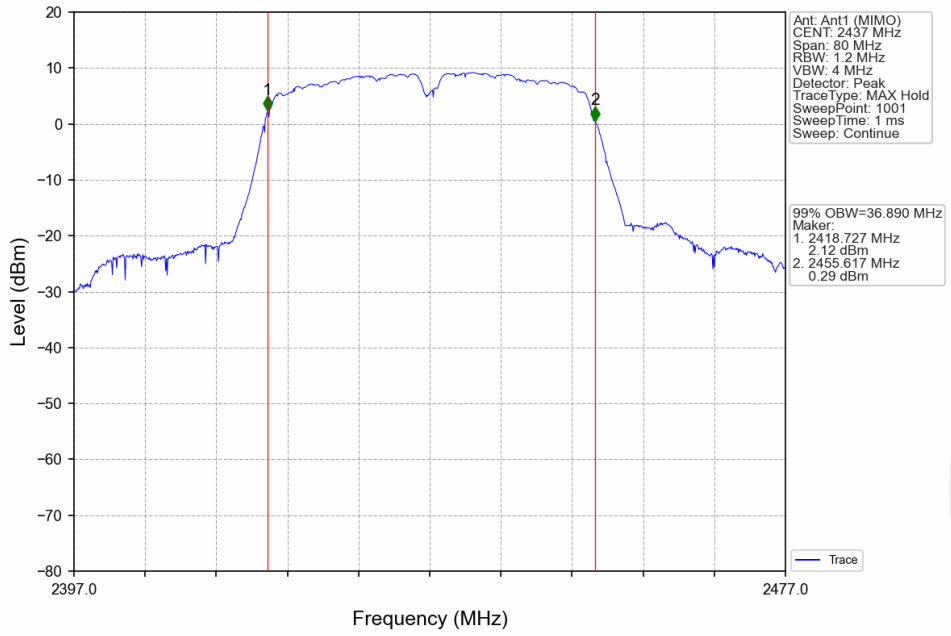
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



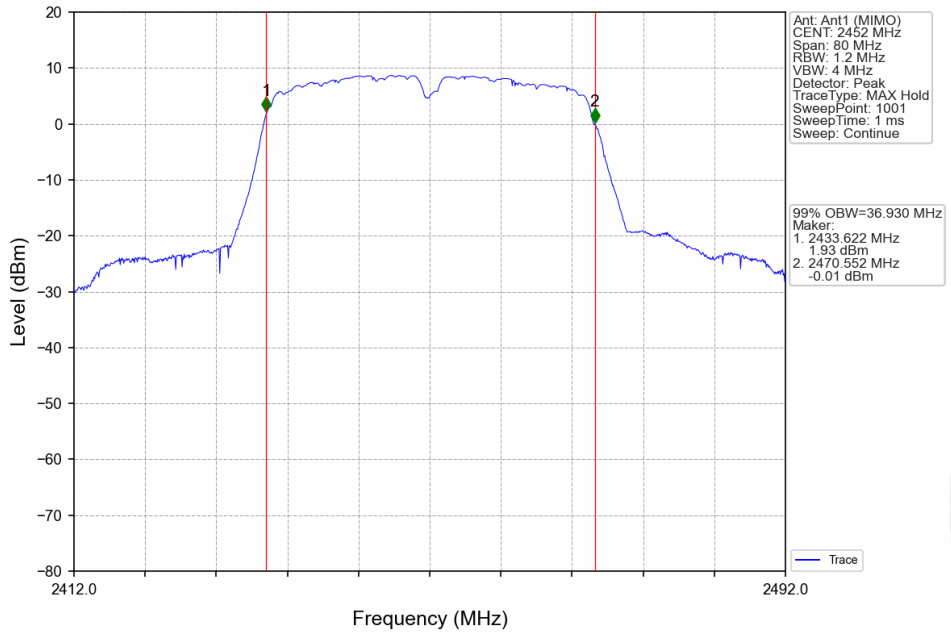
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



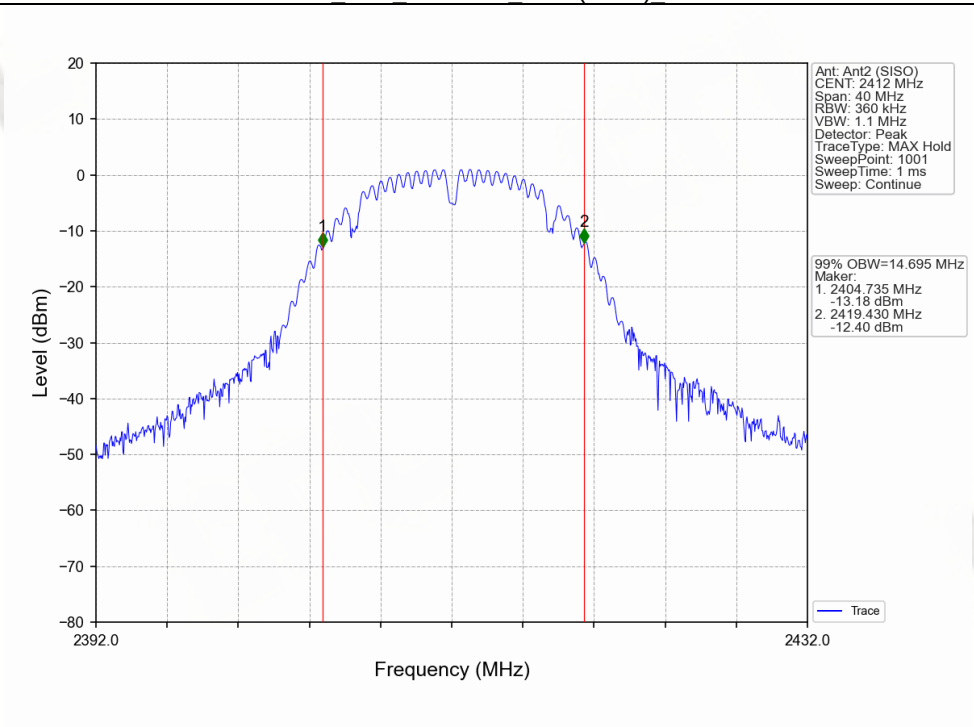
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



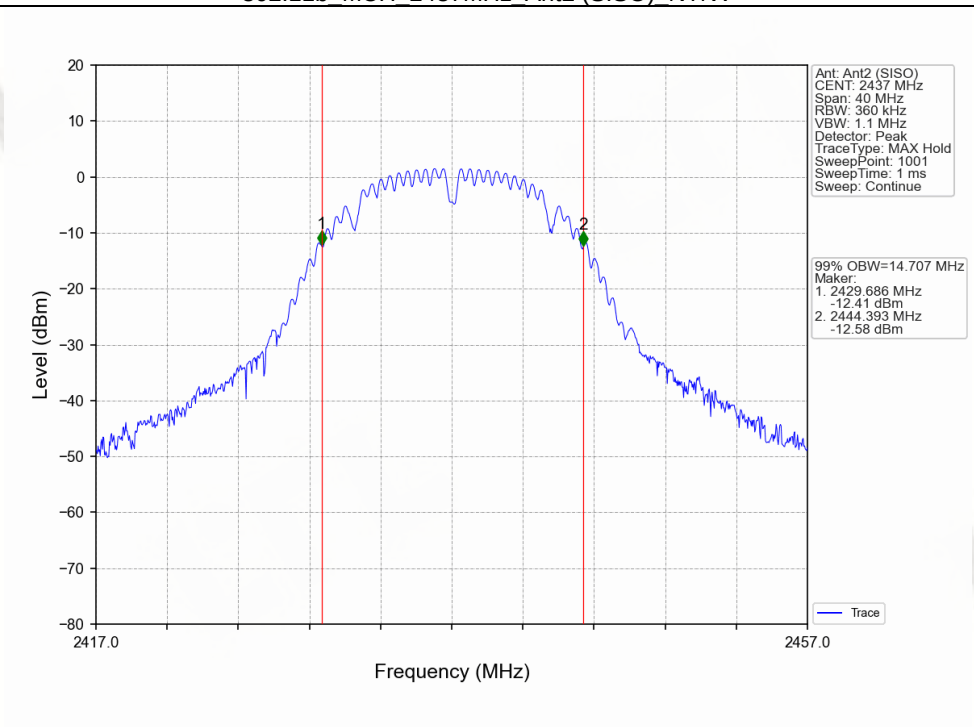
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



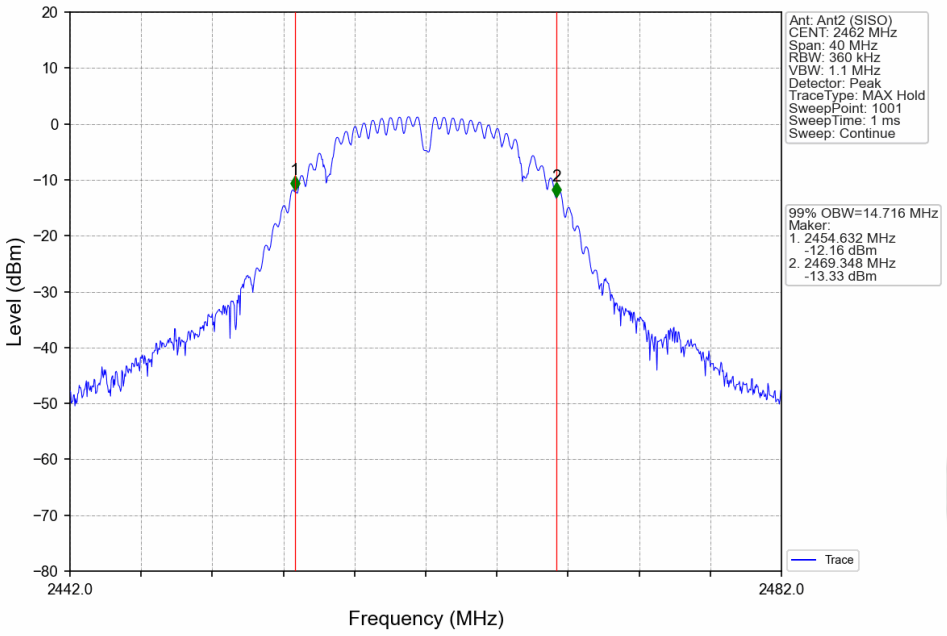
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



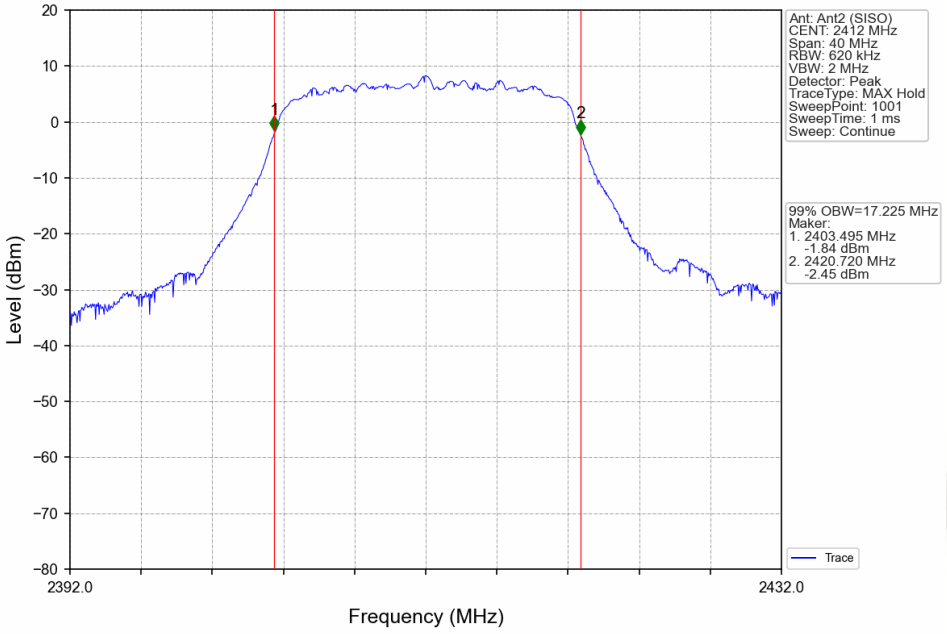
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



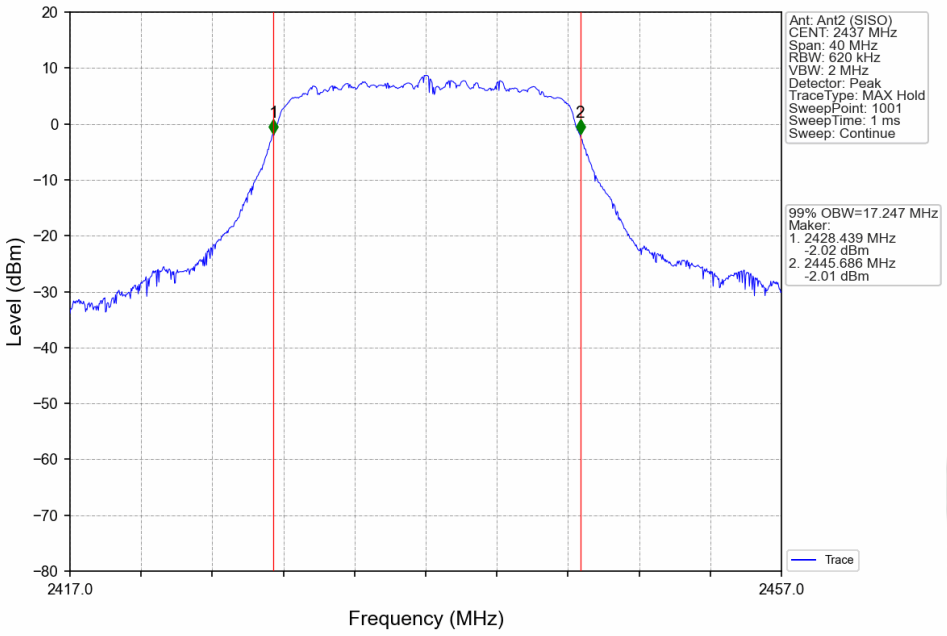
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



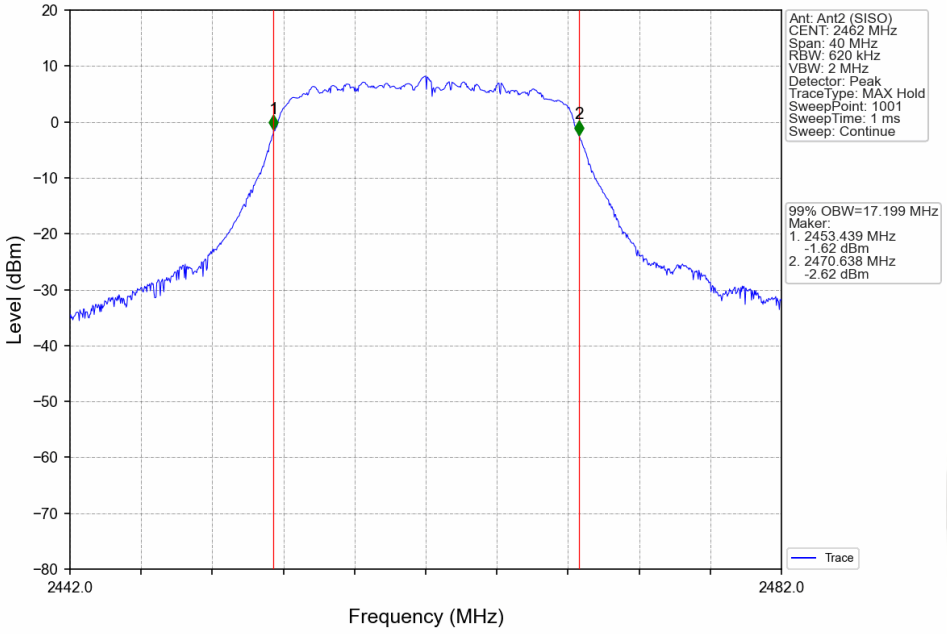
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



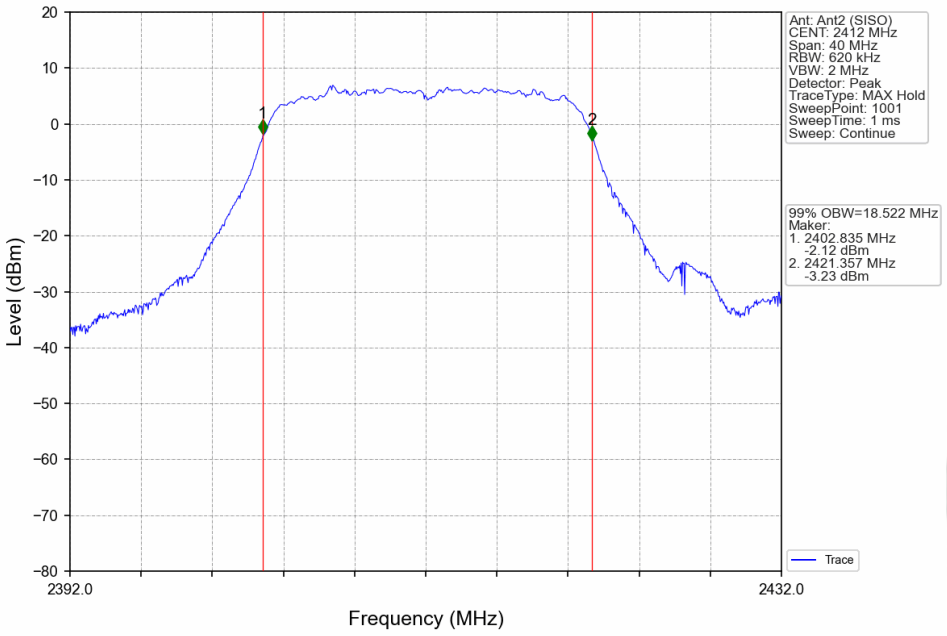
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



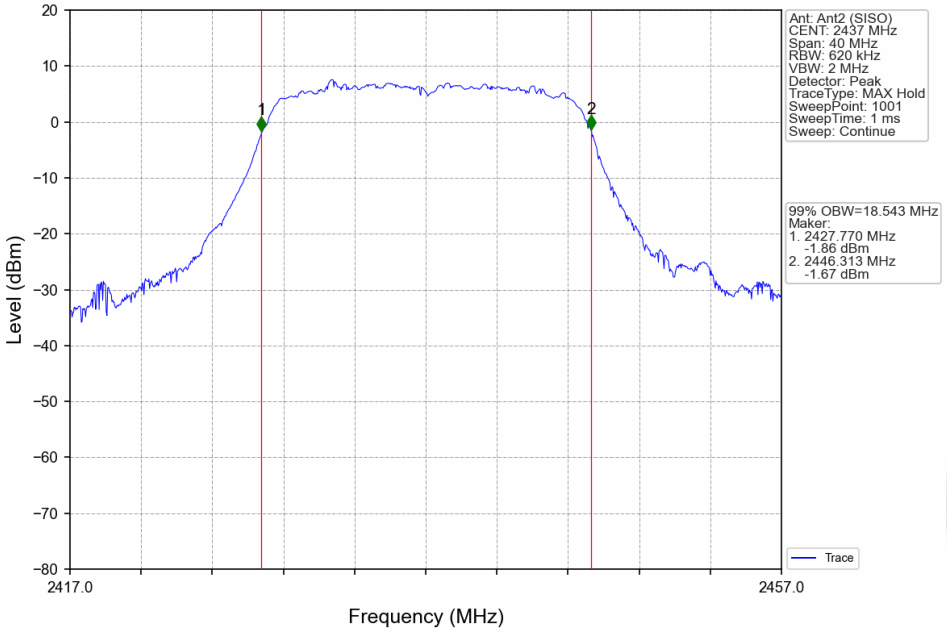
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



