

1. Duty Cycle

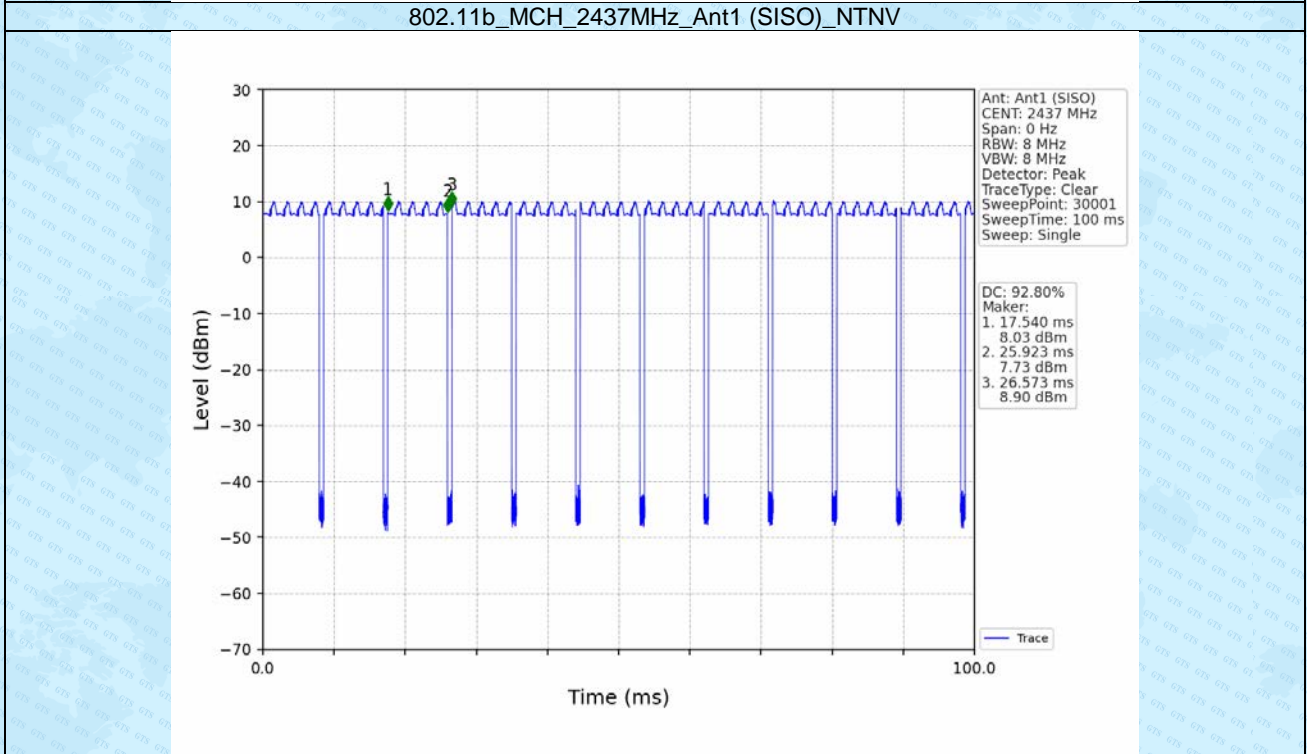
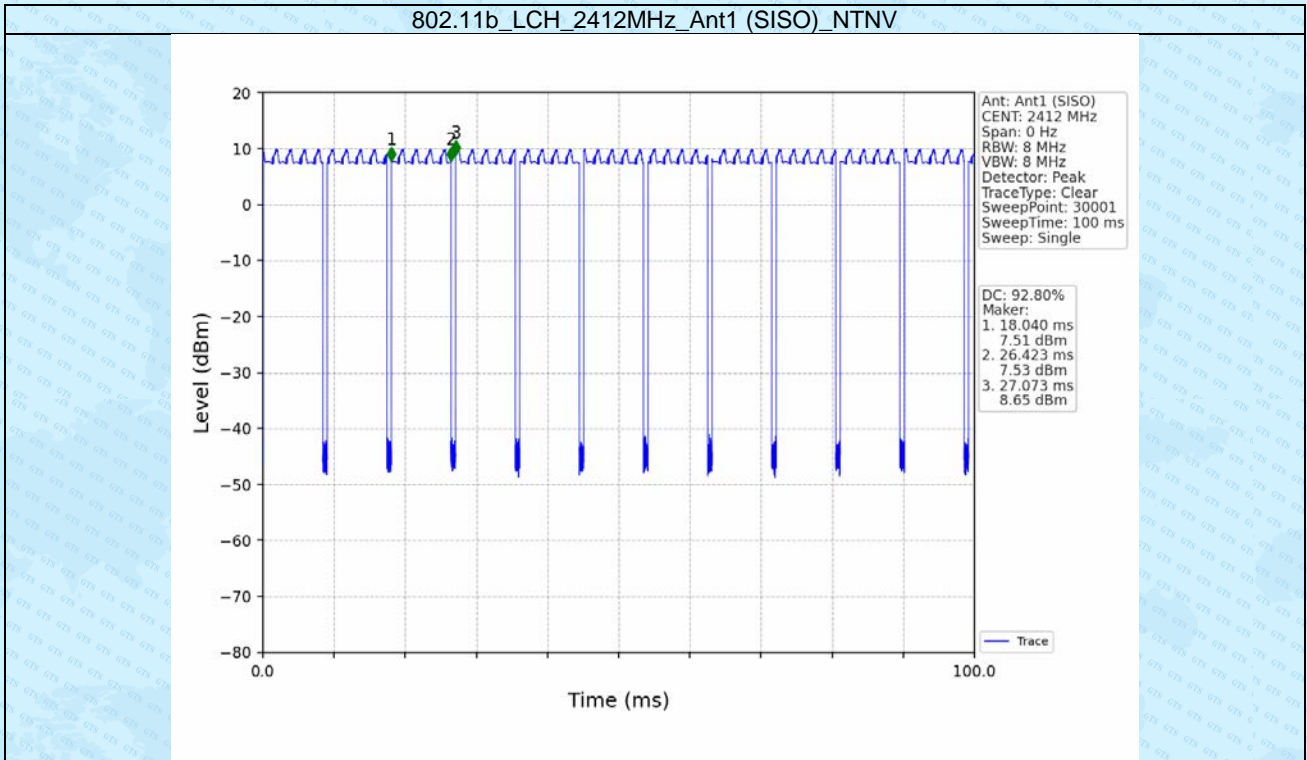
1.1 Ant1

1.1.1 Test Result

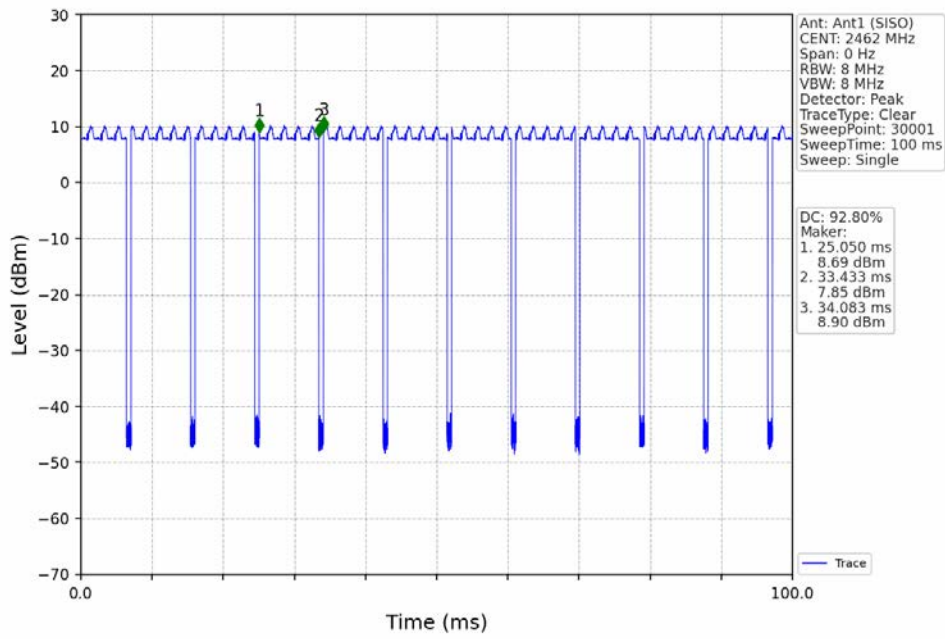
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant1			Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
					T_on (ms)	Period (ms)				
802.11b	SISO	2412	/	/	8.383	9.033	92.80	0.32	0.31	
		2437	/	/	8.383	9.033	92.80	0.32	0.31	
		2462	/	/	8.383	9.033	92.80	0.32	0.31	
802.11g	SISO	2412	/	/	1.392	2.066	67.38	1.71	1.82	
		2437	/	/	1.393	2.040	68.28	1.66	0.96	
		2462	/	/	1.392	2.038	68.30	1.66	0.94	
802.11n (HT20)	MIMO	2412	/	/	1.289	1.927	66.89	1.75	1.93	
		2437	/	/	1.288	1.926	66.87	1.75	0.34	
		2462	/	/	1.289	1.926	66.93	1.74	0.36	
802.11n (HT40)	MIMO	2422	/	/	0.637	1.284	49.61	3.04	1.11	
		2437	/	/	0.636	1.283	49.57	3.05	1.11	
		2452	/	/	0.636	1.282	49.61	3.04	1.08	
802.11ax (HEW20)	MIMO	2412	RU242	Left	0.154	0.802	19.20	7.17	0.23	
		2437	RU242	Left	0.153	0.818	18.70	7.28	5.97	
		2462	RU242	Left	0.154	0.800	19.25	7.16	0.25	
802.11ax (HEW40)	MIMO	2422	RU484	Left	0.053	0.072	73.61	1.33	0.39	
		2437	RU484	Left	0.055	0.072	76.39	1.17	0.37	
		2452	RU484	Left	0.053	0.072	73.61	1.33	0.21	

Note: The duty cycle for two antennas were same, so only ant1 report

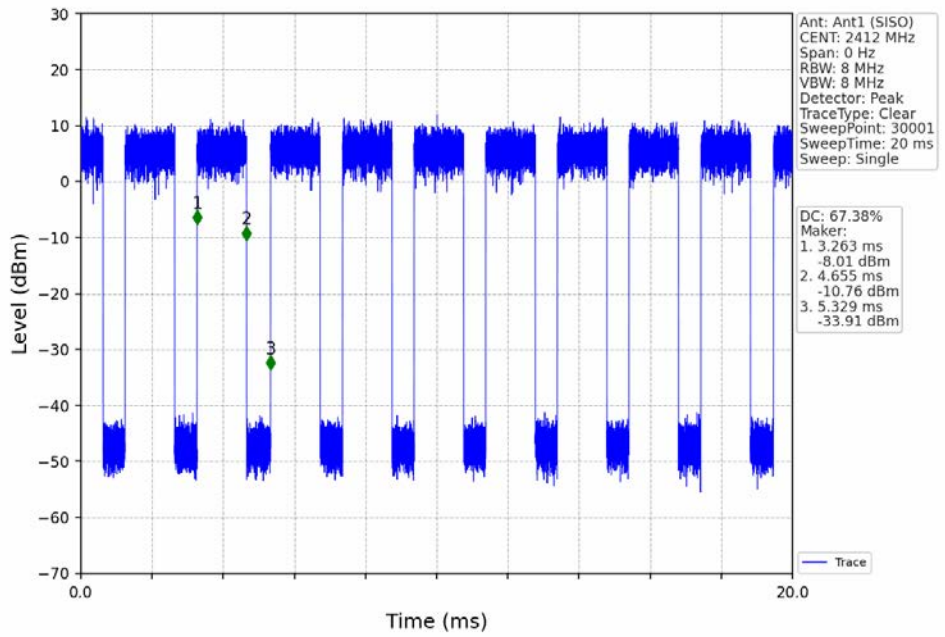
1.1.2 Test Graph



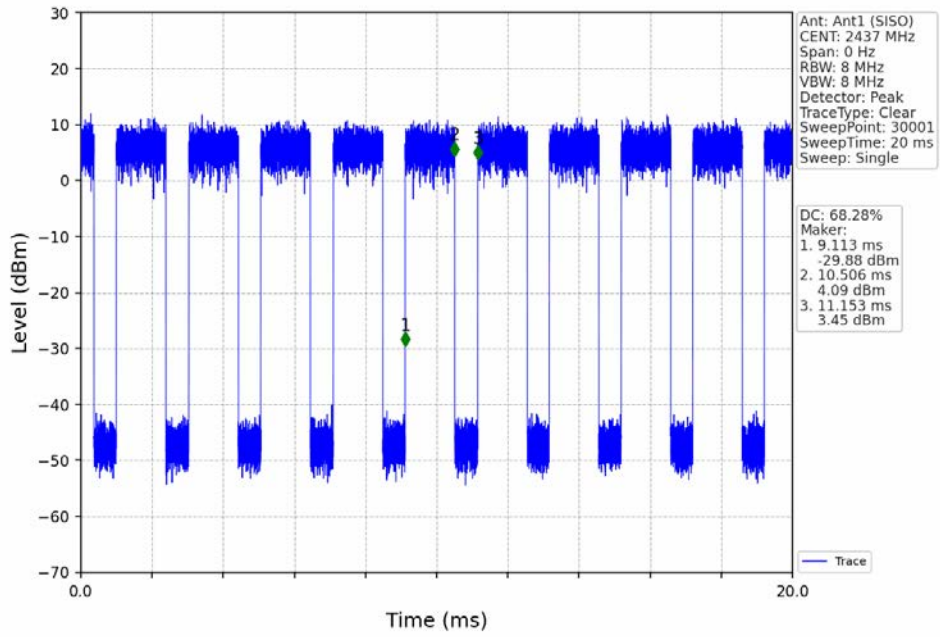
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



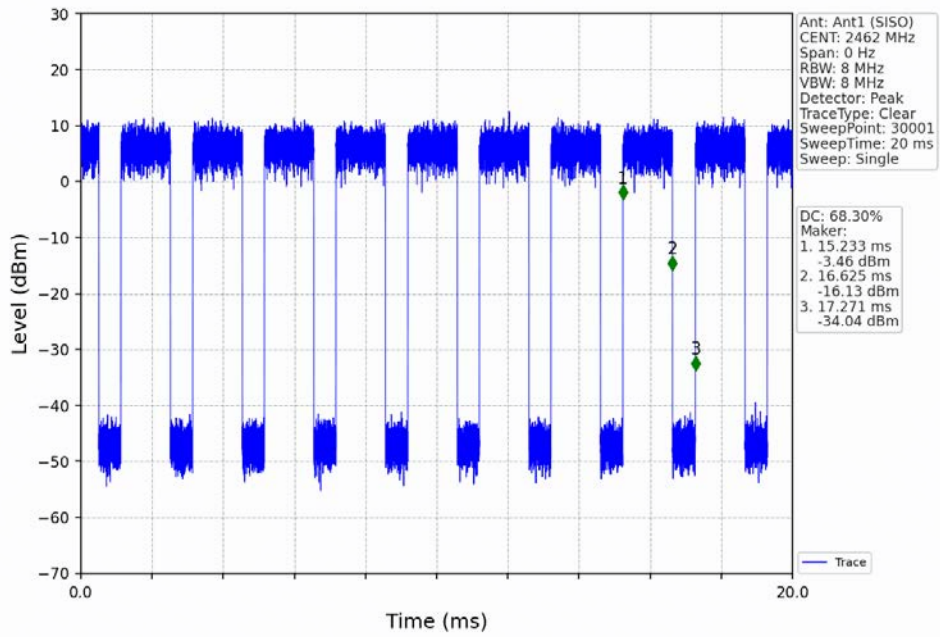
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



