

1. Duty Cycle

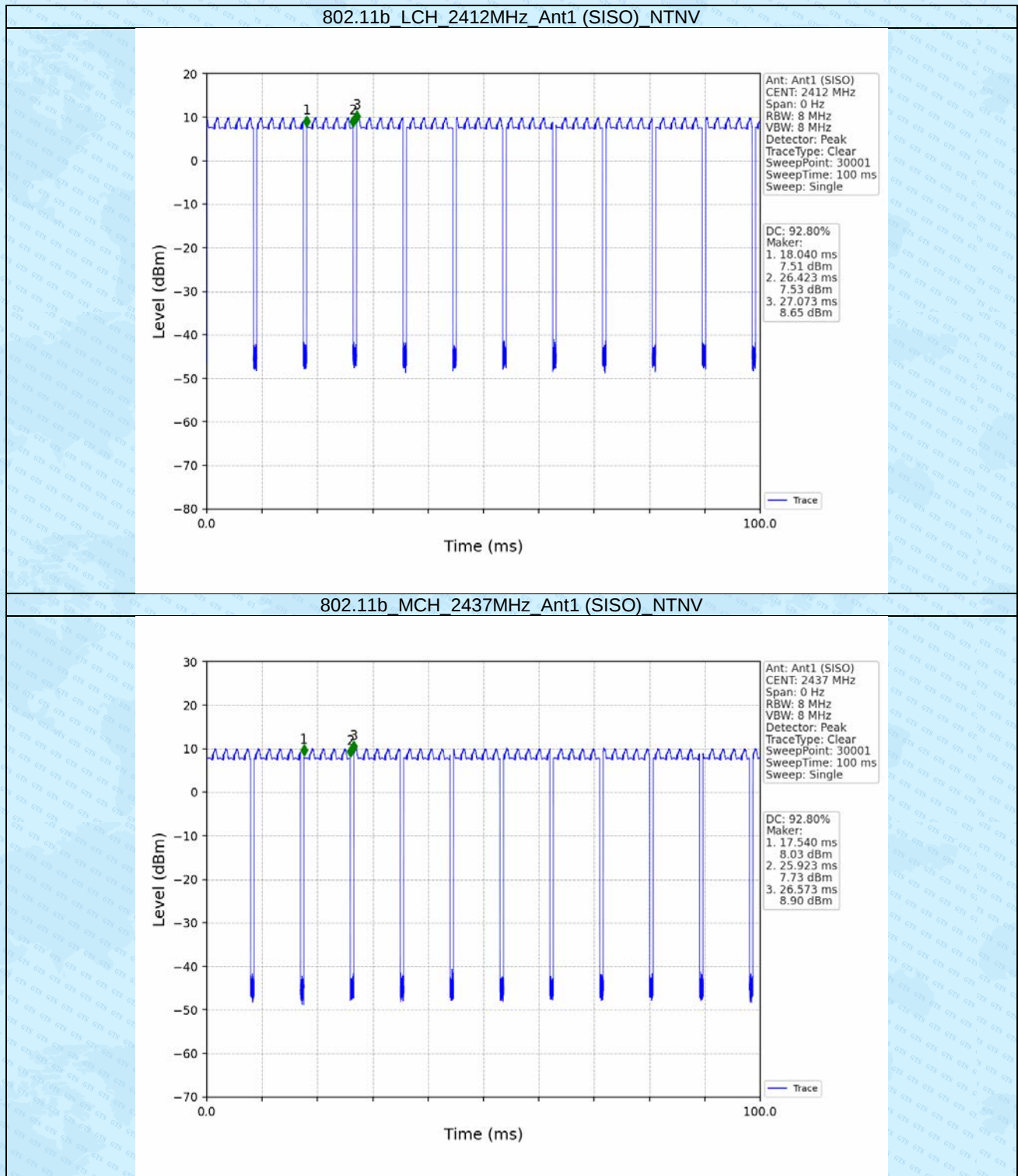
1.1 Ant1

1.1.1 Test Result

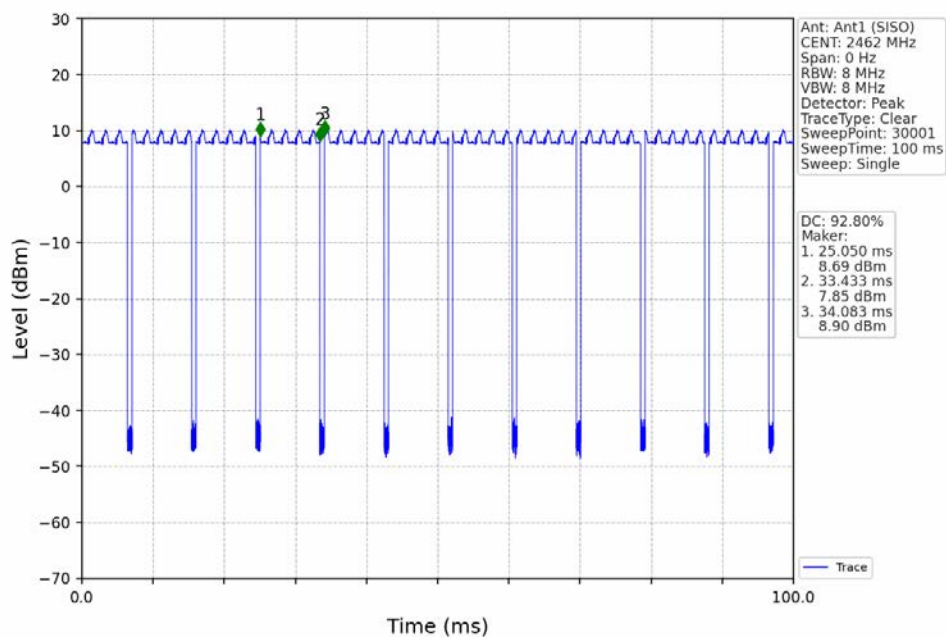
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant1		Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
					T_on (ms)	Period (ms)			
802.11b	SISO	2412	/	/	8.383	9.033	92.80	0.32	0.31
		2437	/	/	8.383	9.033	92.80	0.32	0.31
		2462	/	/	8.383	9.033	92.80	0.32	0.31
802.11g	SISO	2412	/	/	1.392	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

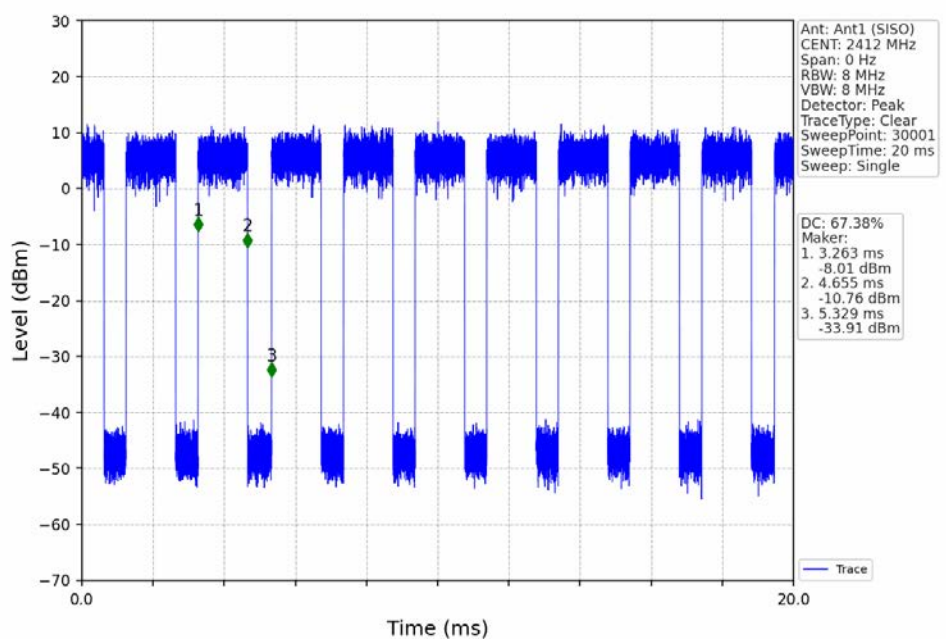
1.1.2 Test Graph



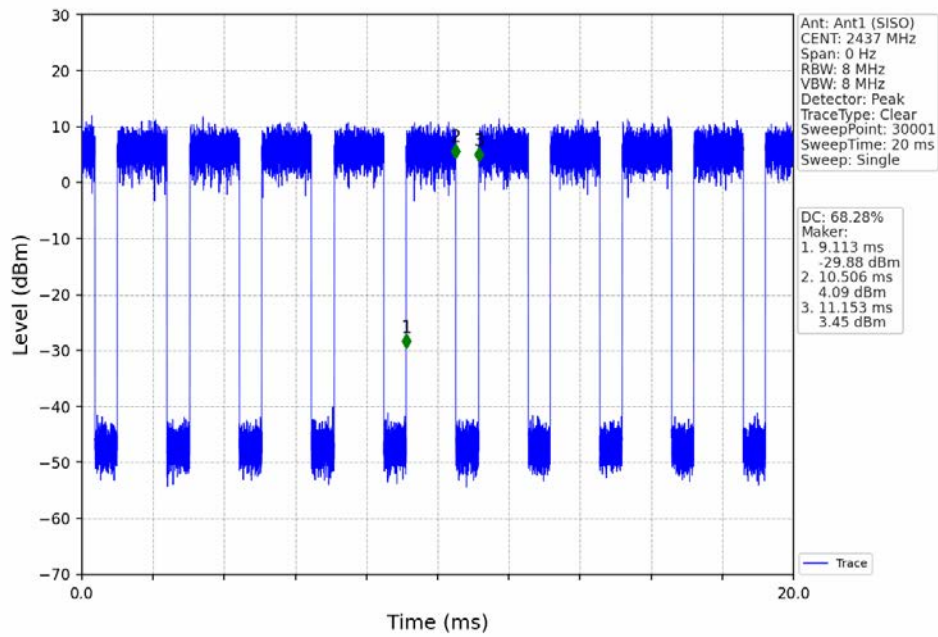
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



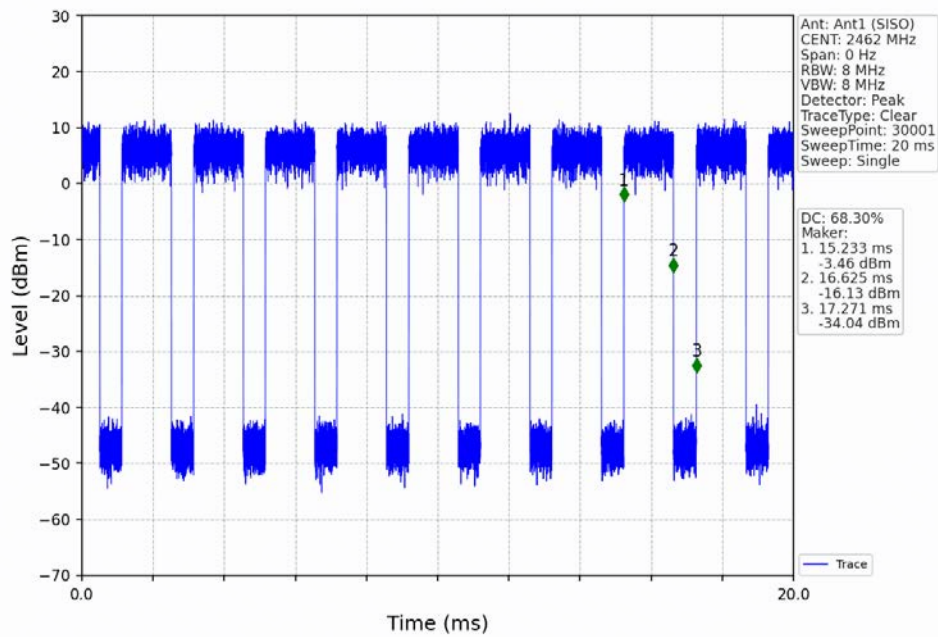
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



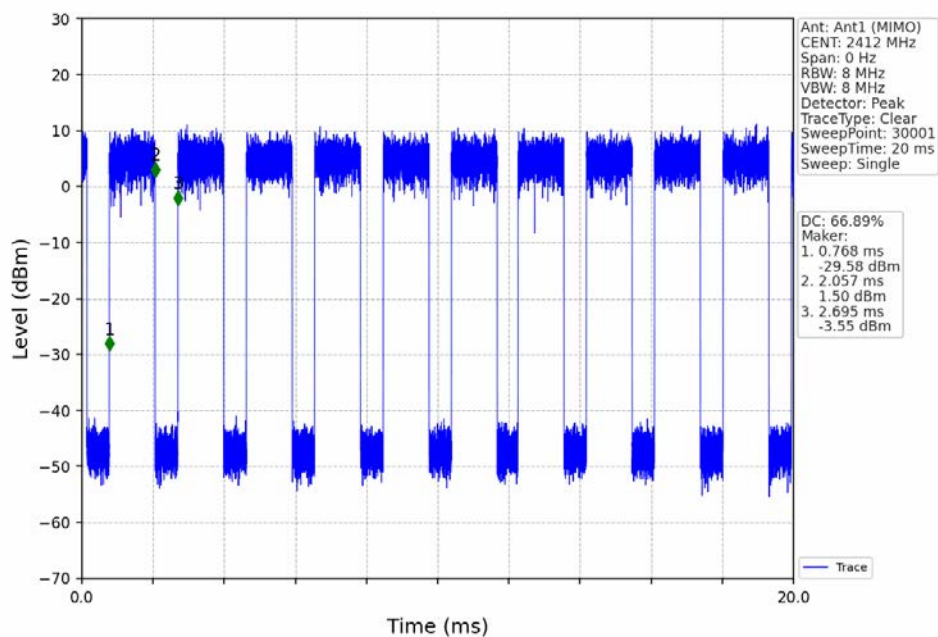
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