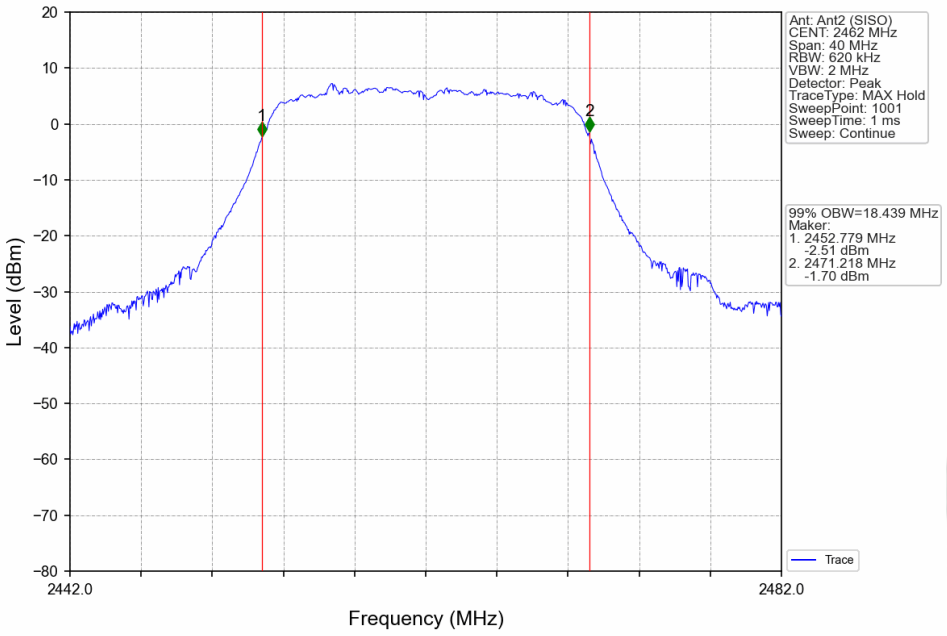
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



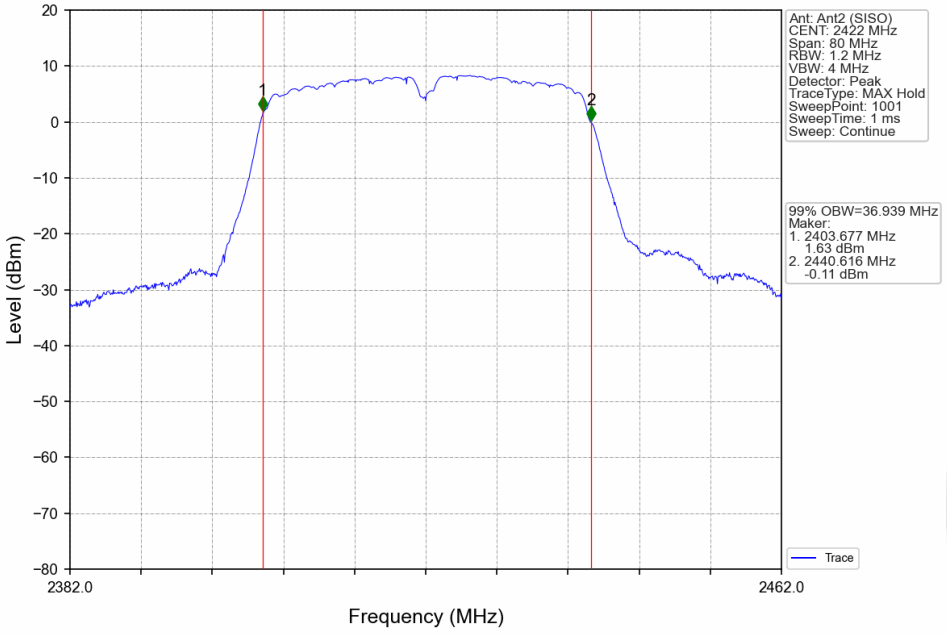
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



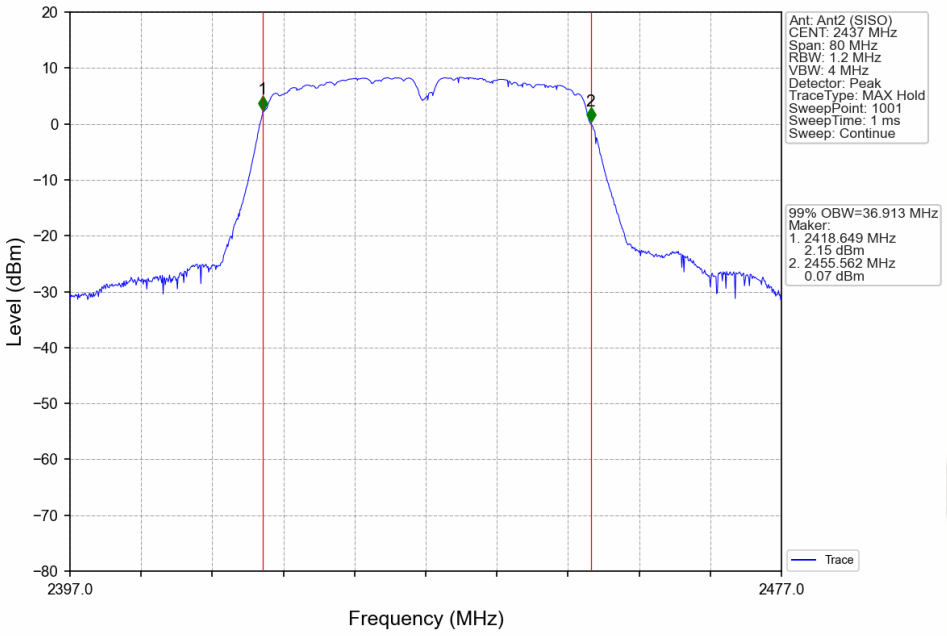
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



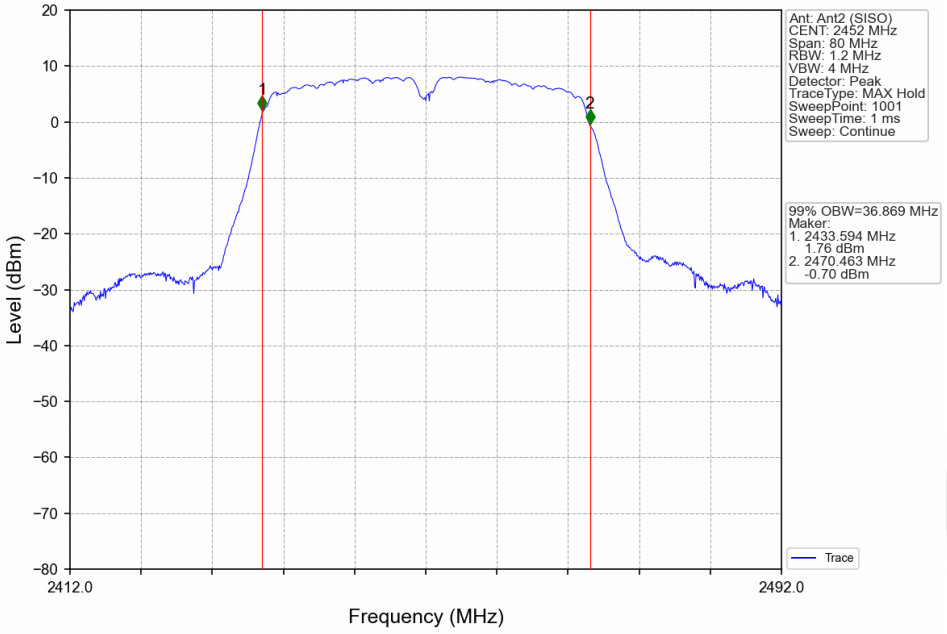
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



1.2 6dB BW

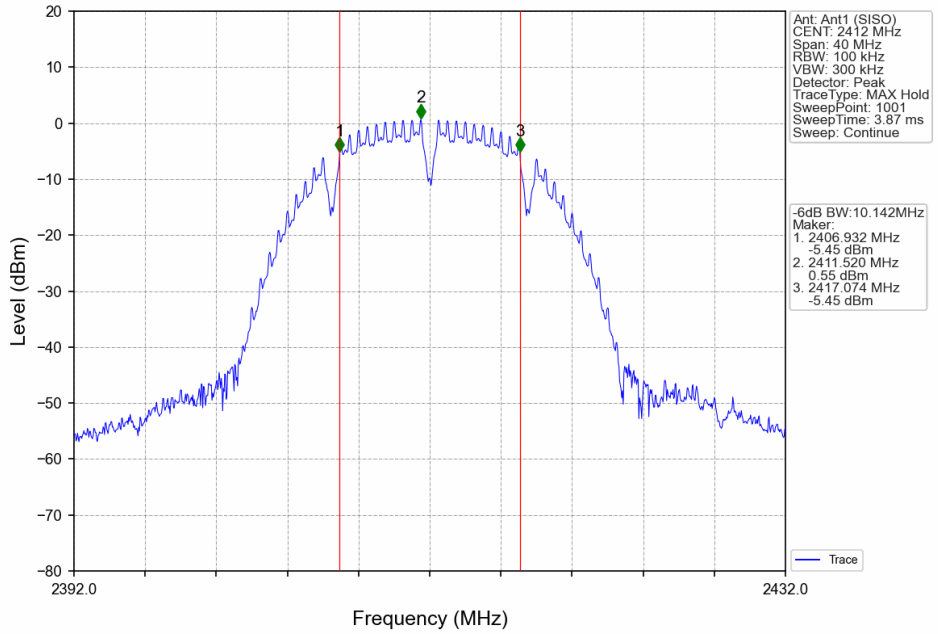
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.142	>=0.5	Pass
		2437	1	10.143	>=0.5	Pass
		2462	1	10.146	>=0.5	Pass
802.11g	SISO	2412	1	15.675	>=0.5	Pass
		2437	1	15.557	>=0.5	Pass
		2462	1	15.682	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	16.345	>=0.5	Pass
		2437	1	15.816	>=0.5	Pass
		2462	1	16.074	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.197	>=0.5	Pass
		2437	1	35.164	>=0.5	Pass
		2452	1	35.187	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	16.709	>=0.5	Pass
		2437	/	16.537	>=0.5	Pass
		2462	/	16.944	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	35.175	>=0.5	Pass
		2437	/	35.164	>=0.5	Pass
		2452	/	35.184	>=0.5	Pass

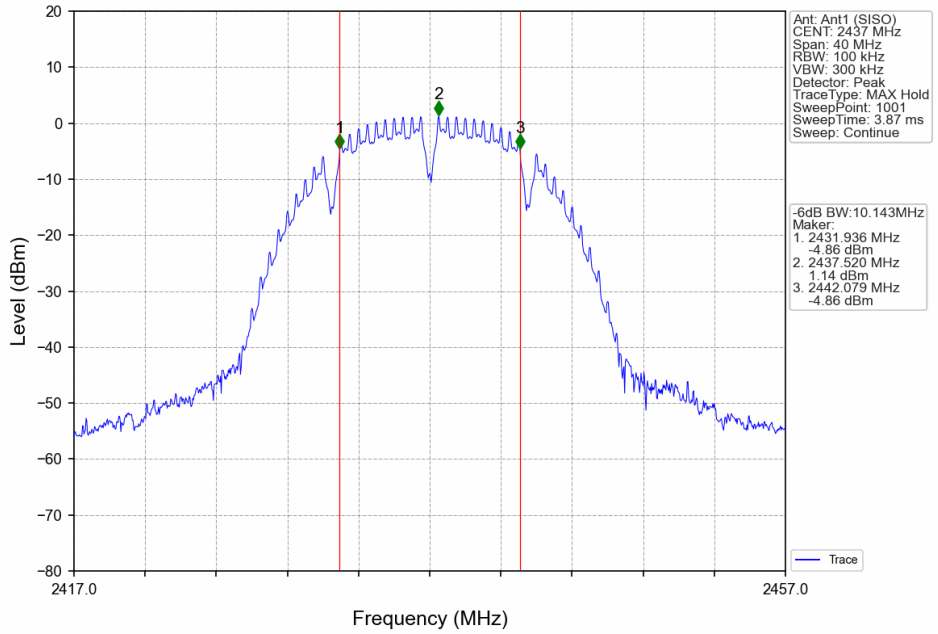
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	2	10.146	>=0.5	Pass
		2437	2	10.145	>=0.5	Pass
		2462	2	10.146	>=0.5	Pass
802.11g	SISO	2412	2	15.575	>=0.5	Pass
		2437	2	15.719	>=0.5	Pass
		2462	2	15.709	>=0.5	Pass
802.11n (HT20)	SISO	2412	2	16.526	>=0.5	Pass
		2437	2	16.982	>=0.5	Pass
		2462	2	16.716	>=0.5	Pass
802.11n (HT40)	SISO	2422	2	35.180	>=0.5	Pass
		2437	2	35.186	>=0.5	Pass
		2452	2	35.175	>=0.5	Pass

1.2.2 Test Graph

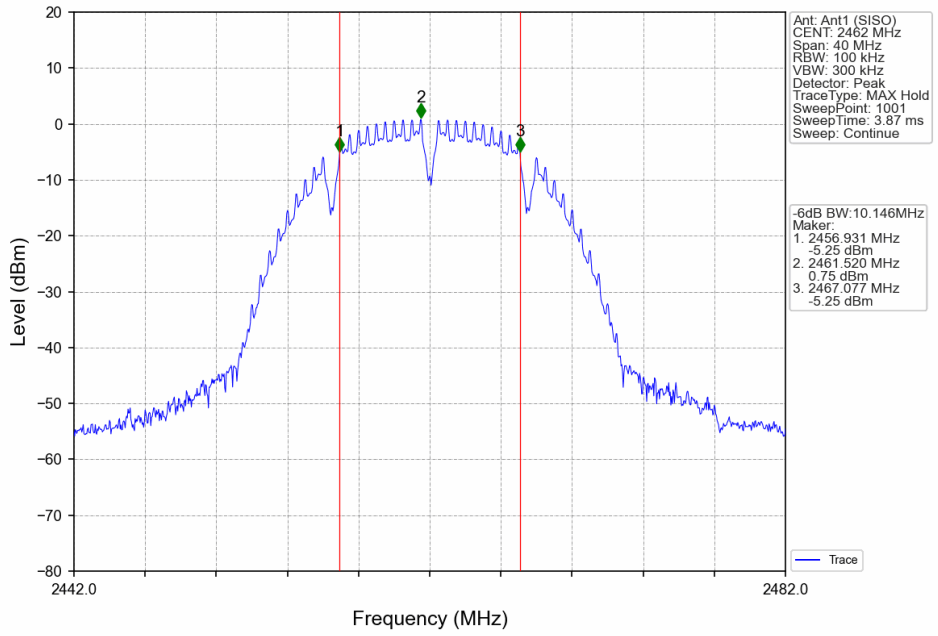
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



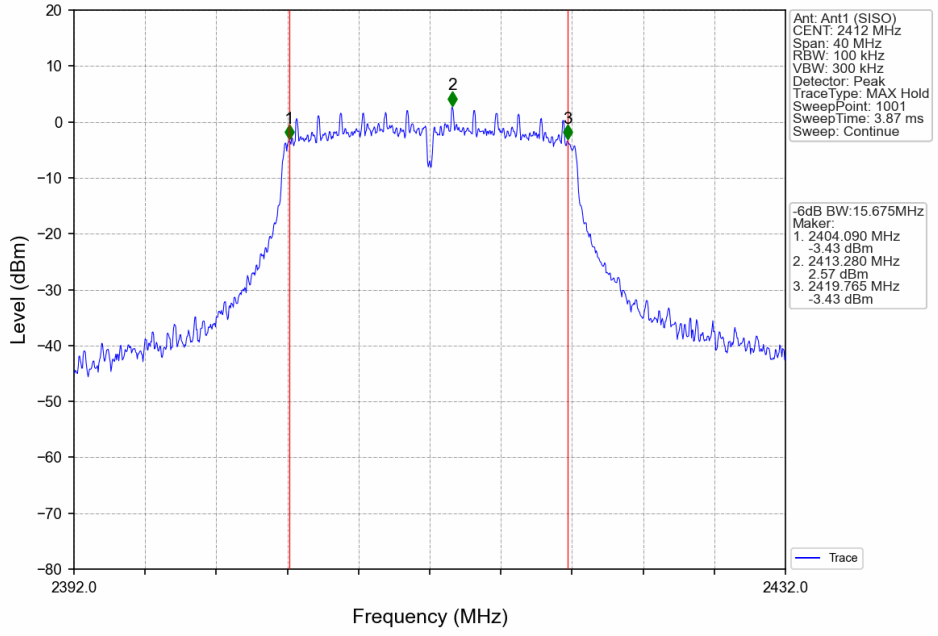
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



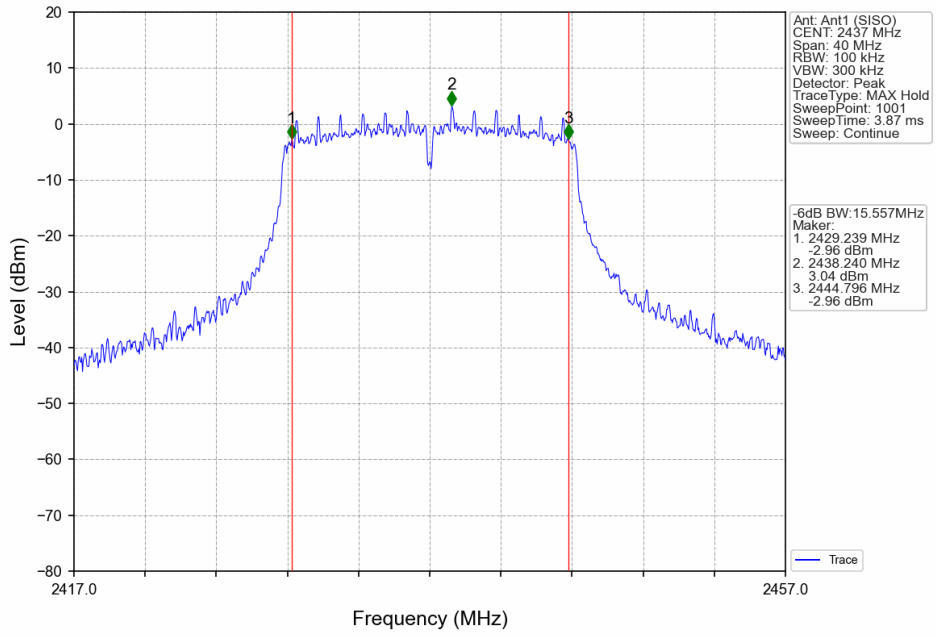
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



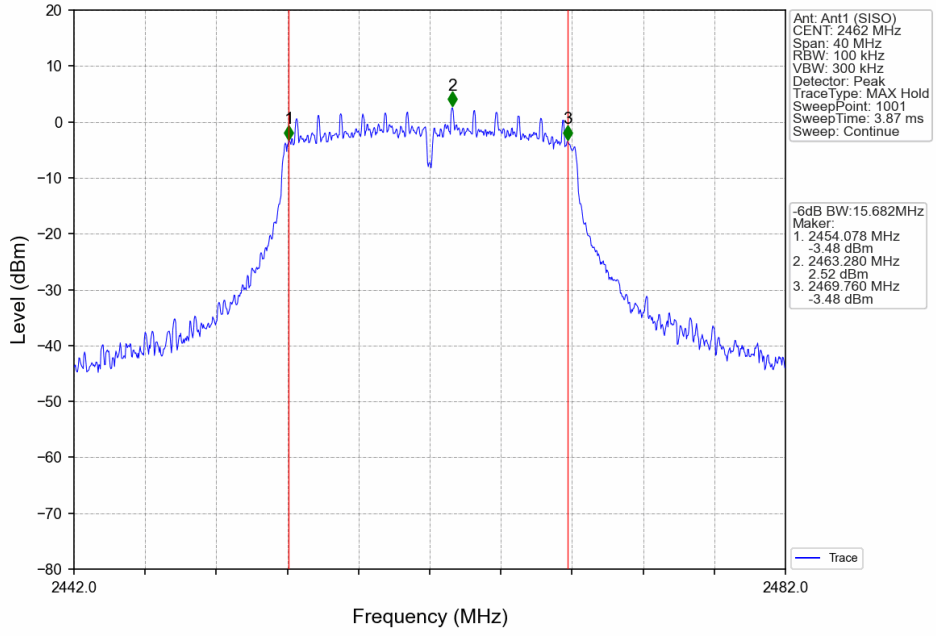
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



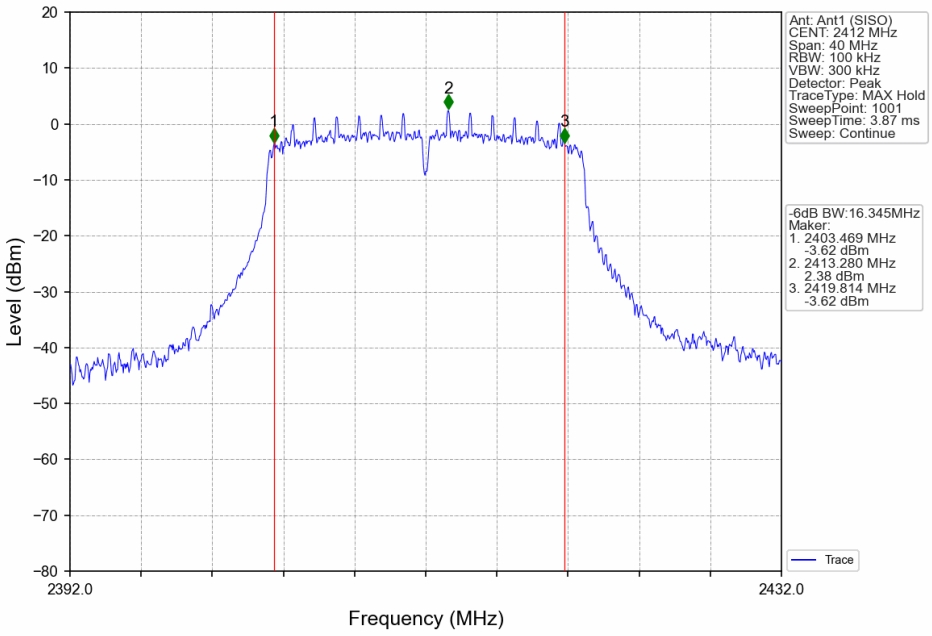
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