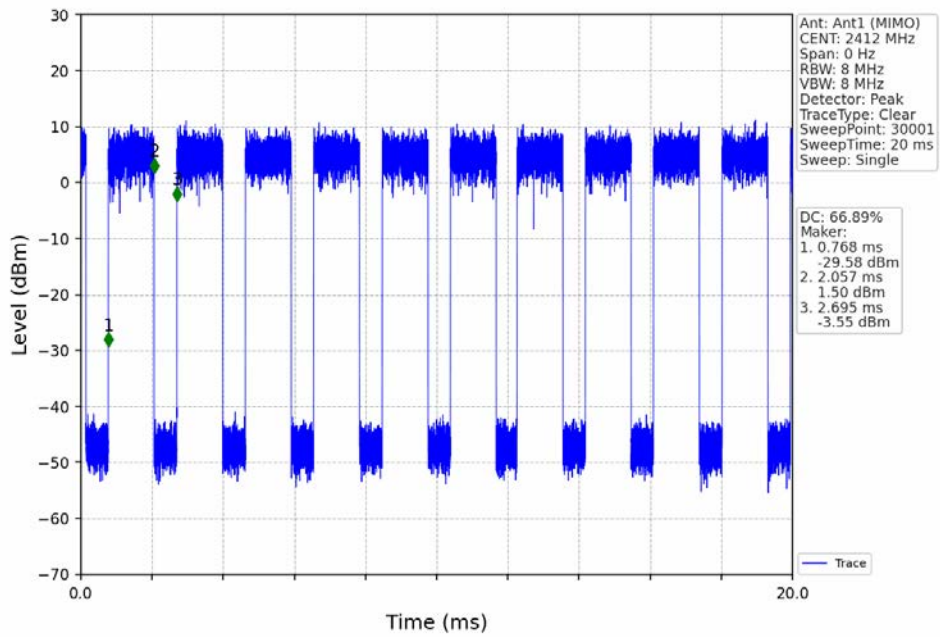
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



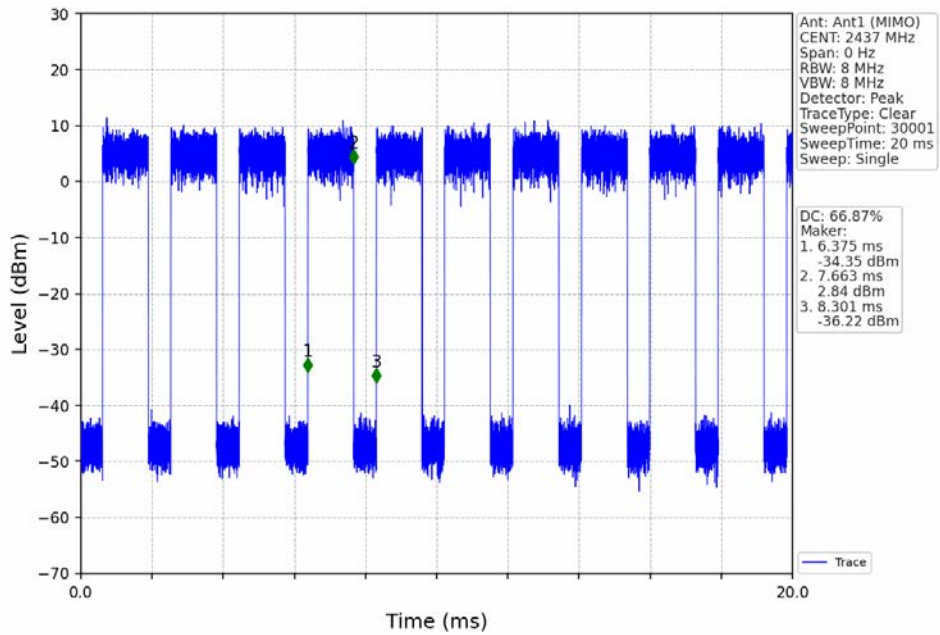
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



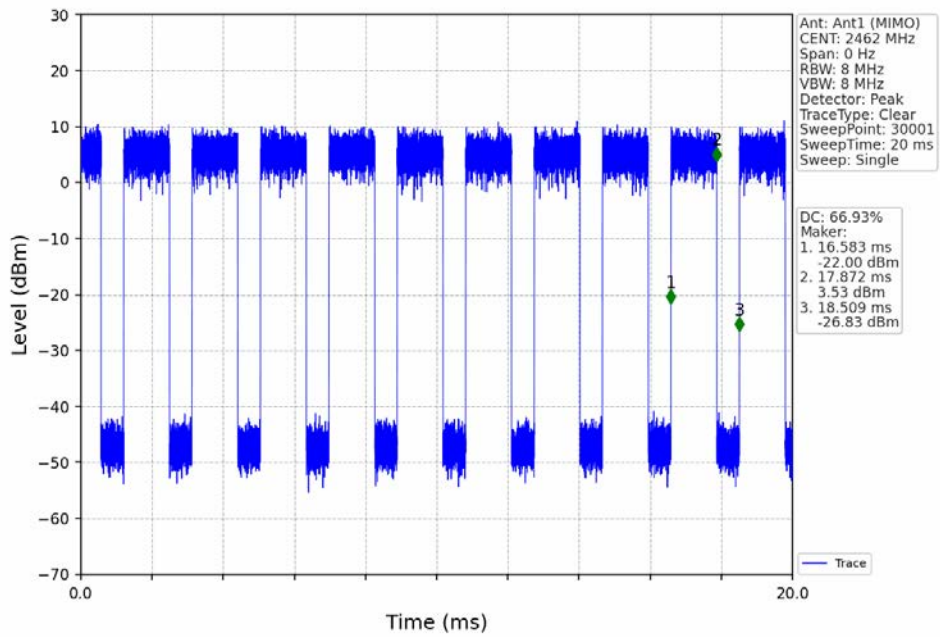
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



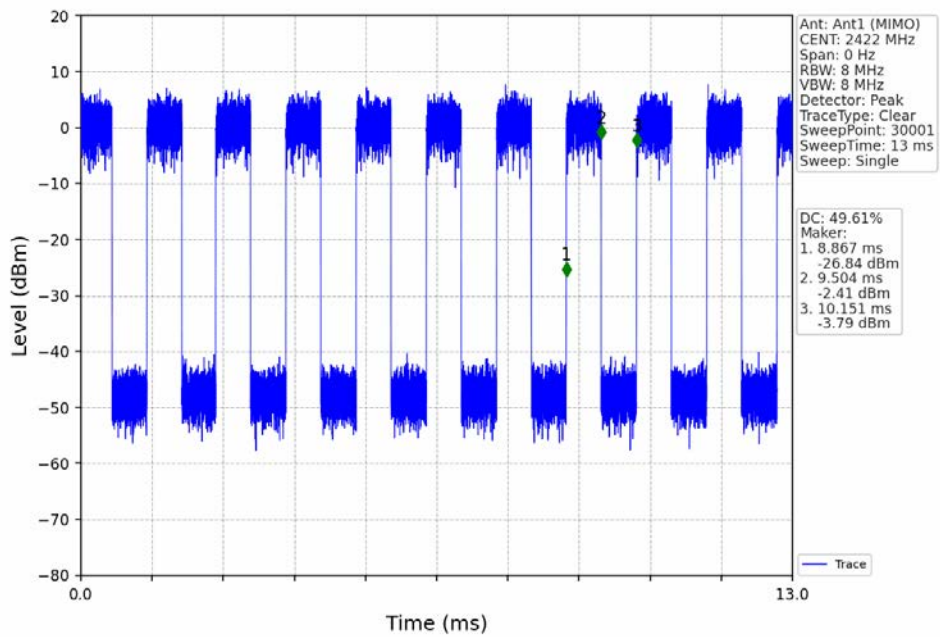
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



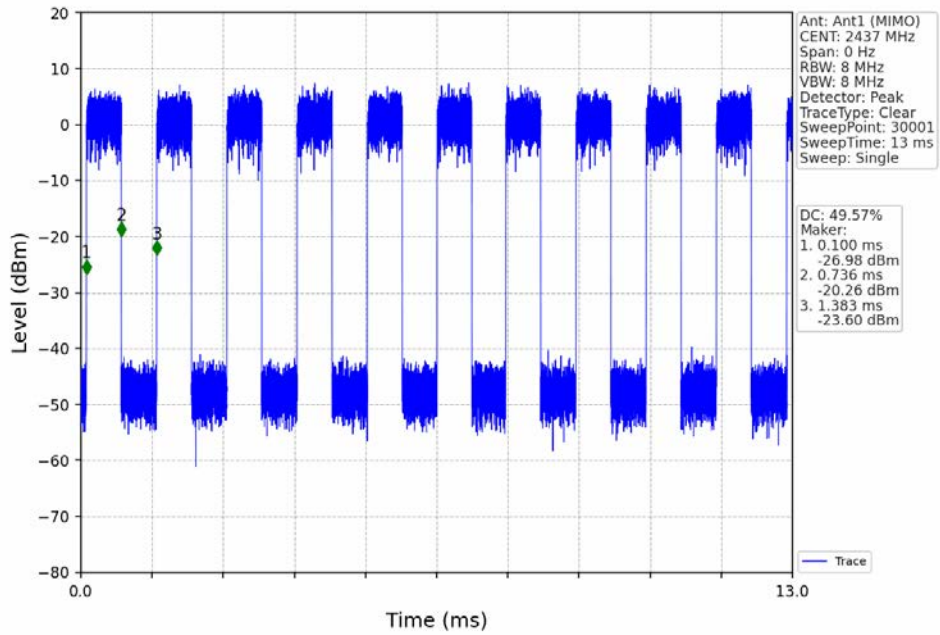
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



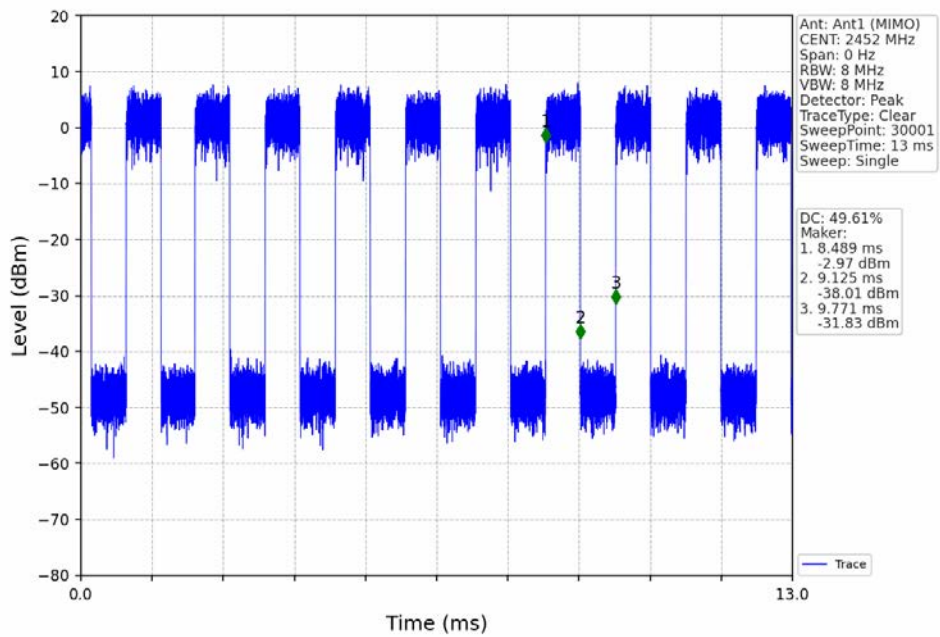
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



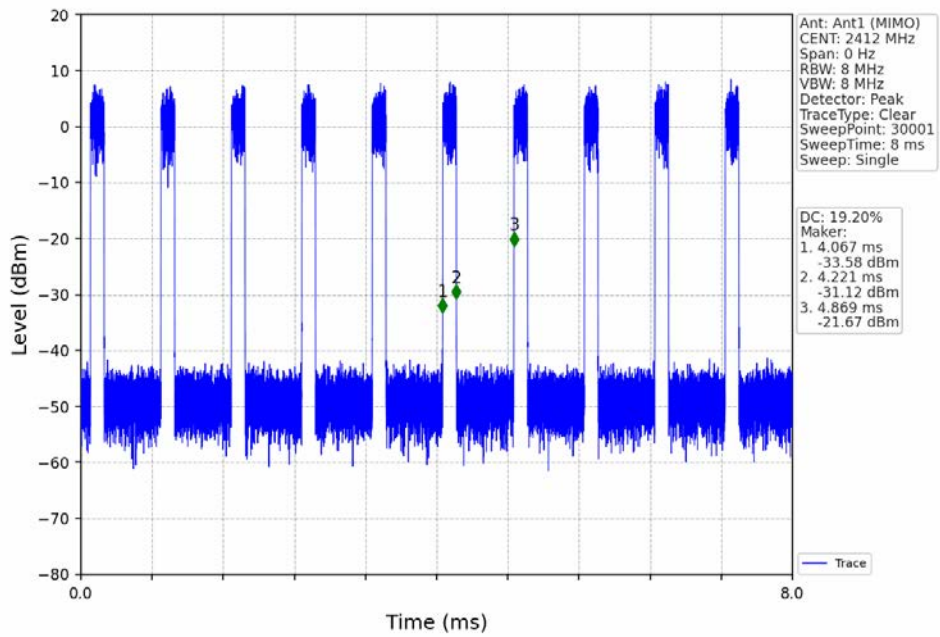
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



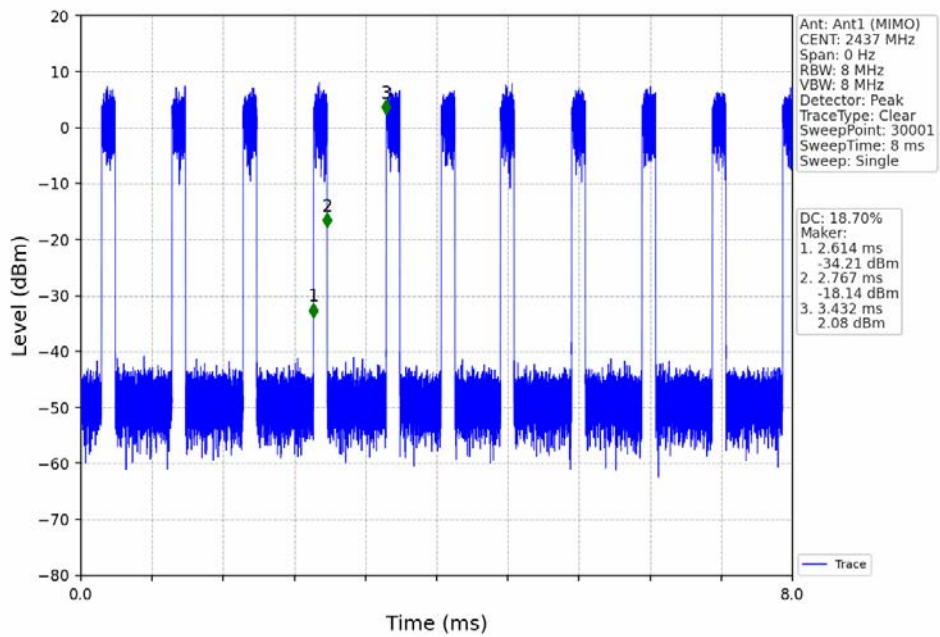
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