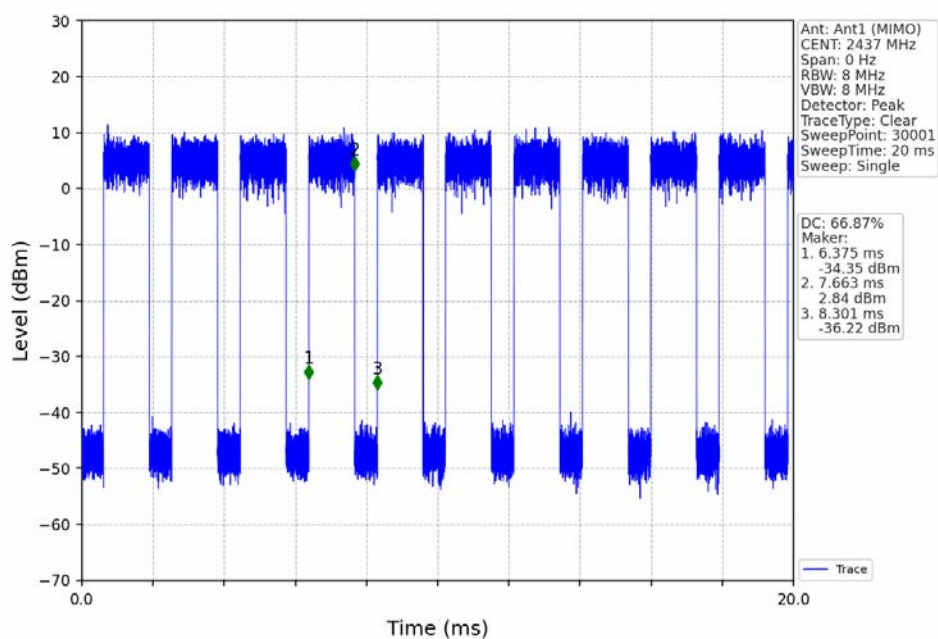
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



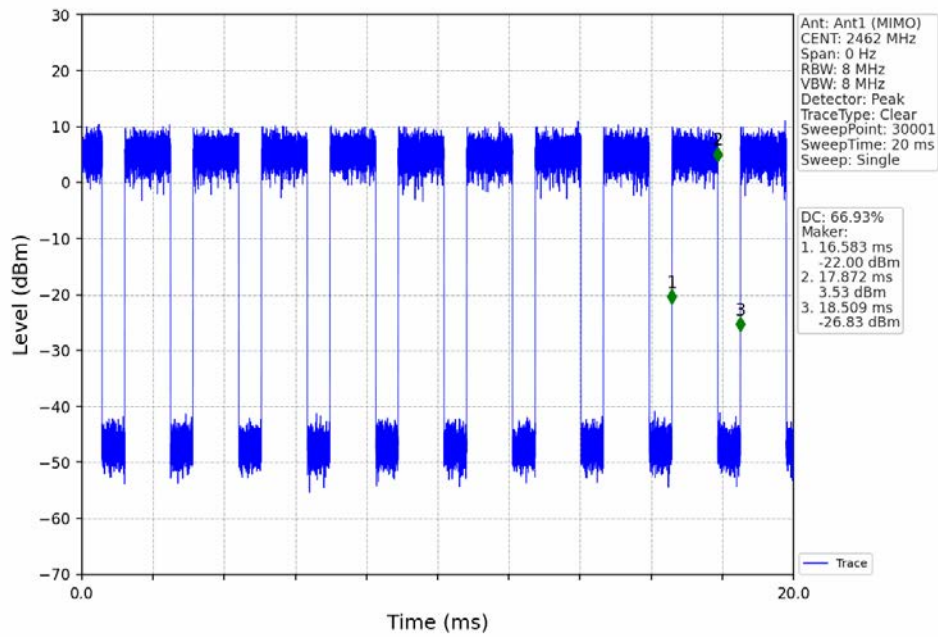
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO) NTNv



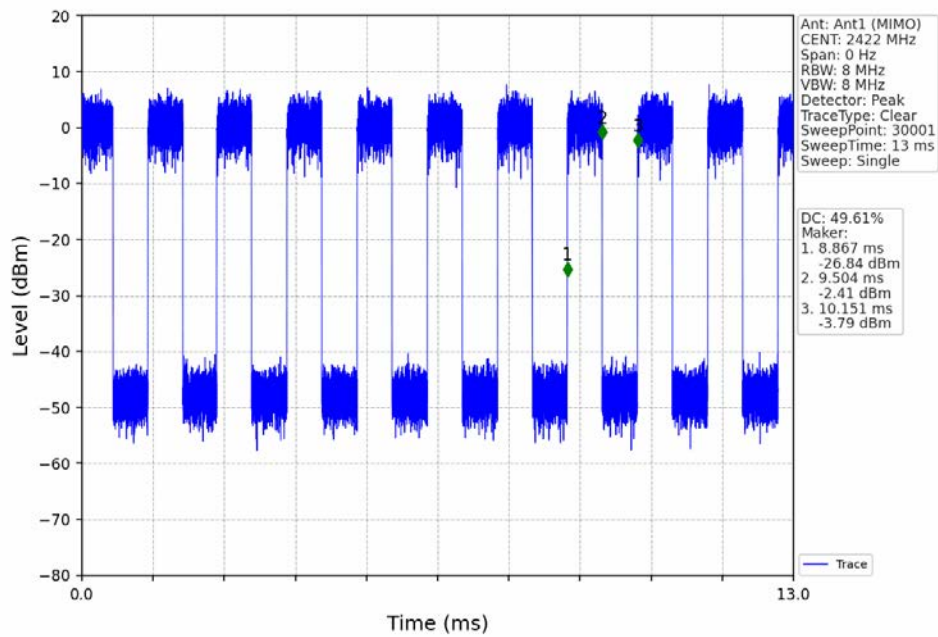
802.11n(HT20) MCH 2437MHz_Ant1 (MIMO) NTNv



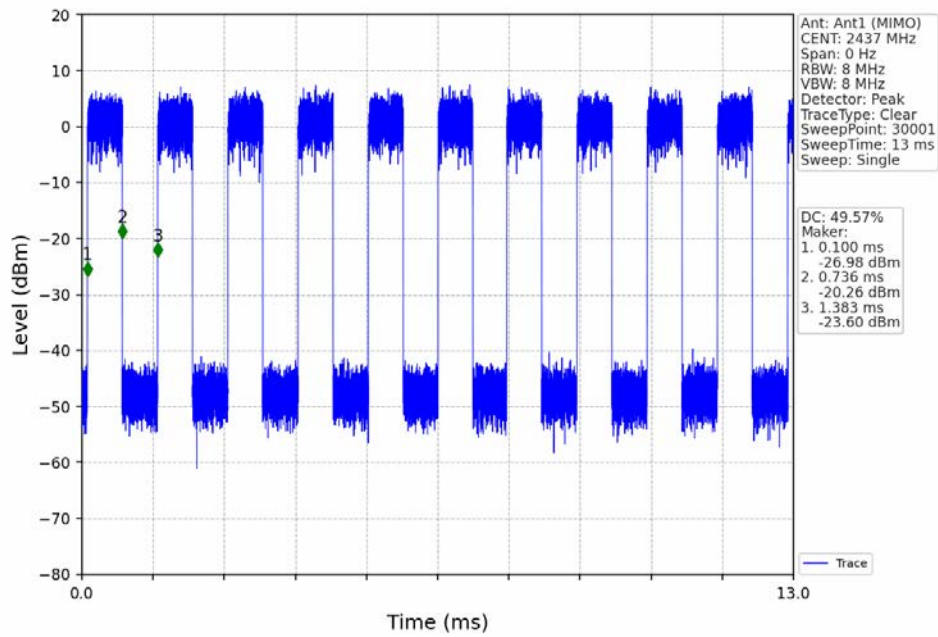
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTNv



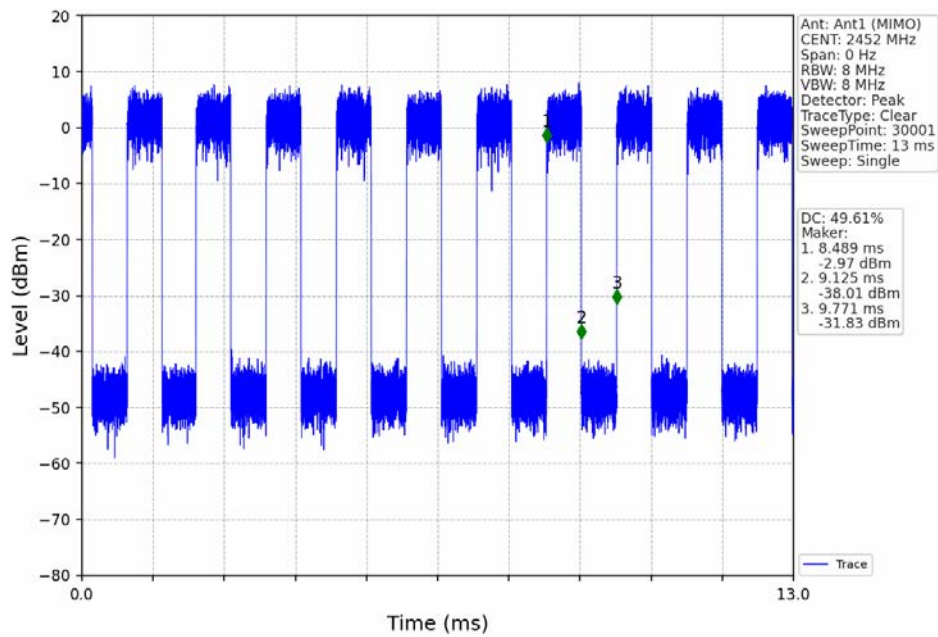
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTNv



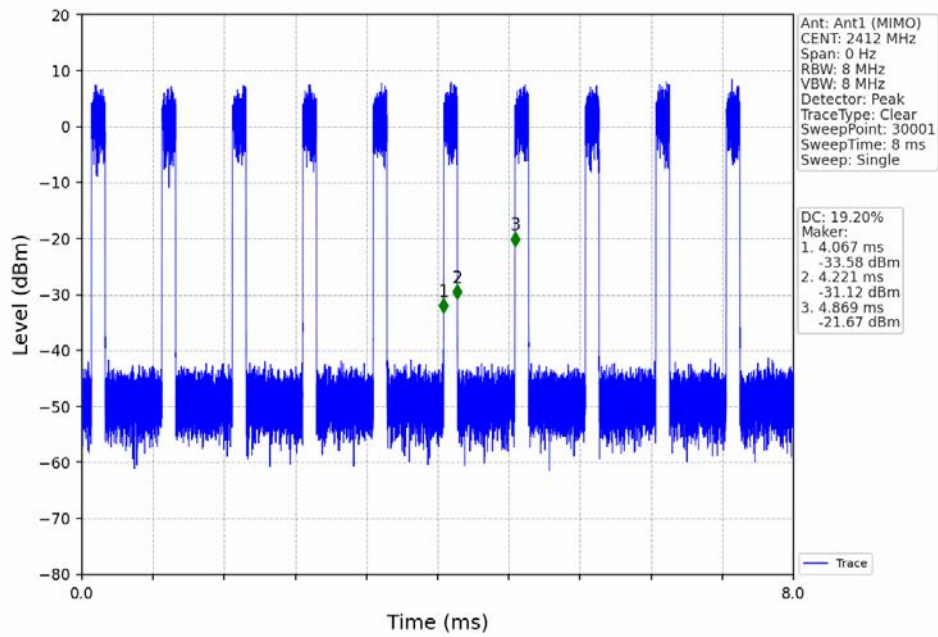
802.11n(HT40) MCH 2437MHz_Ant1 (MIMO) NTNv



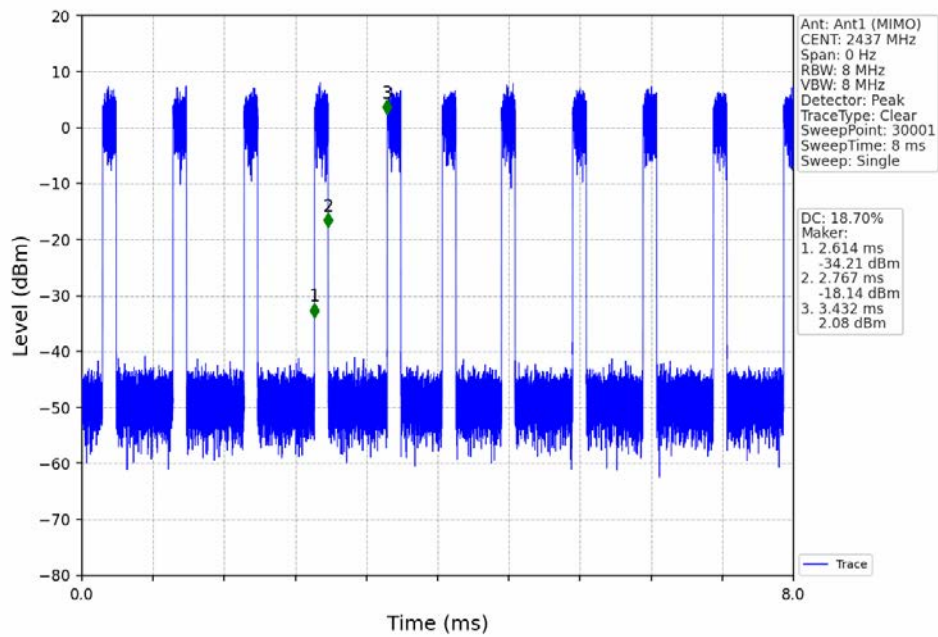
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO) NTNv