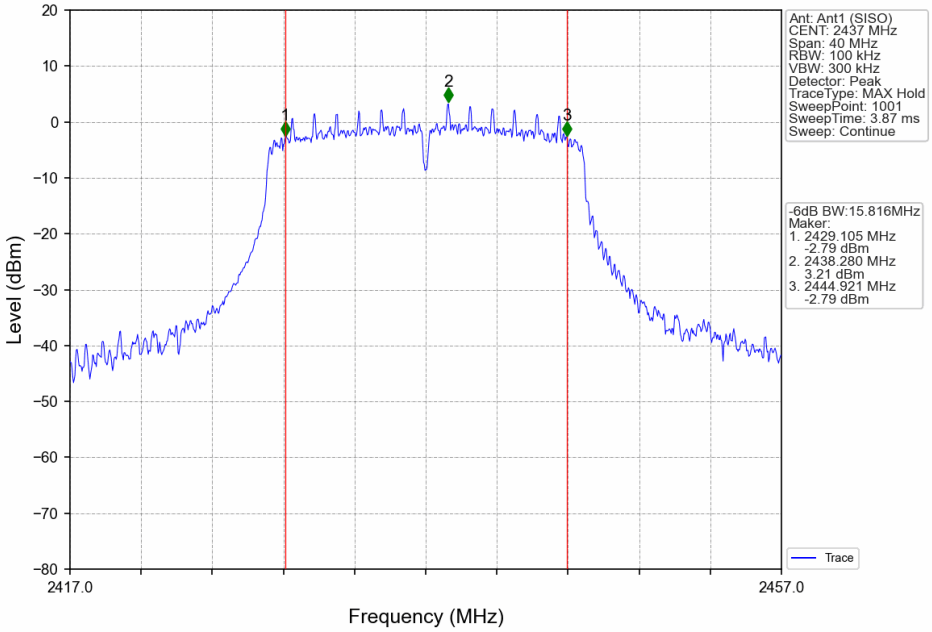
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



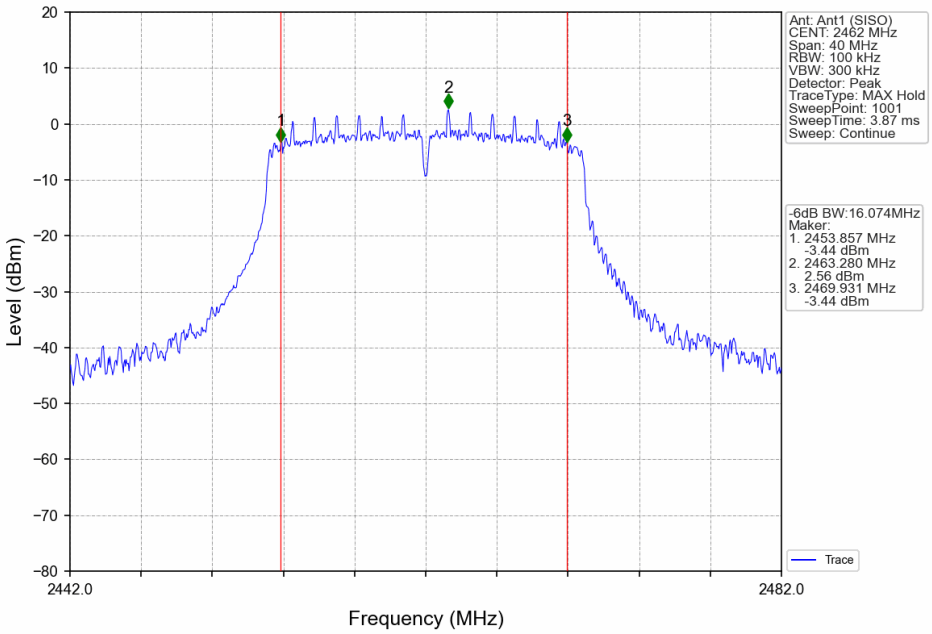
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



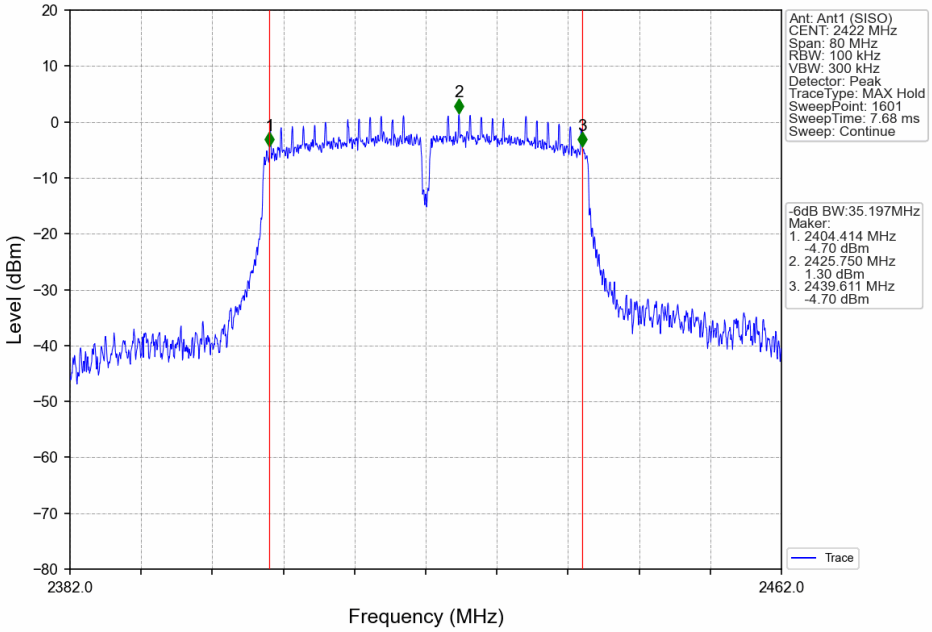
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



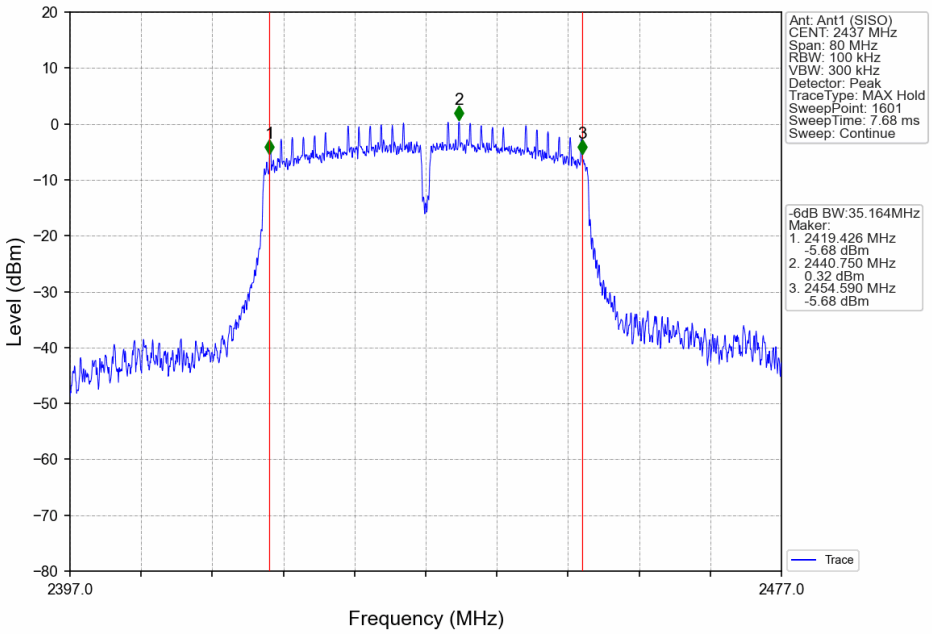
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



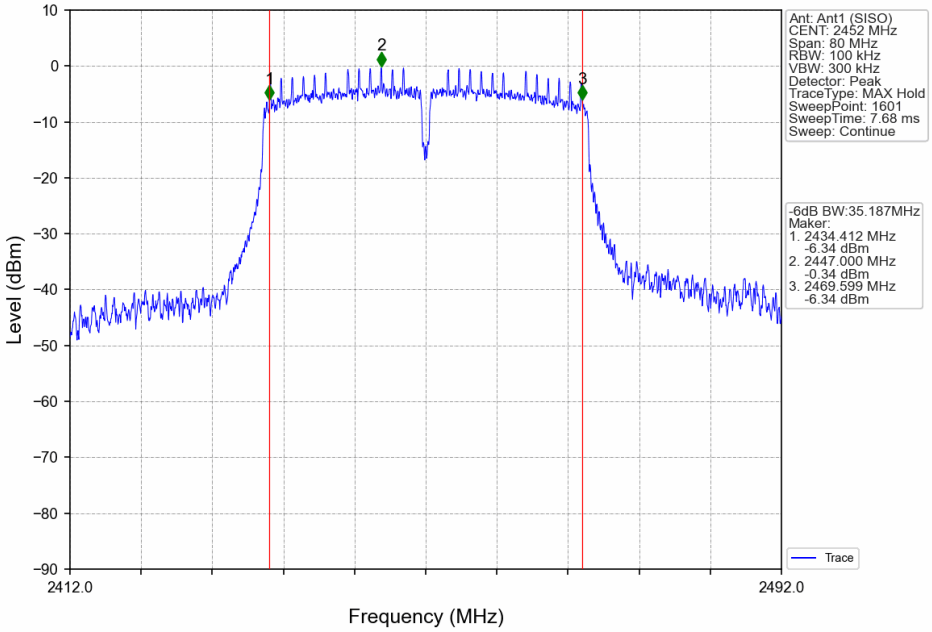
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



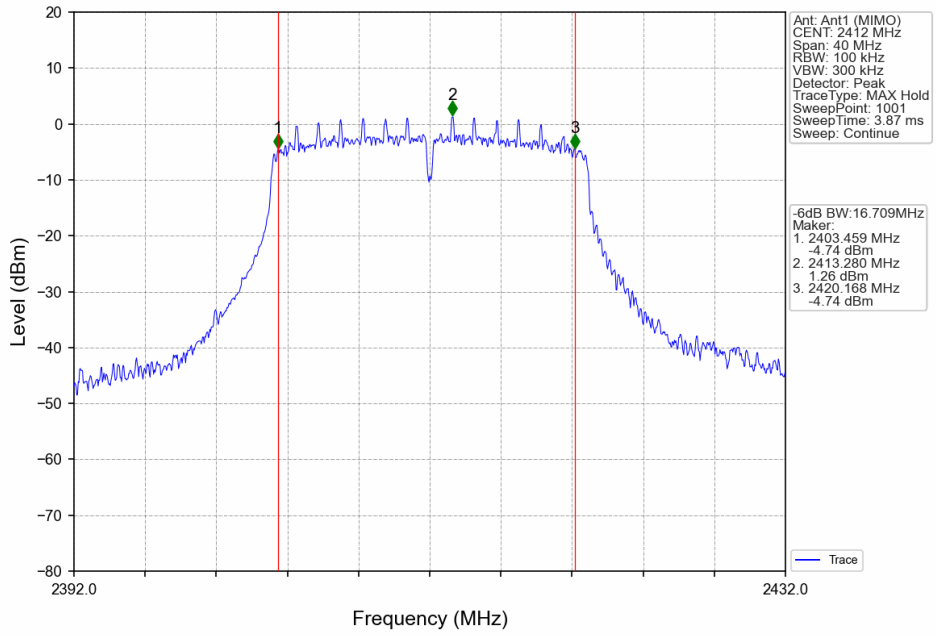
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



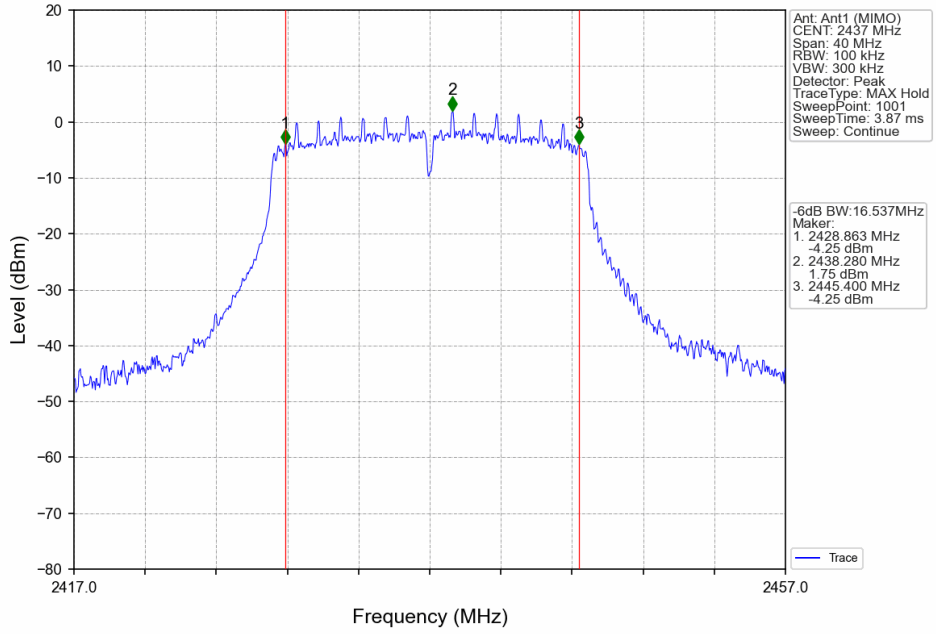
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



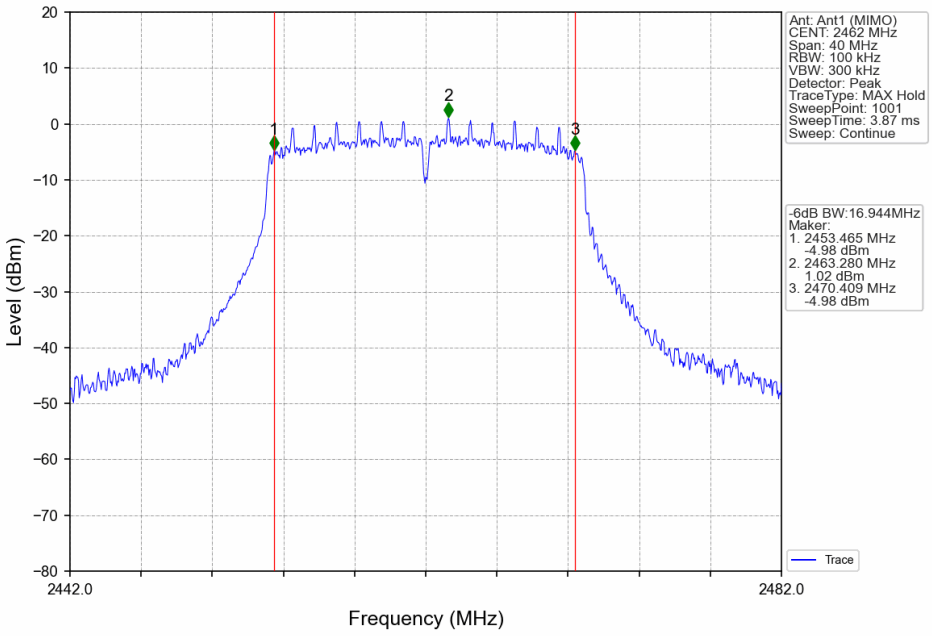
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



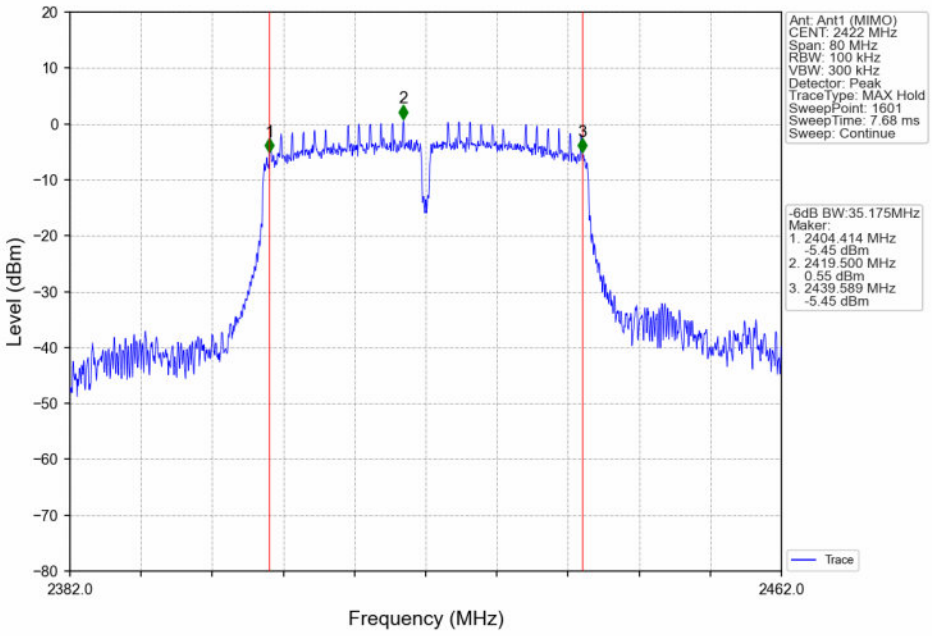
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