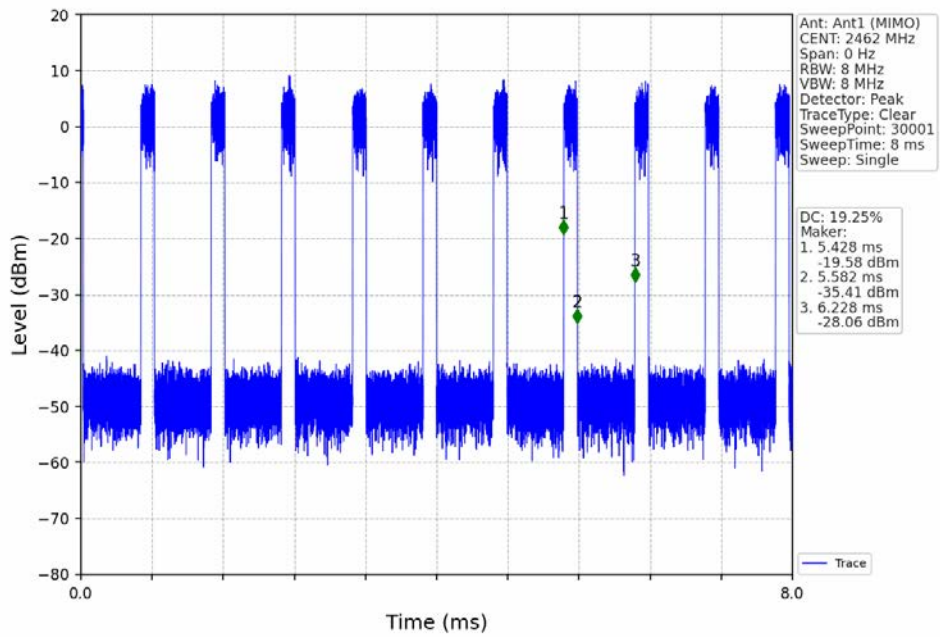
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



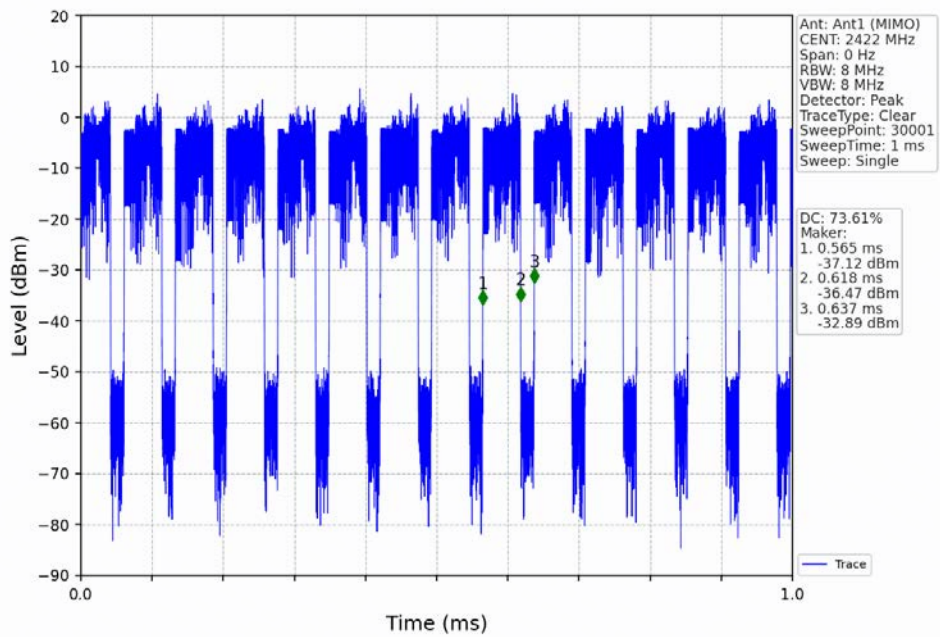
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



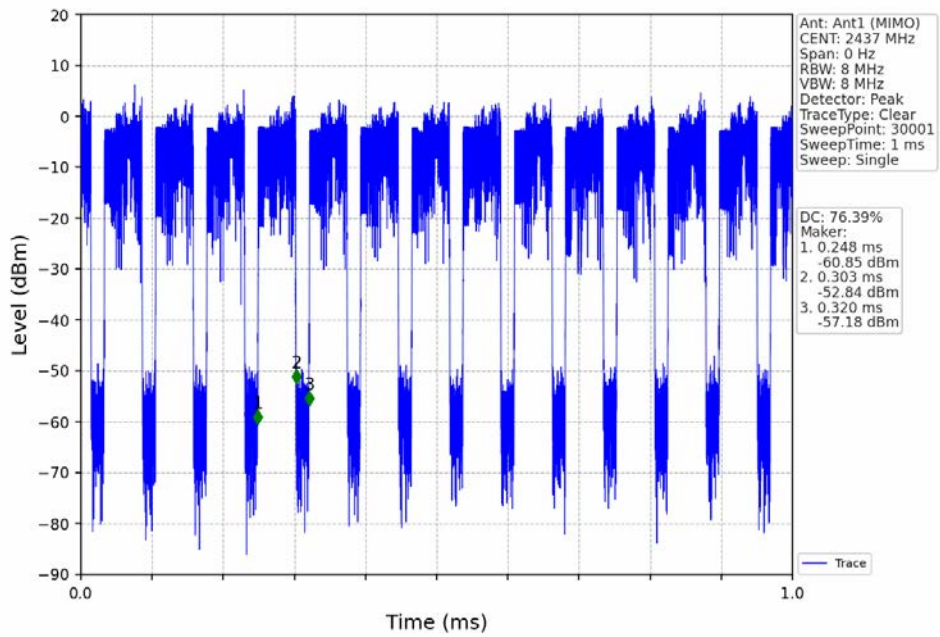
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNW



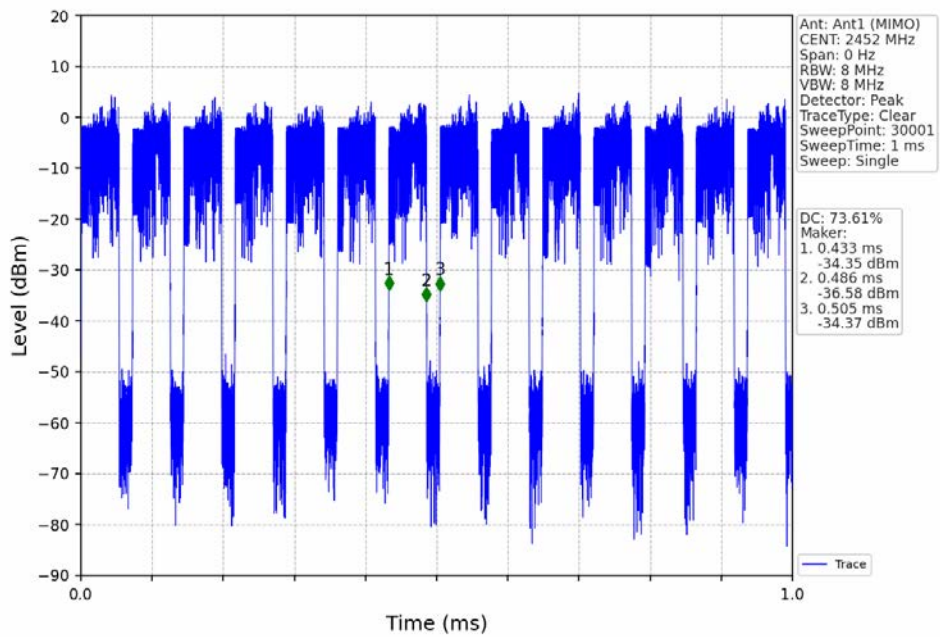
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNW



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



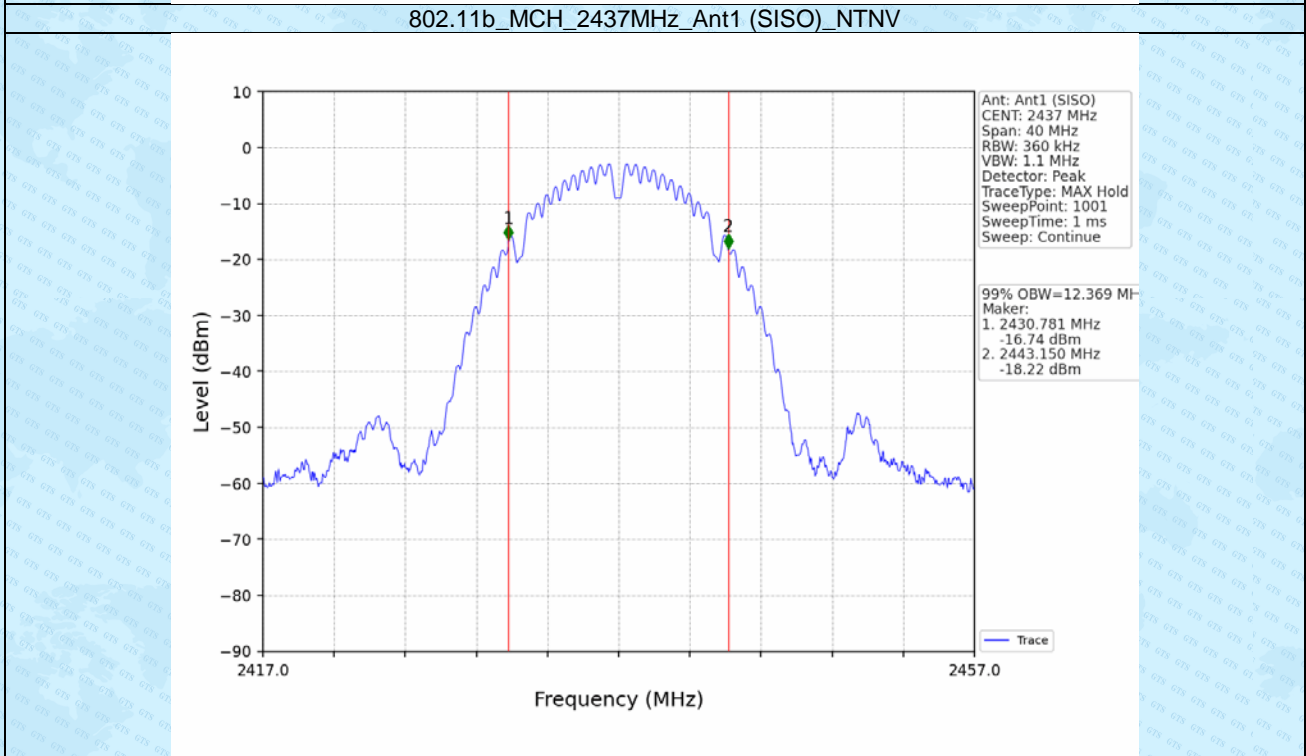
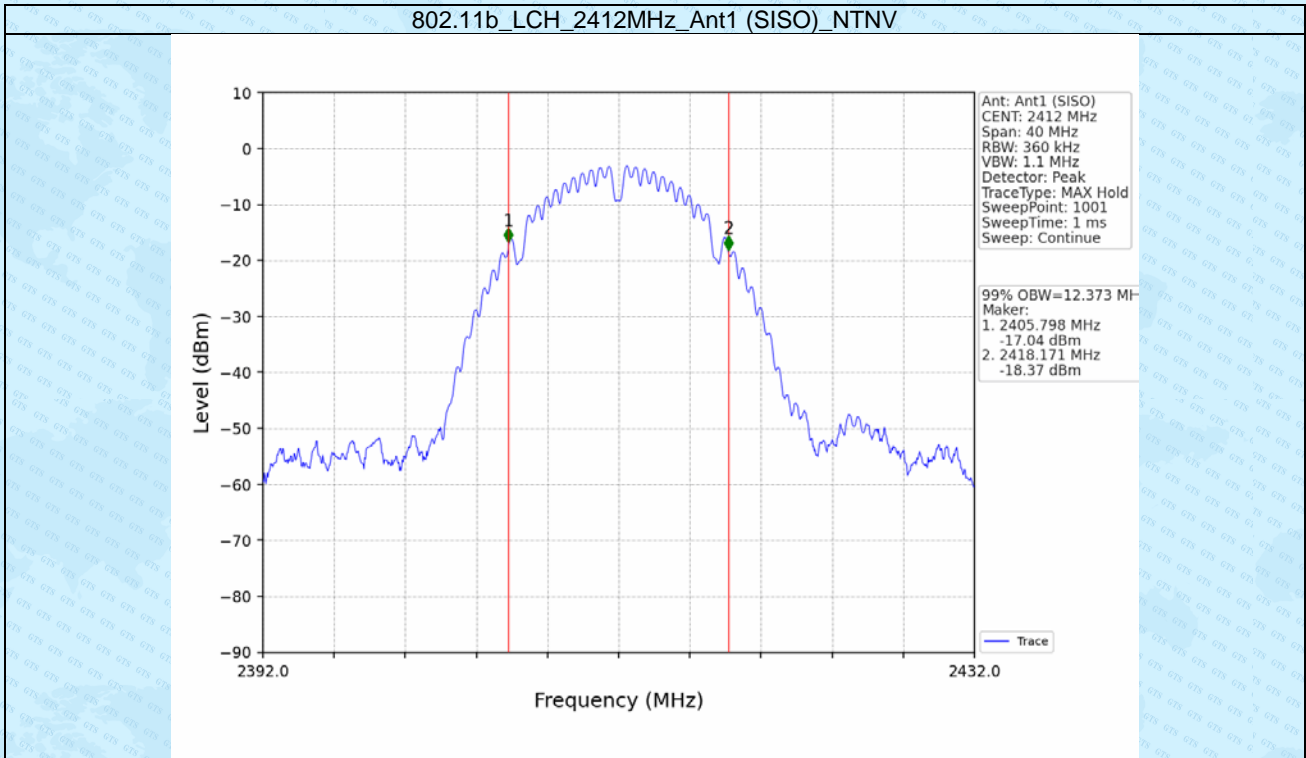
2. Bandwidth

2.1 OBW

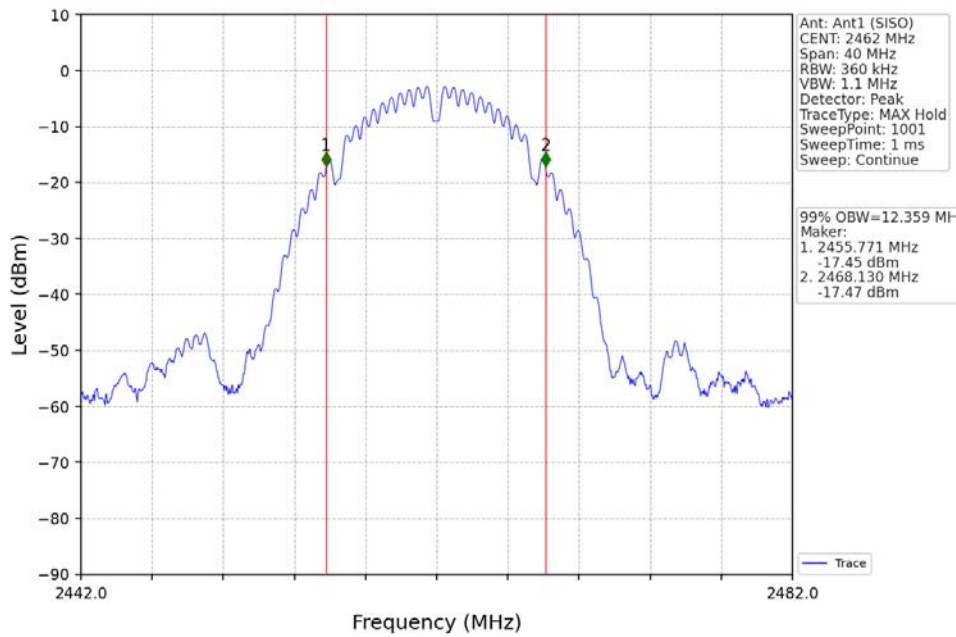
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result		
802.11b	SISO	2412	/	/	1	12.373		Pass
		2437	/	/	1	12.369		Pass
		2462	/	/	1	12.359		Pass
802.11g	SISO	2412	/	/	1	17.286		Pass
		2437	/	/	1	19.499		Pass
		2462	/	/	1	19.287		Pass
802.11n (HT20)	MIMO	2412	/	/	1	18.065		Pass
		2437	/	/	1	20.420		Pass
		2462	/	/	1	20.171		Pass
802.11n (HT40)	MIMO	2422	/	/	1	36.293		Pass
		2437	/	/	1	36.336		Pass
		2452	/	/	1	36.451		Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.930		Pass
		2437	RU242	Left	1	19.548		Pass
		2462	RU242	Left	1	19.577		Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	38.237		Pass
		2437	RU484	Left	1	38.193		Pass
		2452	RU484	Left	1	38.299		Pass