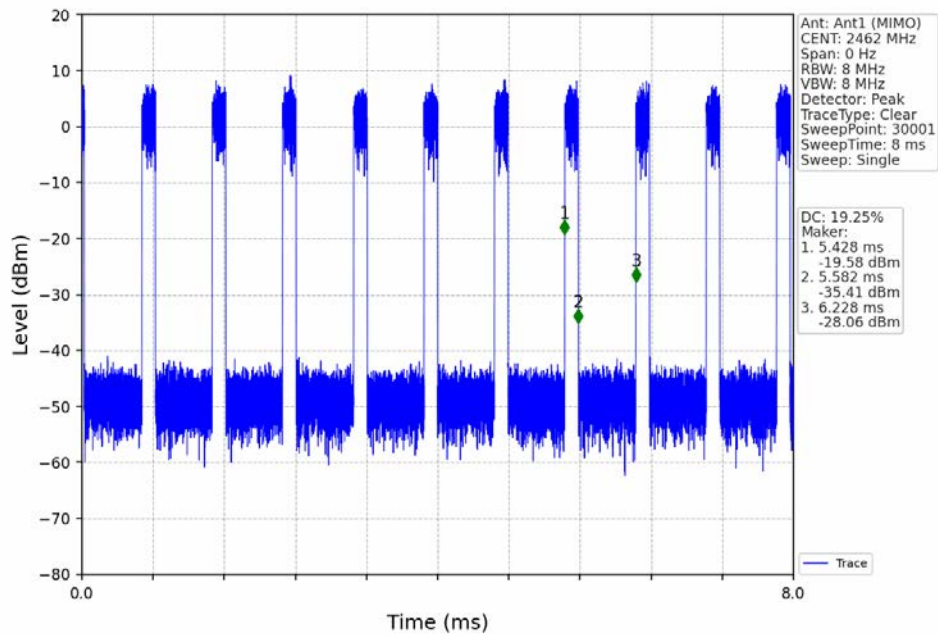
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNW



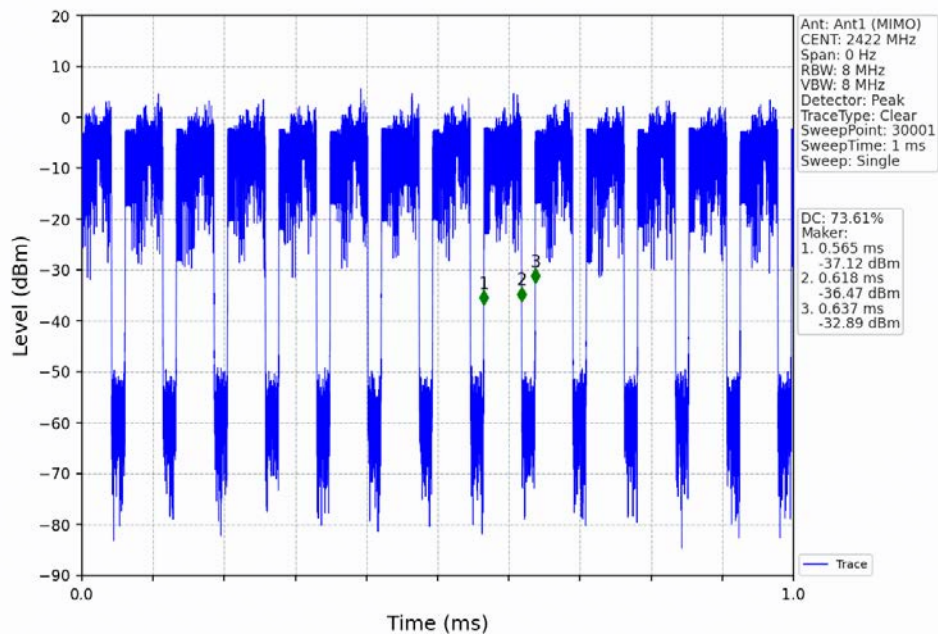
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (MIMO) NTNW



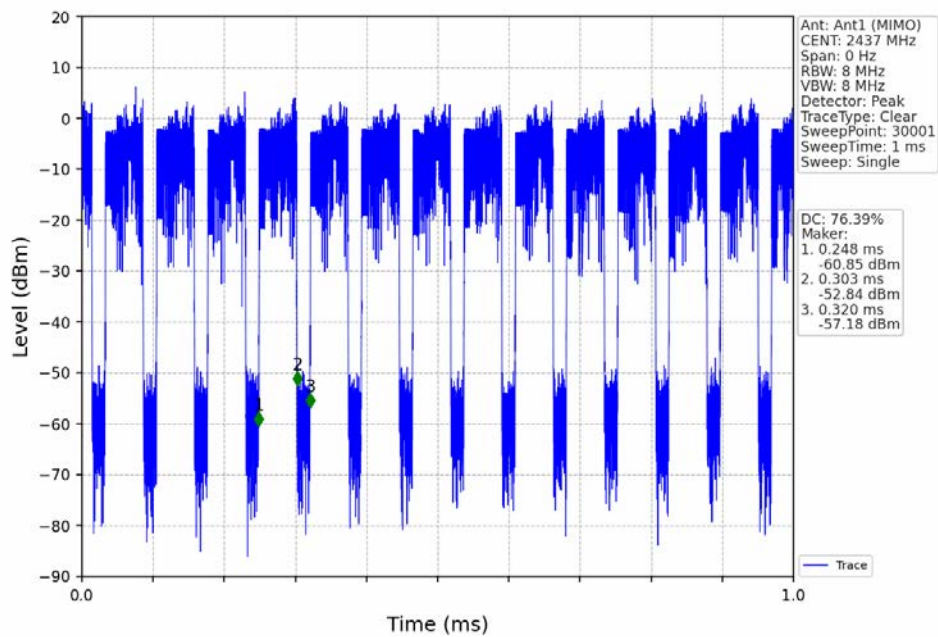
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (MIMO) NTNv



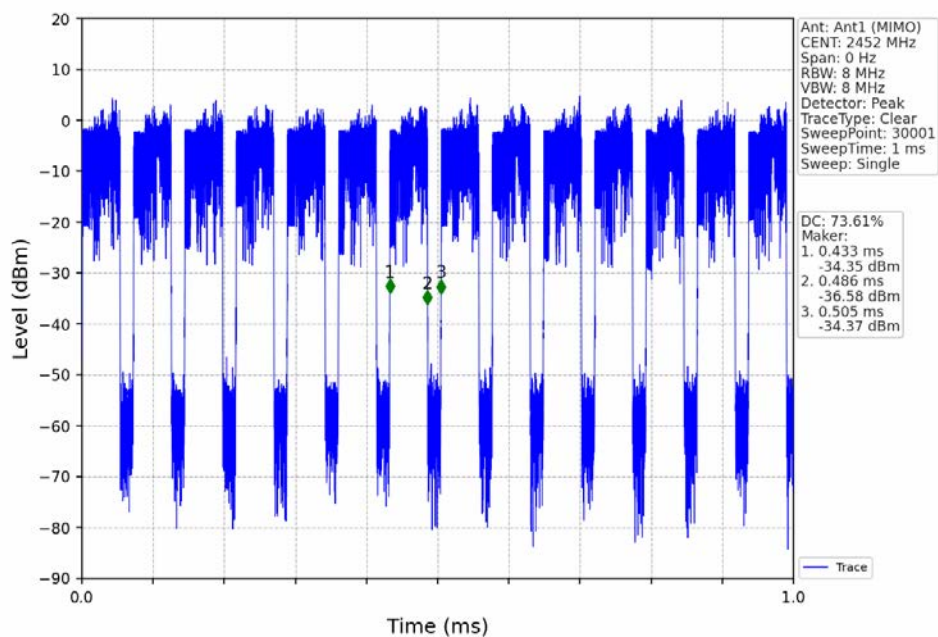
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTNv