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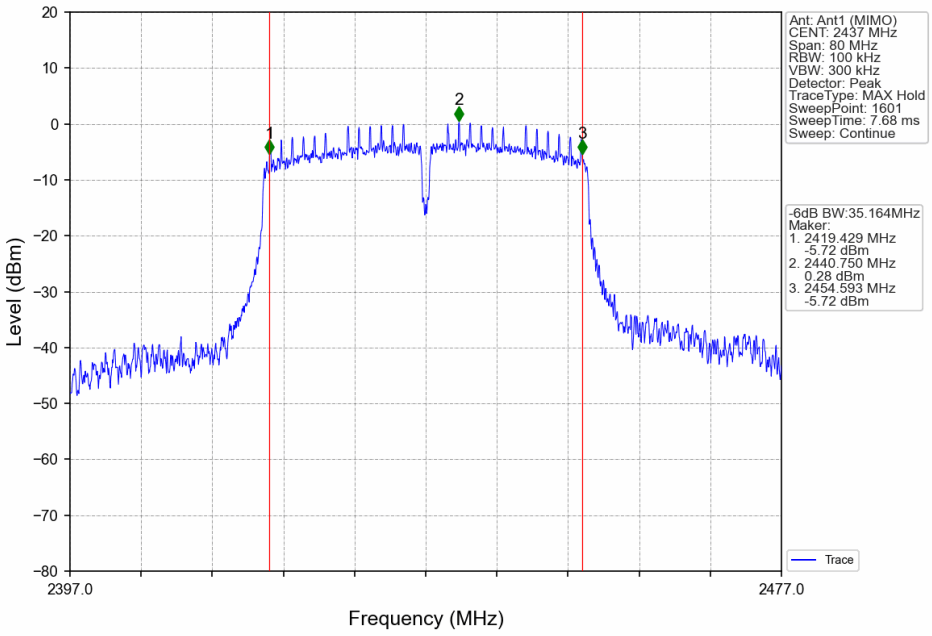
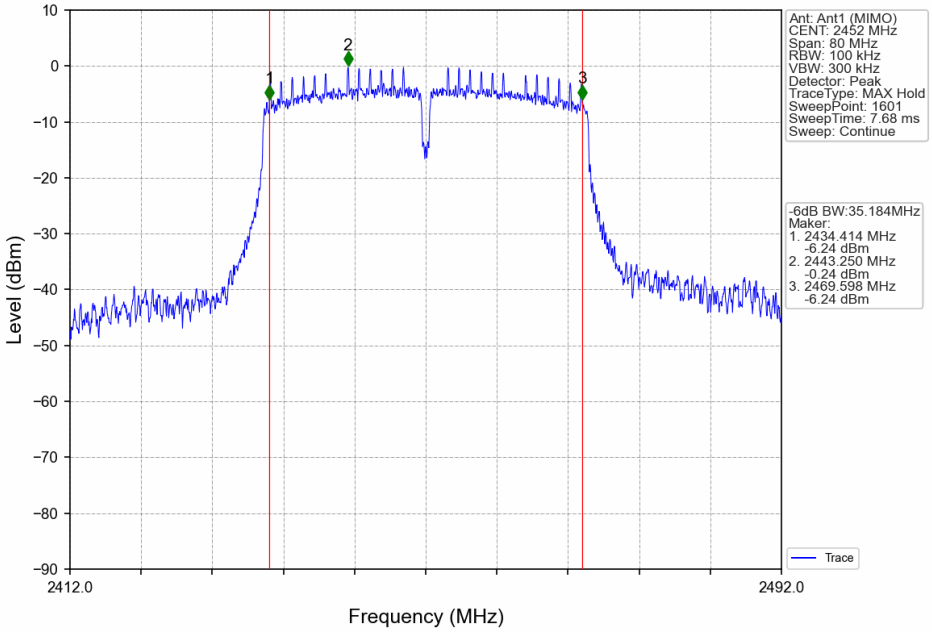
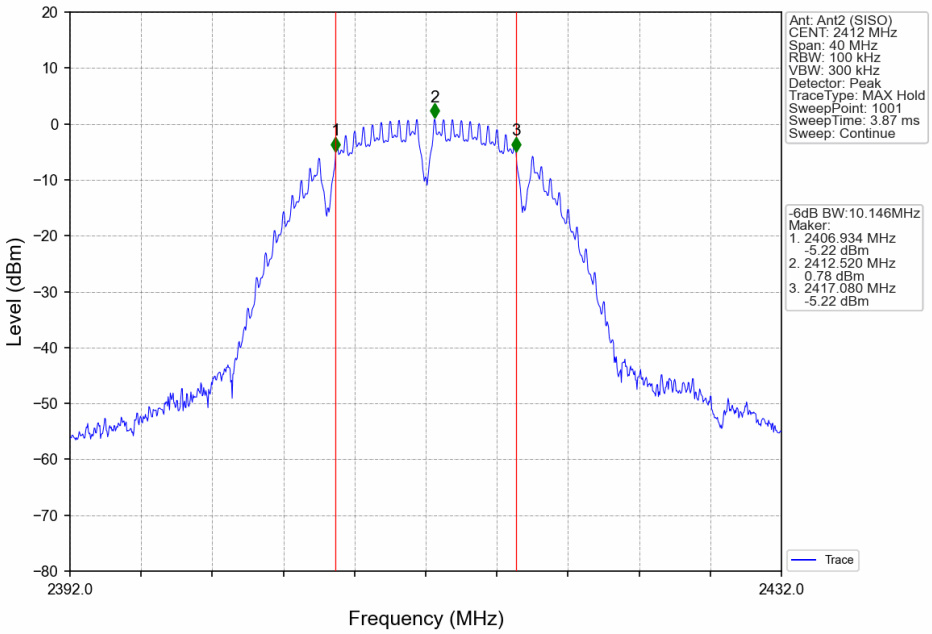


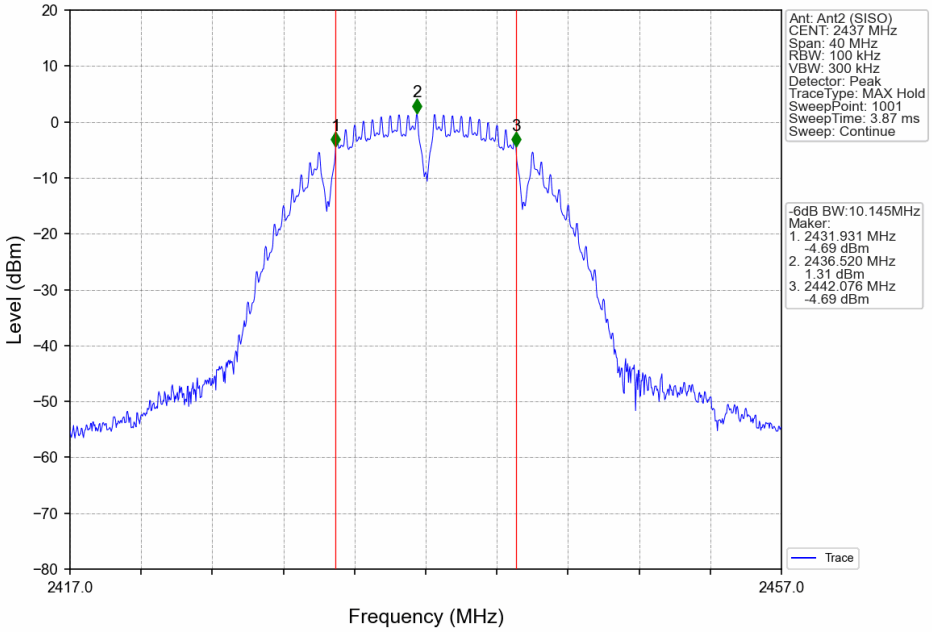
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



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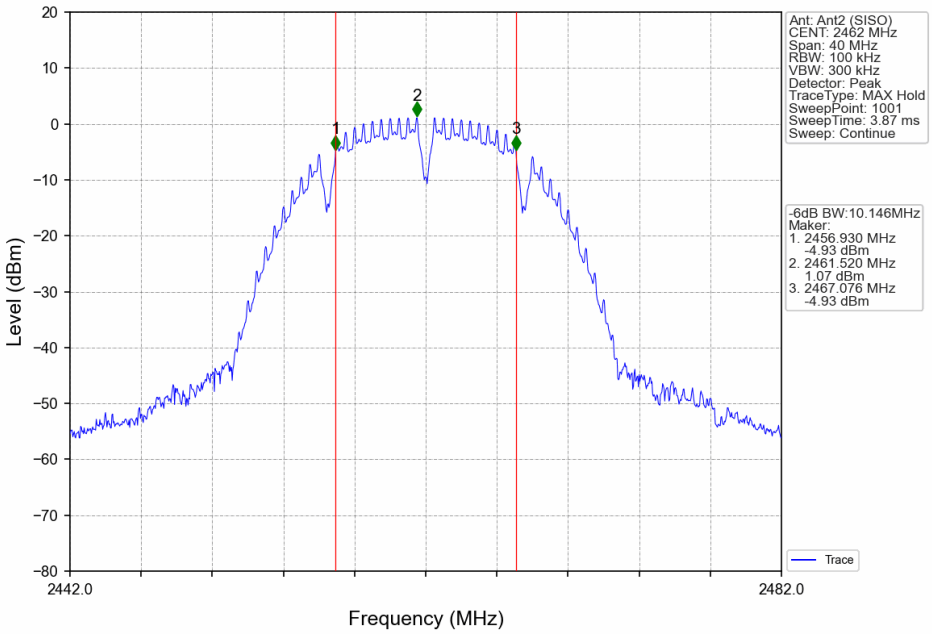
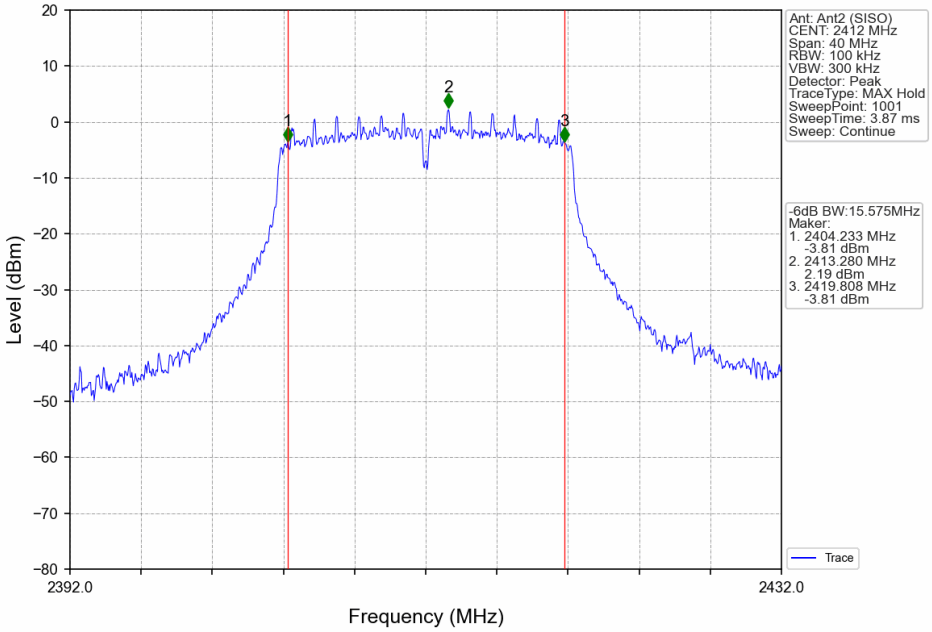


802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



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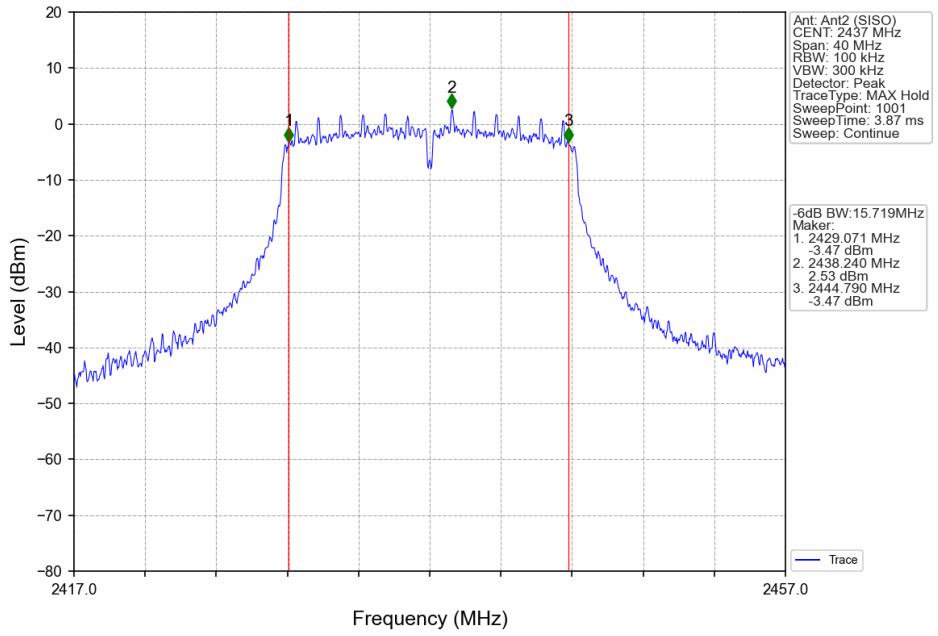
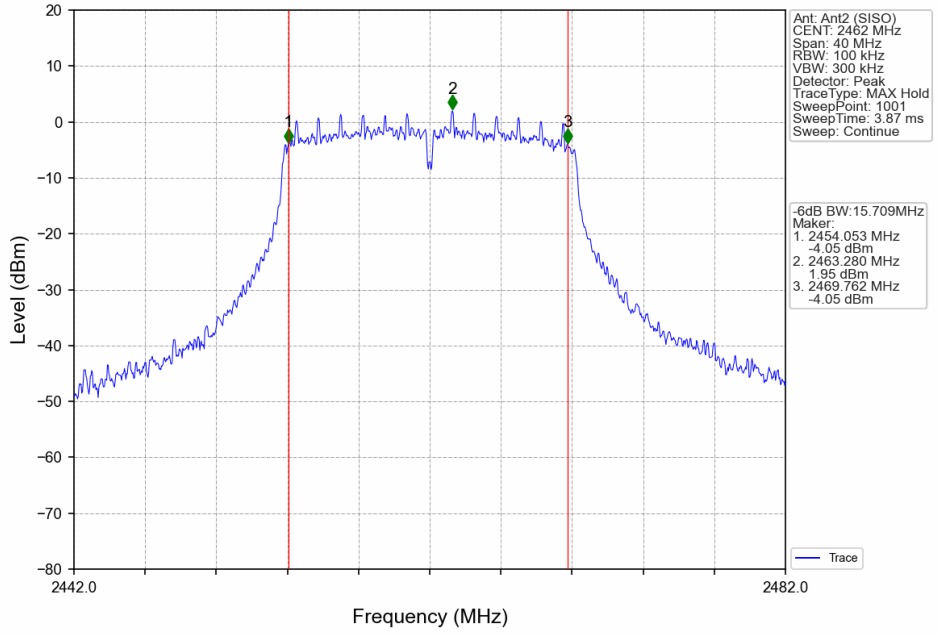
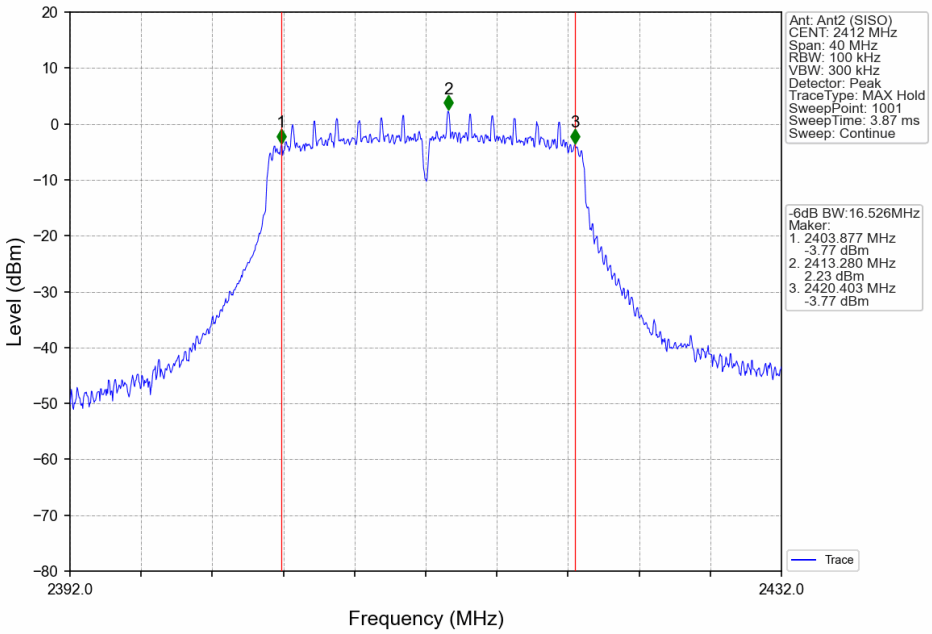


802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



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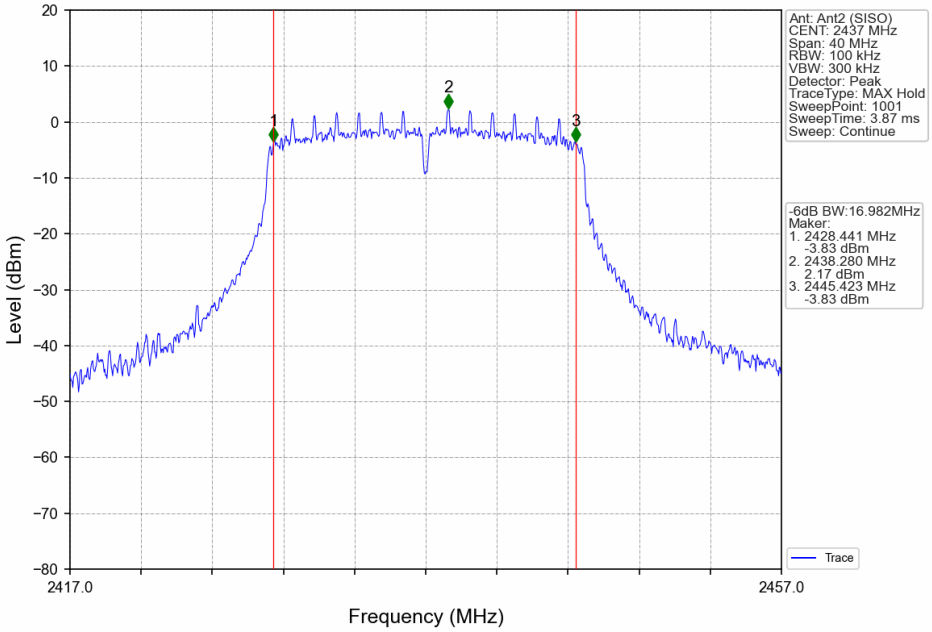
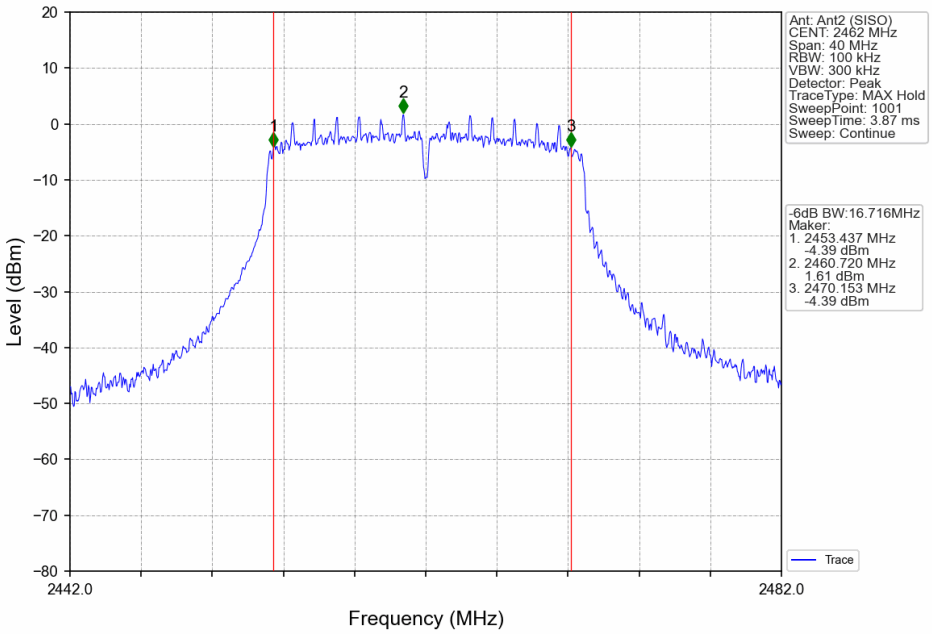
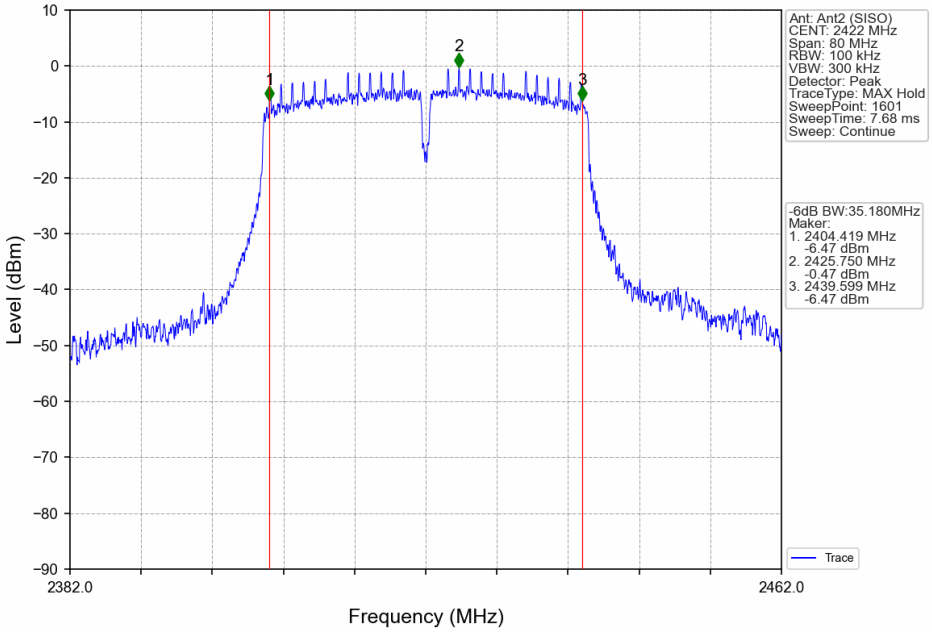