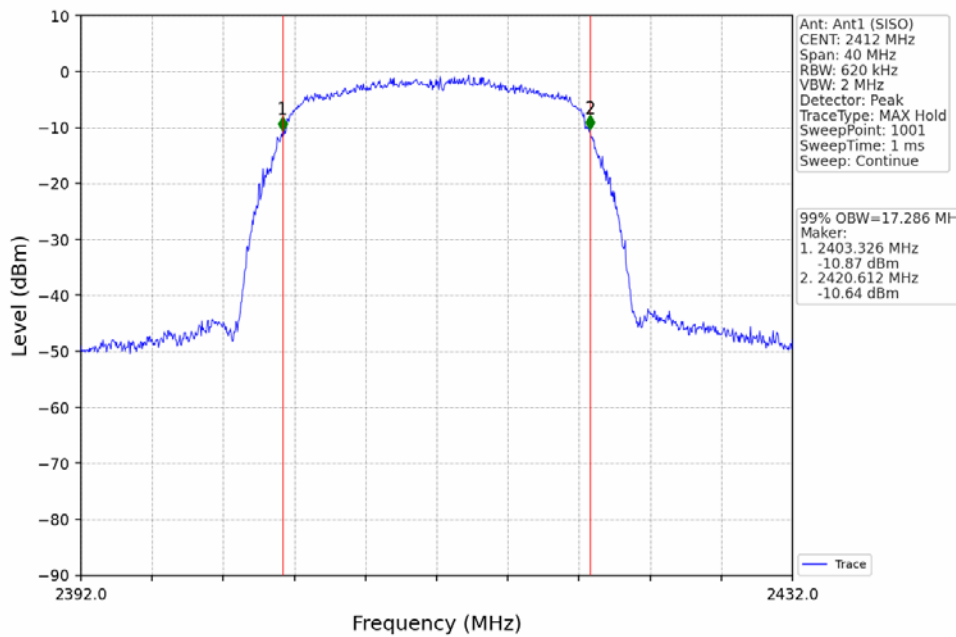
2.1.2 Test Graph



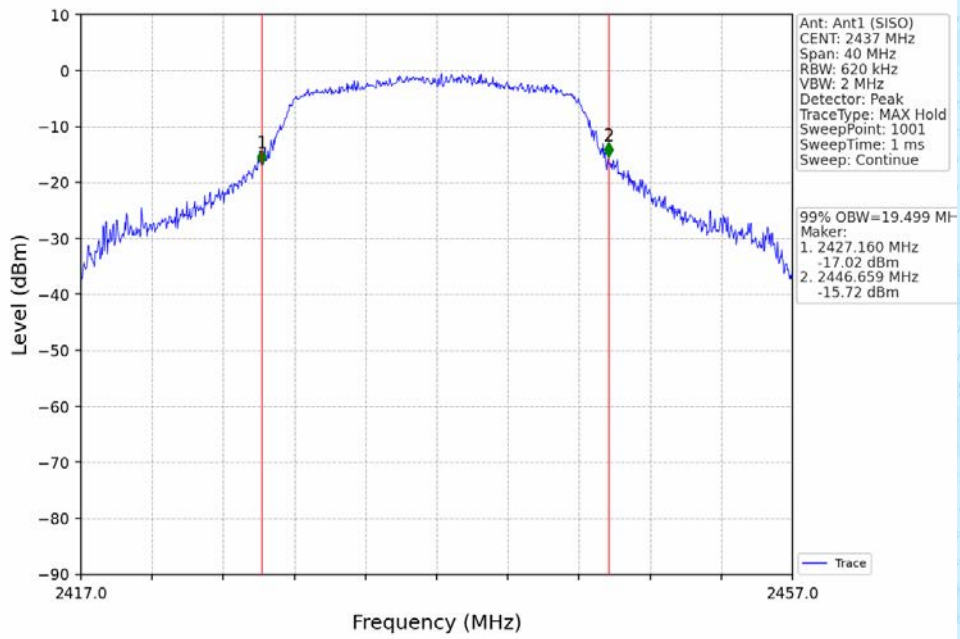
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



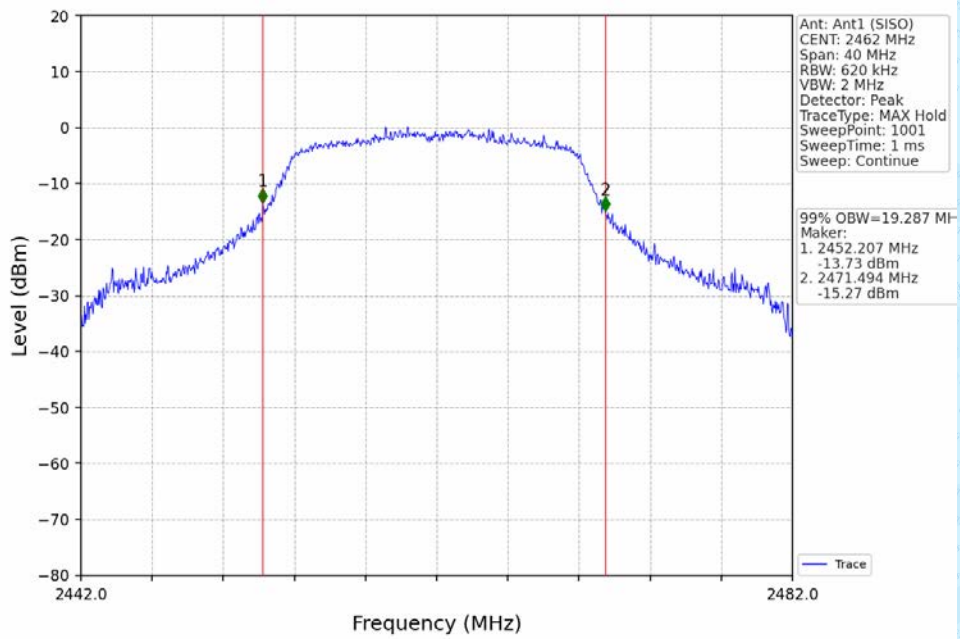
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



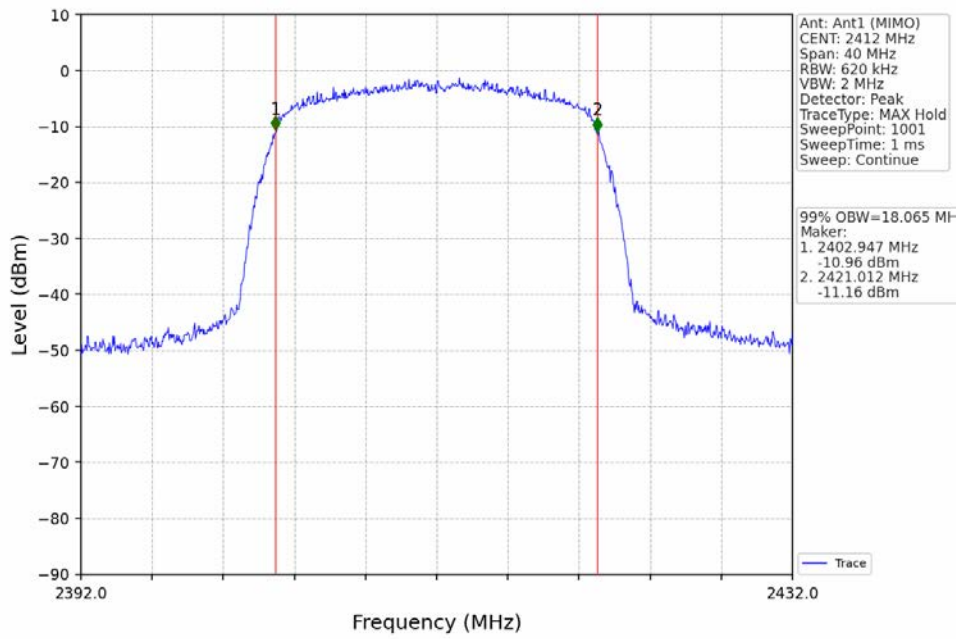
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



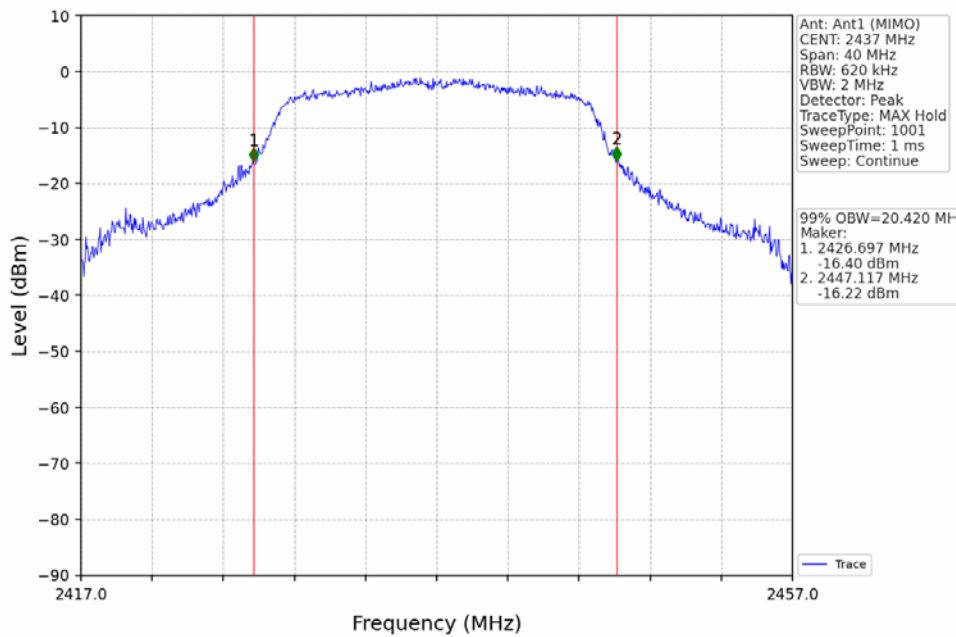
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



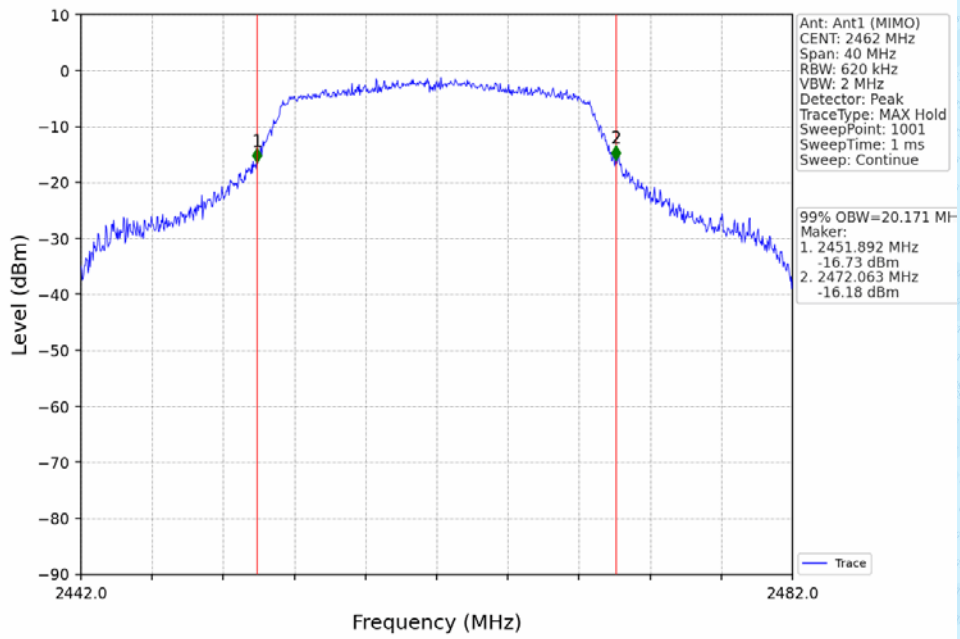
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



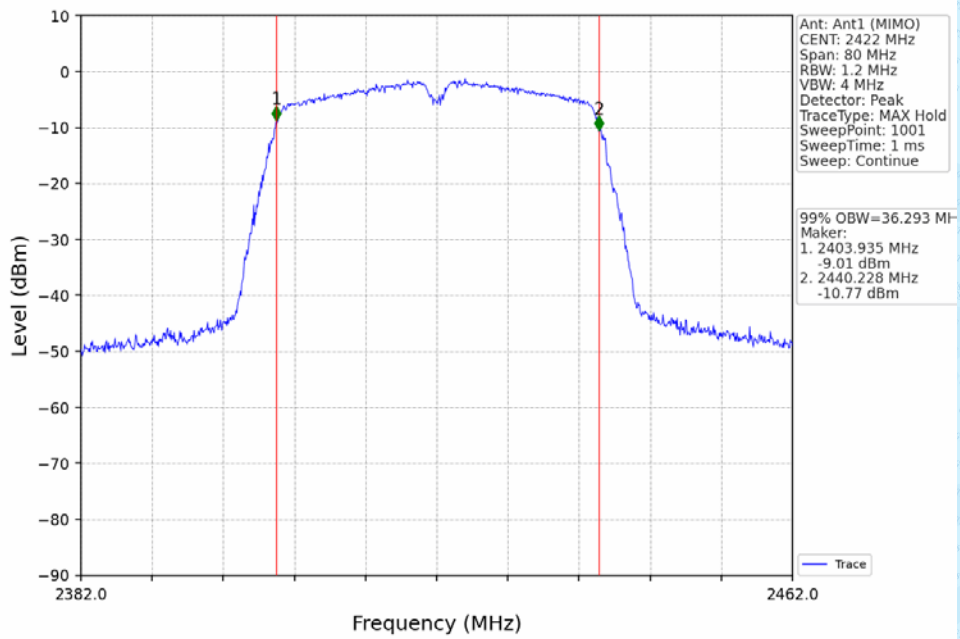
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