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (MIMO) NTNv



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTNv



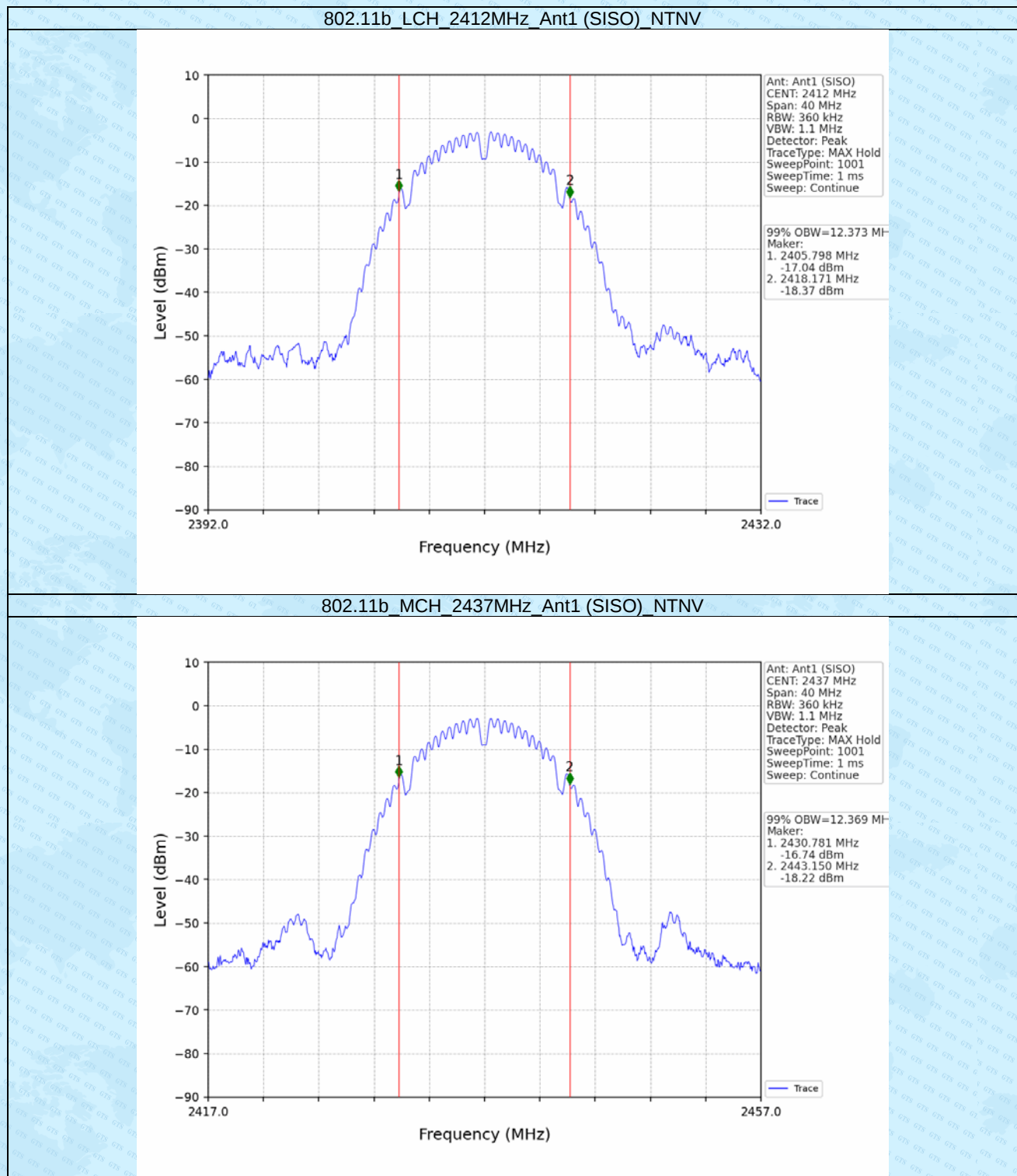
2. Bandwidth

2.1 OBW

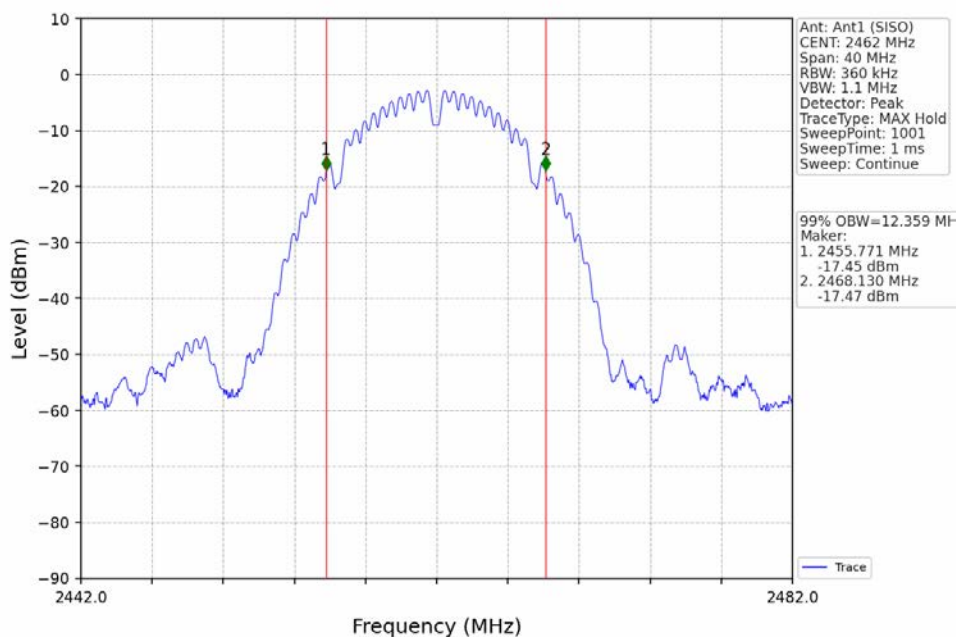
2.1.1 Test Result

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

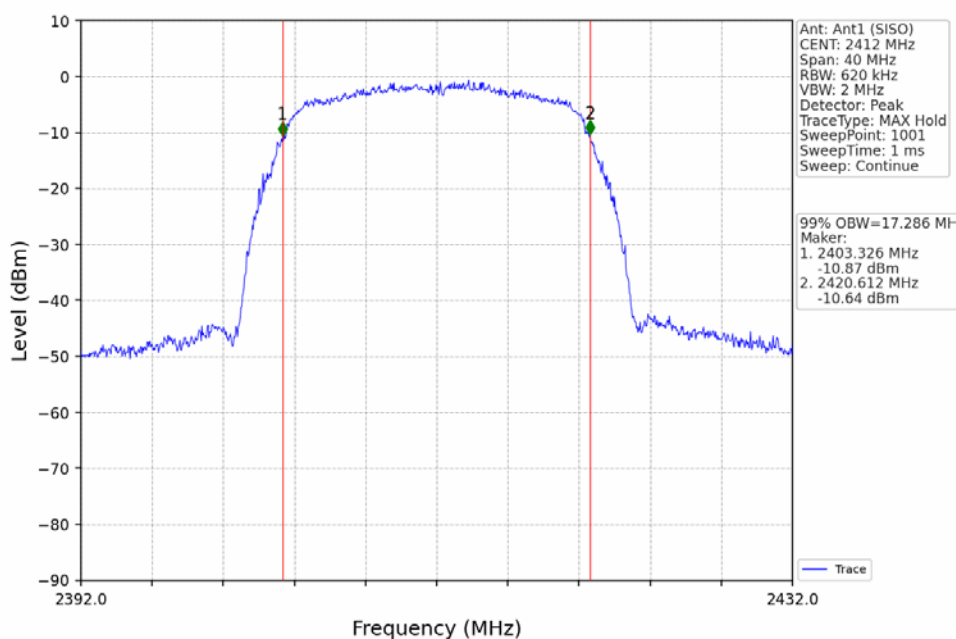
2.1.2 Test Graph



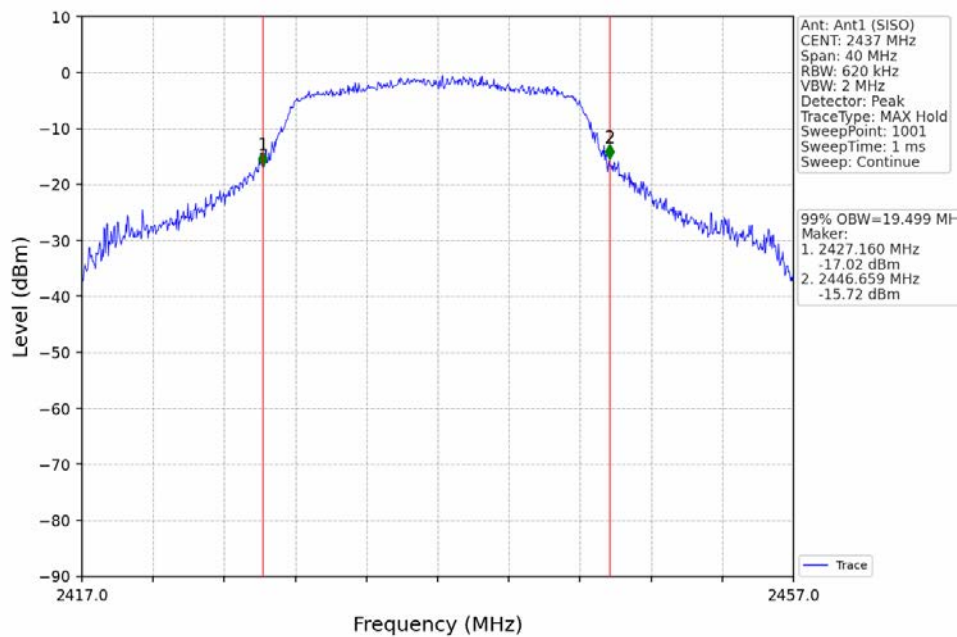
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



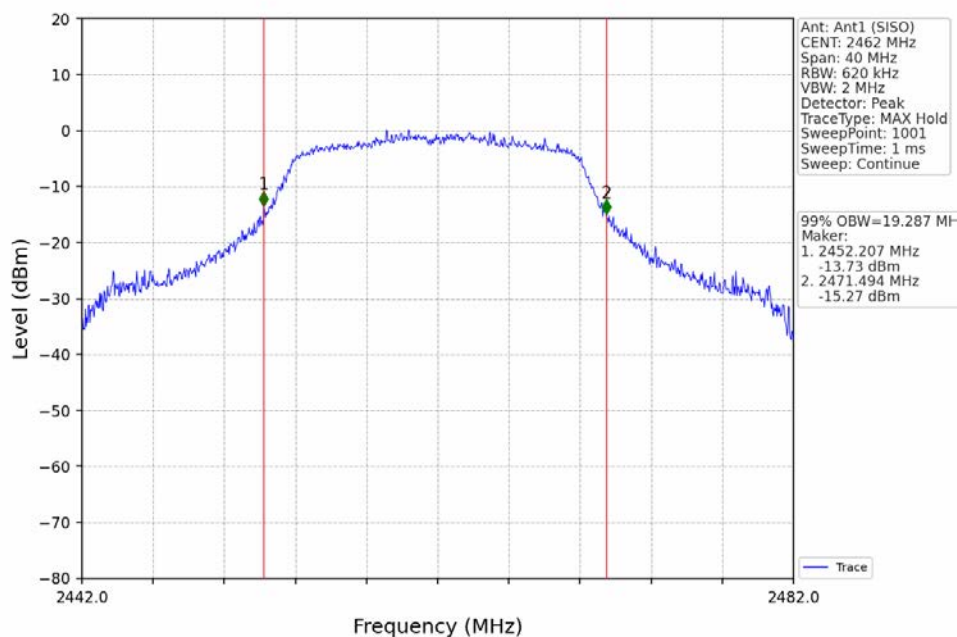
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



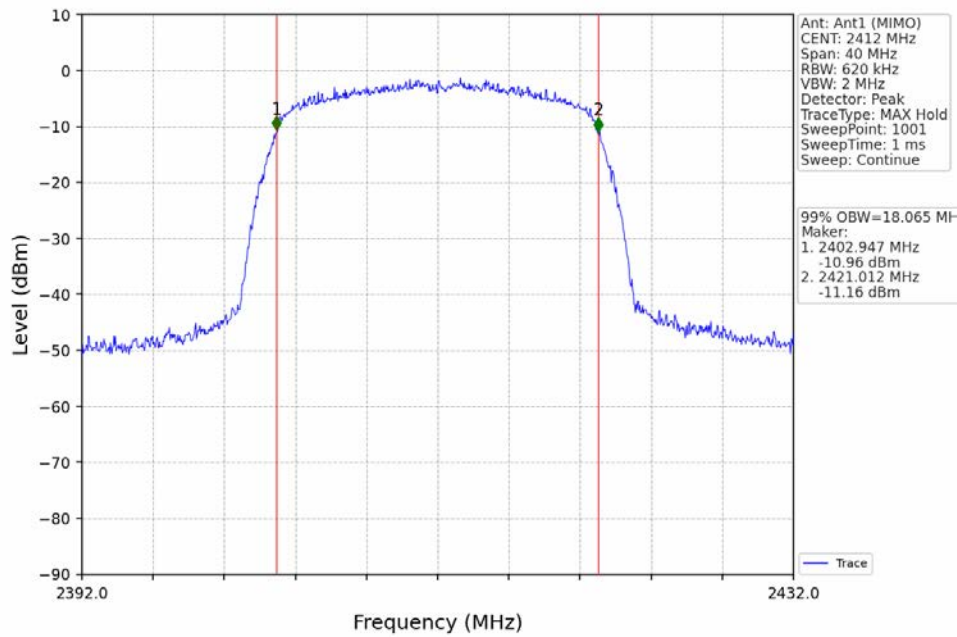
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



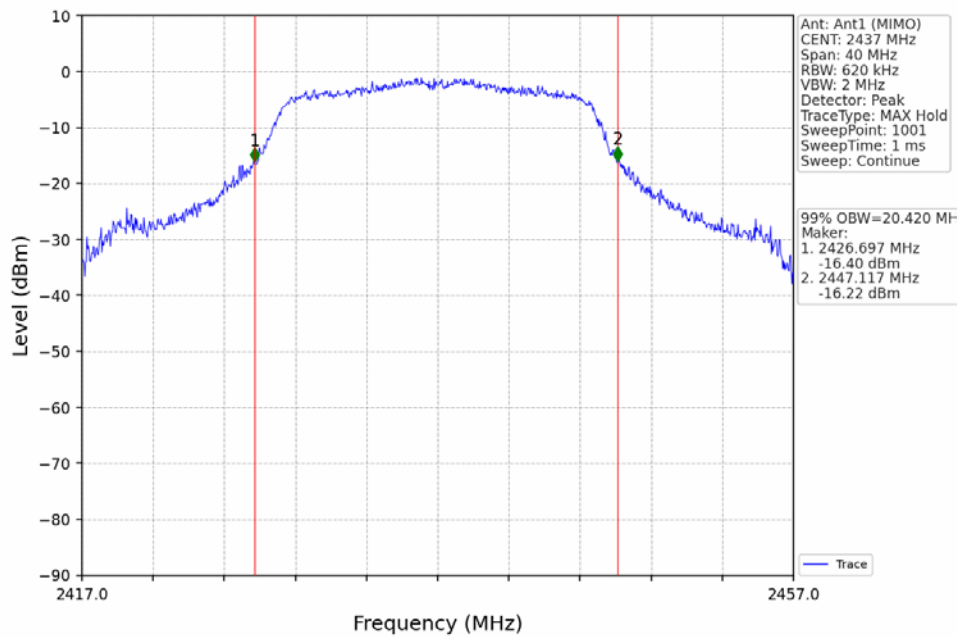
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



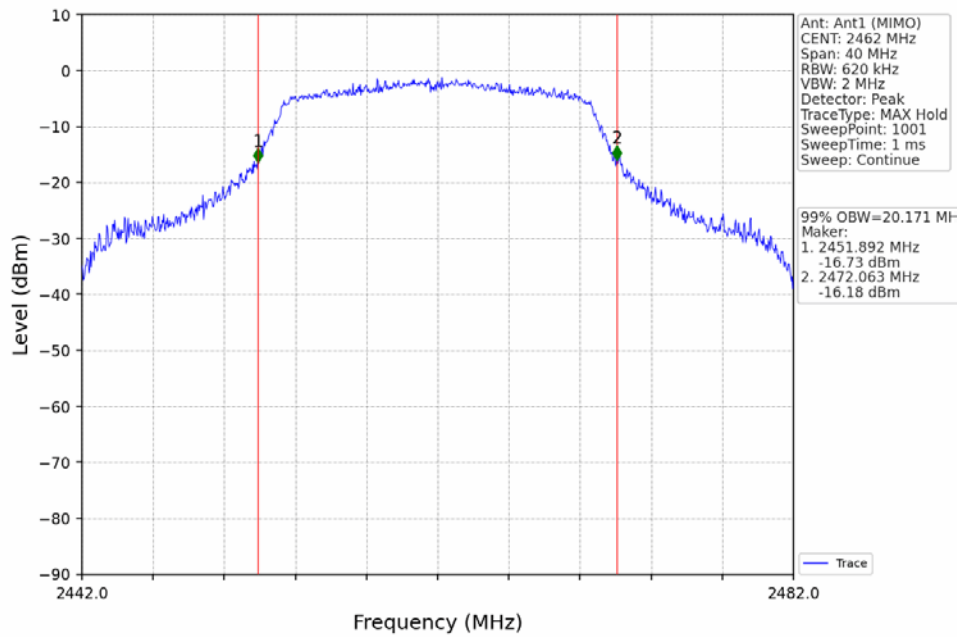
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO) NTN



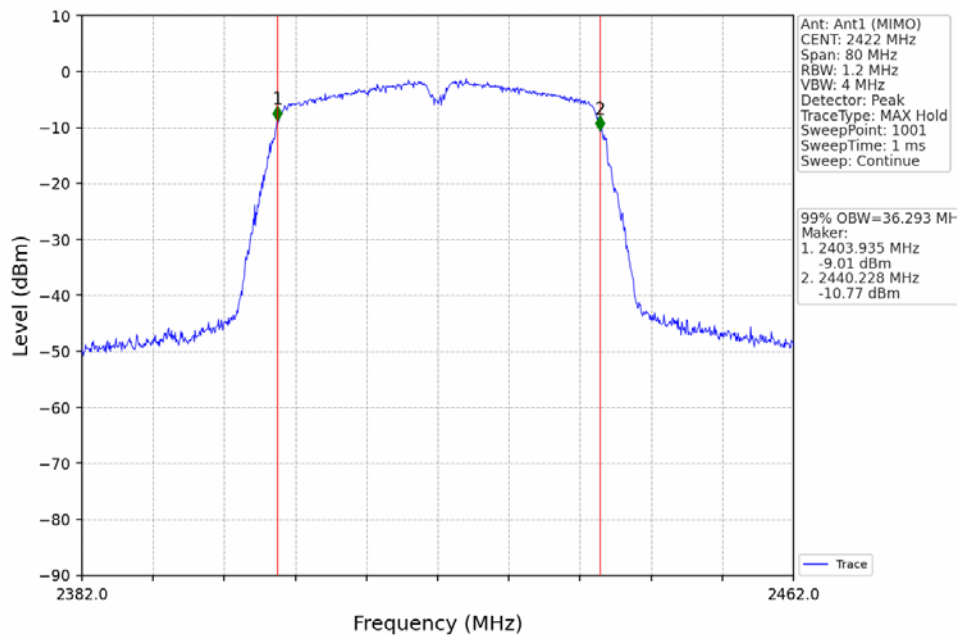
802.11n(HT20) MCH 2437MHz_Ant1 (MIMO) NTN



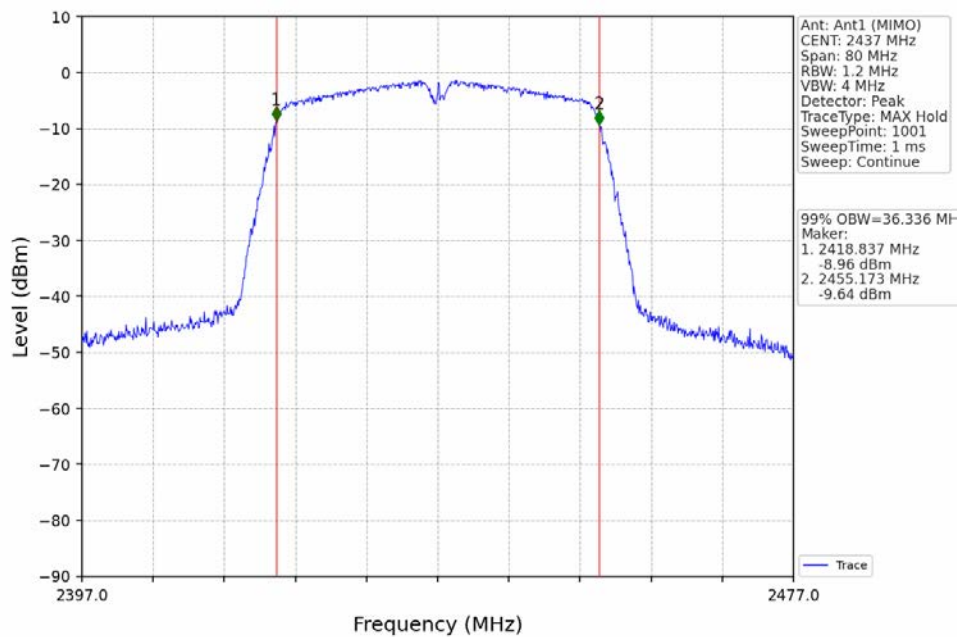
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTN