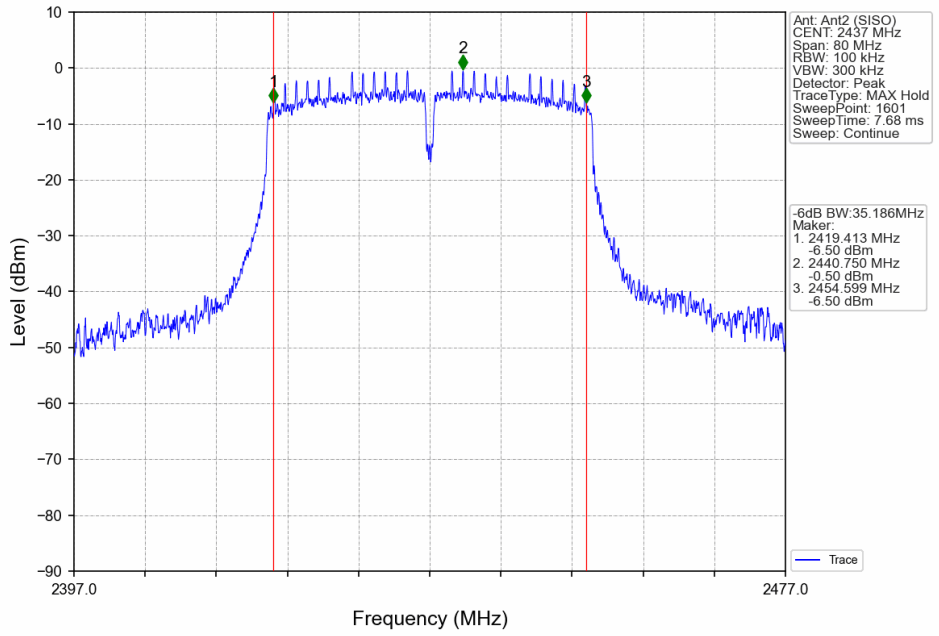
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



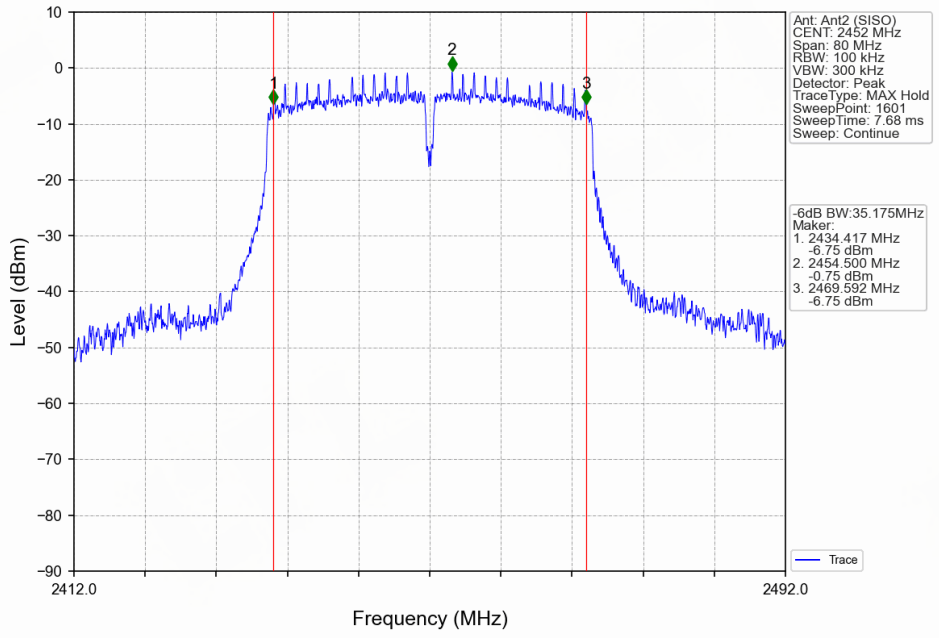
802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



2. Maximum Conducted Output Power

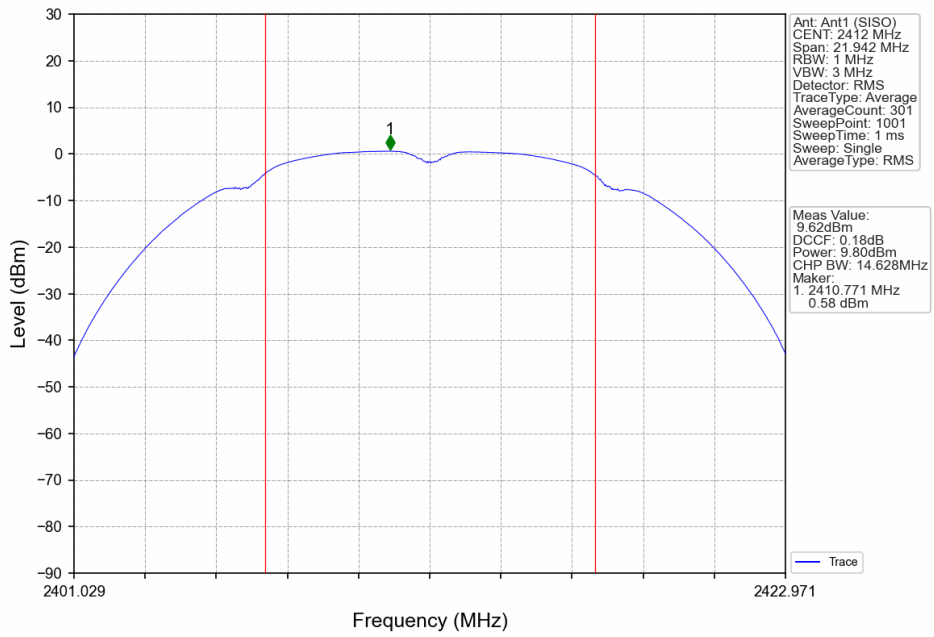
2.1 Power

2.1.1 Test Result

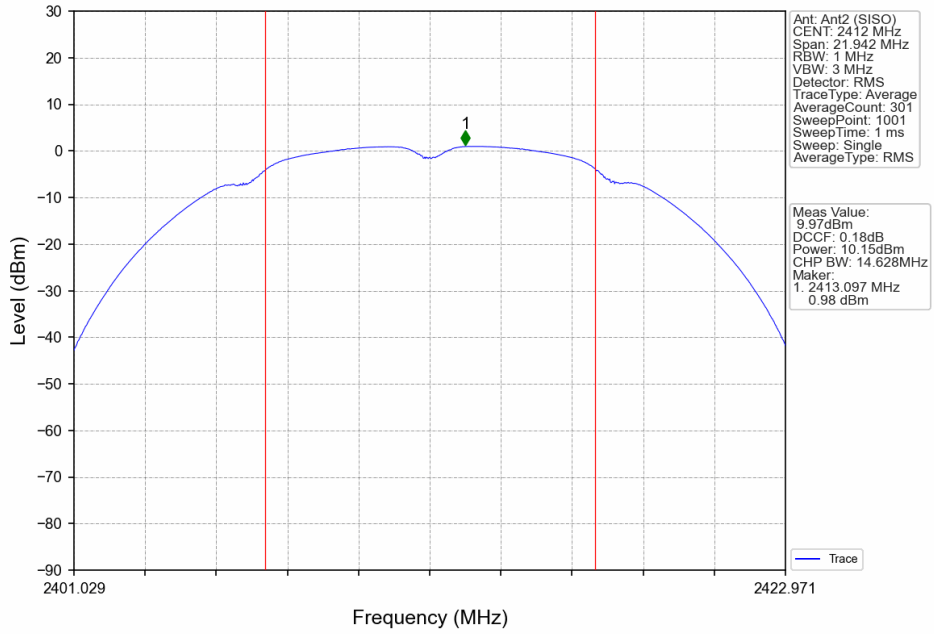
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	9.80	10.15	/	<=30	Pass
		2437	10.28	10.56	/	<=30	Pass
		2462	10.03	10.40	/	<=30	Pass
802.11g	SISO	2412	13.04	12.76	/	<=30	Pass
		2437	13.43	13.10	/	<=30	Pass
		2462	13.02	12.74	/	<=30	Pass
802.11n (HT20)	SISO	2412	12.82	12.51	/	<=30	Pass
		2437	13.46	13.14	/	<=30	Pass
		2462	12.97	12.57	/	<=30	Pass
802.11n (HT40)	SISO	2422	14.78	13.87	/	<=30	Pass
		2437	13.27	14.92	/	<=30	Pass
		2452	13.43	13.08	/	<=30	Pass
802.11n (HT20)	MIMO	2412	12.04	12.38	15.22	<=30	Pass
		2437	12.20	13.07	15.67	<=30	Pass
		2462	11.58	12.40	15.02	<=30	Pass
802.11n (HT40)	MIMO	2422	14.08	13.17	16.66	<=30	Pass
		2437	13.74	13.20	16.49	<=30	Pass
		2452	13.62	12.72	16.20	<=30	Pass
Note1: Antenna Gain: Ant1: 2.50dBi; Ant2: 2.50dBi; Note2: Directional Gain: 5.5dBi							

2.1.2 Test Graph

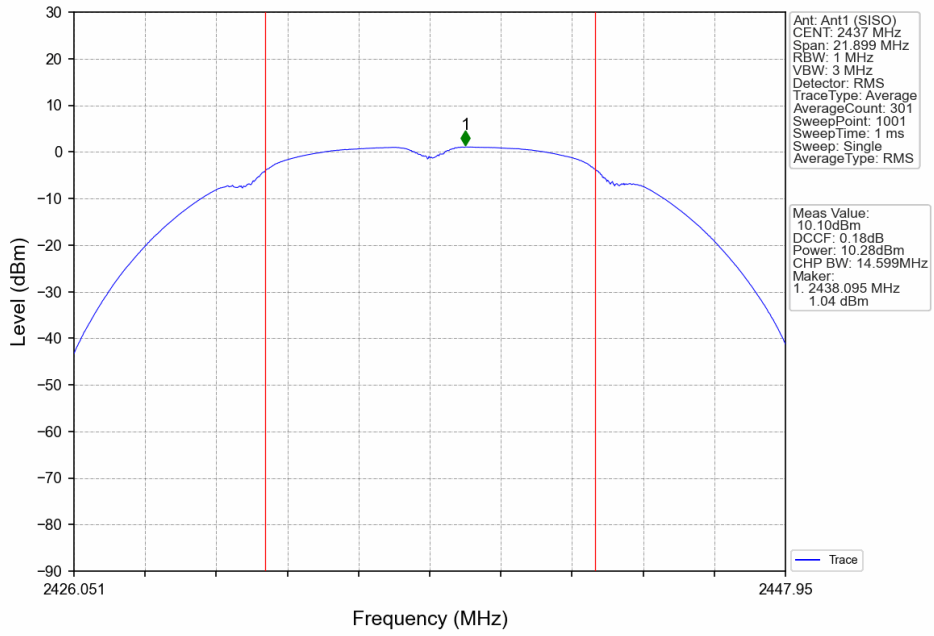
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



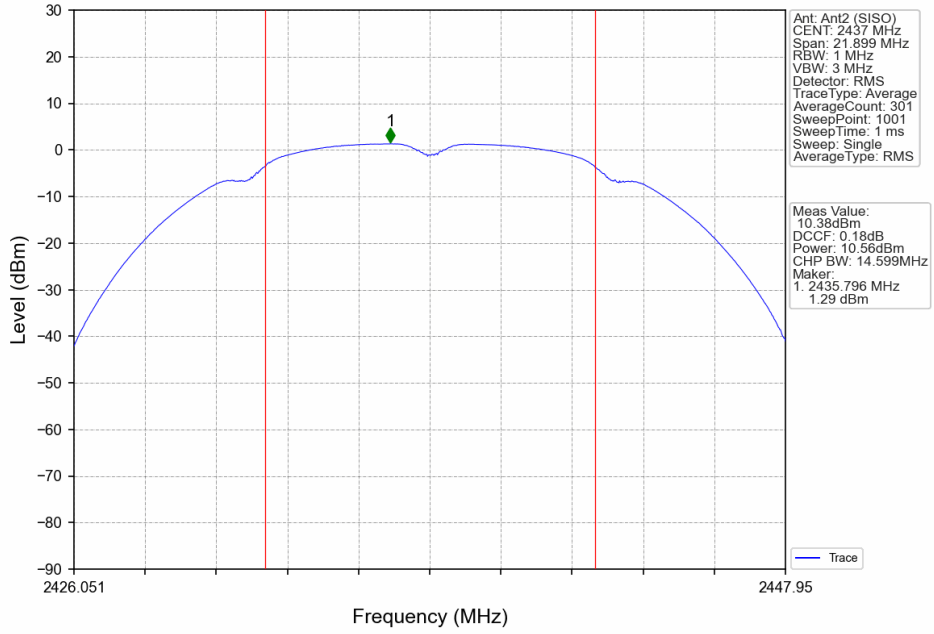
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



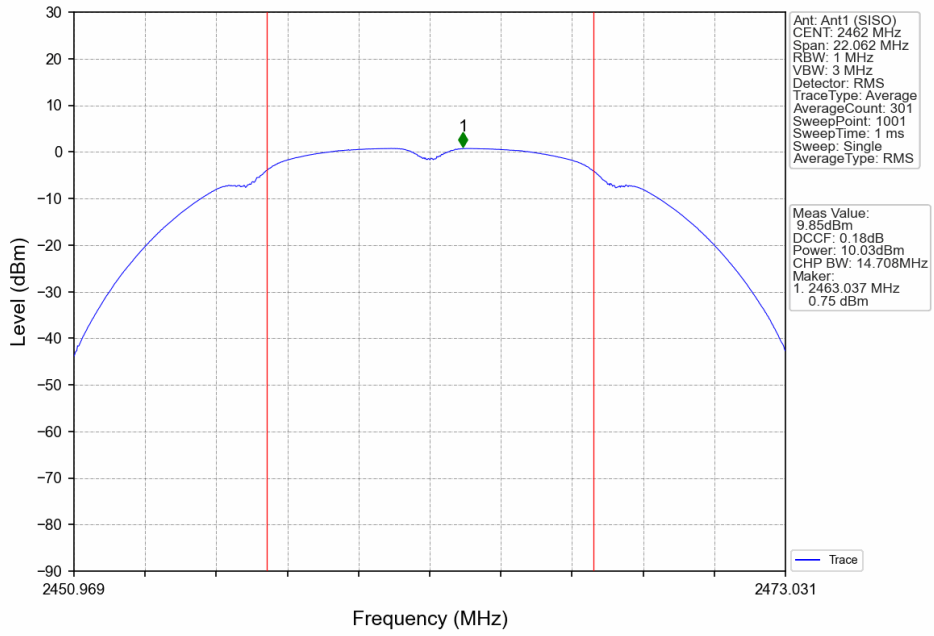
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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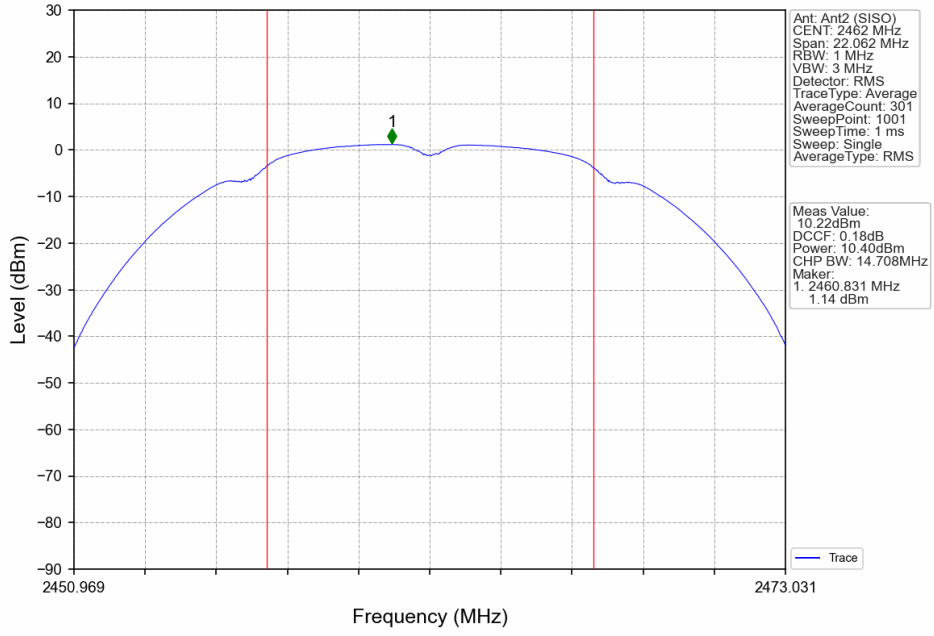
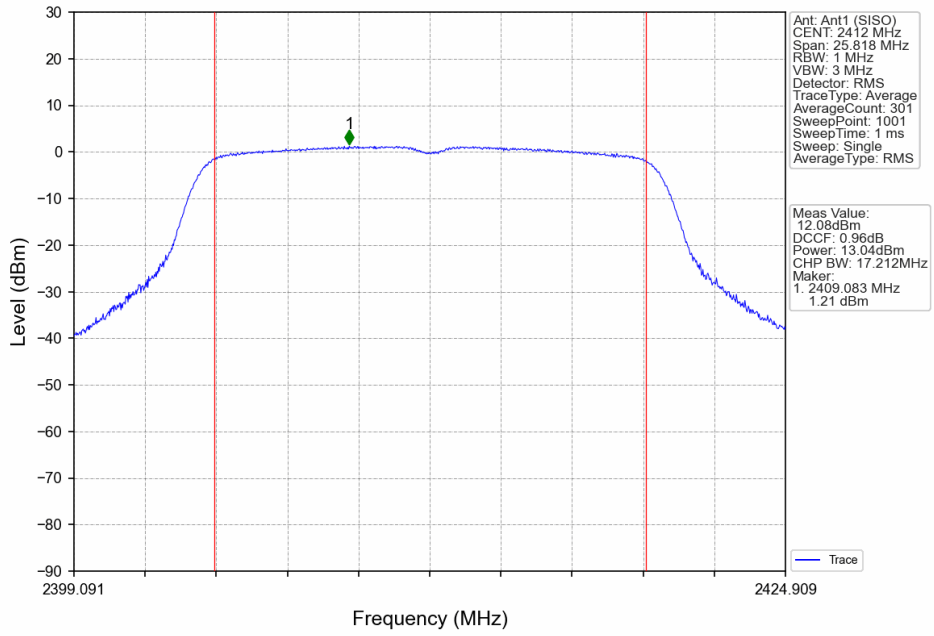
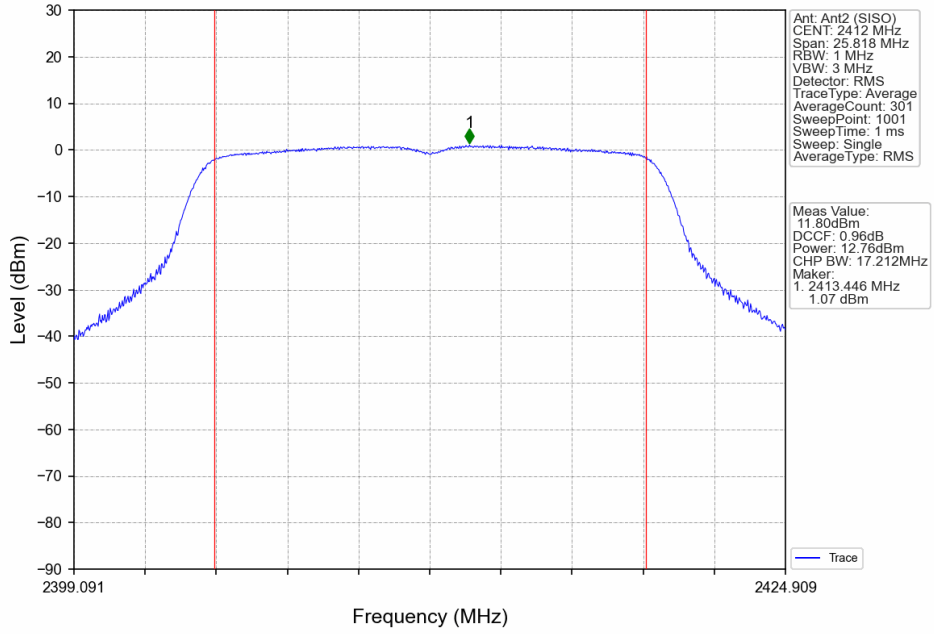