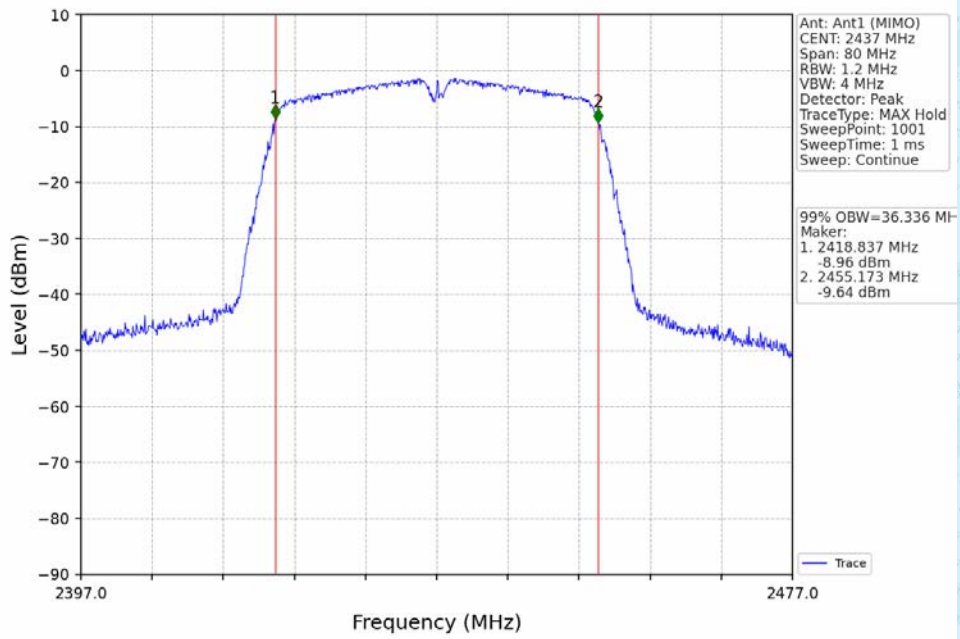
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



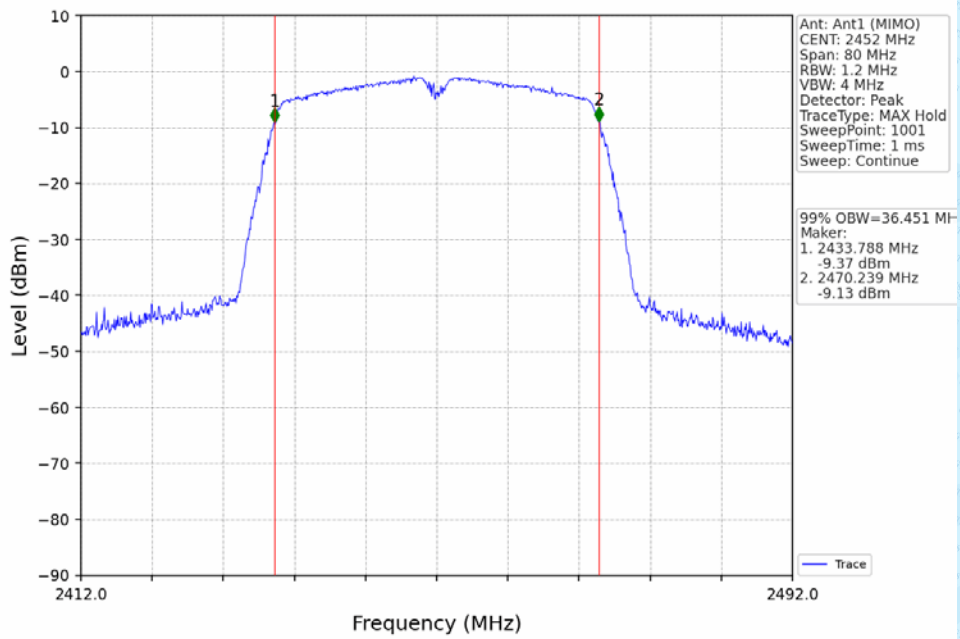
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



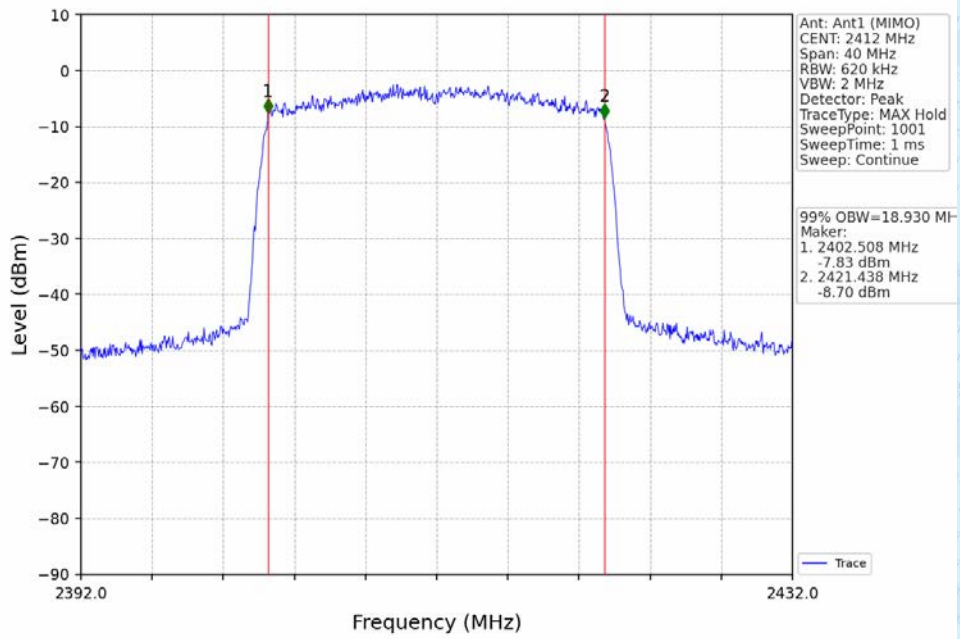
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



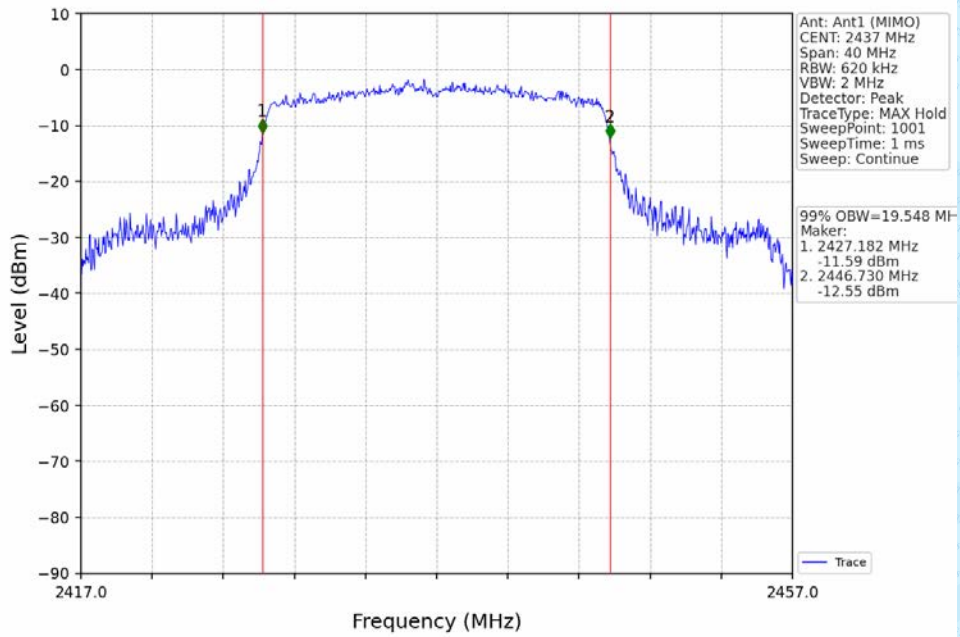
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



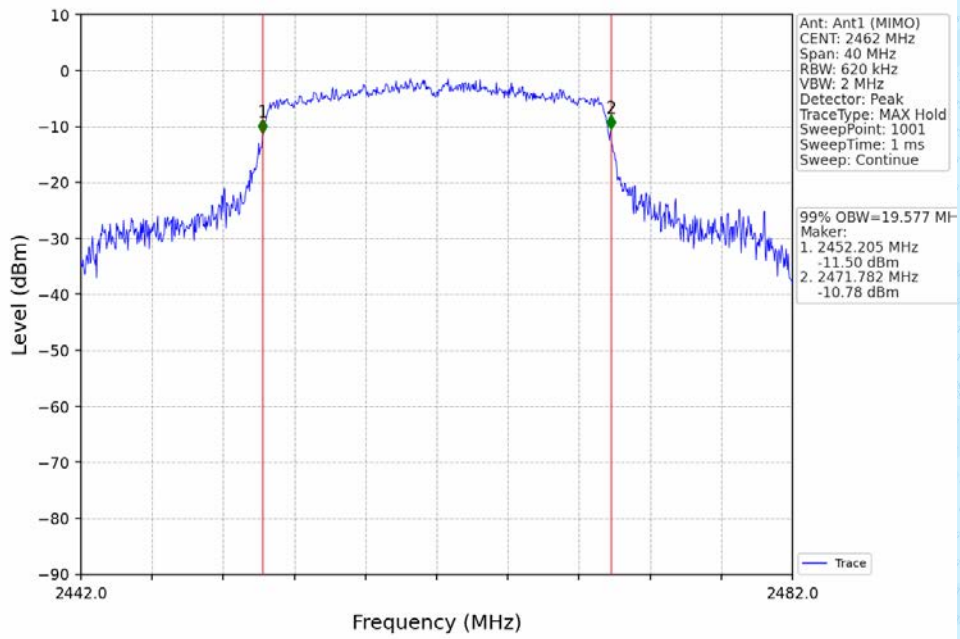
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



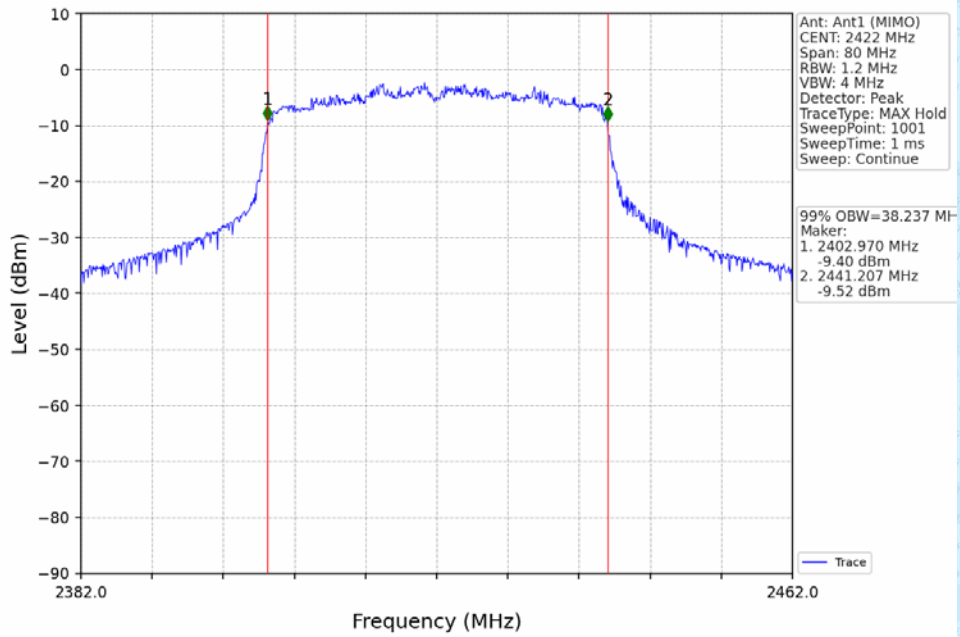
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



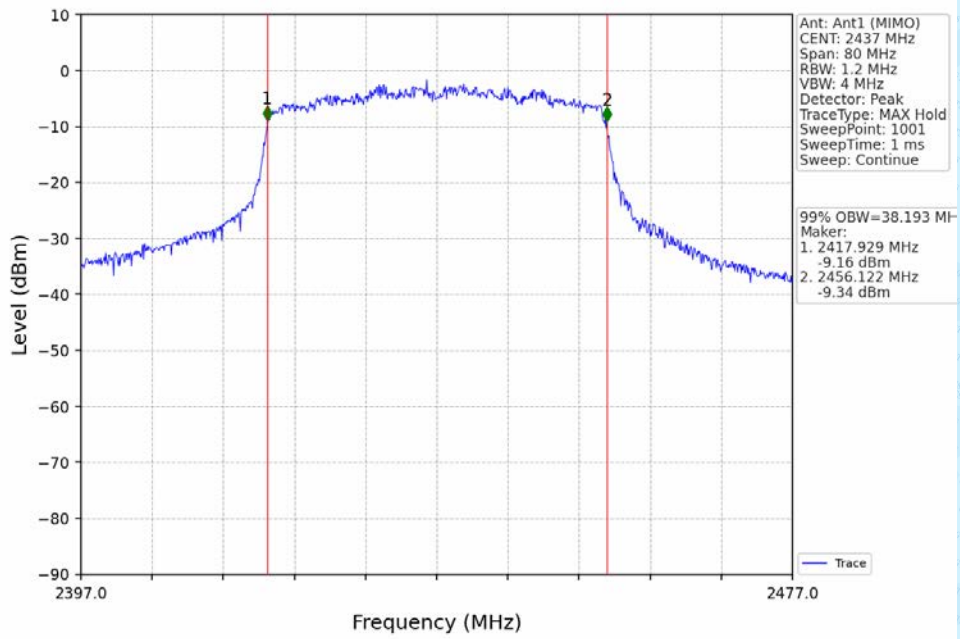
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



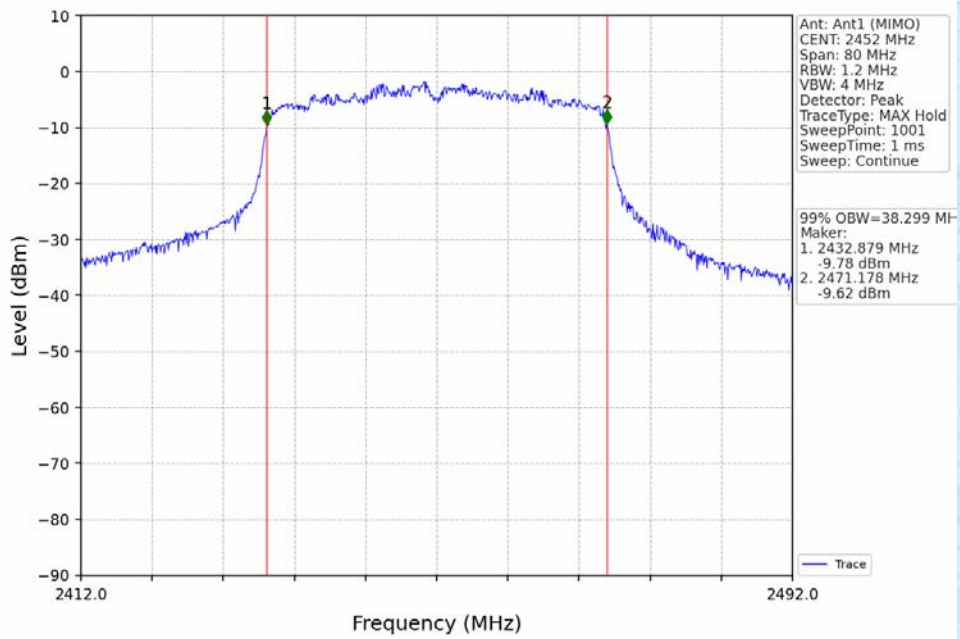
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV

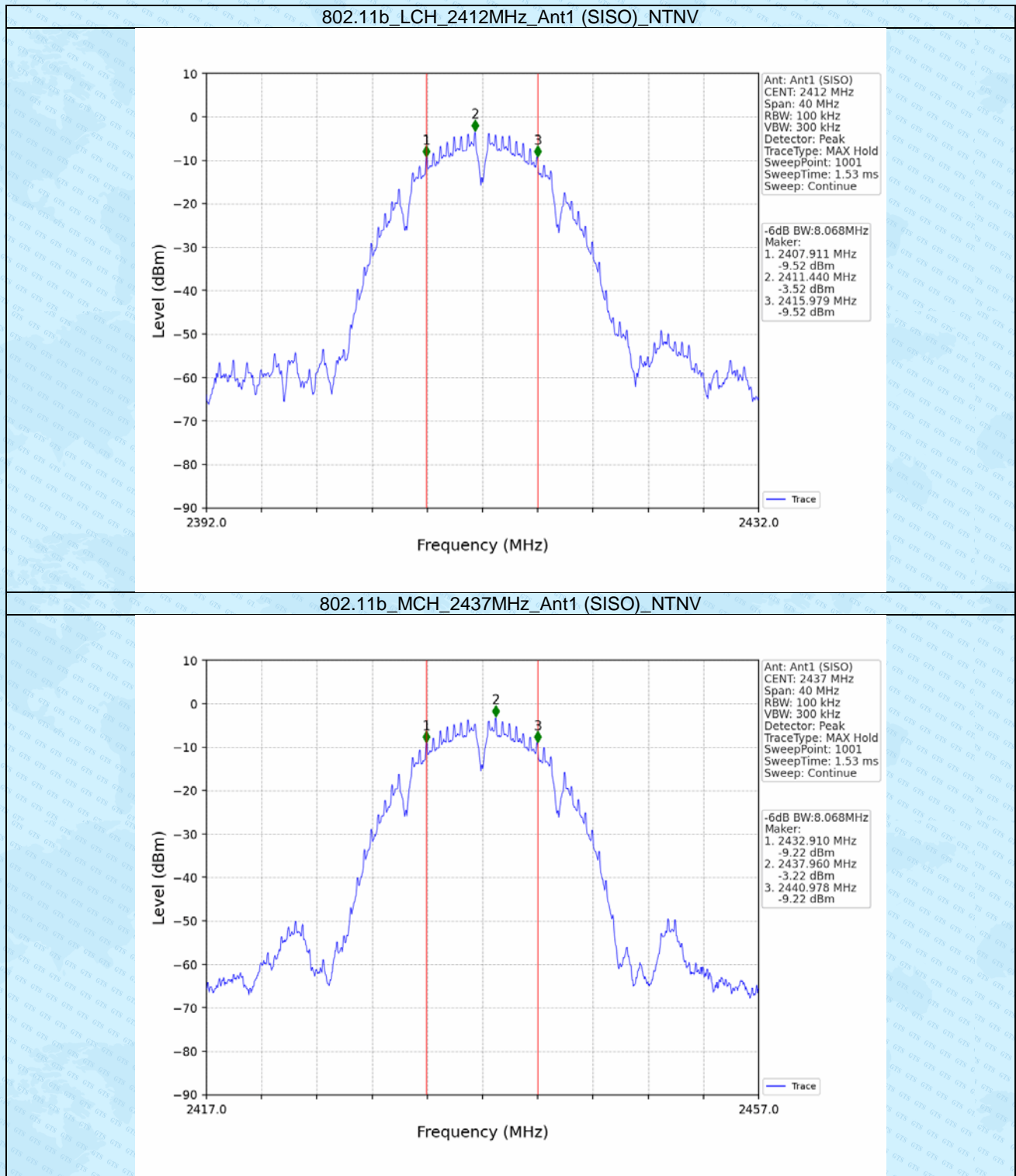


2.2 6dB BW

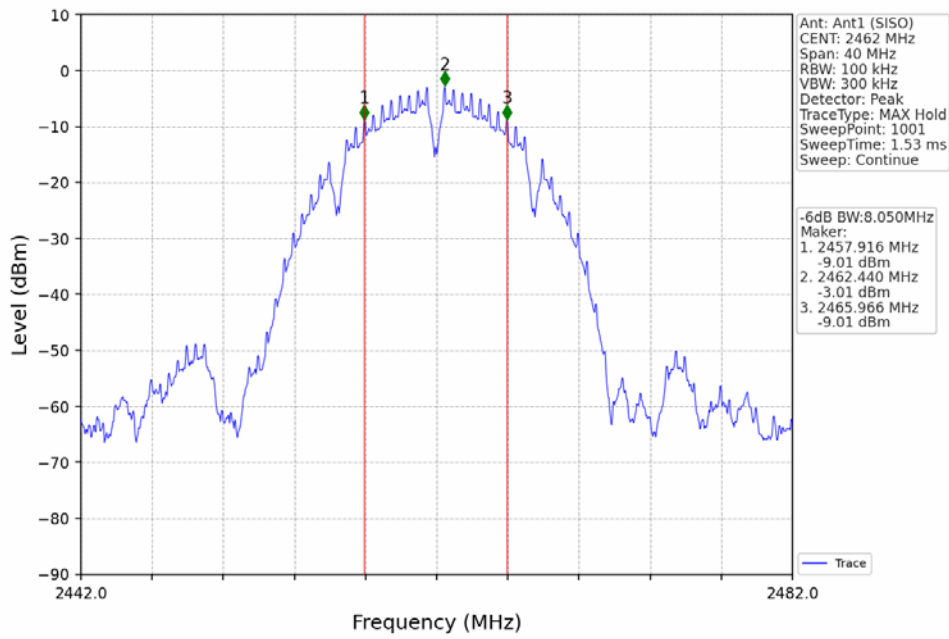
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.068	>=0.5	Pass
		2437	/	/	1	8.068	>=0.5	Pass
		2462	/	/	1	8.050	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.157	>=0.5	Pass
		2437	/	/	1	15.829	>=0.5	Pass
		2462	/	/	1	15.704	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	15.147	>=0.5	Pass
		2437	/	/	1	15.720	>=0.5	Pass
		2462	/	/	1	16.327	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	35.141	>=0.5	Pass
		2437	/	/	1	35.142	>=0.5	Pass
		2452	/	/	1	35.139	>=0.5	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.573	>=0.5	Pass
		2437	RU242	Left	1	18.966	>=0.5	Pass
		2462	RU242	Left	1	18.659	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	36.908	>=0.5	Pass
		2437	RU484	Left	1	36.943	>=0.5	Pass
		2452	RU484	Left	1	36.000	>=0.5	Pass

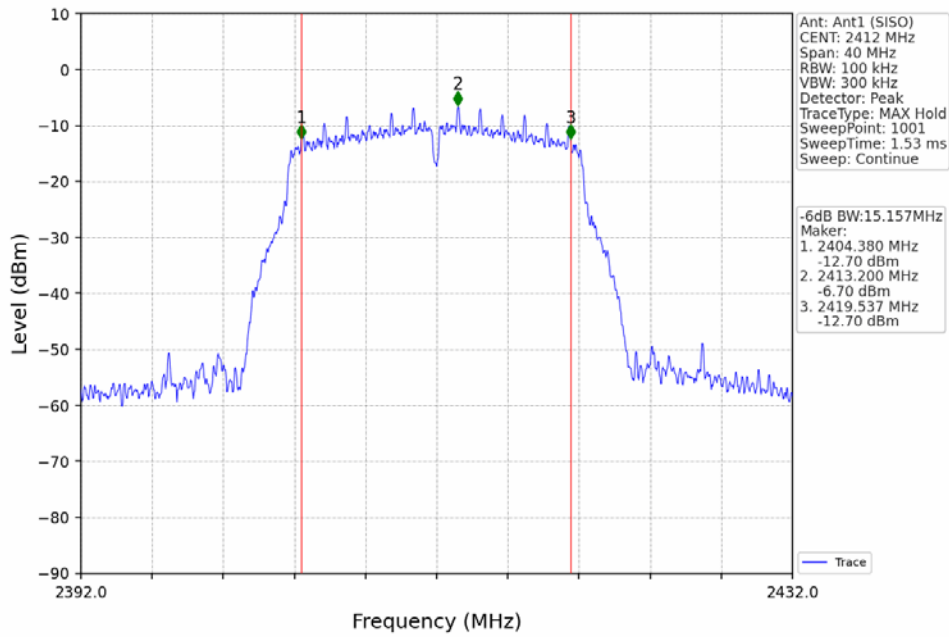
2.2.2 Test Graph



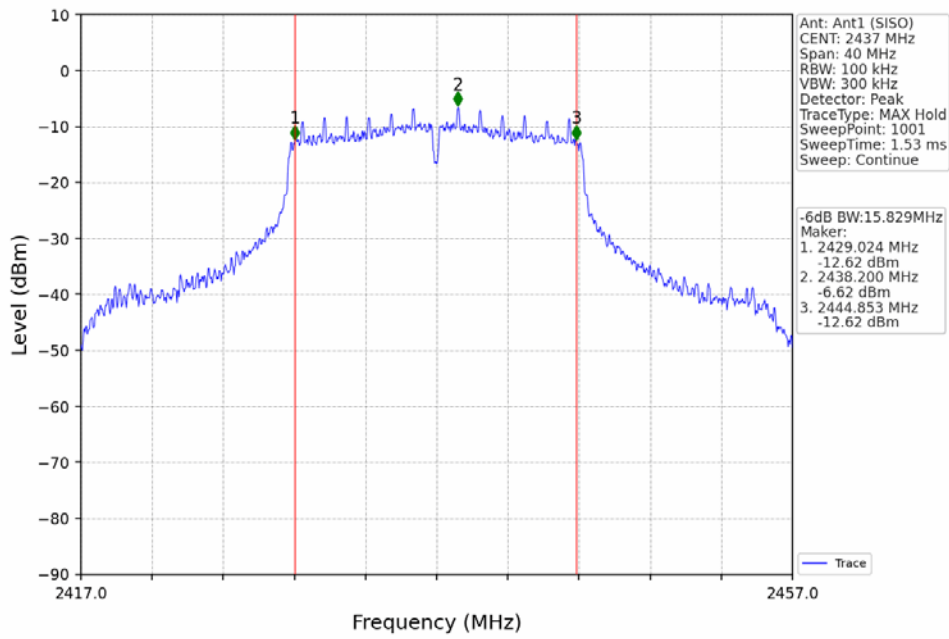
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



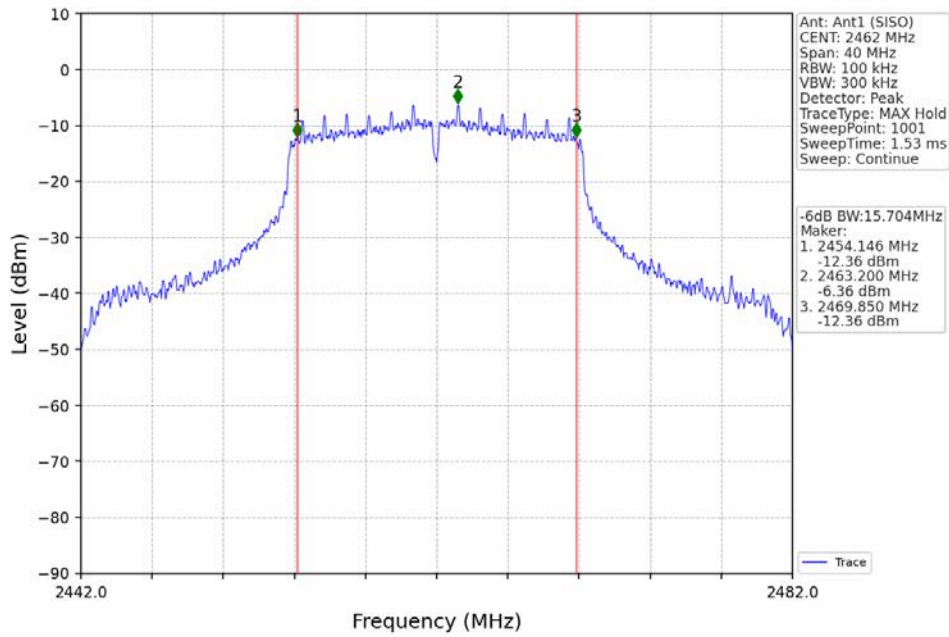
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



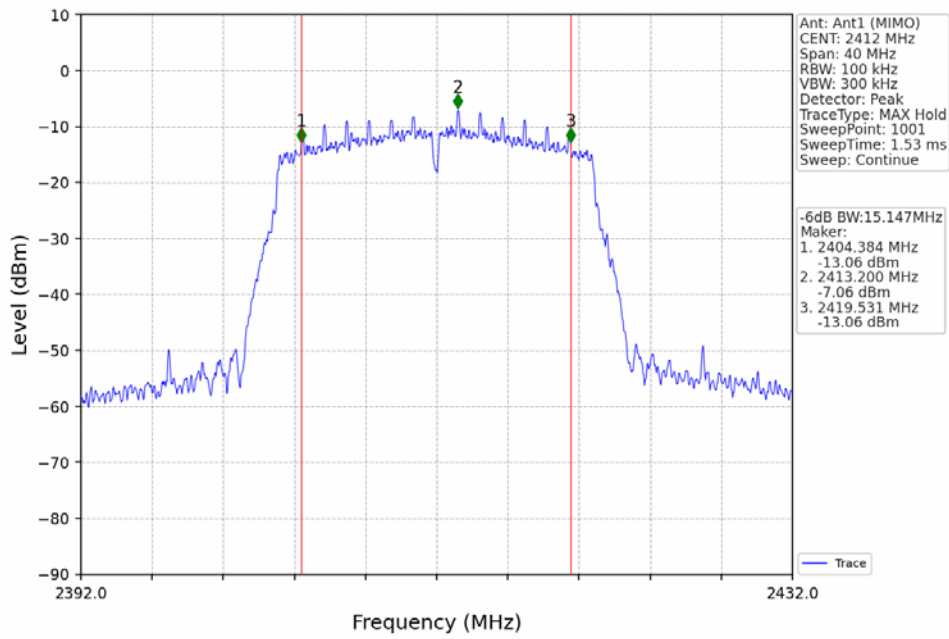
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



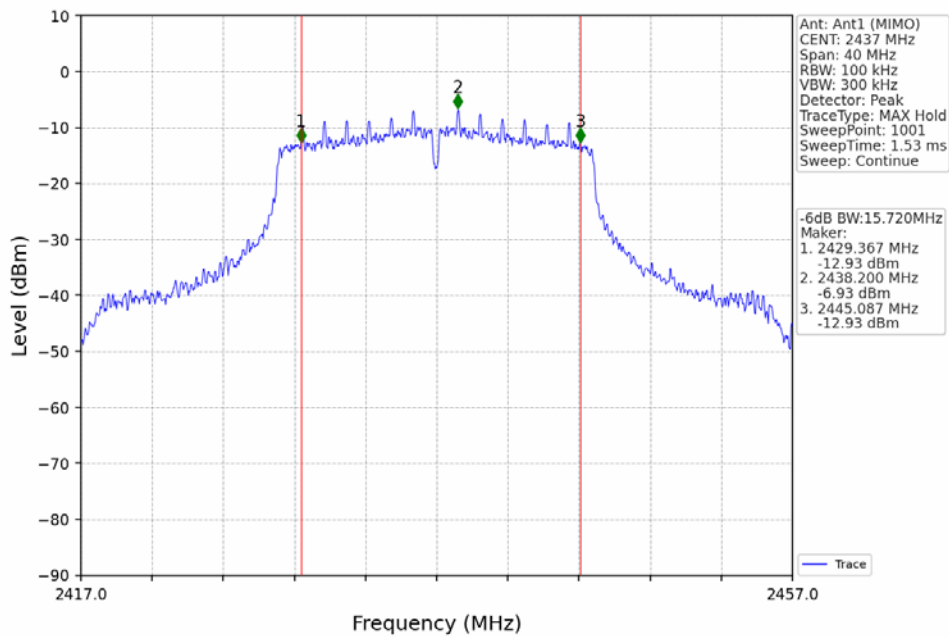
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



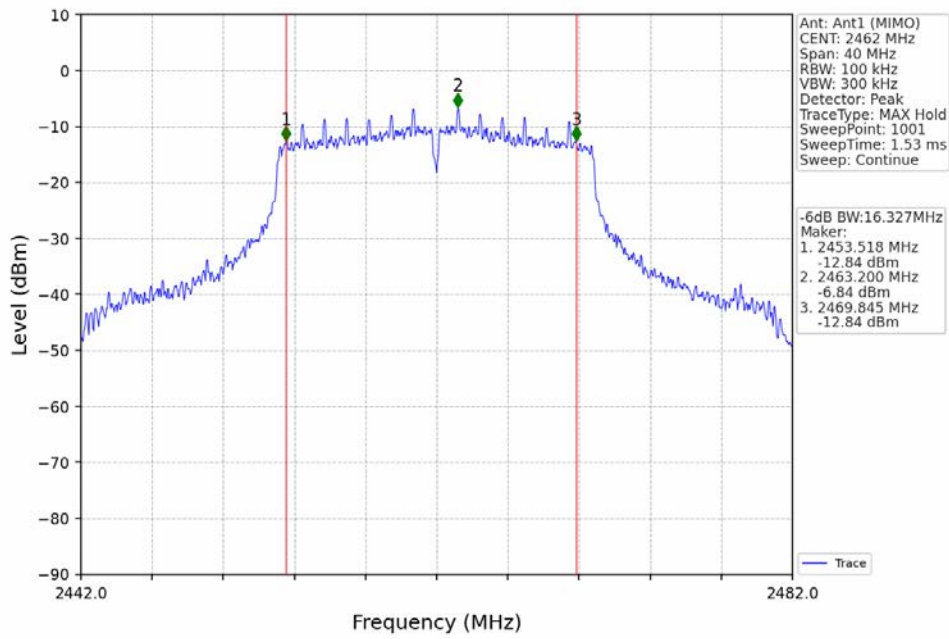
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



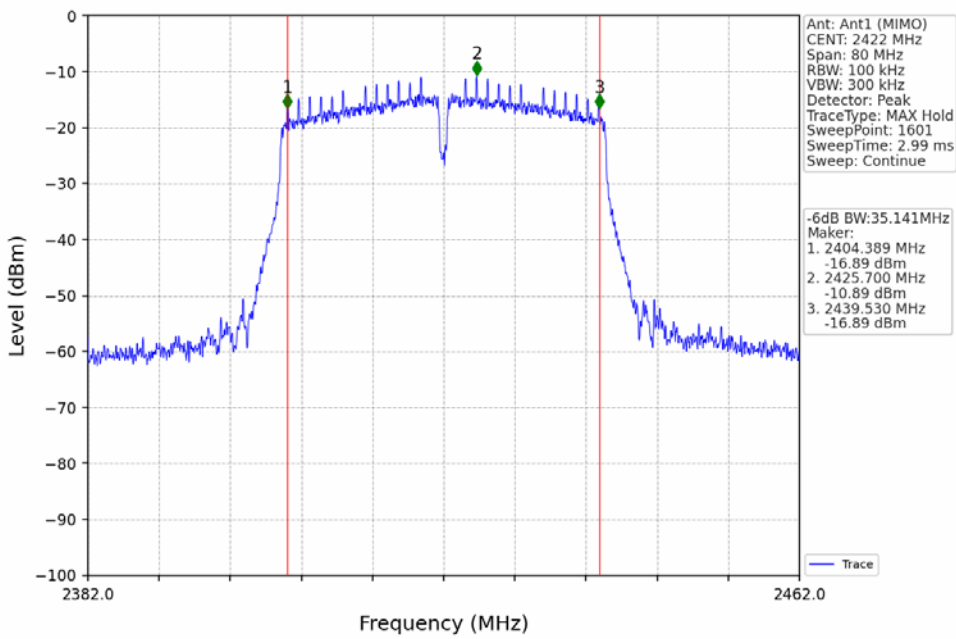
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



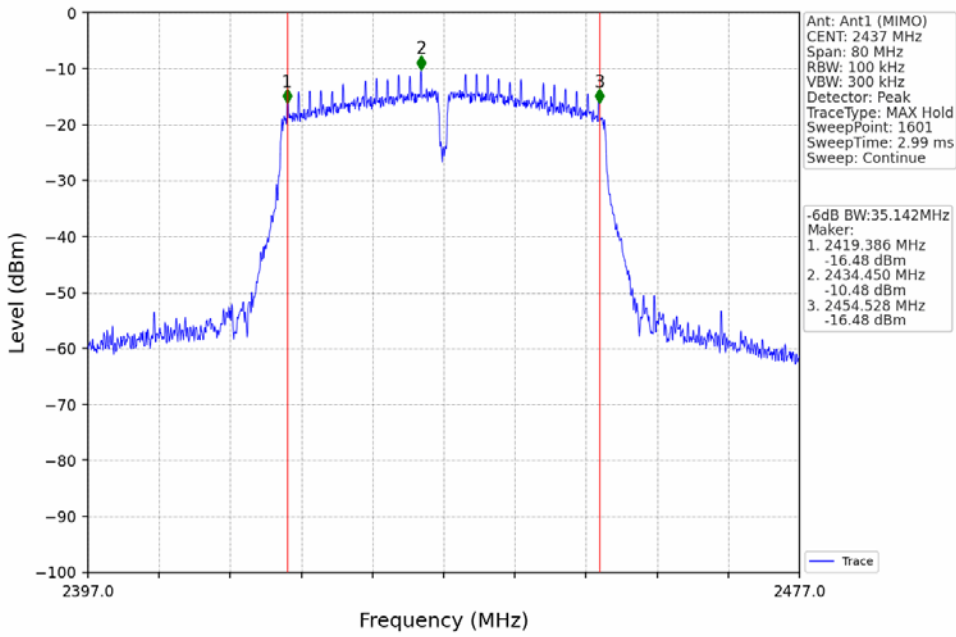
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



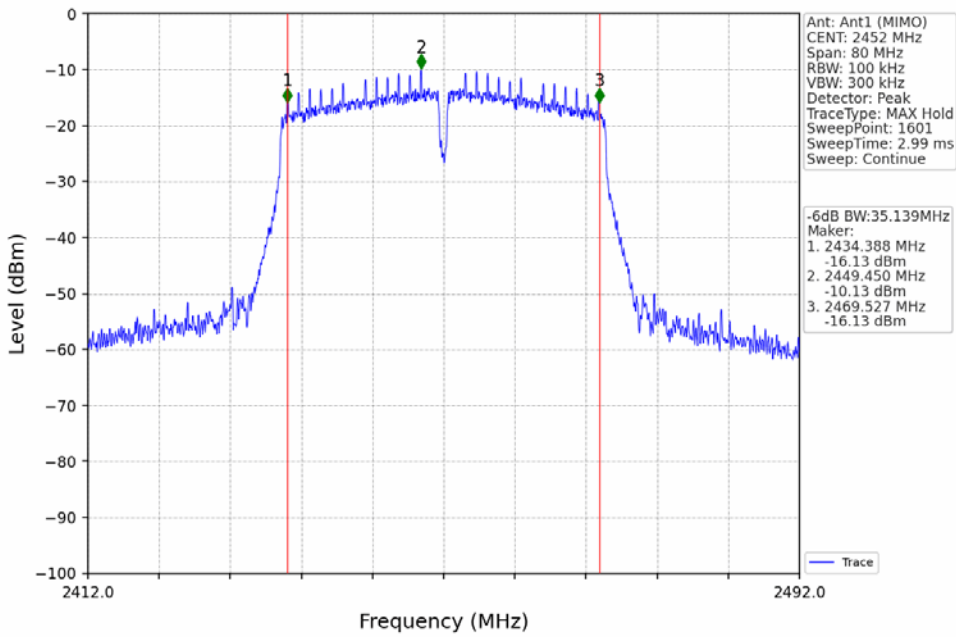
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



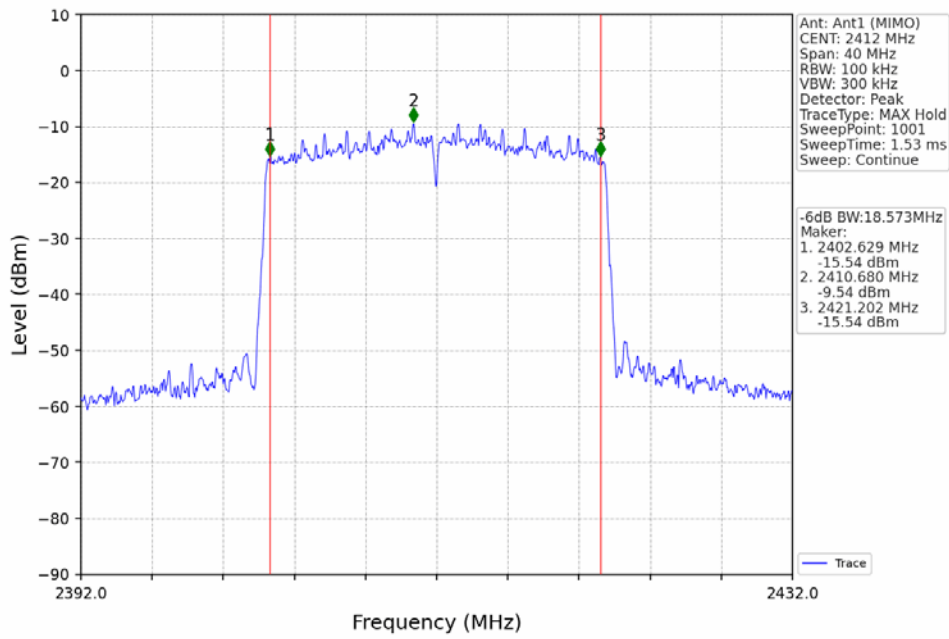
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



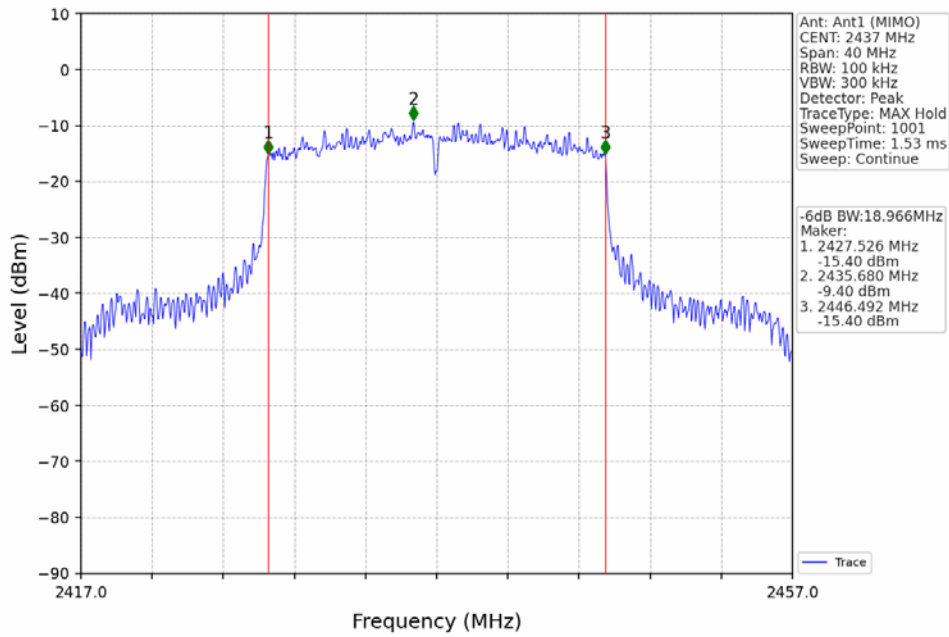
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



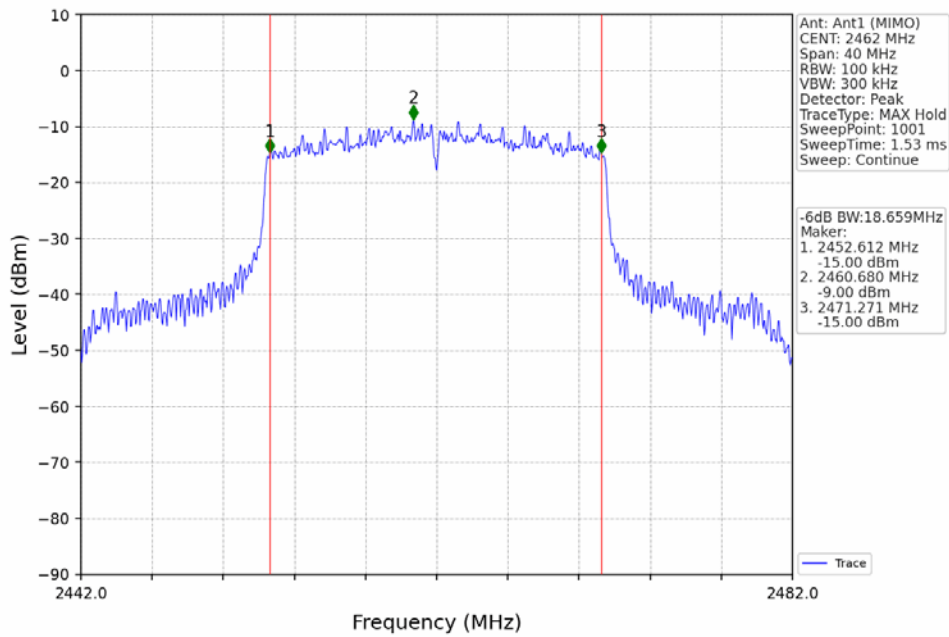
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



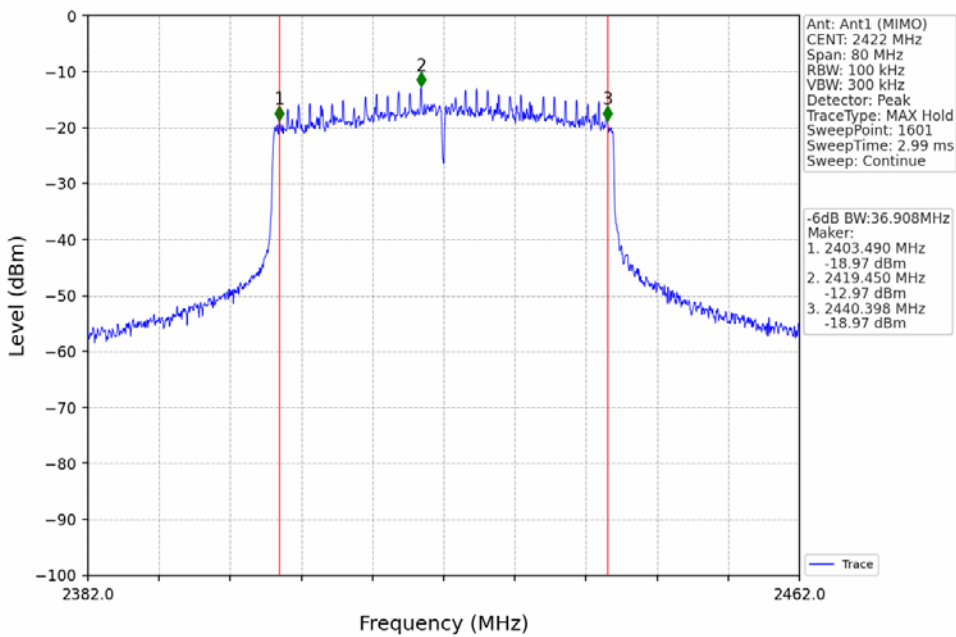
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