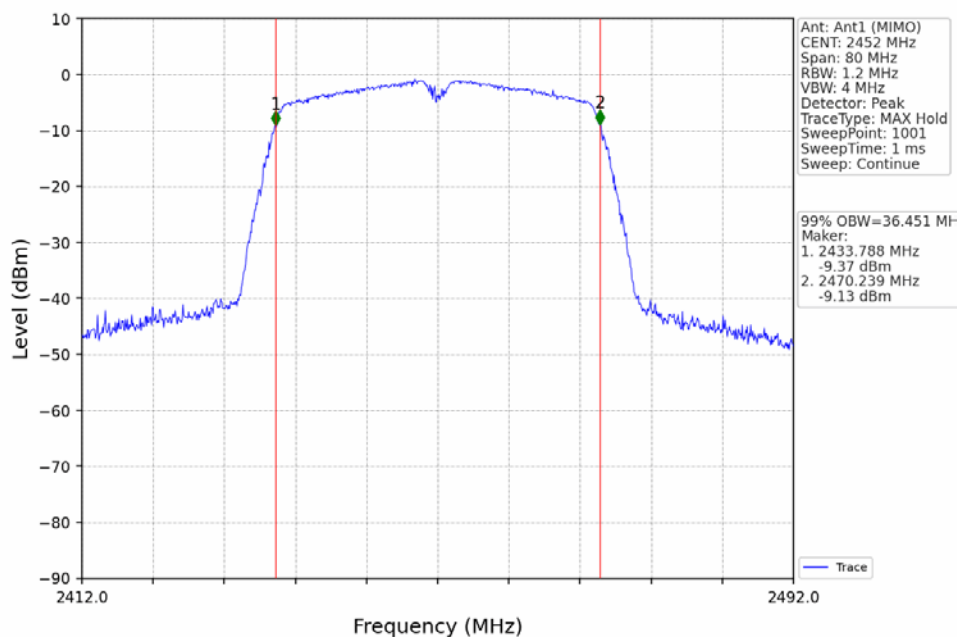
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTN



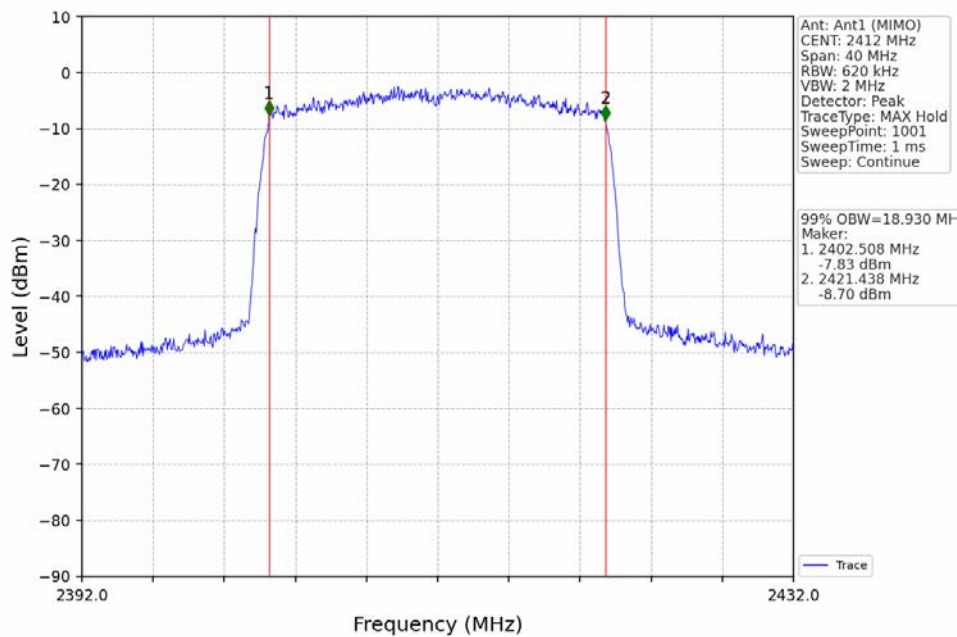
802.11n(HT40) MCH 2437MHz_Ant1 (MIMO) NTNv



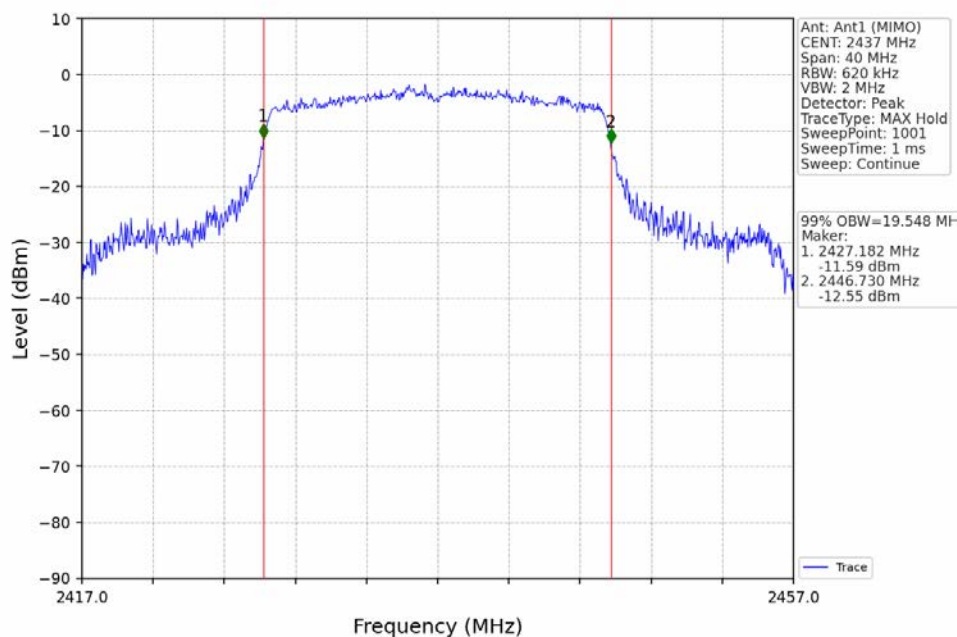
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO) NTNv



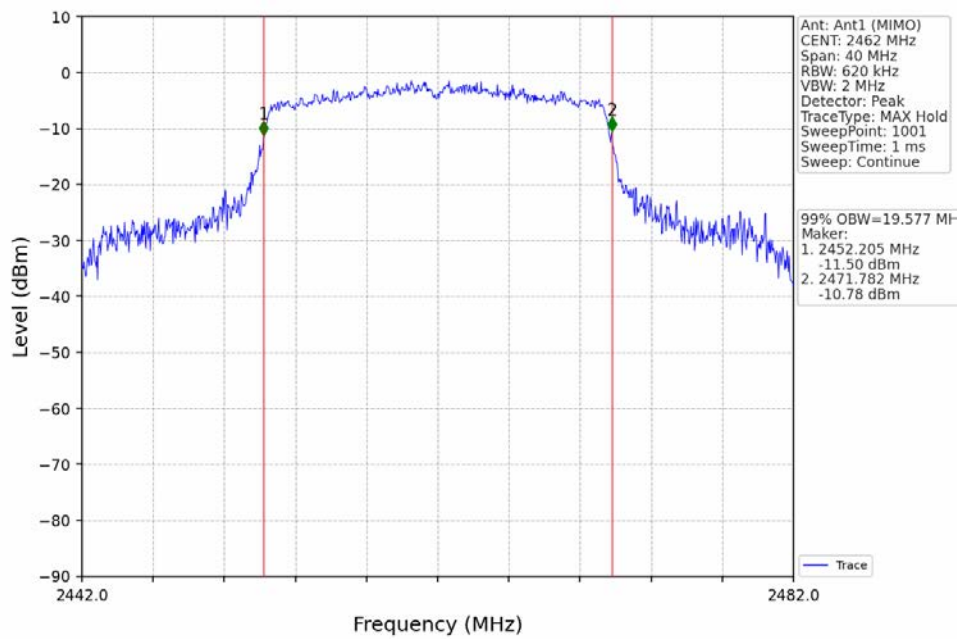
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNW



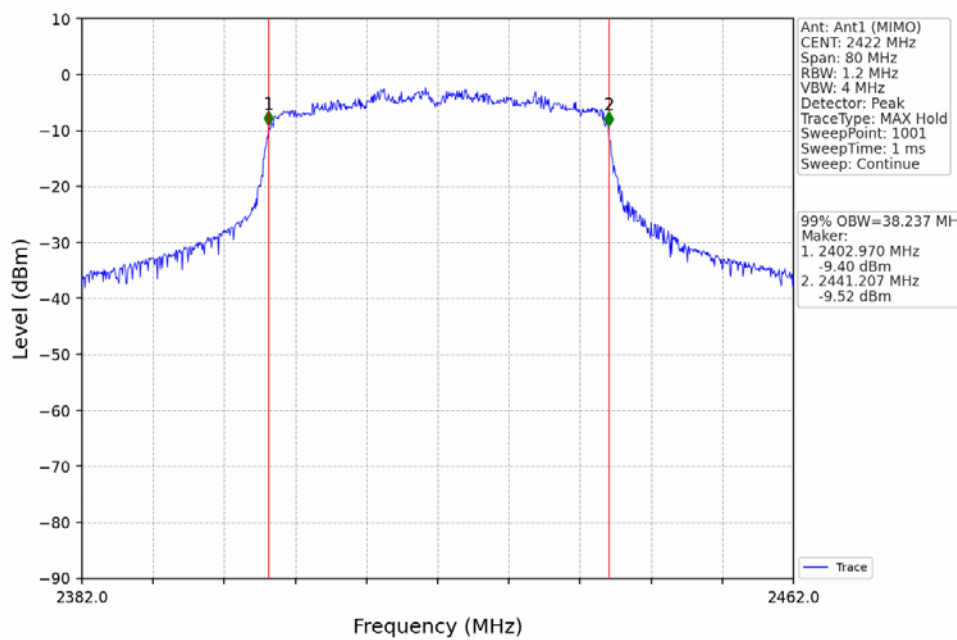
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (MIMO) NTNW



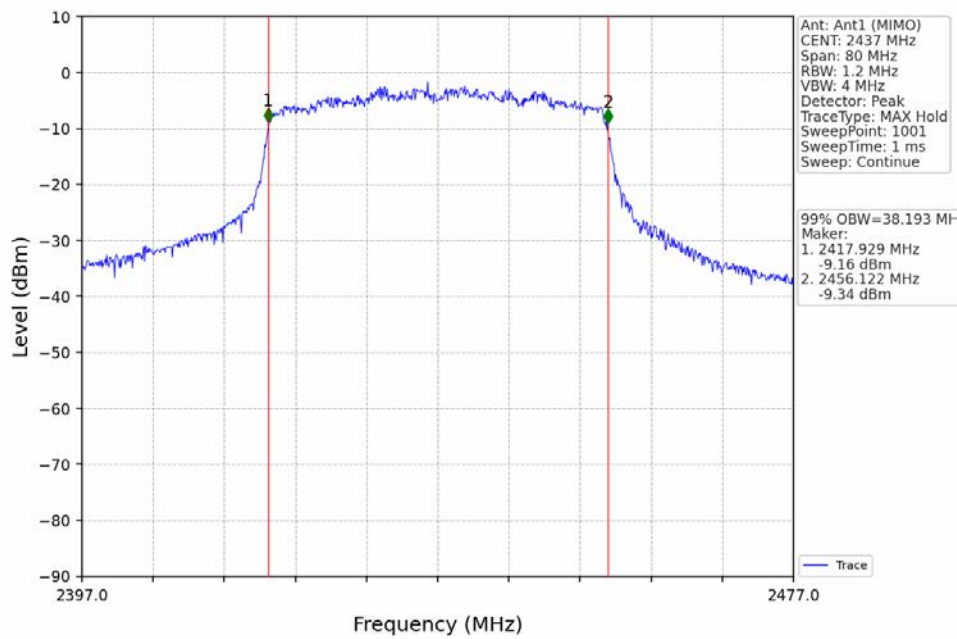
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (MIMO) NTN



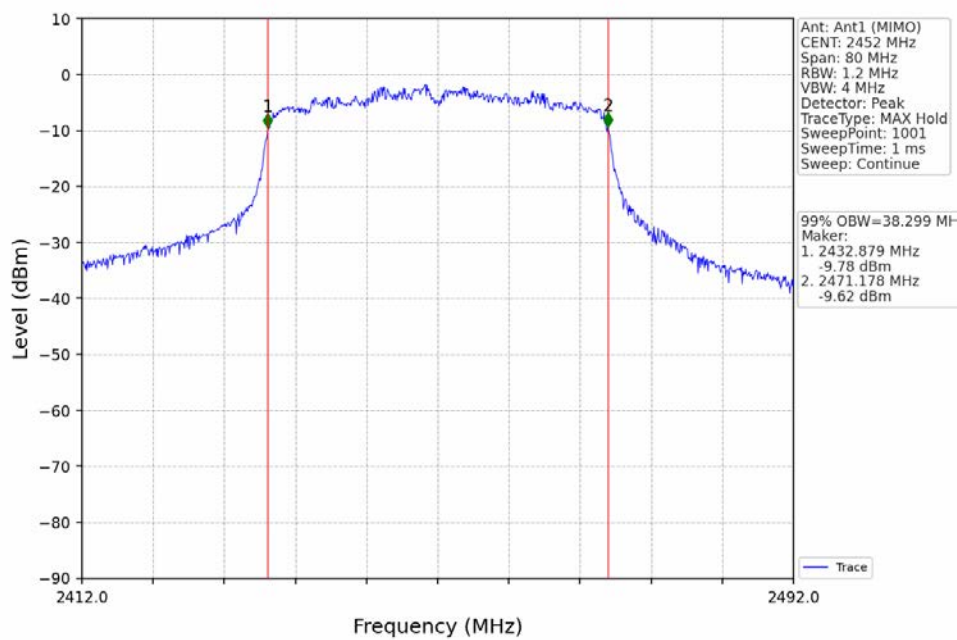
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (MIMO) NTNv



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTNv

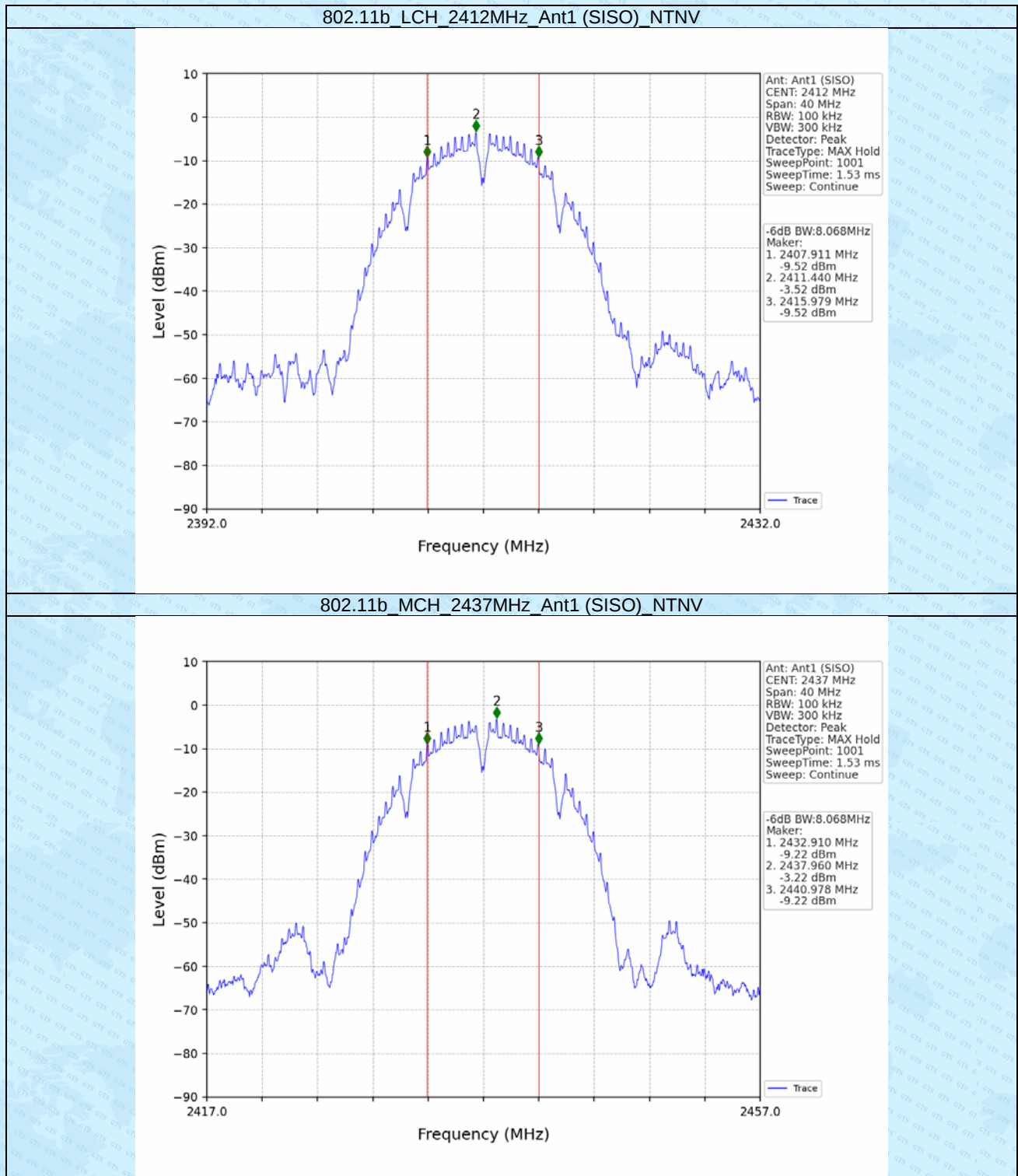


2.2 6dB BW

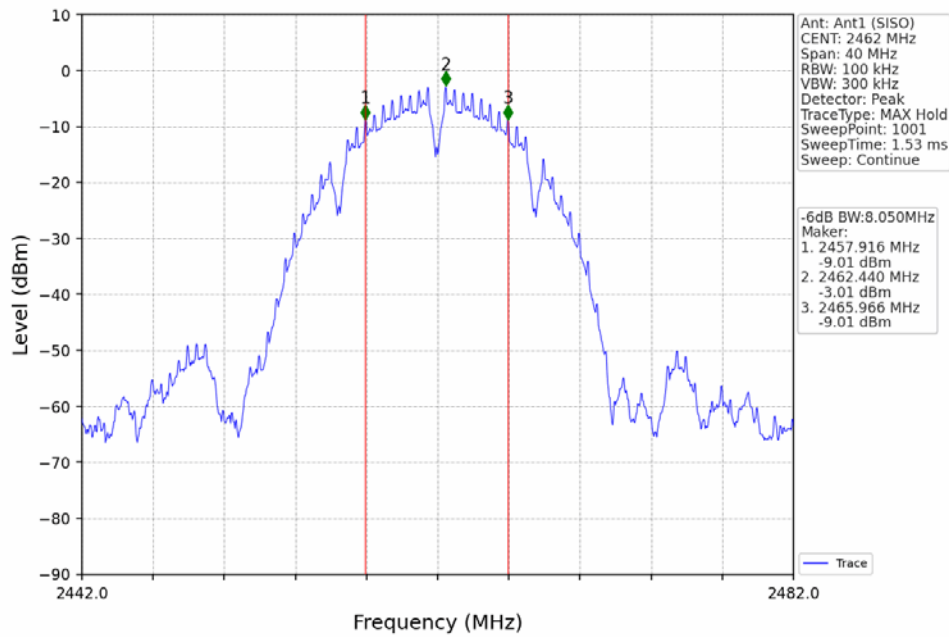
2.2.1 Test Result

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

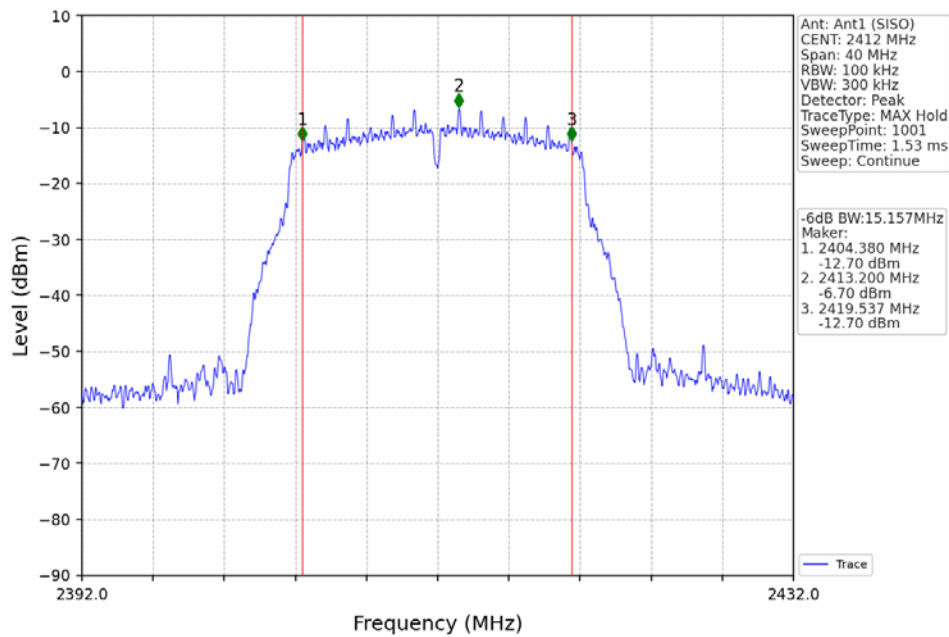
2.2.2 Test Graph



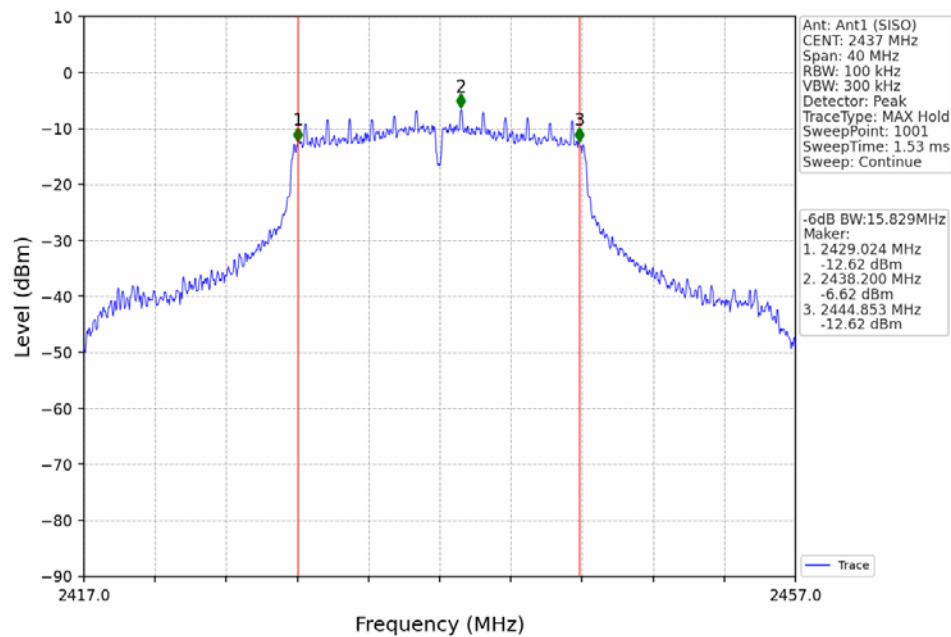
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



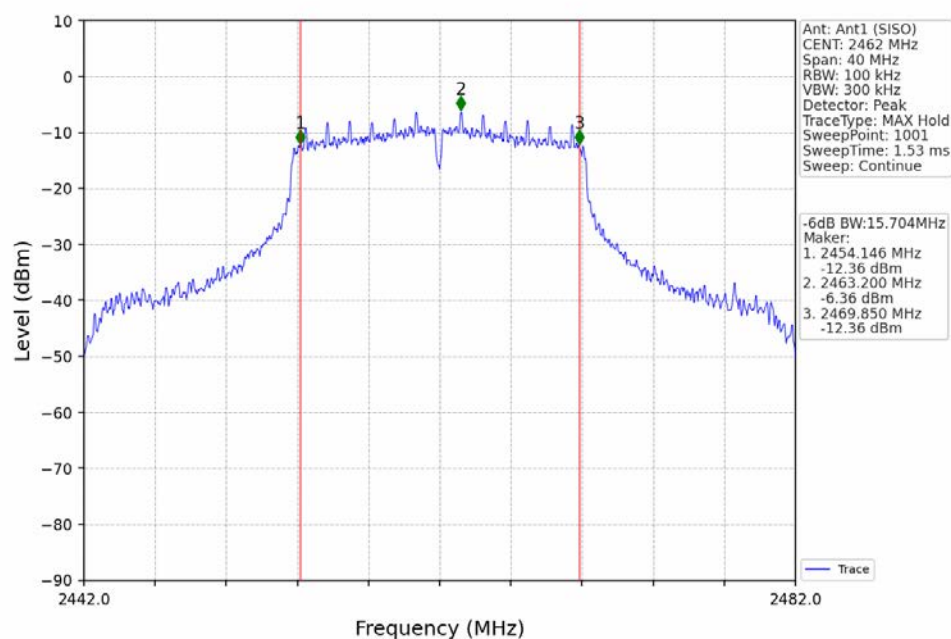
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



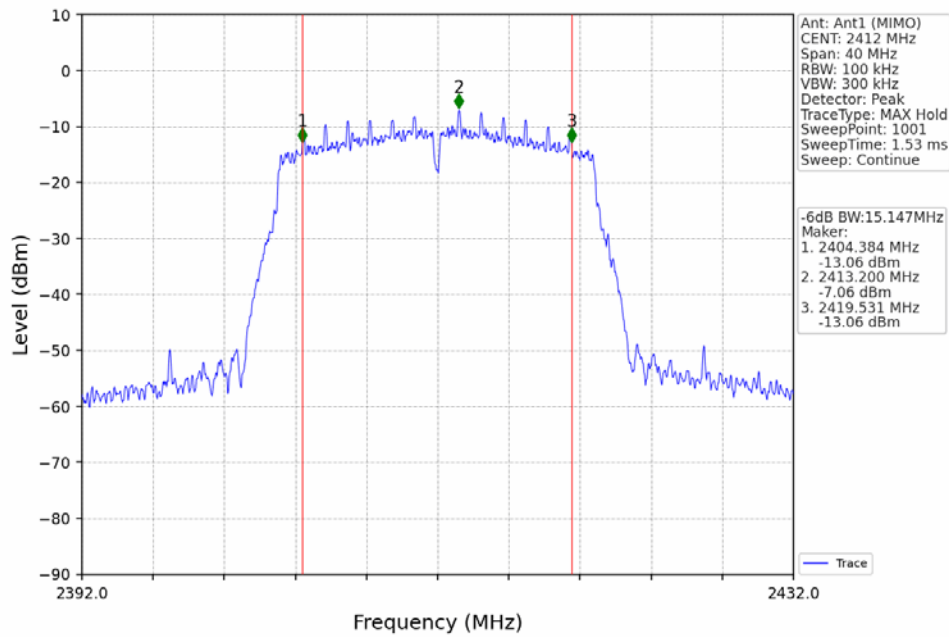
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



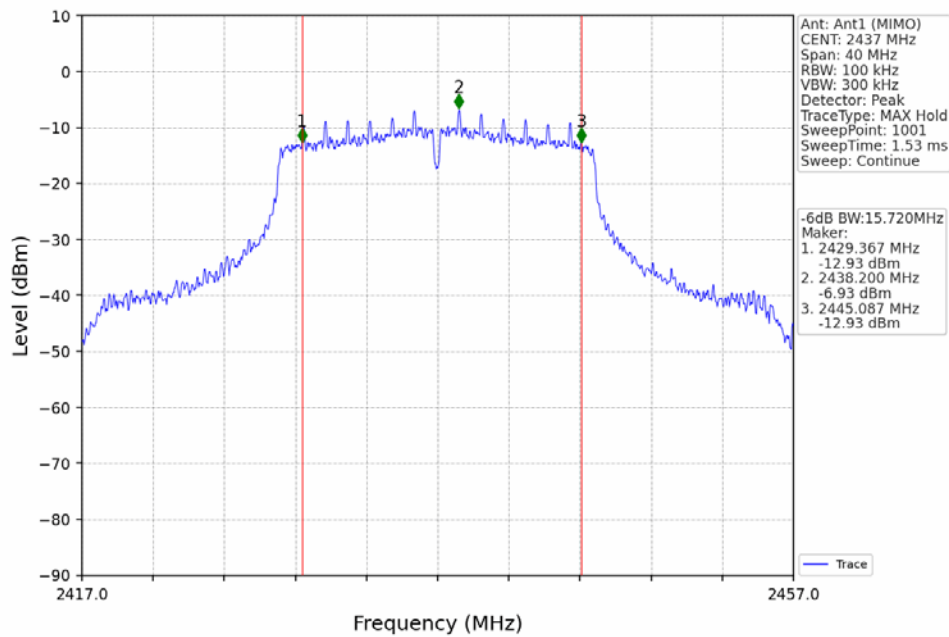
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



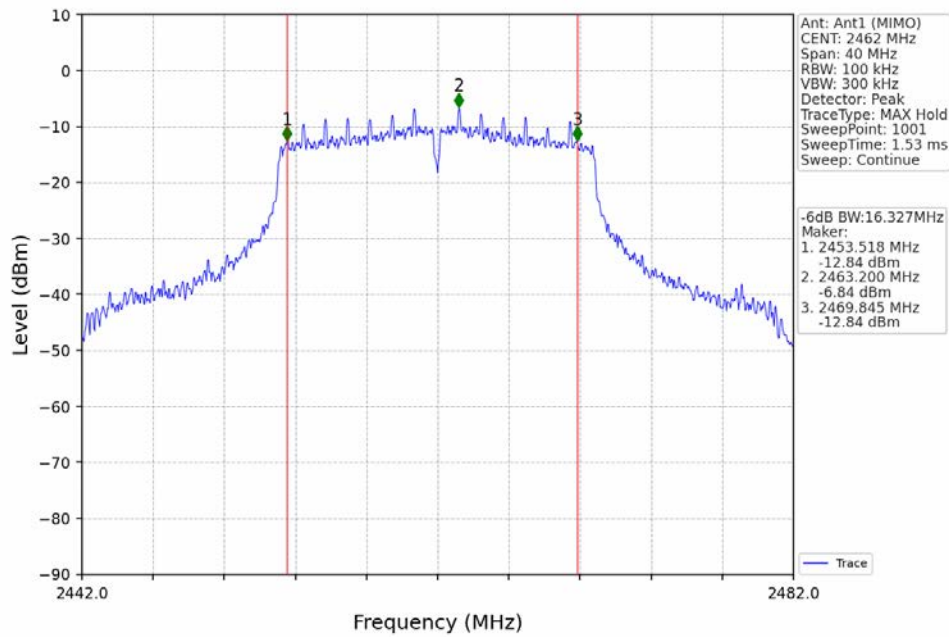
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO) NTN



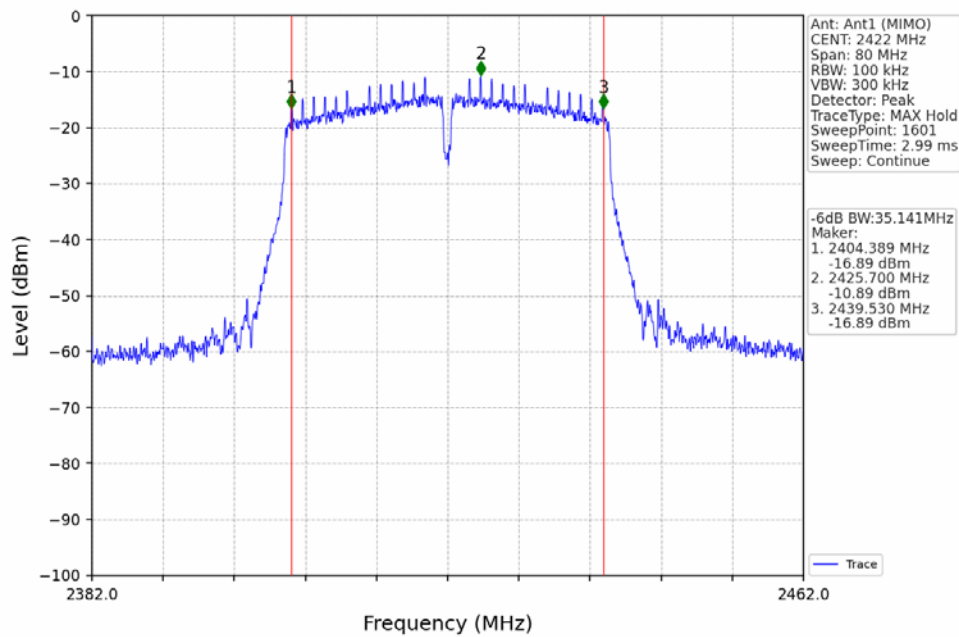
802.11n(HT20) MCH 2437MHz_Ant1 (MIMO) NTN



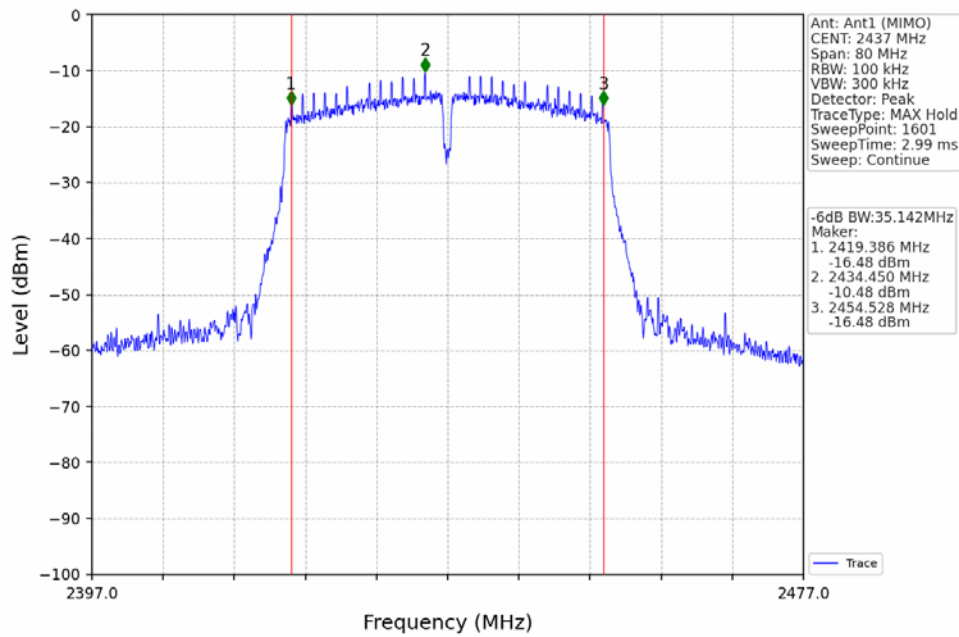
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTN



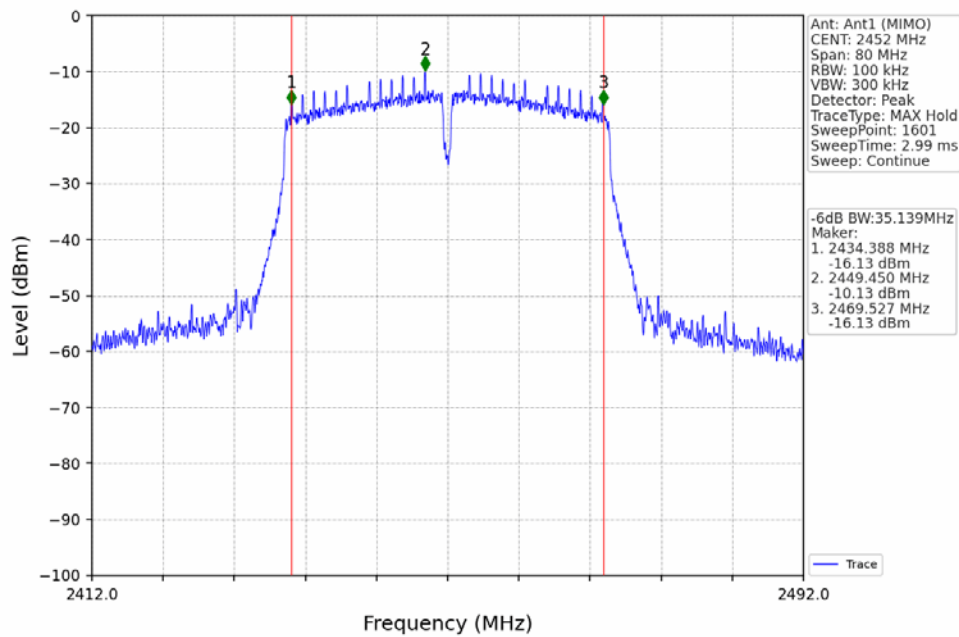
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTN



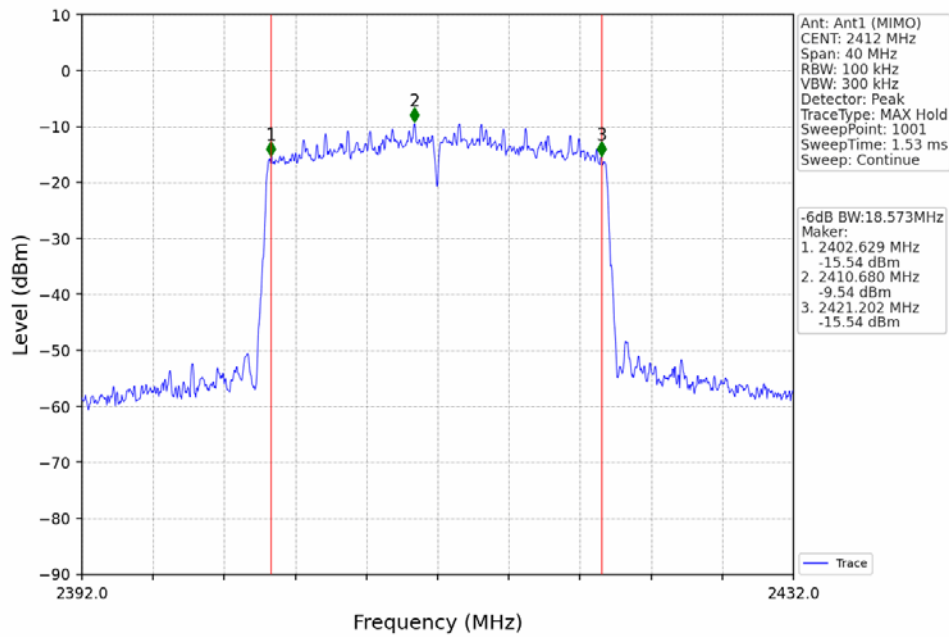
802.11n(HT40) MCH 2437MHz_Ant1 (MIMO) NTNv



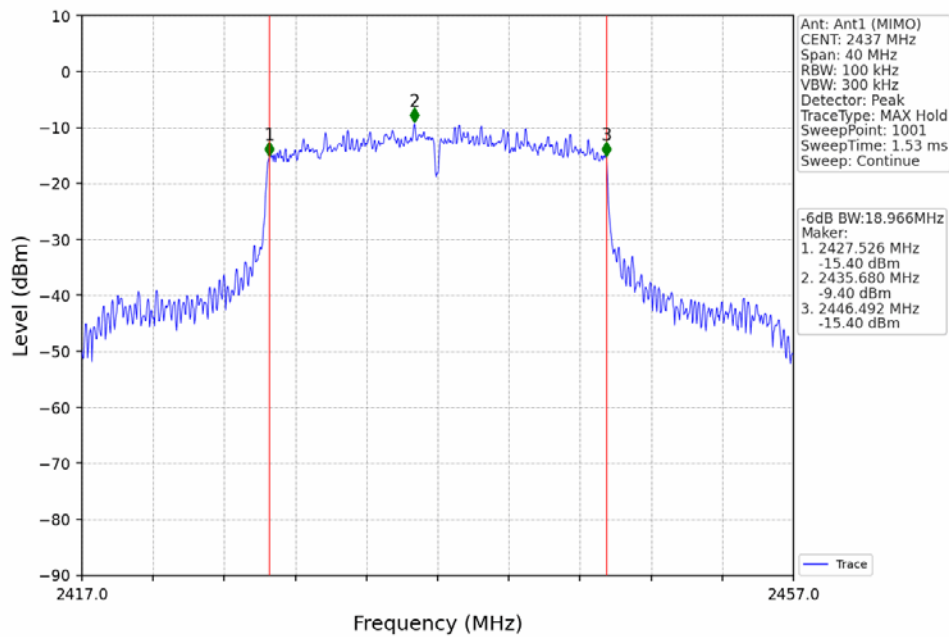
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO) NTNv



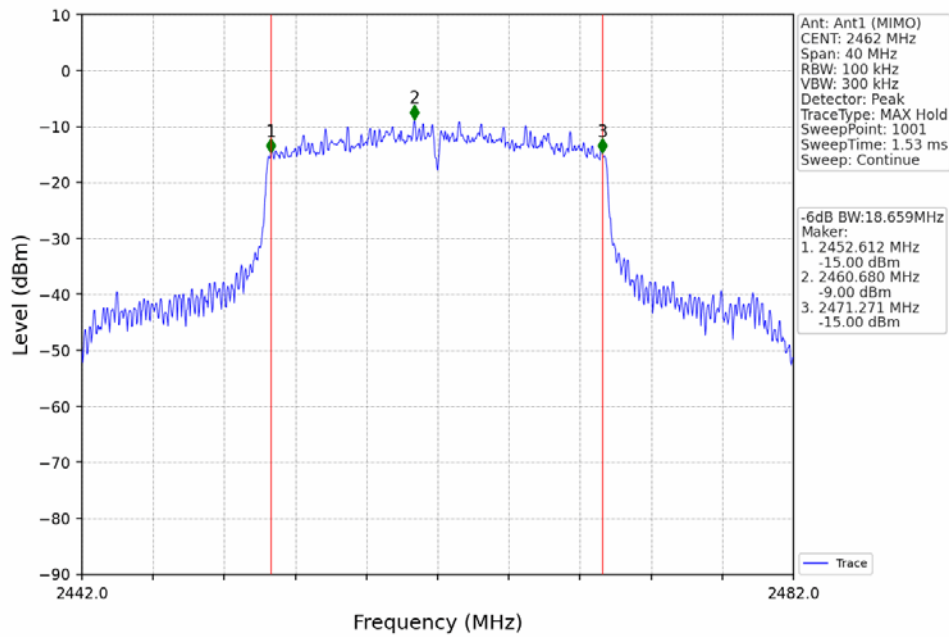
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNW



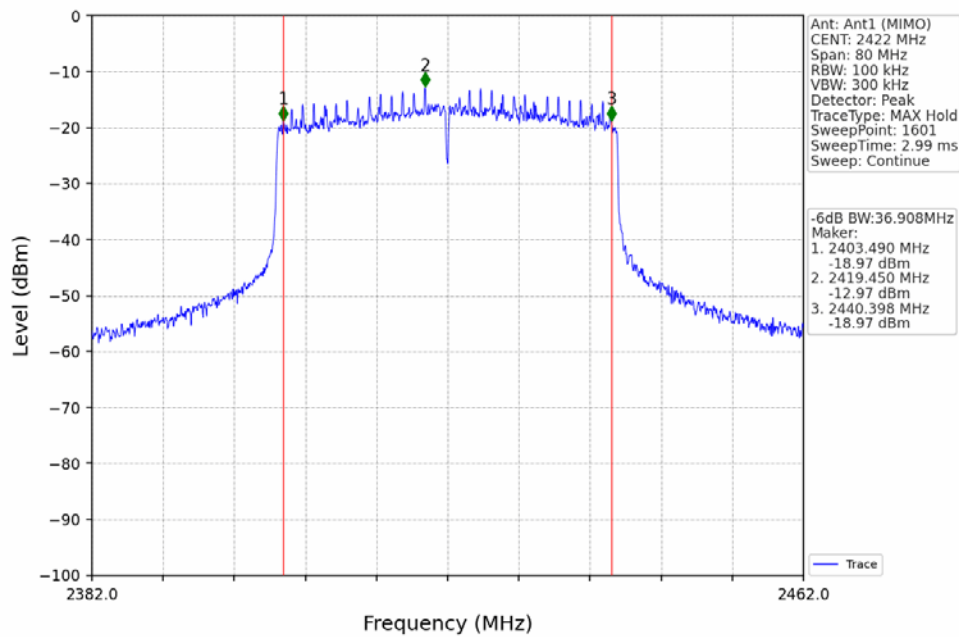
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (MIMO) NTNW



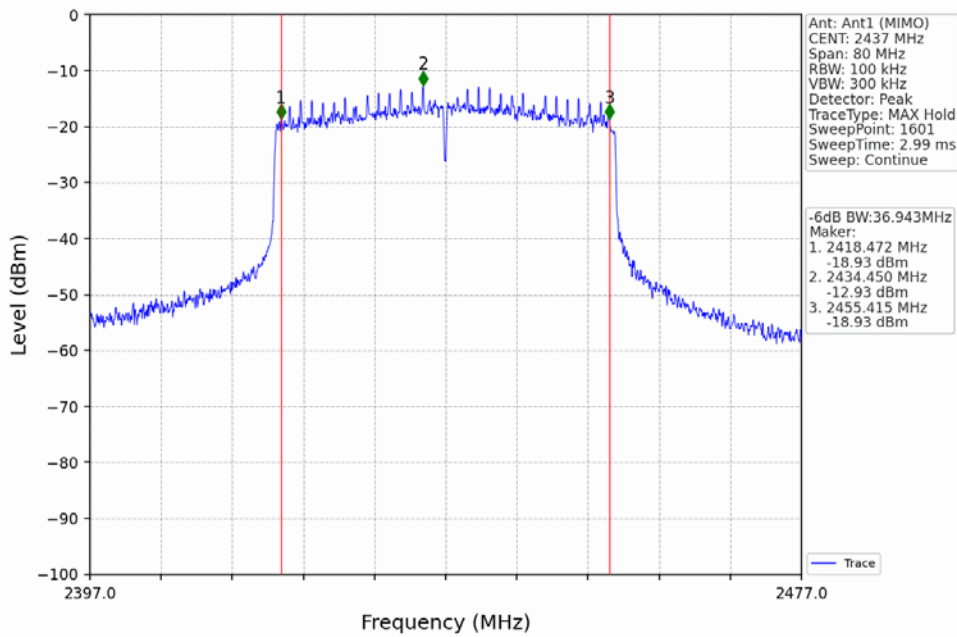
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (MIMO) NTNv



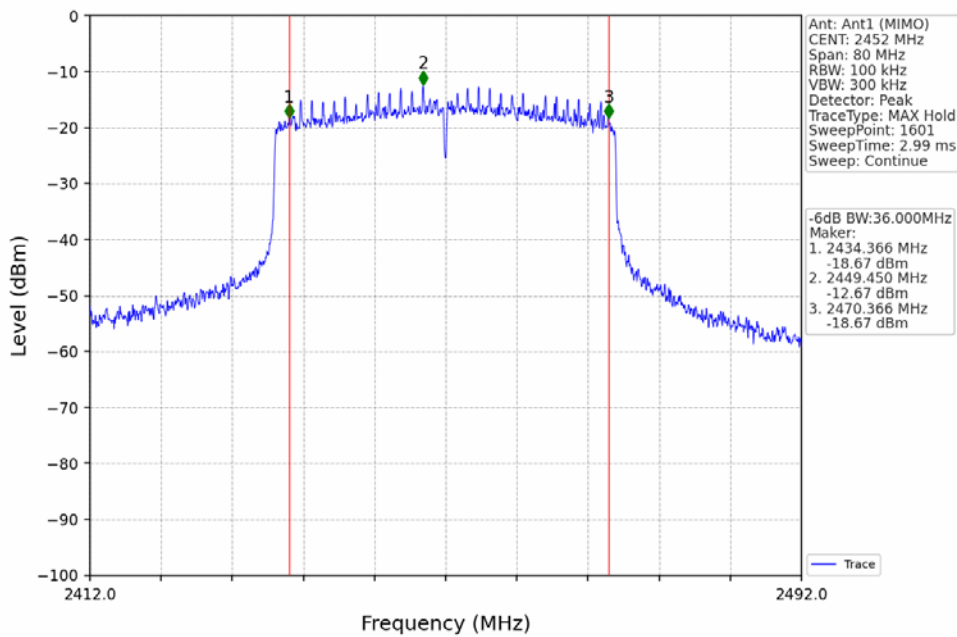
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTNv



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

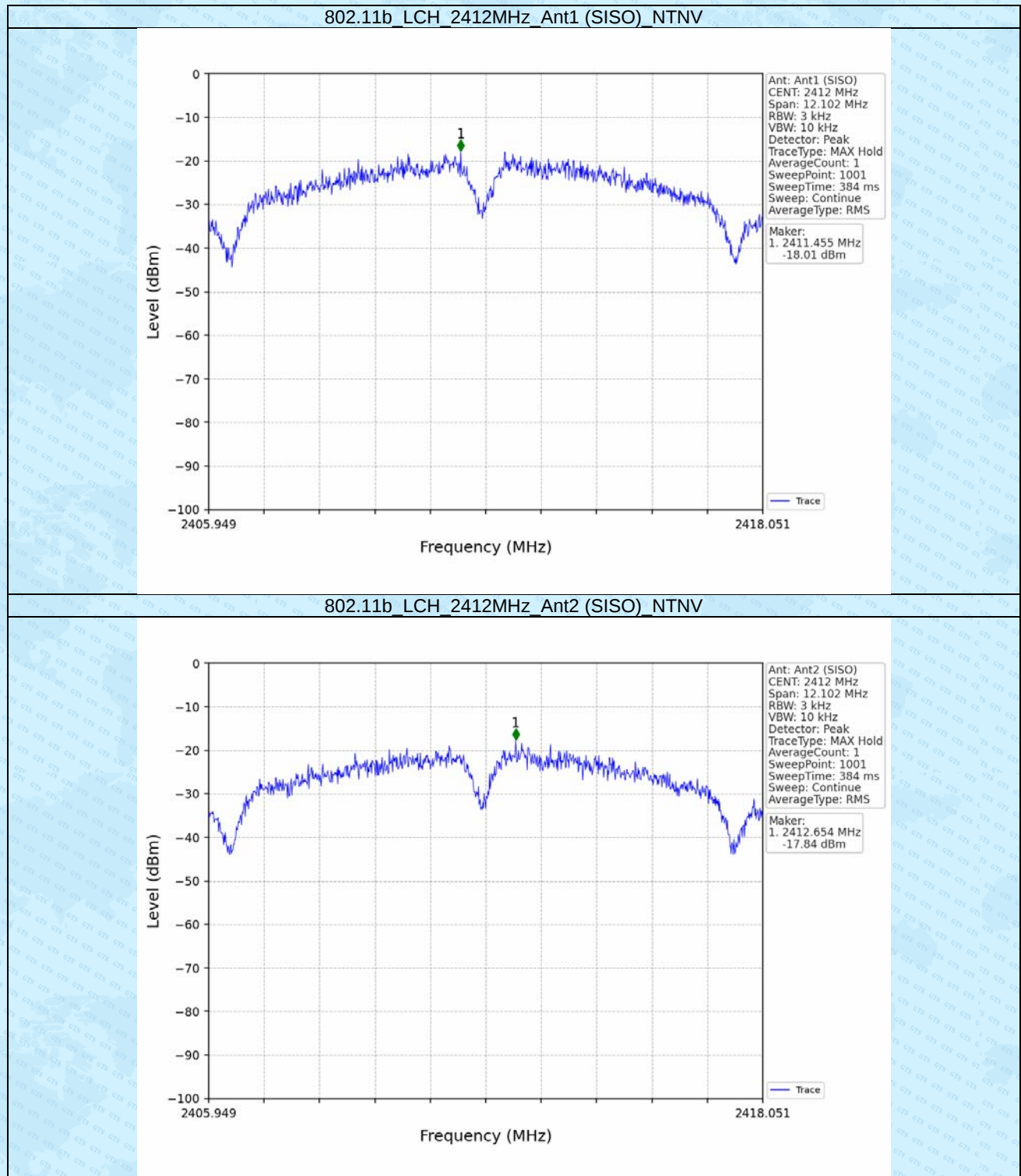
4.1 PSD

4.1.1 Test Result

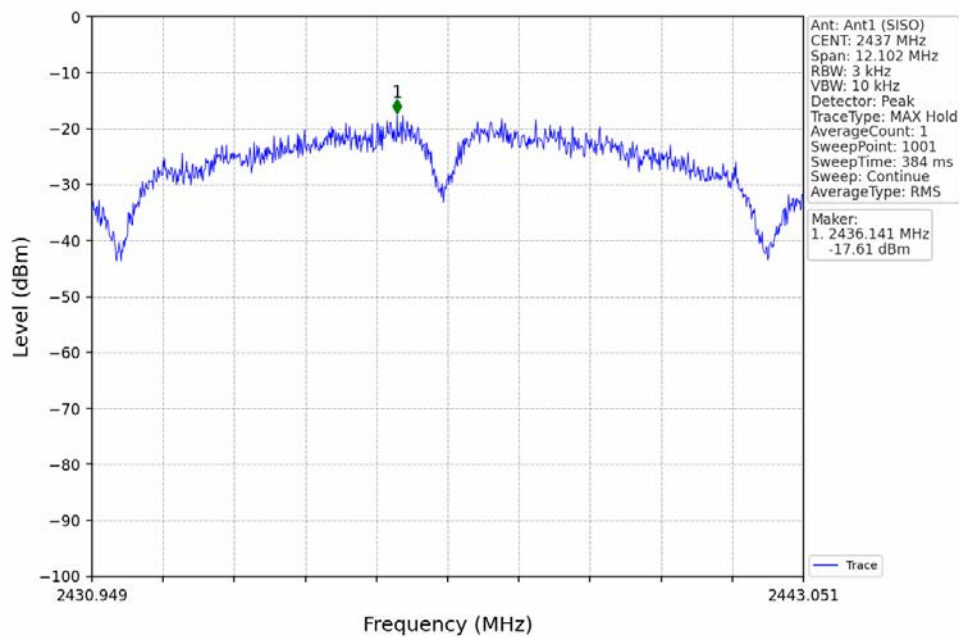
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-18.01	-17.84	/	<=8	Pass
		2437	/	/	-17.61	-18.12	/	<=8	Pass
		2462	/	/	-18.24	-18.17	/	<=8	Pass
802.11g	SISO	2412	/	/	-21.15	-20.73	/	<=7.8	Pass
		2437	/	/	-20.41	-20.87	/	<=7.8	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