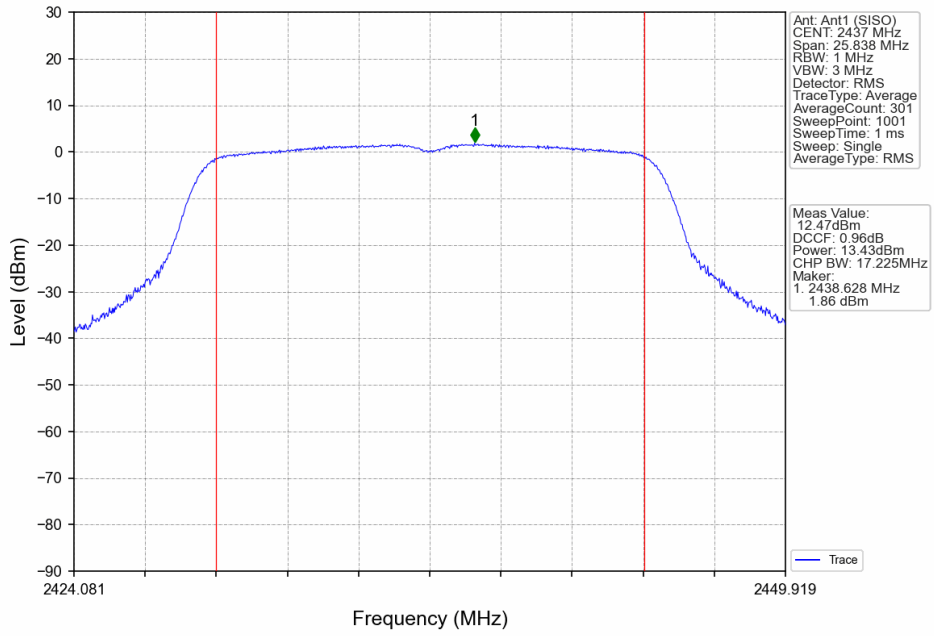
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



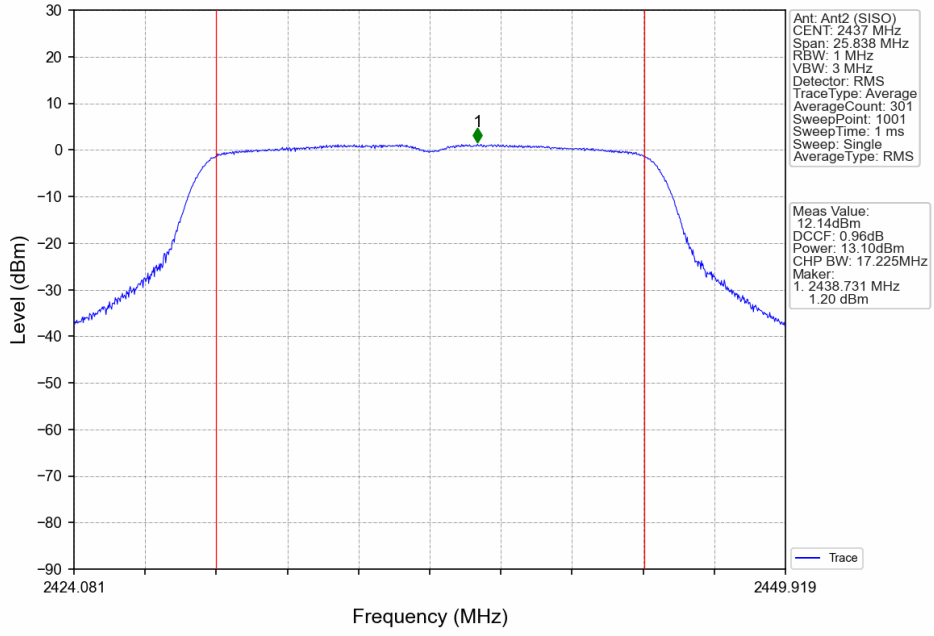
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



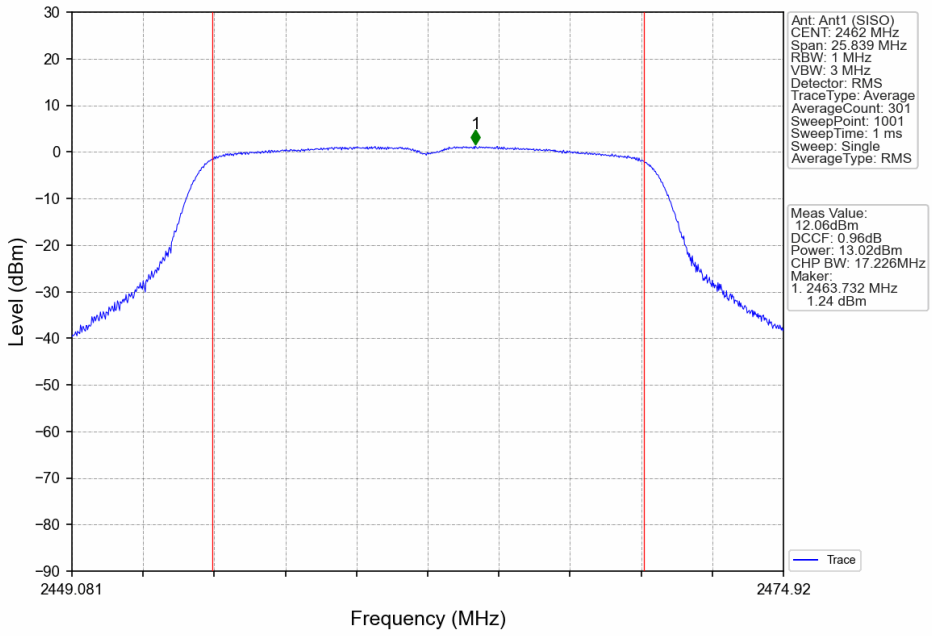
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



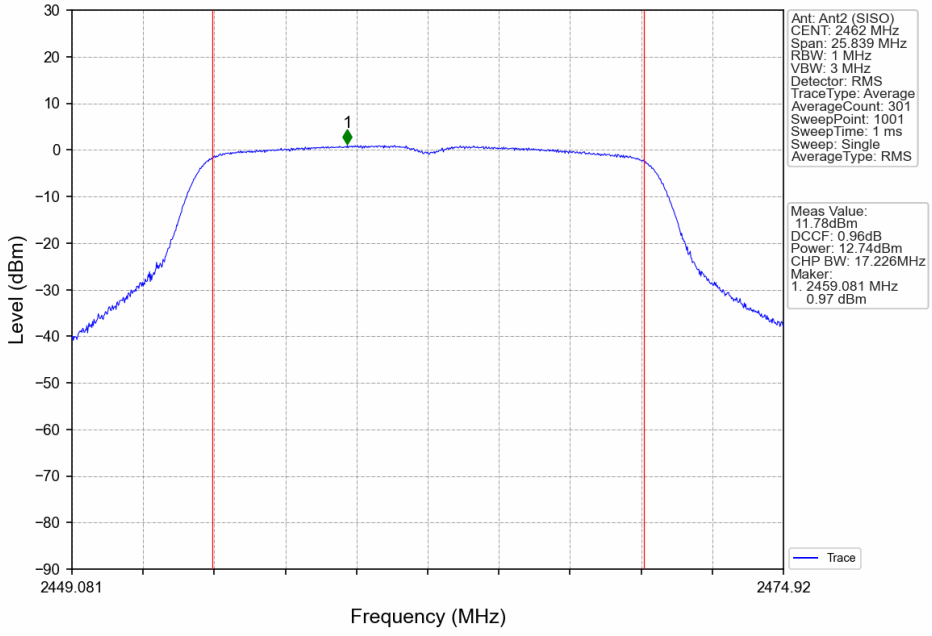
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



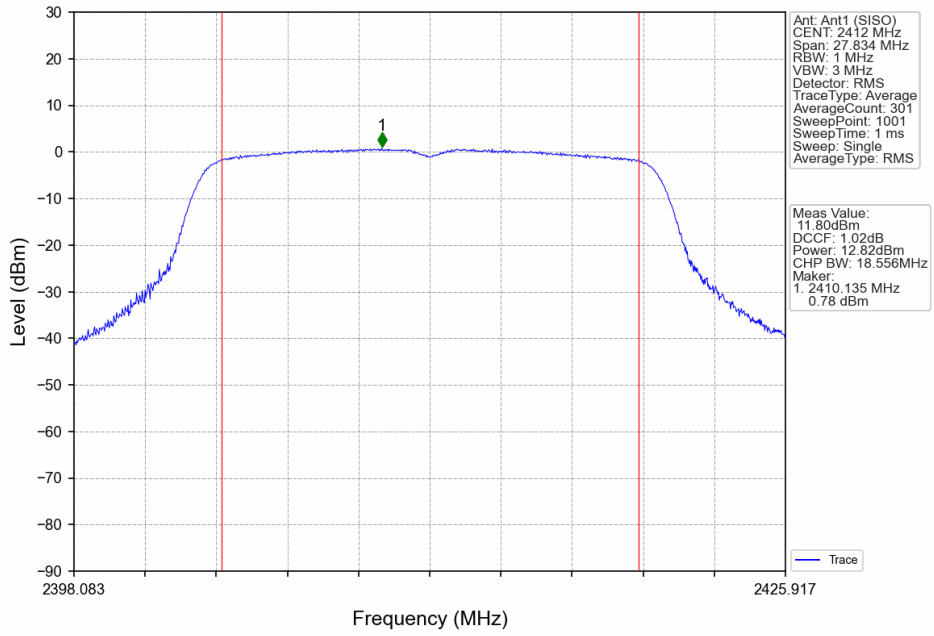
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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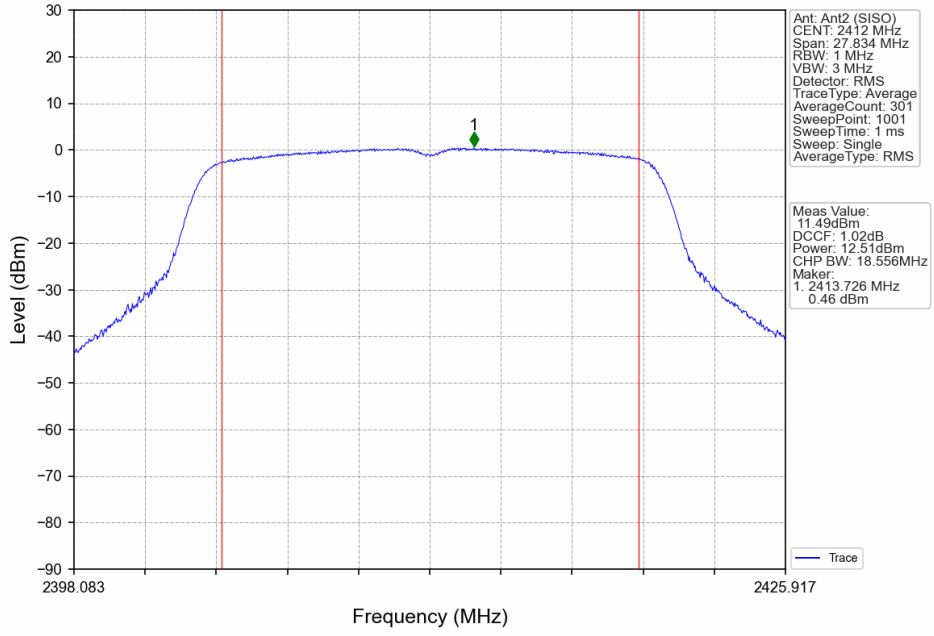
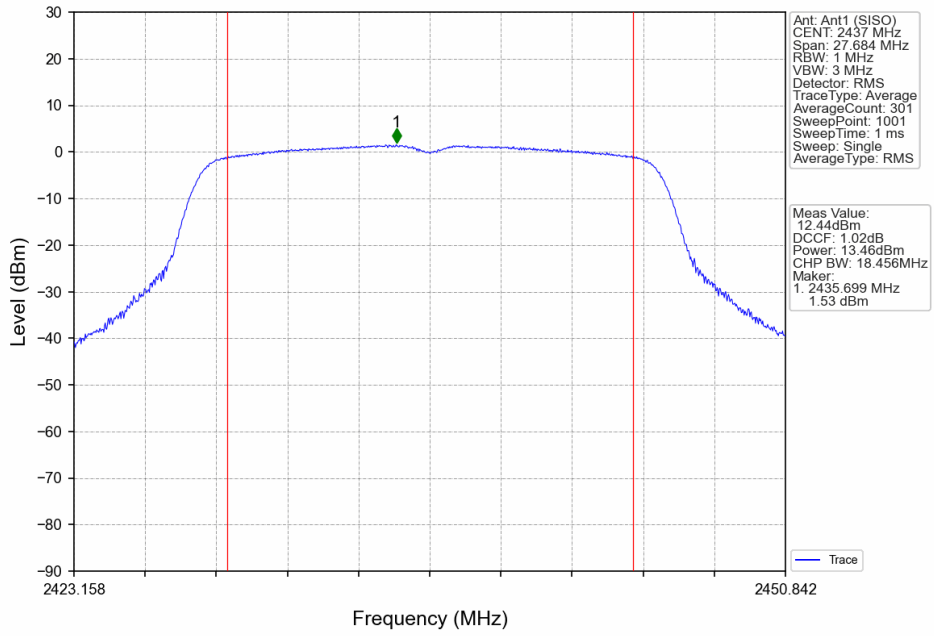


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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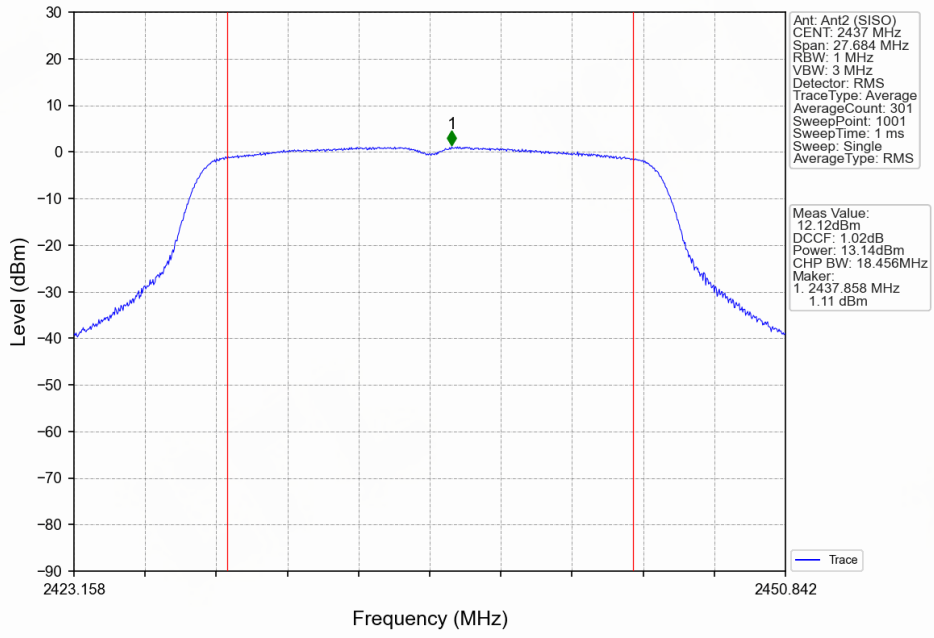
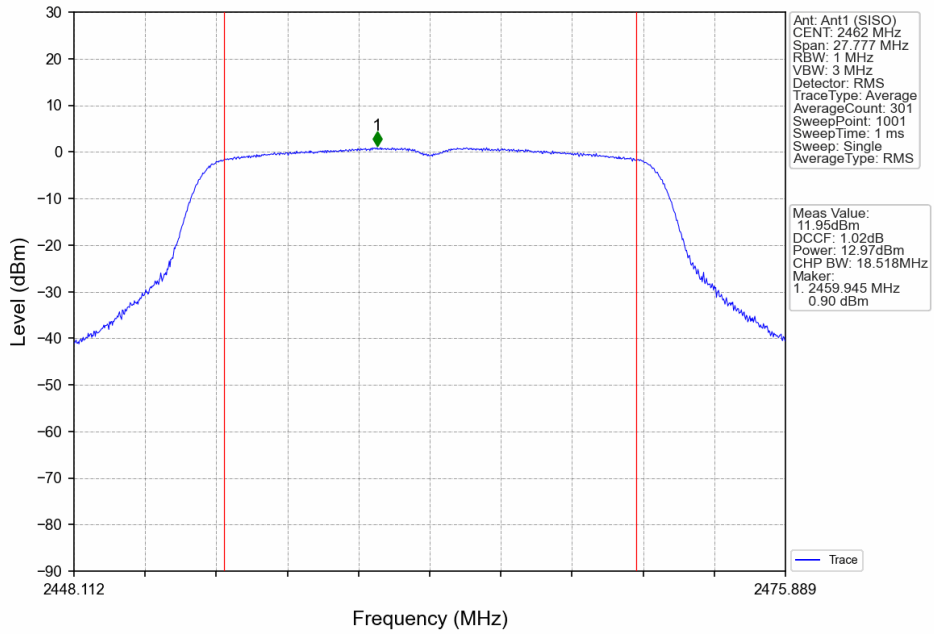
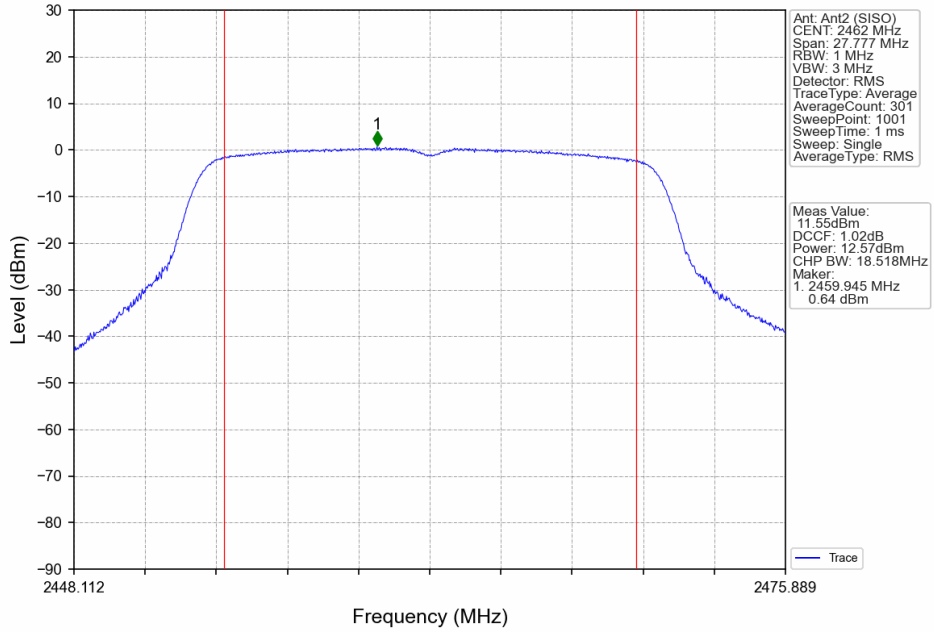


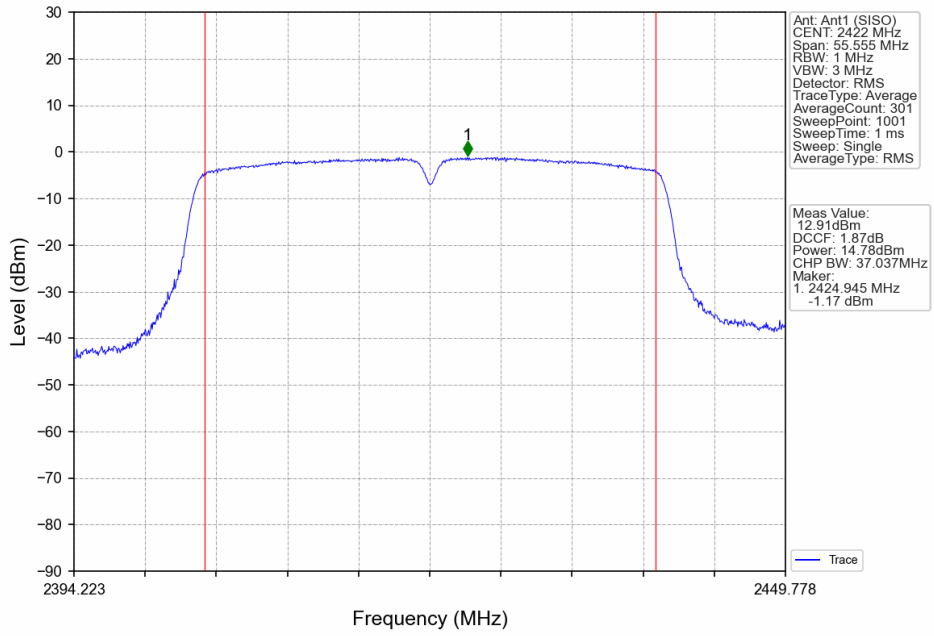
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