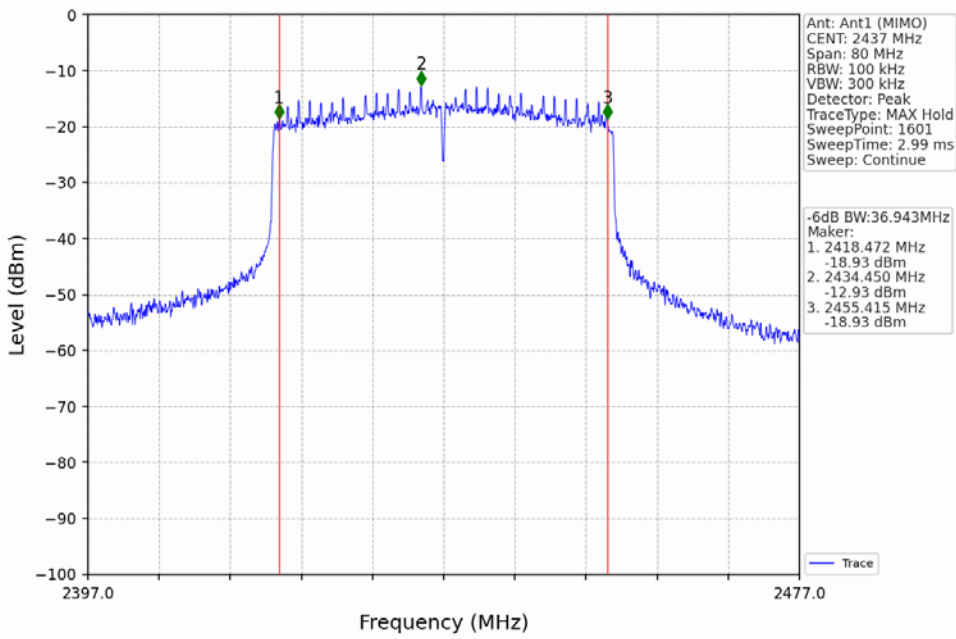
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



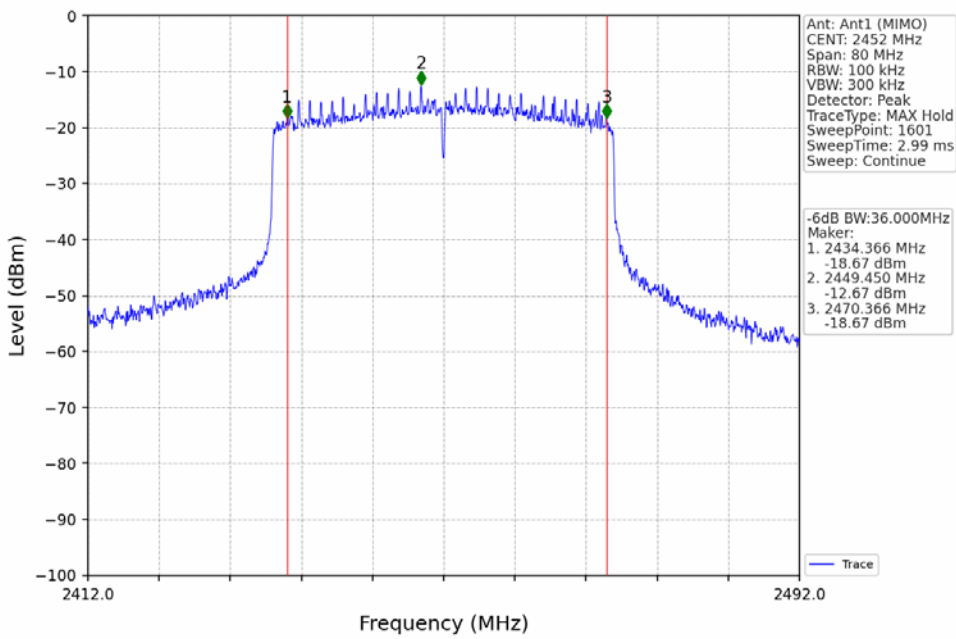
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	6.99	6.49	/	<=30	Pass
		2437	/	/	7.23	6.76	/	<=30	Pass
		2462	/	/	7.26	7.04	/	<=30	Pass
802.11g	SISO	2412	/	/	9.40	9.27	/	<=30	Pass
		2437	/	/	8.71	8.45	/	<=30	Pass
		2462	/	/	9.97	9.70	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	6.60	5.67	9.17	<=30	Pass
		2437	/	/	6.18	6.19	9.20	<=30	Pass
		2462	/	/	5.89	5.72	8.82	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	6.69	5.20	9.02	<=30	Pass
		2437	/	/	5.35	5.18	8.28	<=30	Pass
		2452	/	/	5.70	6.33	9.04	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	6.42	5.73	9.10	<=30	Pass
		2437	RU242	Left	6.07	5.91	9.00	<=30	Pass
		2462	RU242	Left	6.34	6.30	9.33	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	5.18	5.83	8.53	<=30	Pass
		2437	RU484	Left	6.52	5.98	9.27	<=30	Pass
		2452	RU484	Left	5.56	6.11	8.85	<=30	Pass

Note1: Antenna Gain: Ant1: 3.19dBi; Ant2: 3.19dBi;
 Note2: Directional Gain: 3.19dBi

4. Maximum Power Spectral Density

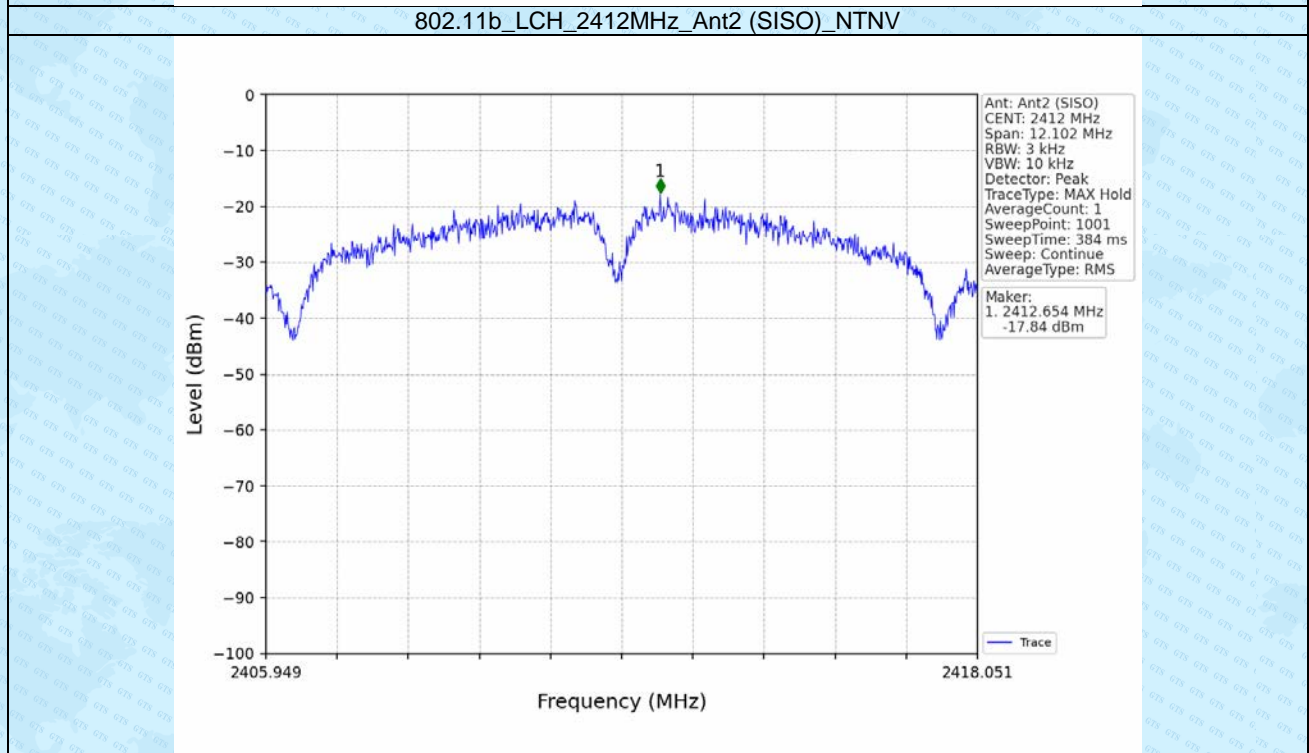
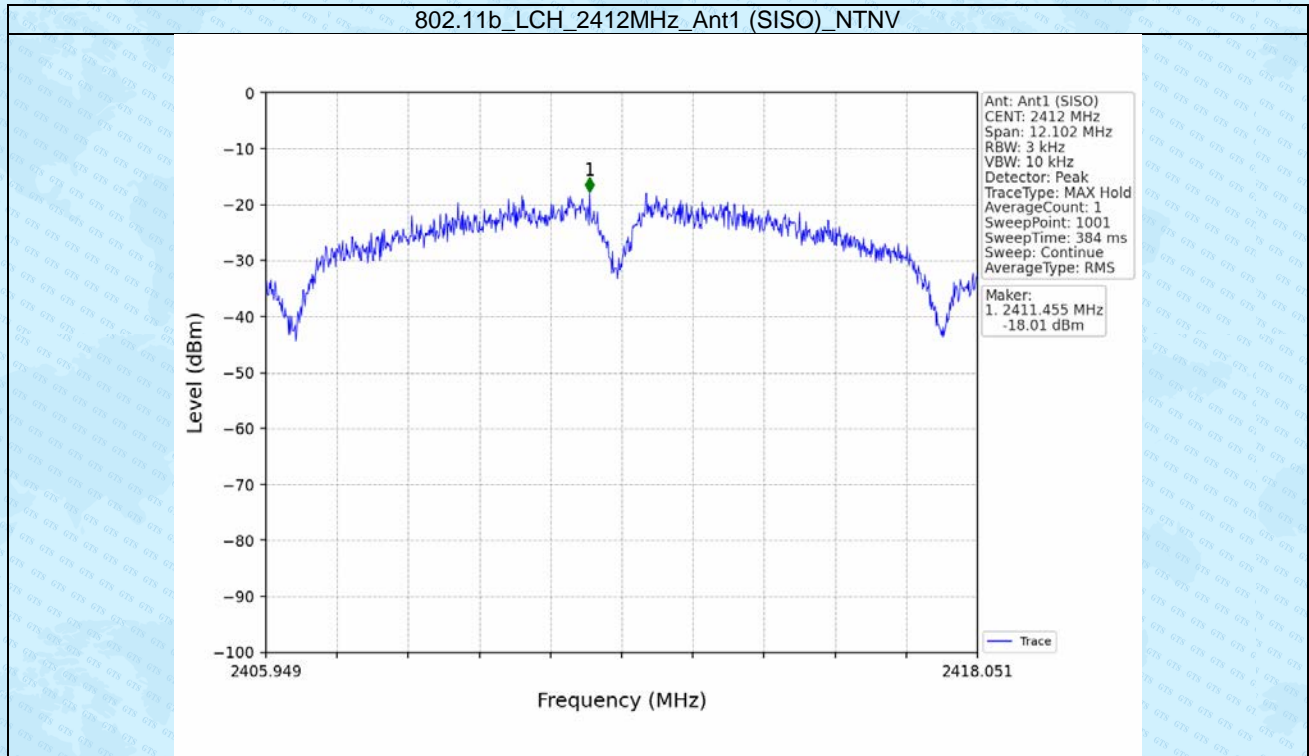
4.1 PSD

4.1.1 Test Result

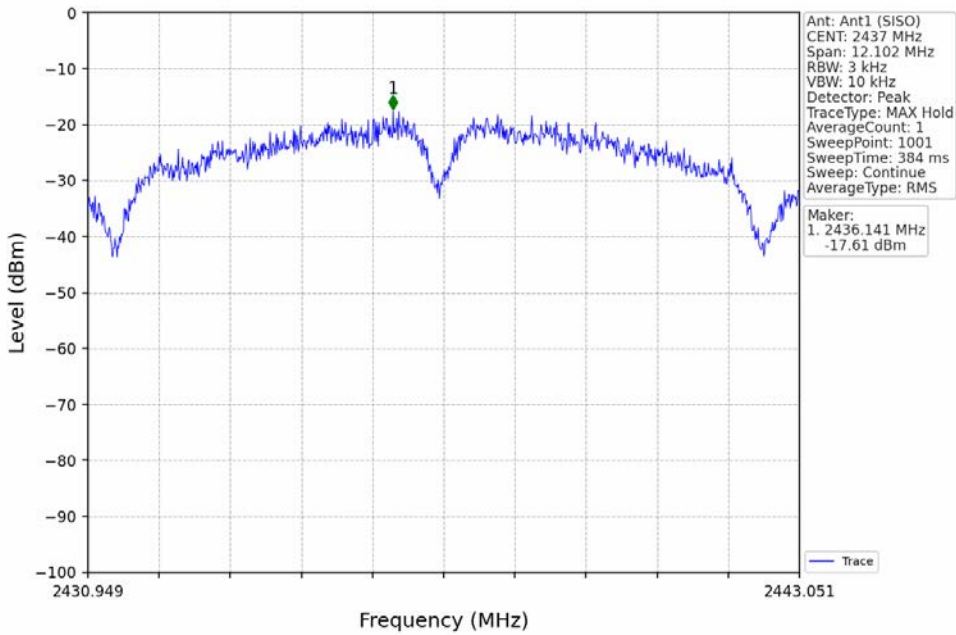
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-18.01	-17.84	/	<=8	Pass
		2437	/	/	-17.61	-18.12	/	<=8	Pass
		2462	/	/	-18.24	-18.17	/	<=8	Pass
802.11g	SISO	2412	/	/	-21.15	-20.73	/	<=7.8	Pass
		2437	/	/	-20.41	-20.87	/	<=7.8	Pass
		2462	/	/	-20.61	-21.16	/	<=7.8	Pass
802.11n (HT20)	MIMO	2412	/	/	-21.71	-22.24	-19.67	<=7.8	Pass
		2437	/	/	-20.91	-21.34	-19.57	<=7.8	Pass
		2462	/	/	-21.79	-21.77	-19.41	<=7.8	Pass
802.11n (HT40)	MIMO	2422	/	/	-24.88	-26.70	-23.77	<=7.8	Pass
		2437	/	/	-25.75	-26.51	-24.08	<=7.8	Pass
		2452	/	/	-25.31	-26.14	-24.11	<=7.8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-26.32	-27.47	-24.67	<=7.8	Pass
		2437	RU242	Left	-25.96	-27.15	-24.10	<=7.8	Pass
		2462	RU242	Left	-26.40	-27.60	-24.40	<=7.8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-23.68	-23.76	-20.71	<=7.8	Pass
		2437	RU484	Left	-23.45	-23.19	-20.69	<=7.8	Pass
		2452	RU484	Left	-23.40	-23.02	-20.70	<=7.8	Pass

Note1: Antenna Gain: Ant1: 3.19dBi; Ant2: 3.19dBi;
 Note2: Directional Gain: 6.2dBi

4.1.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV