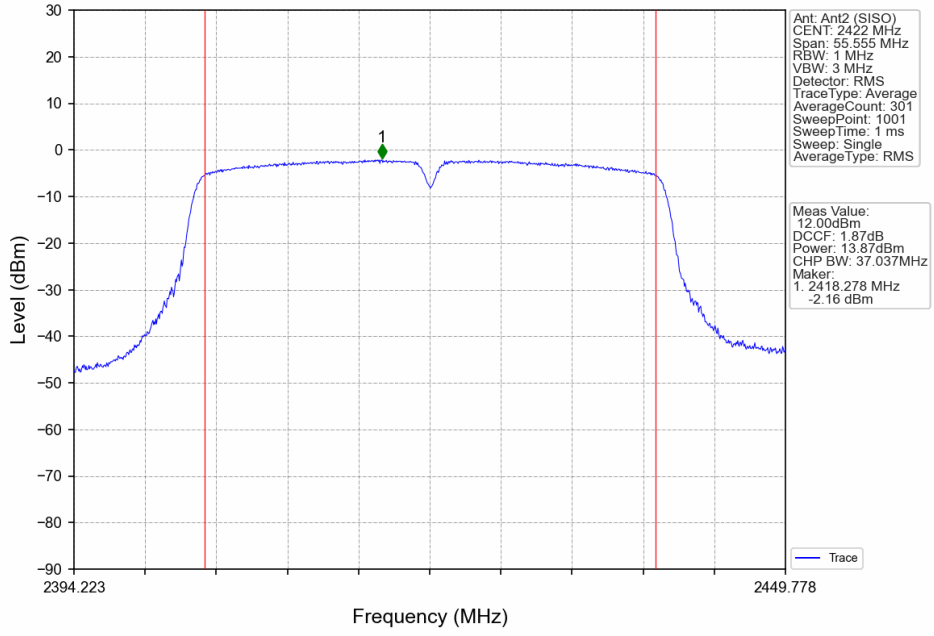
802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



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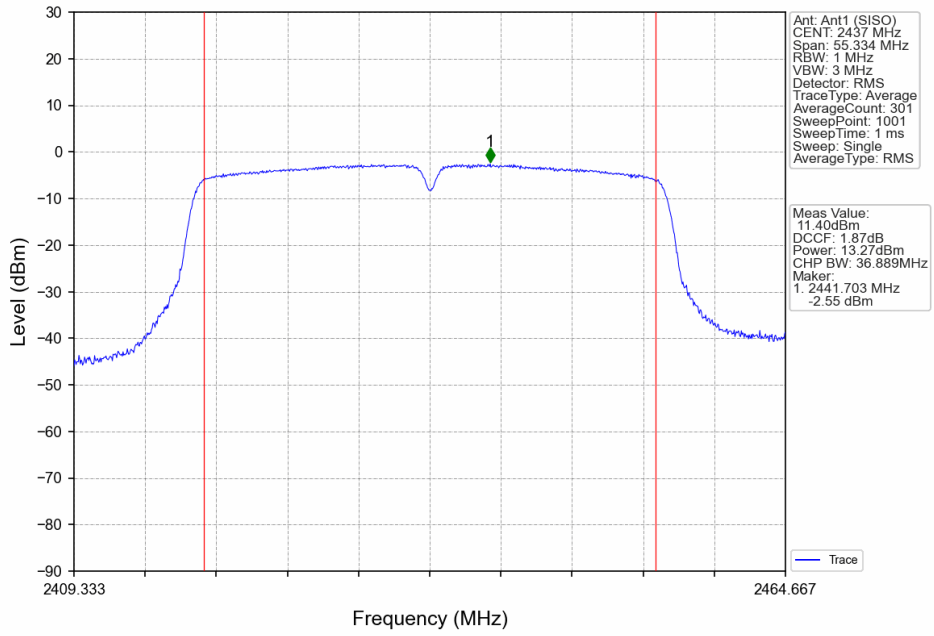
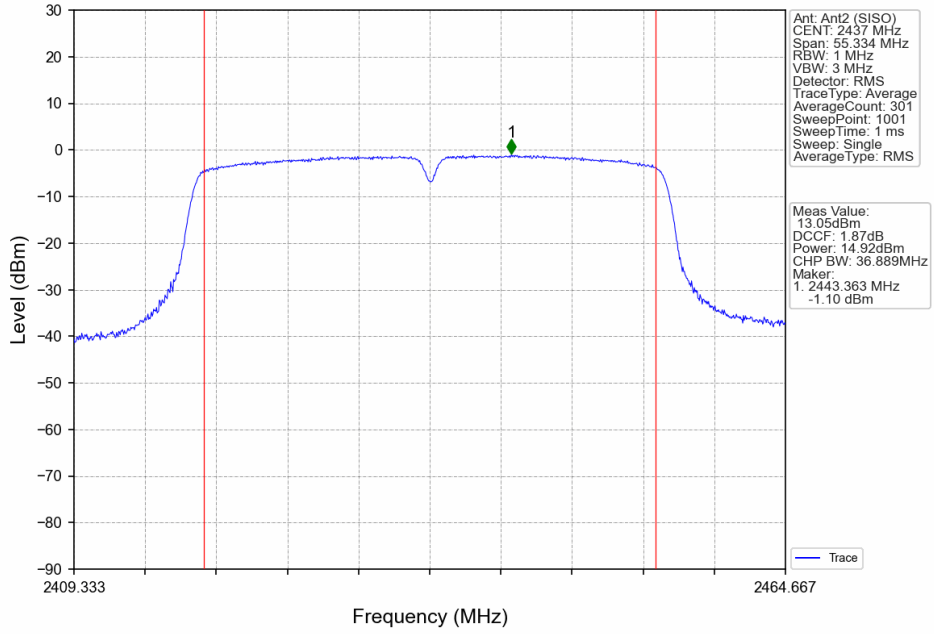


802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



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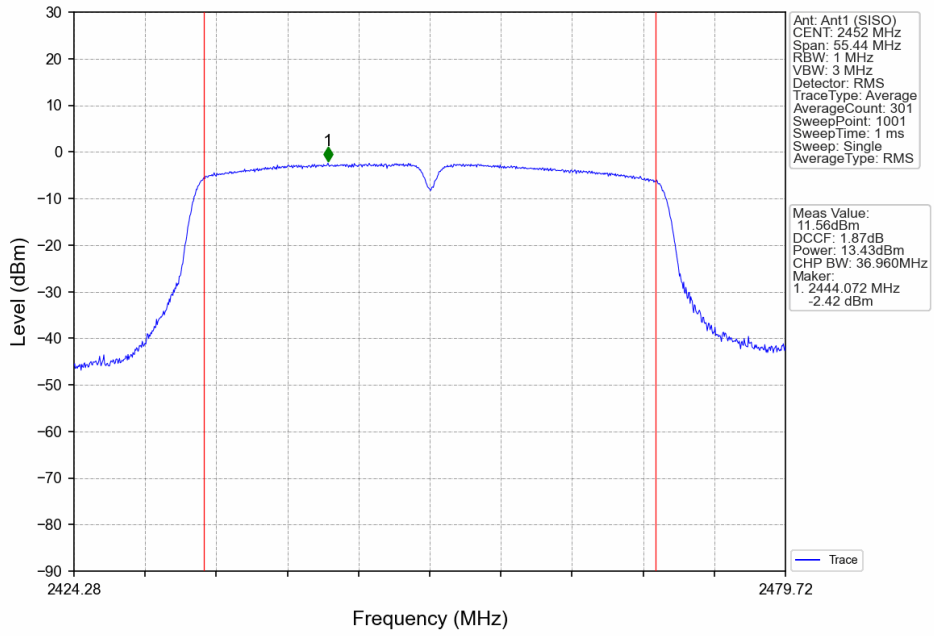
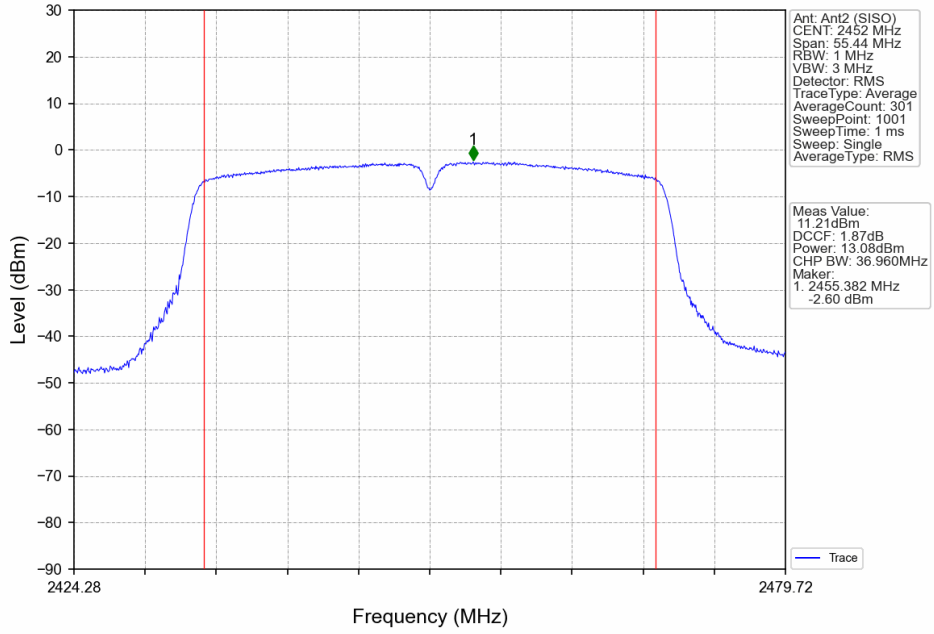


802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV



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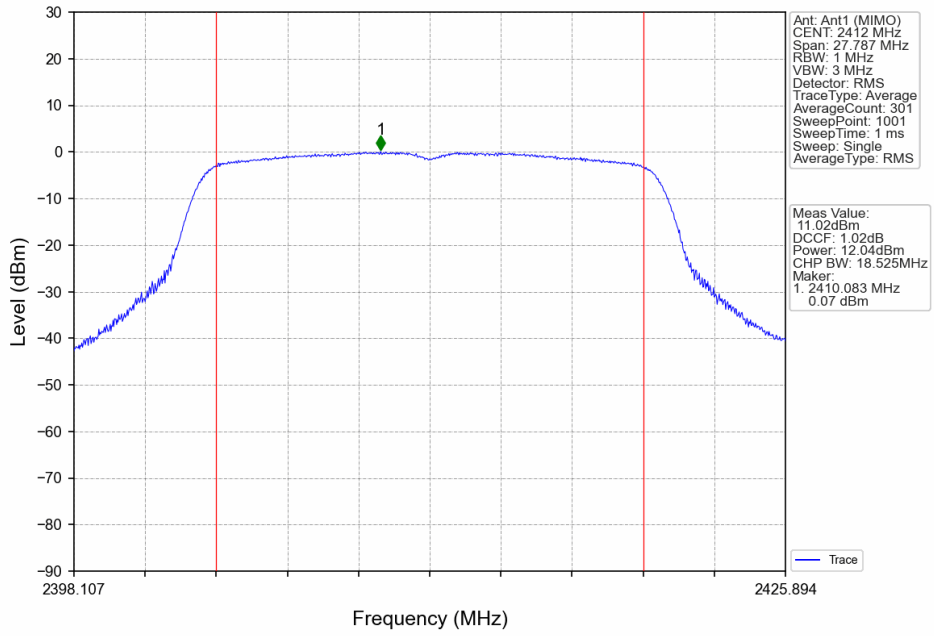
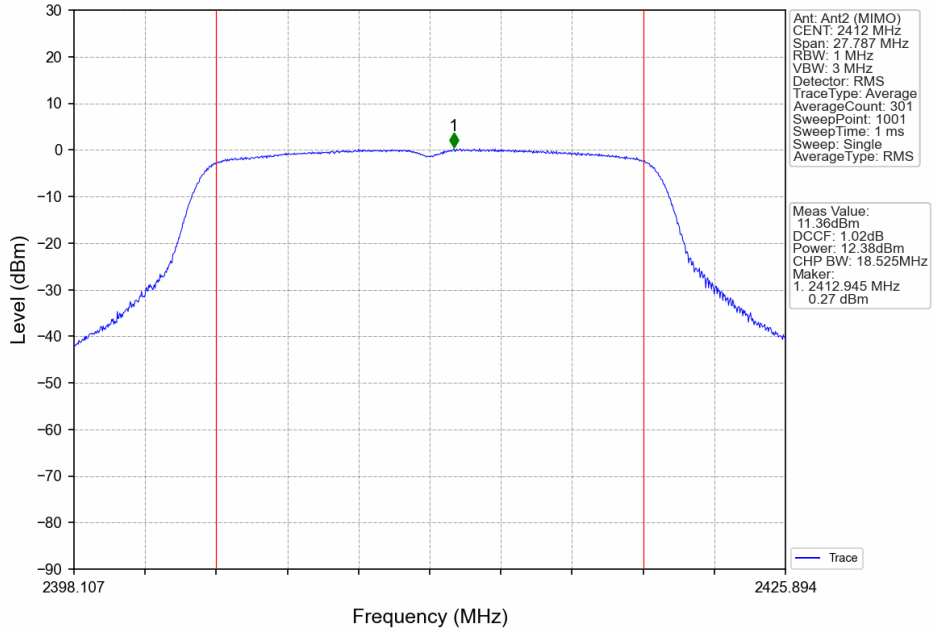
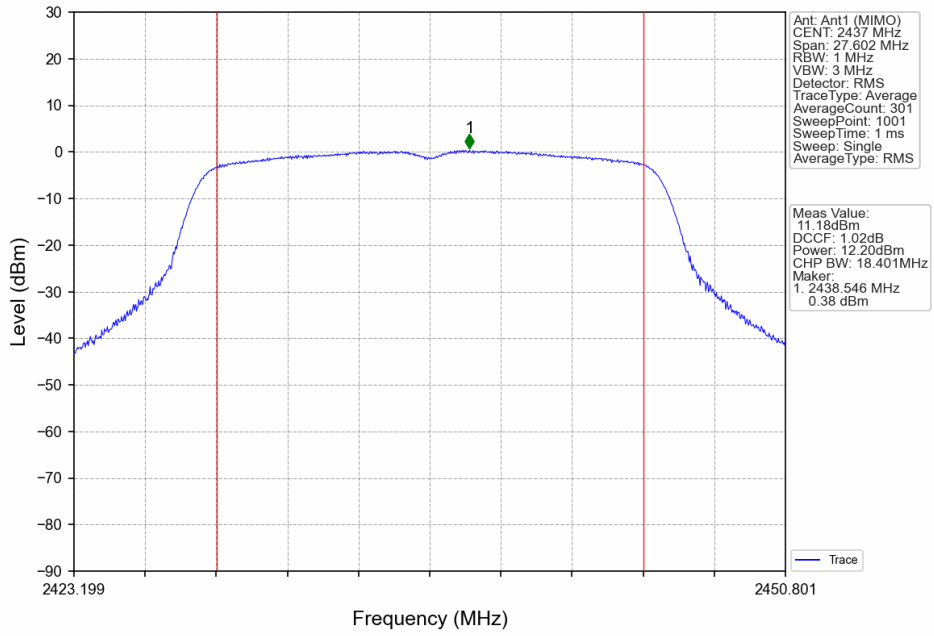


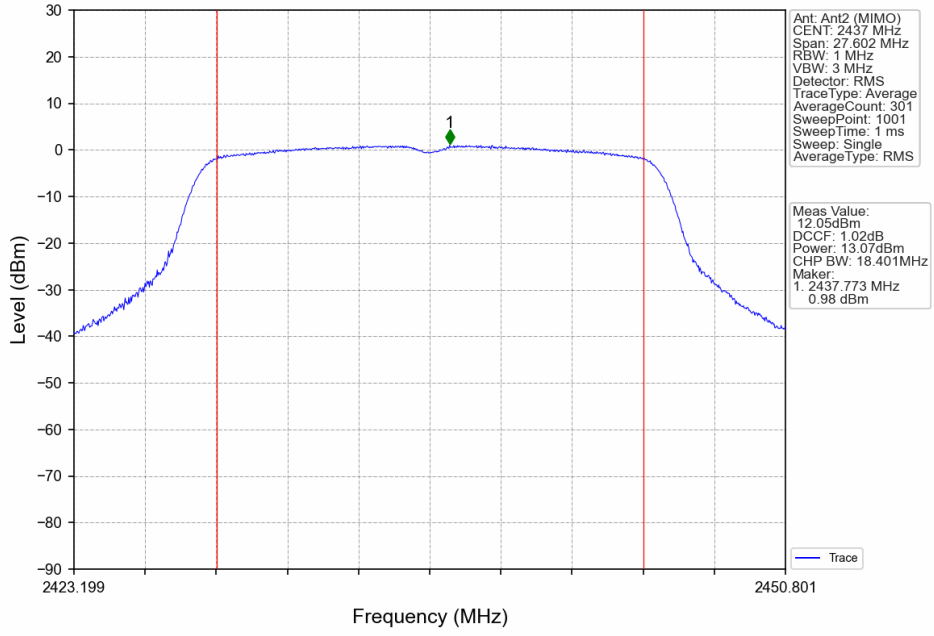
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



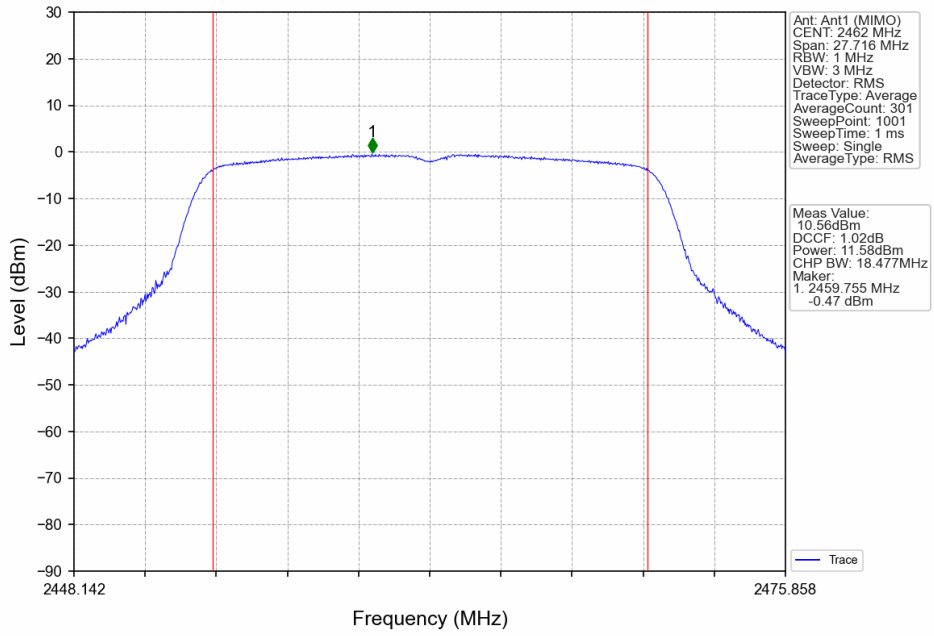
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



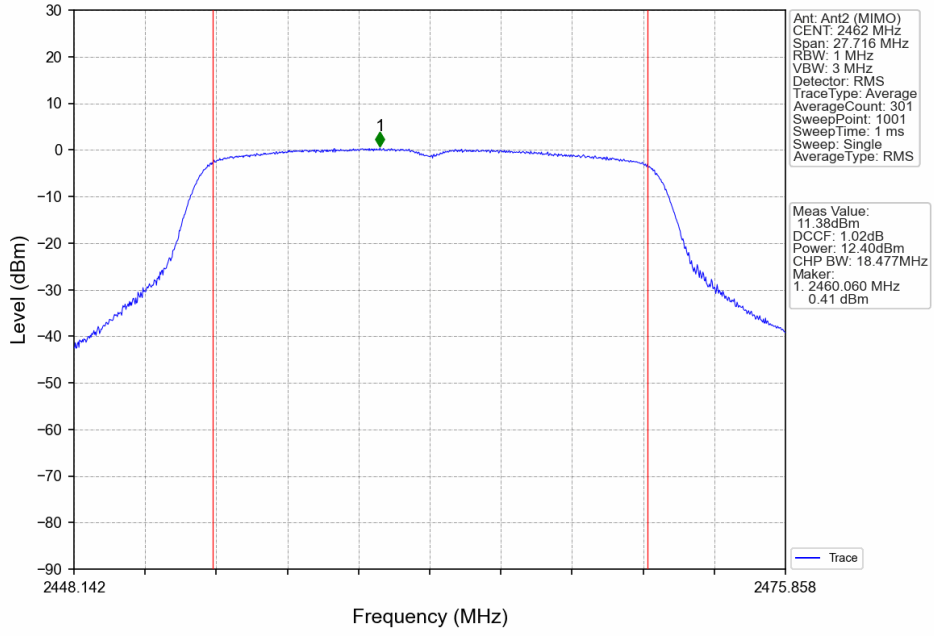
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



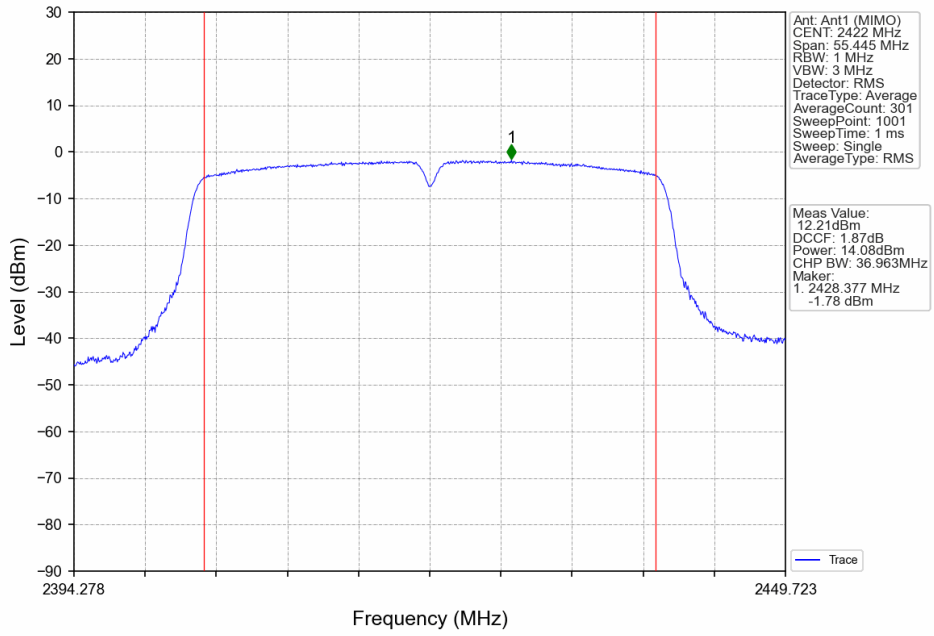
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



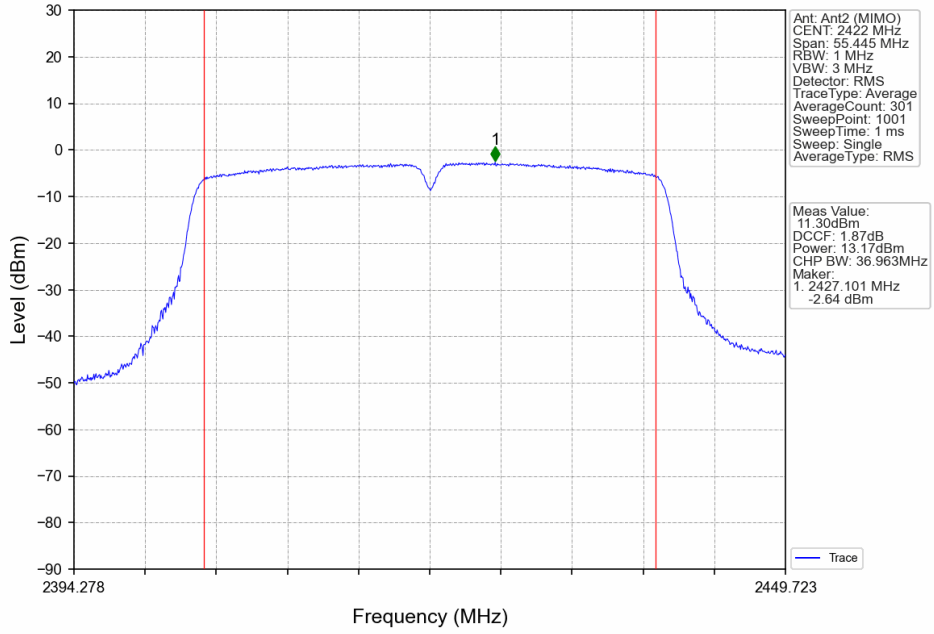
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



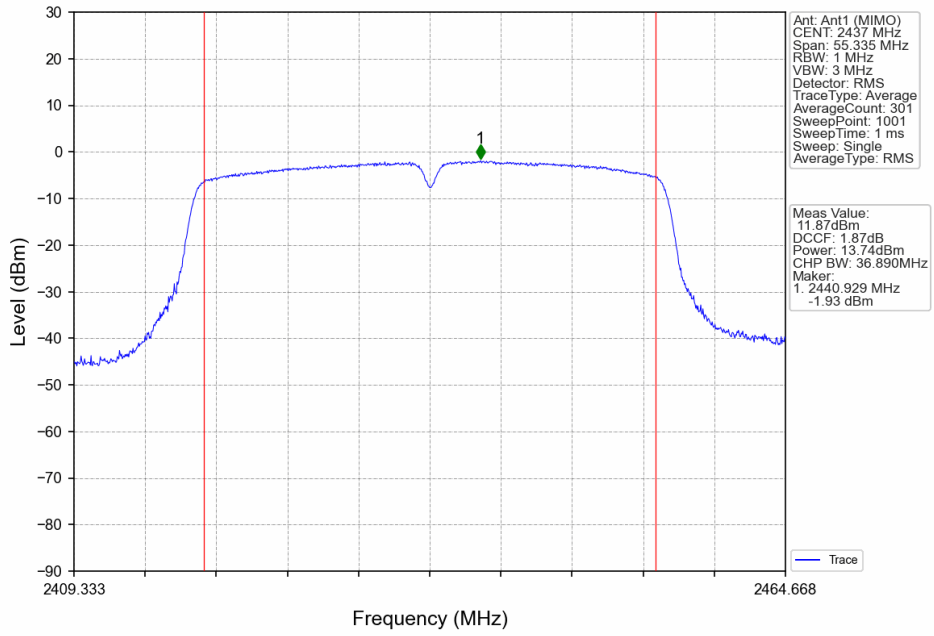
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



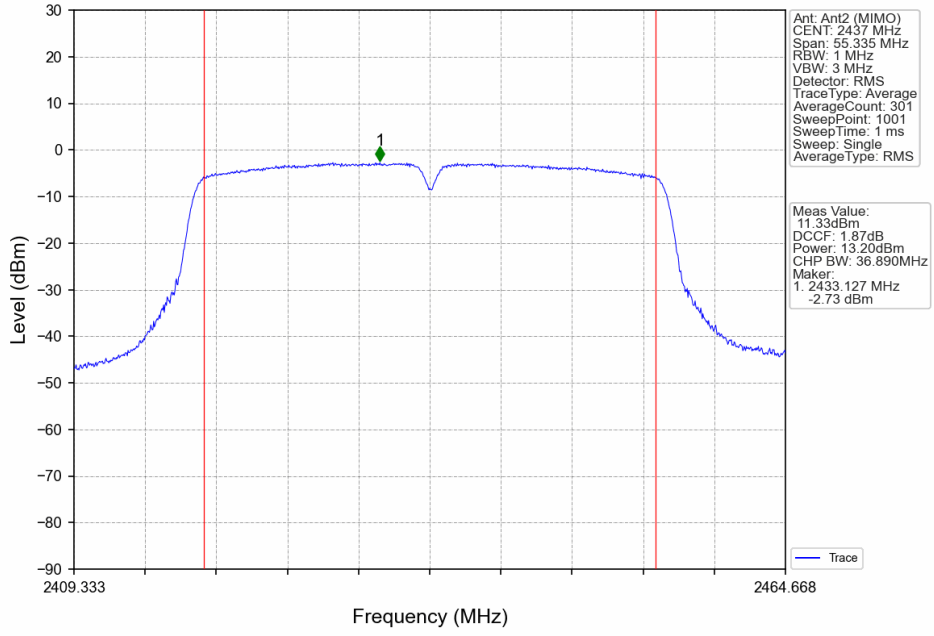
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



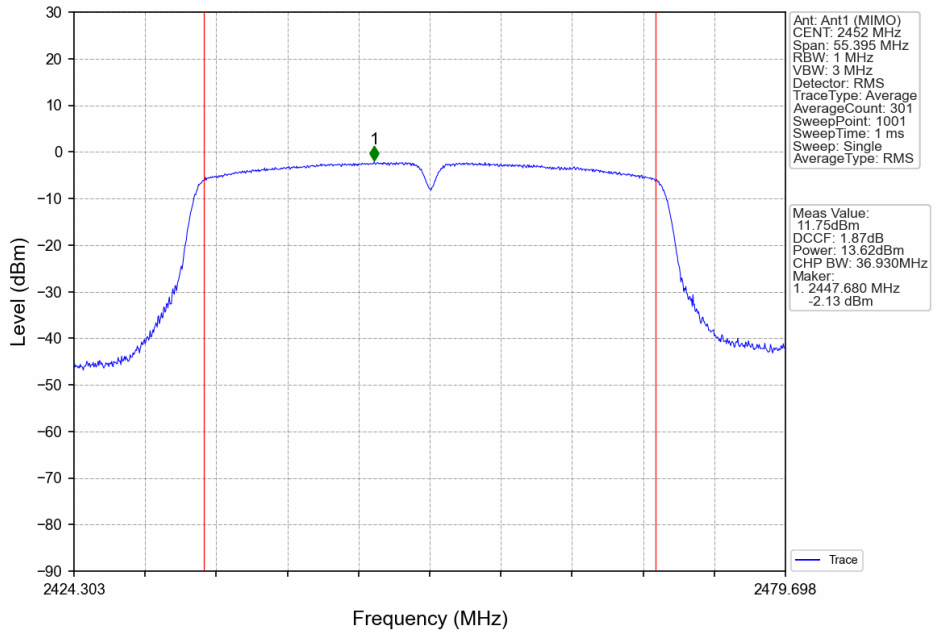
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



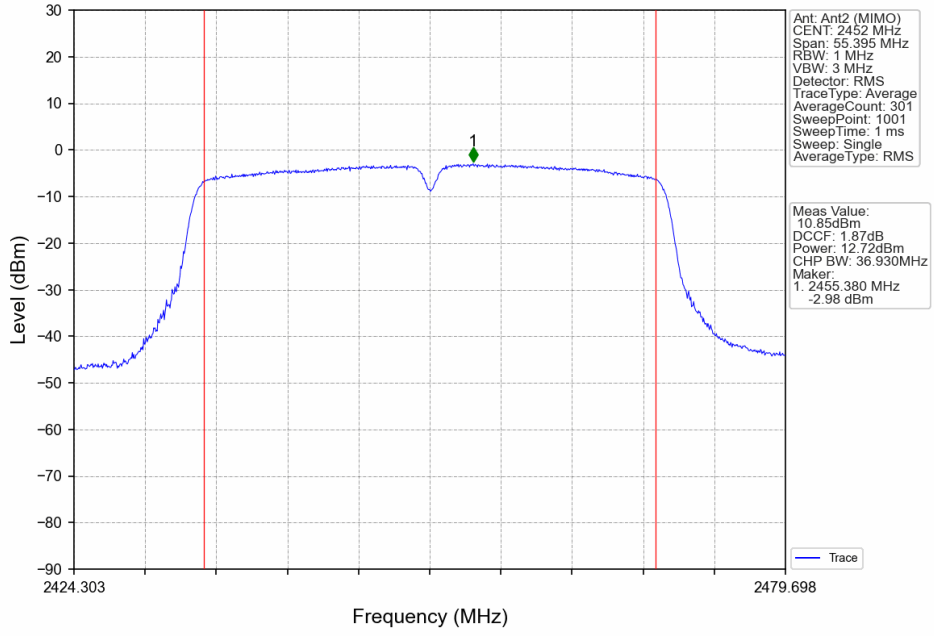
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



3. Maximum Power Spectral Density

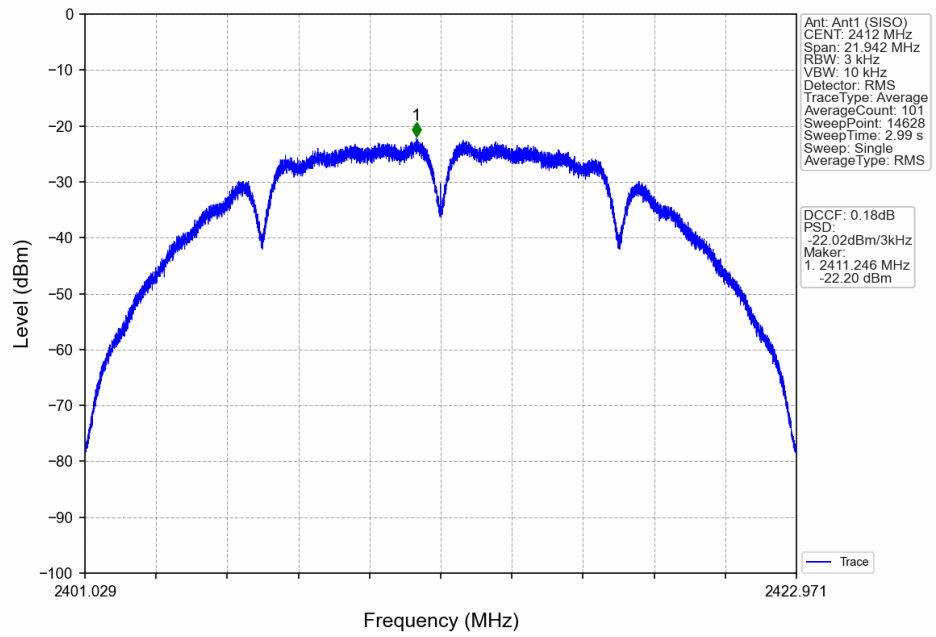
3.1 PSD

3.1.1 Test Result

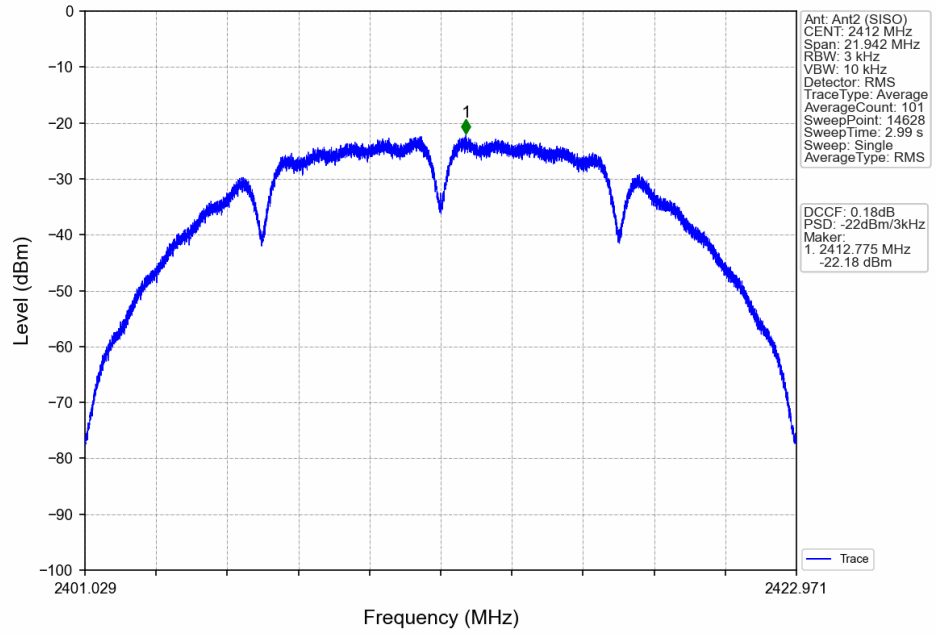
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-22.02	-22.00	/	<=8	Pass
		2437	-21.46	-21.55	/	<=8	Pass
		2462	-21.90	-21.68	/	<=8	Pass
802.11g	SISO	2412	-18.35	-18.59	/	<=8	Pass
		2437	-17.74	-17.73	/	<=8	Pass
		2462	-18.01	-18.16	/	<=8	Pass
802.11n (HT20)	SISO	2412	-18.09	-18.53	/	<=8	Pass
		2437	-17.79	-18.29	/	<=8	Pass
		2462	-18.34	-18.89	/	<=8	Pass
802.11n (HT40)	SISO	2422	-18.80	-19.90	/	<=8	Pass
		2437	-18.50	-17.08	/	<=8	Pass
		2452	-19.49	-20.02	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-19.30	-18.88	-16.86	<=8	Pass
		2437	-19.32	-18.06	-16.87	<=8	Pass
		2462	-18.92	-18.87	-17.13	<=8	Pass
802.11n (HT40)	MIMO	2422	-18.77	-19.08	-15.91	<=8	Pass
		2437	-18.50	-19.24	-15.99	<=8	Pass
		2452	-19.14	-18.63	-15.87	<=8	Pass
Note1: Antenna Gain: Ant1: 2.50dBi; Ant2: 2.50dBi; Note2: Directional Gain: 5.5dBi							

3.1.2 Test Graph

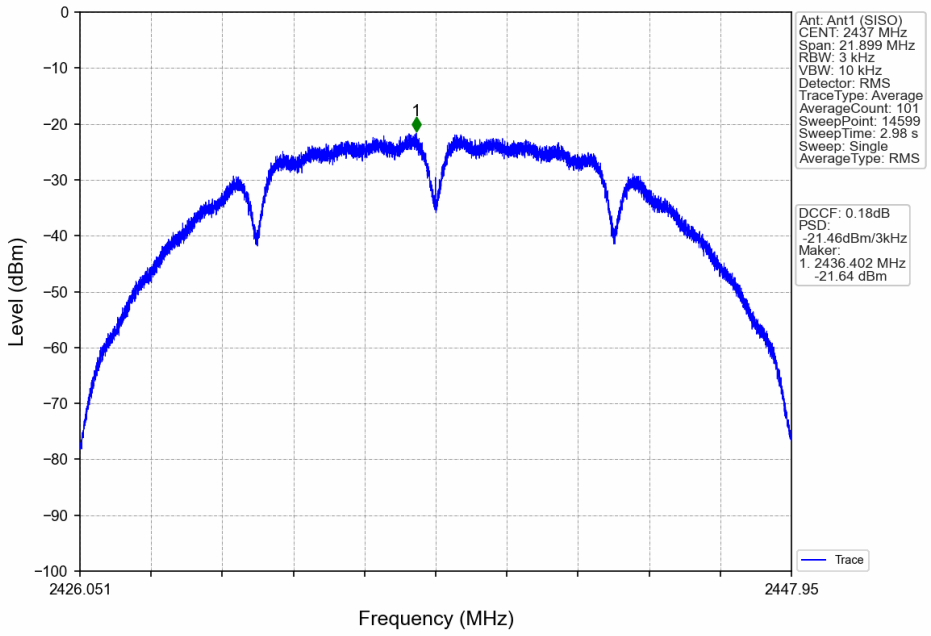
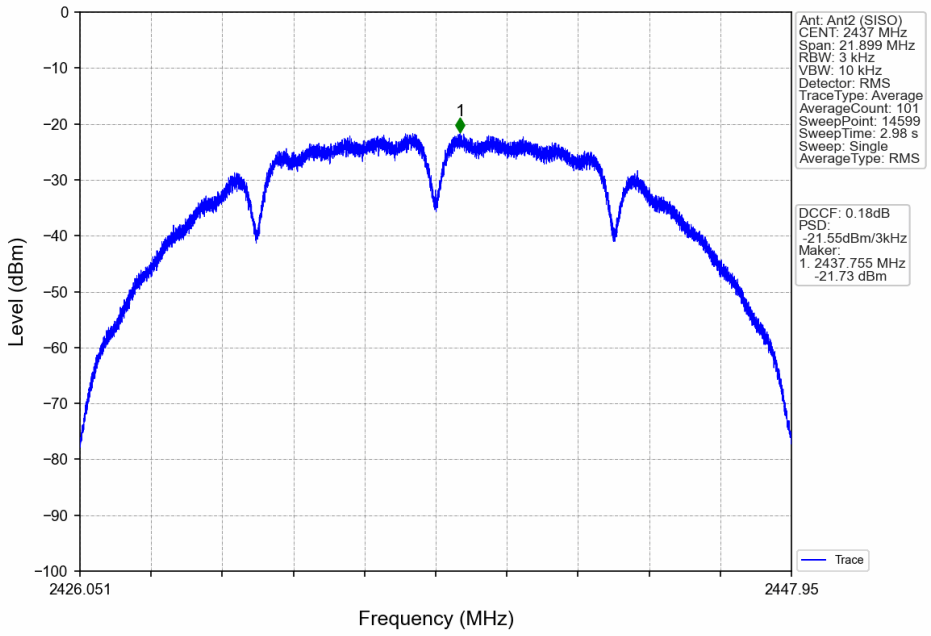
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV