

1. Duty Cycle

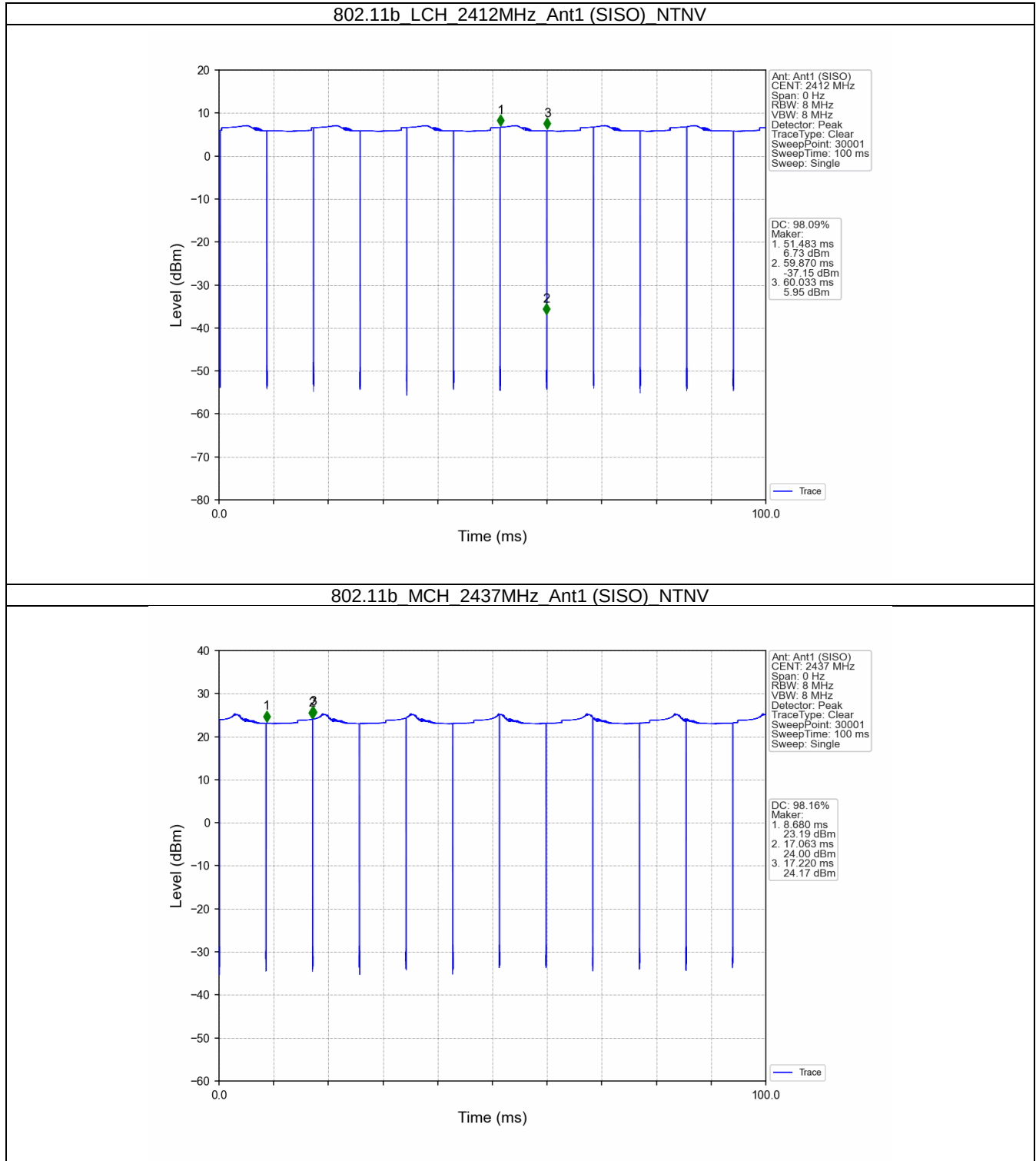
1.1 Test Result

1.1.1 Ant1

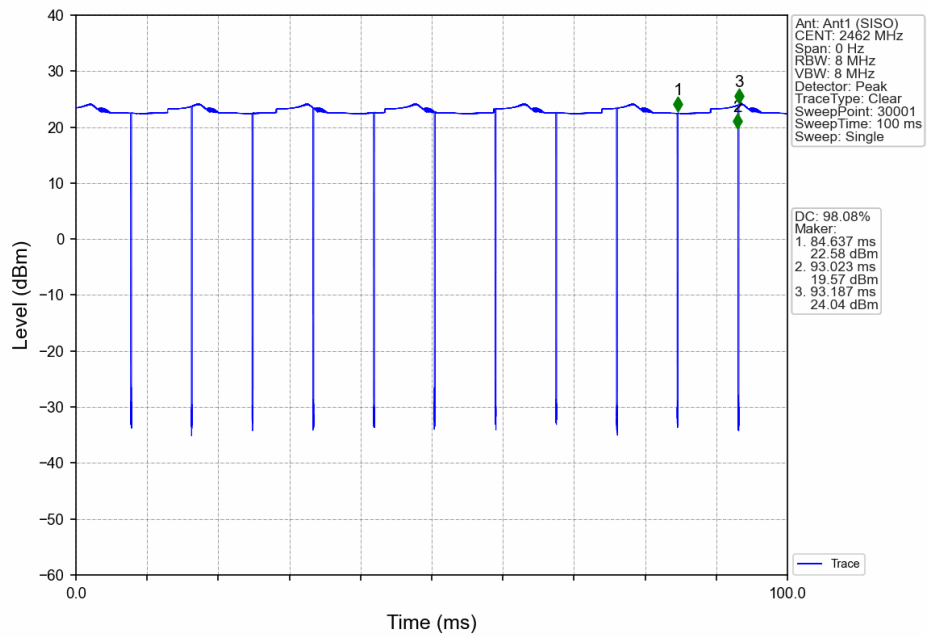
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.387	8.550	98.09	0.08	0.31
		2437	/	/	8.383	8.540	98.16	0.08	0.12
		2462	/	/	8.386	8.550	98.08	0.08	0.19
802.11g	SISO	2412	/	/	1.393	1.553	89.70	0.47	1.00
		2437	/	/	1.393	1.554	89.64	0.47	1.06
		2462	/	/	1.393	1.545	90.16	0.45	0.57
802.11n (HT20)	SISO	2412	/	/	1.174	1.336	87.87	0.56	1.21
		2437	/	/	1.174	1.336	87.87	0.56	1.19
		2462	/	/	1.174	1.336	87.87	0.56	1.21
802.11n (HT40)	SISO	2422	/	/	0.587	0.748	78.48	1.05	1.93
		2437	/	/	0.587	0.730	80.41	0.95	1.05
		2452	/	/	0.587	0.730	80.41	0.95	1.05
802.11n (HT20)	MIMO	2412	/	/	1.174	1.336	87.87	0.56	1.21
		2437	/	/	1.174	1.336	87.87	0.56	1.85
		2462	/	/	1.174	1.363	86.13	0.65	3.54
802.11n (HT40)	MIMO	2422	/	/	0.587	0.748	78.48	1.05	1.93
		2437	/	/	0.587	0.748	78.48	1.05	1.96
		2452	/	/	0.587	0.748	78.48	1.05	1.97
802.11ax (HEW20)	SISO	2412	RU242	Left	1.174	1.336	87.87	0.56	1.78
		2437	RU242	Left	1.174	1.363	86.13	0.65	2.98
		2462	RU242	Left	1.174	1.336	87.87	0.56	1.22
802.11ax (HEW40)	SISO	2422	RU484	Left	0.588	0.757	77.68	1.10	2.88
		2437	RU484	Left	0.587	0.748	78.48	1.05	1.93
		2452	RU484	Left	0.587	0.739	79.43	1.00	1.00
802.11ax (HEW20)	MIMO	2412	RU242	Left	1.174	1.336	87.87	0.56	1.21
		2437	RU242	Left	1.175	1.337	87.88	0.56	1.22
		2462	RU242	Left	1.174	1.336	87.87	0.56	1.22
802.11ax (HEW40)	MIMO	2422	RU484	Left	0.588	0.748	78.61	1.05	1.96
		2437	RU484	Left	0.587	0.748	78.48	1.05	1.96
		2452	RU484	Left	0.587	0.748	78.48	1.05	2.92

1.2 Test Graph

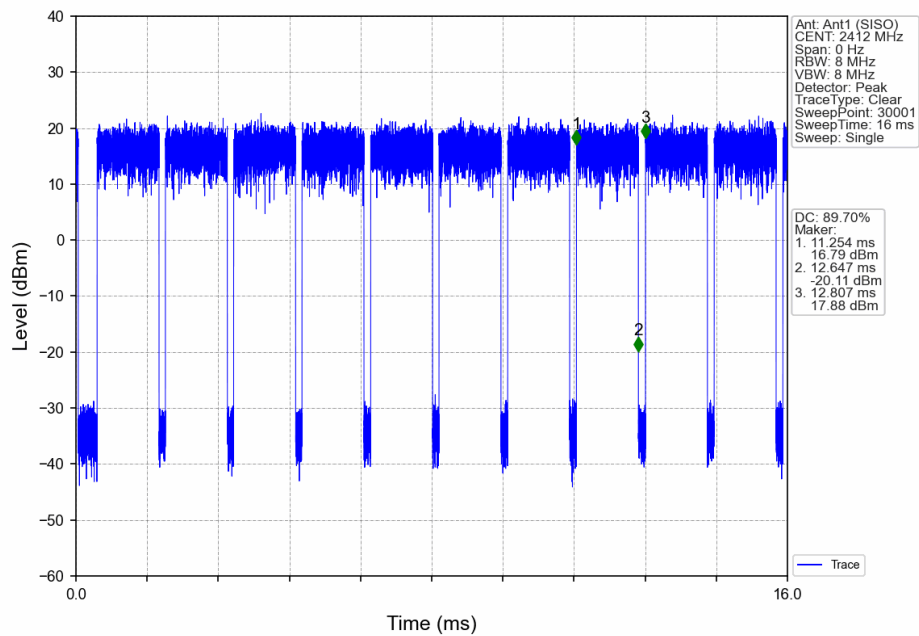
1.2.1 Ant1



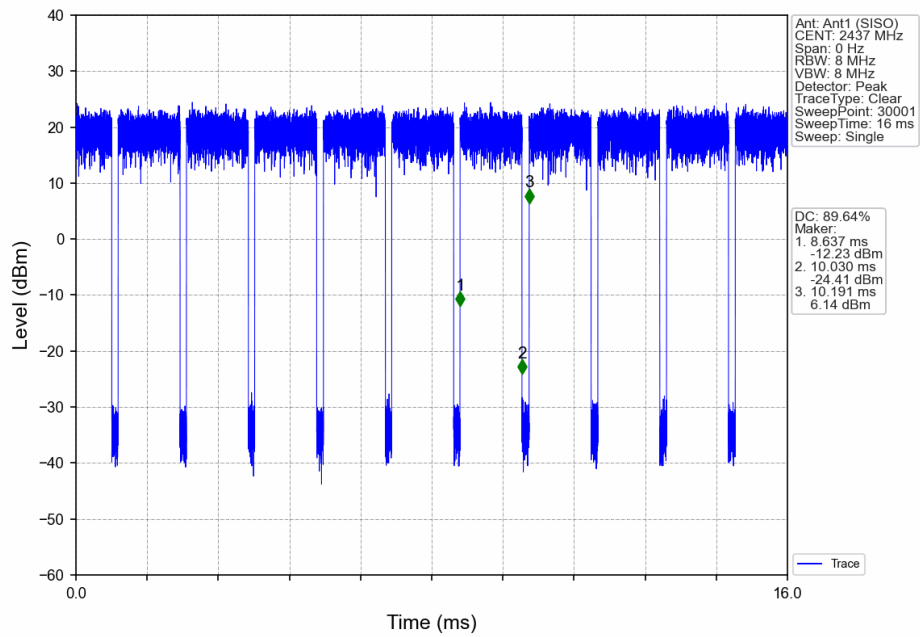
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



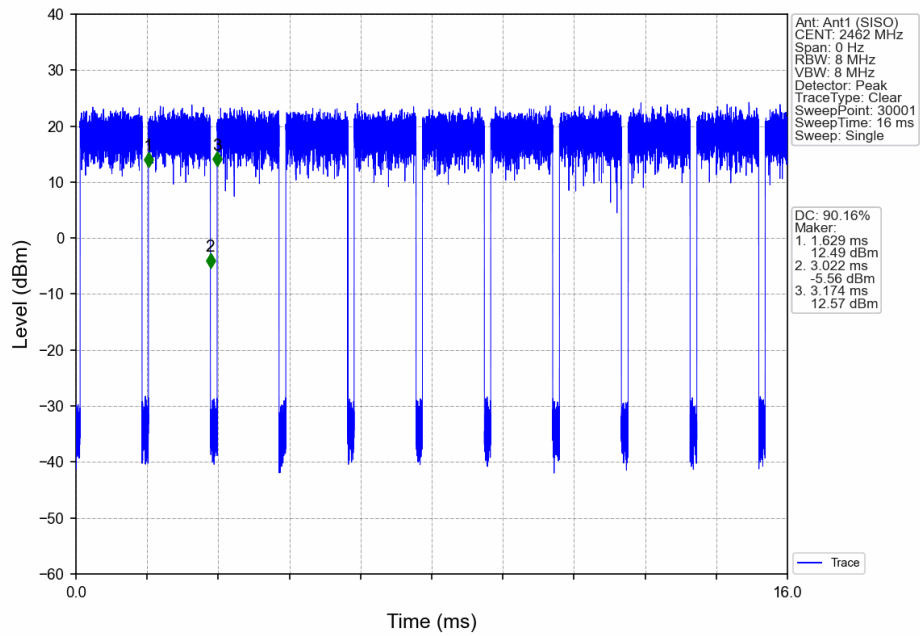
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



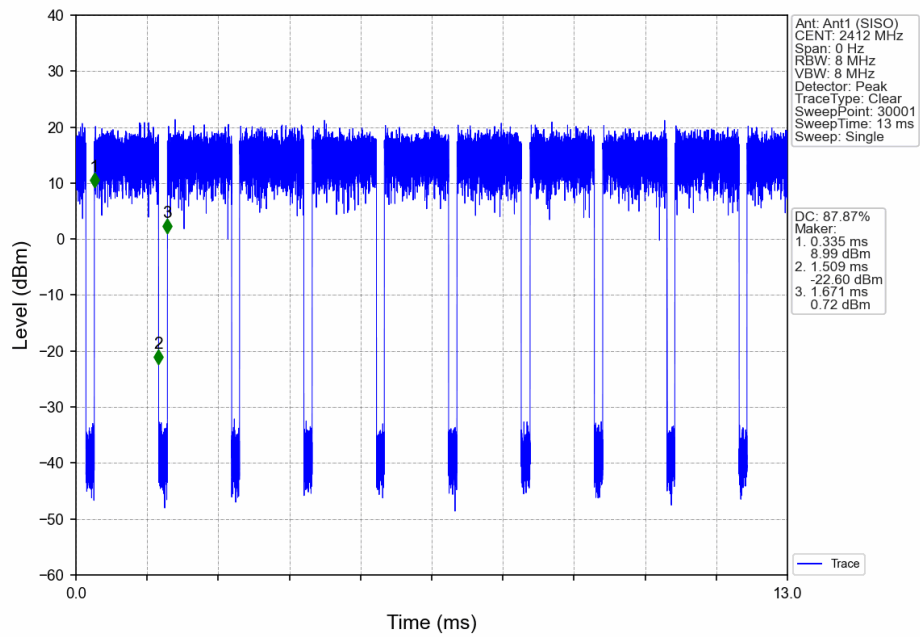
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



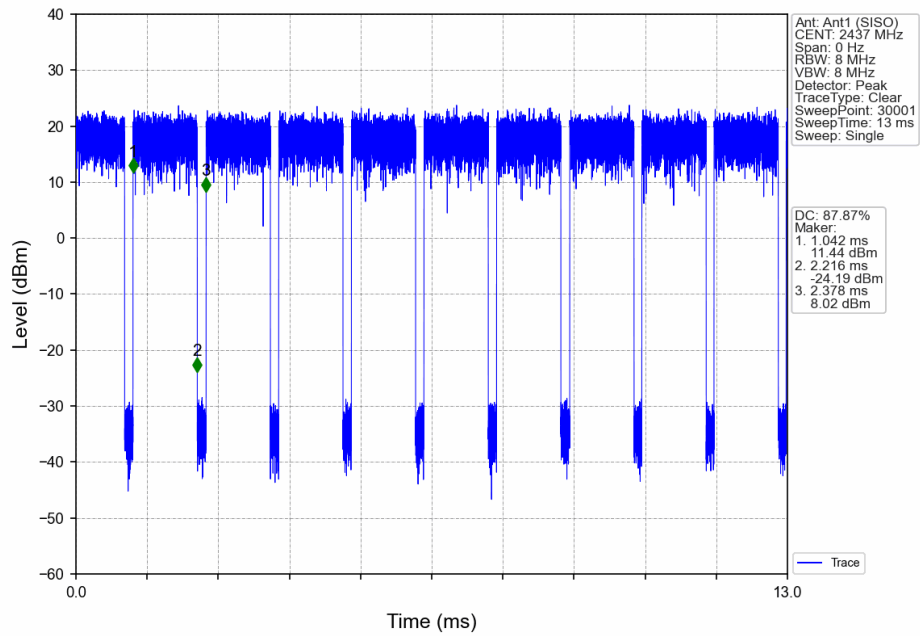
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



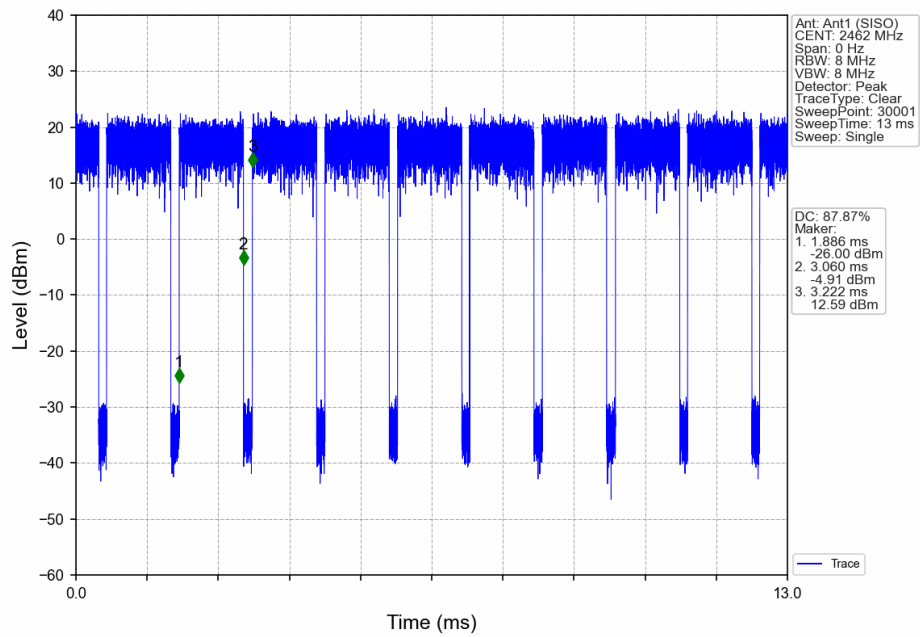
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



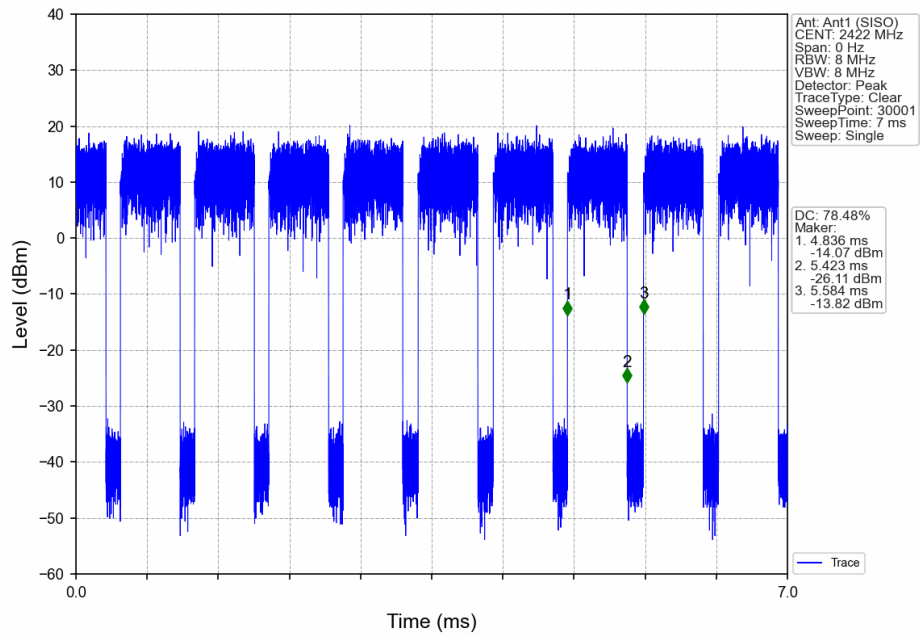
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



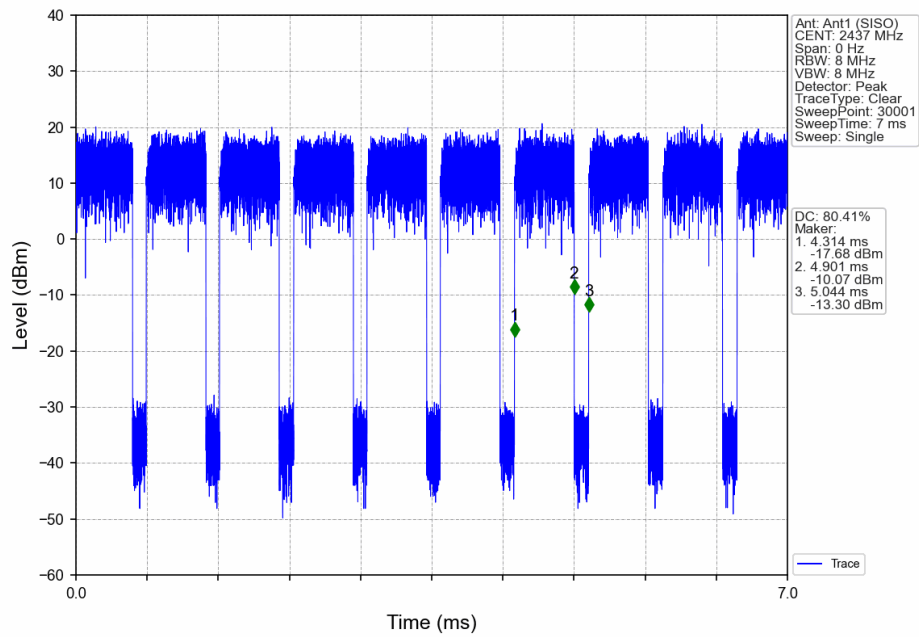
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



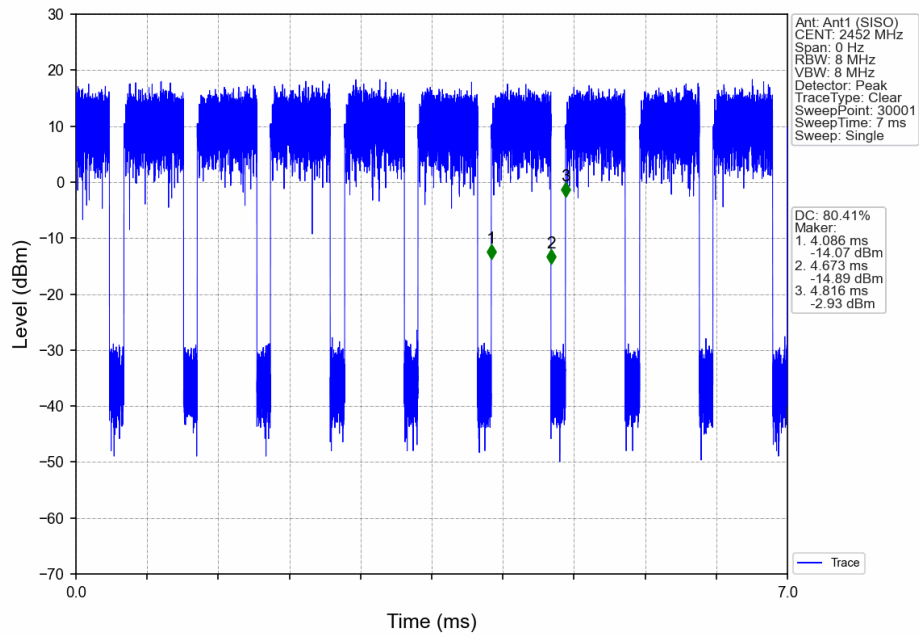
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



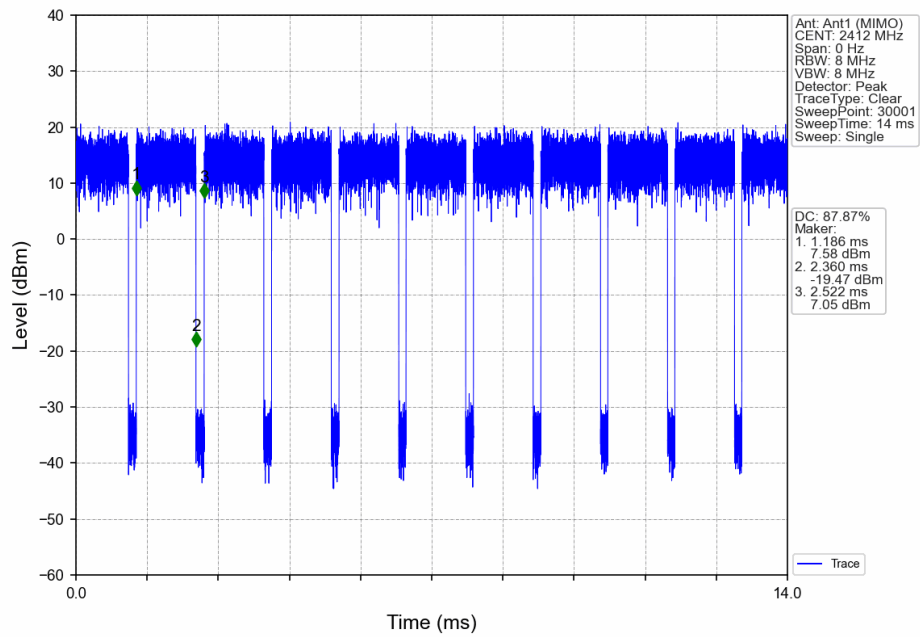
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



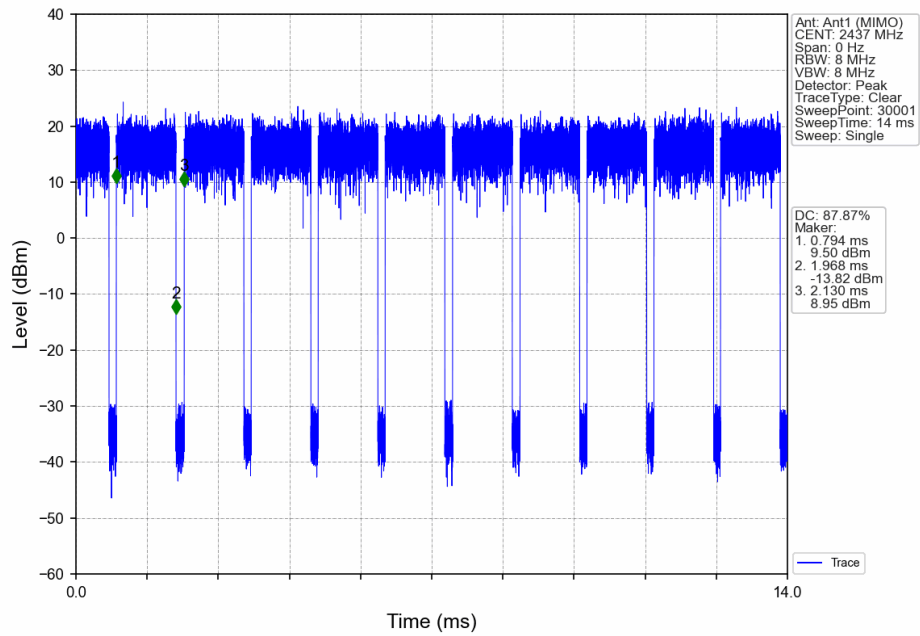
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



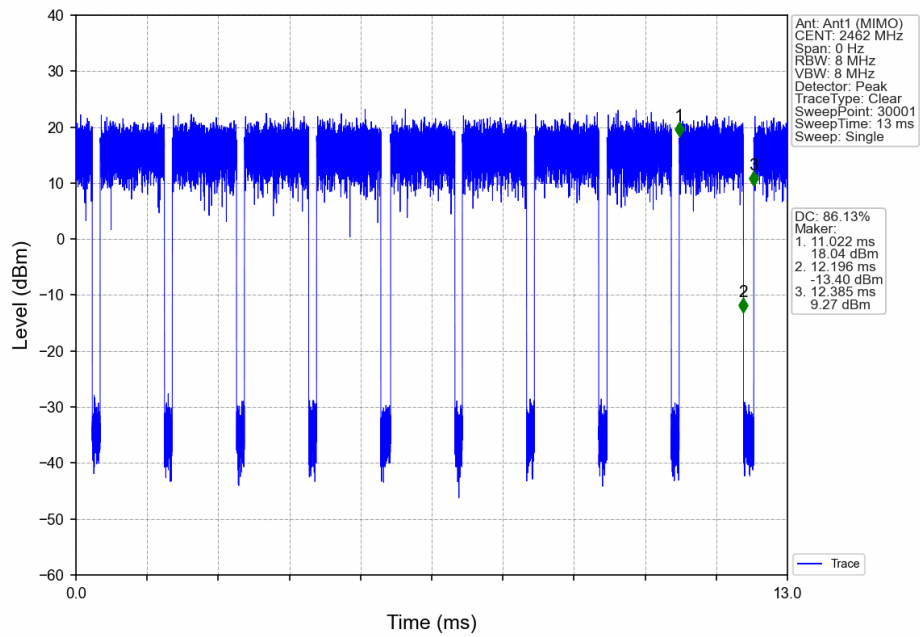
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



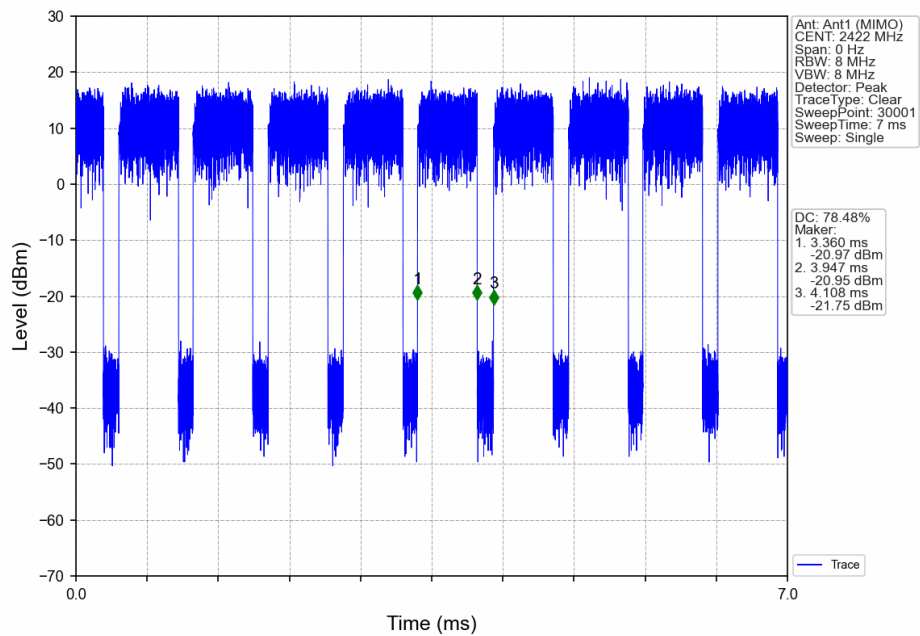
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



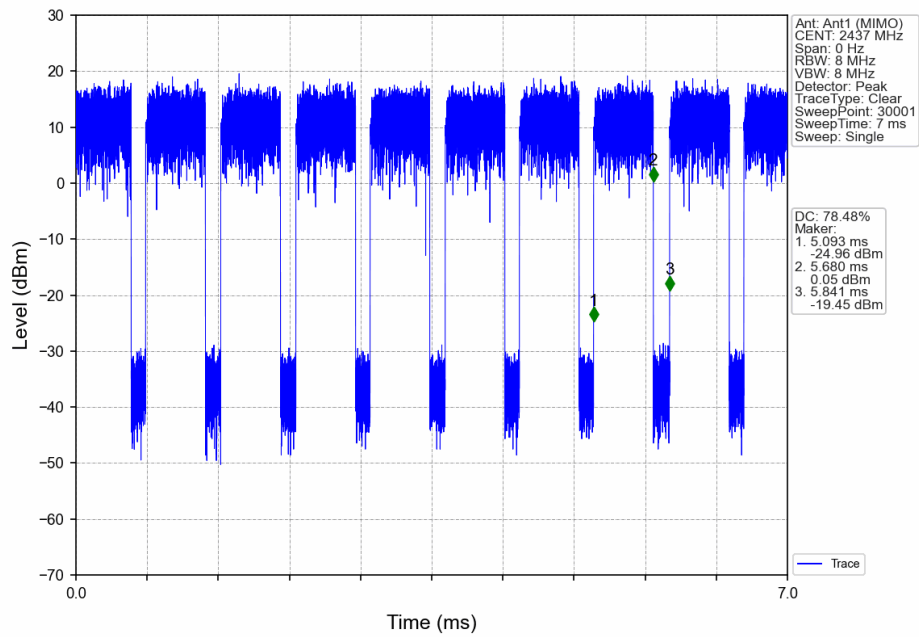
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



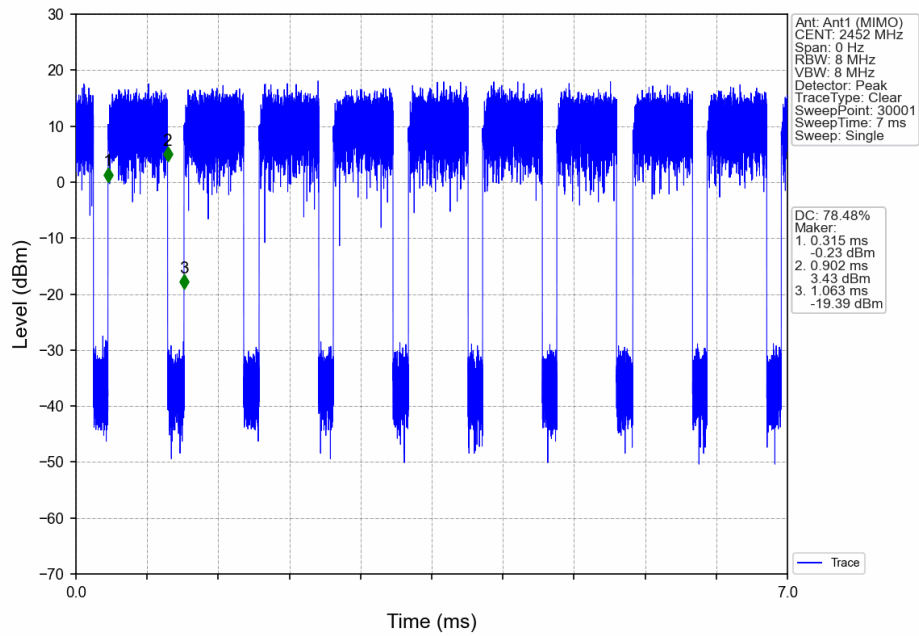
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



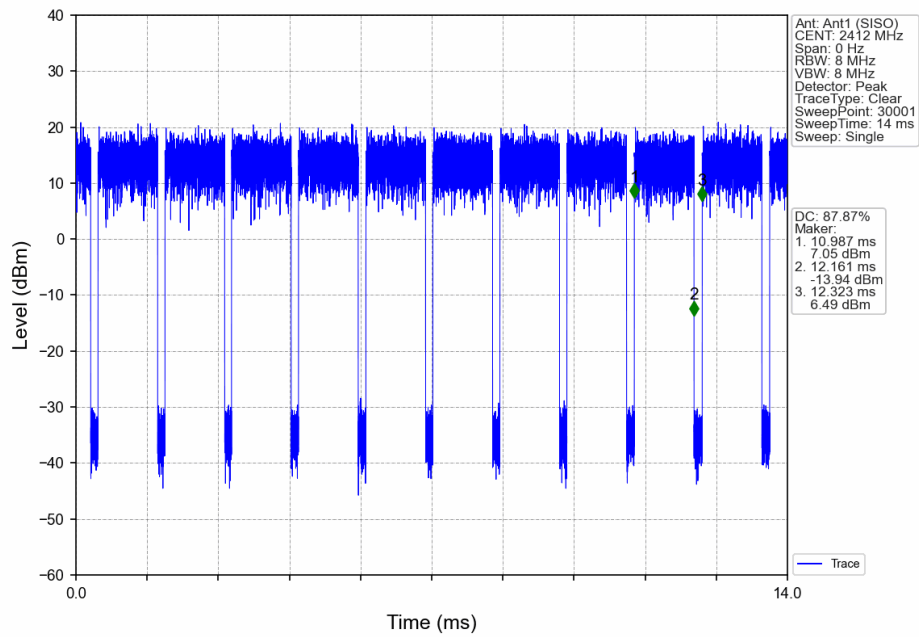
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



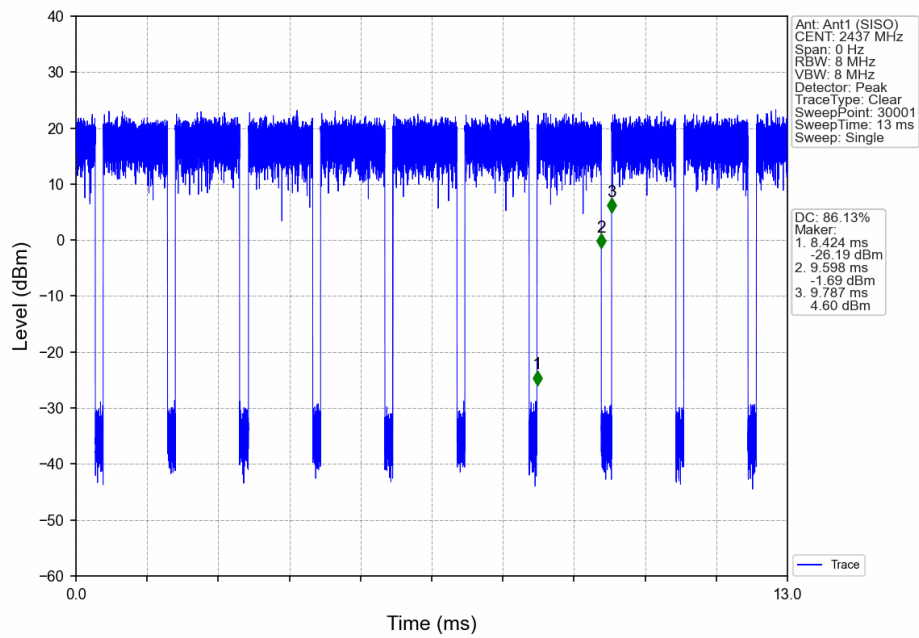
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



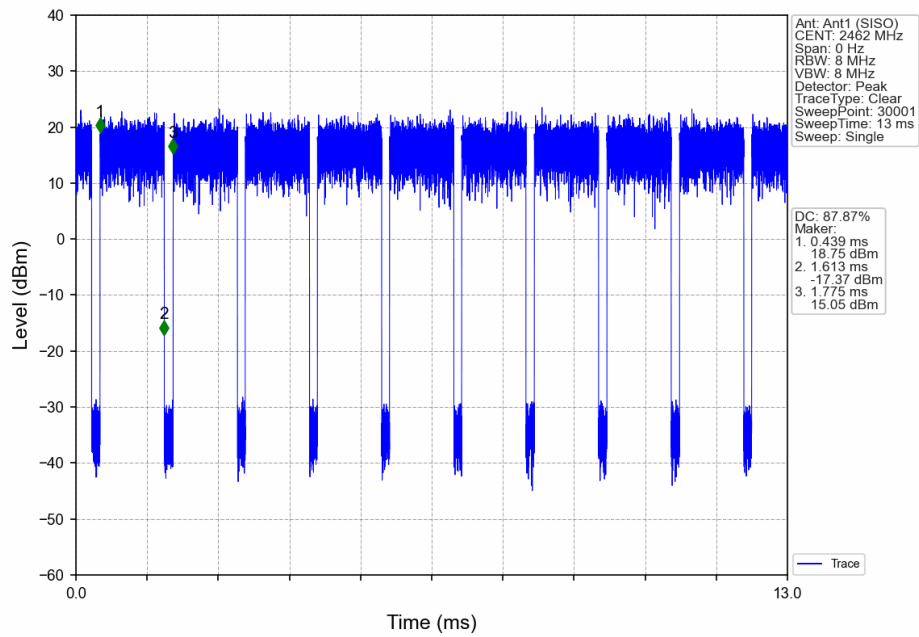
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



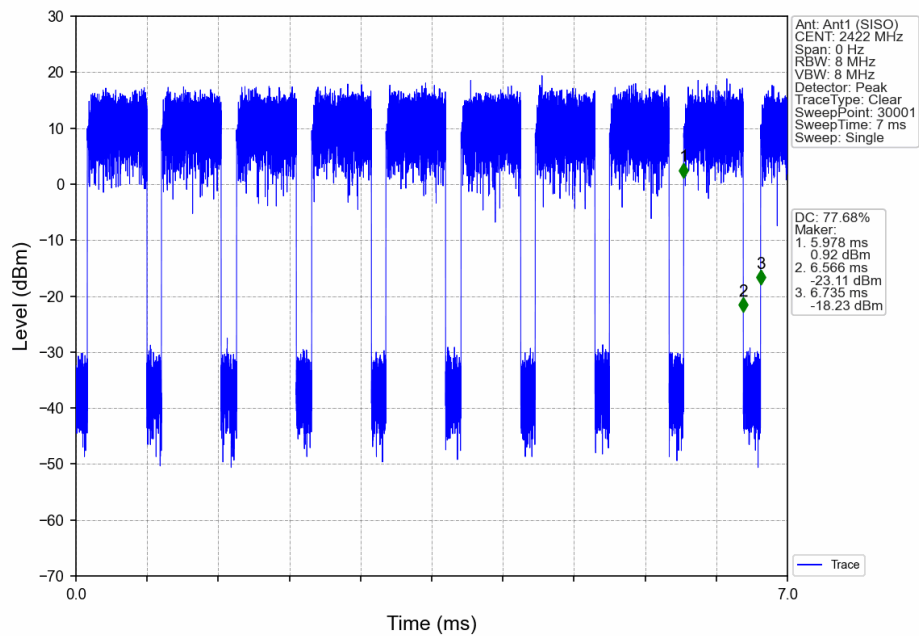
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



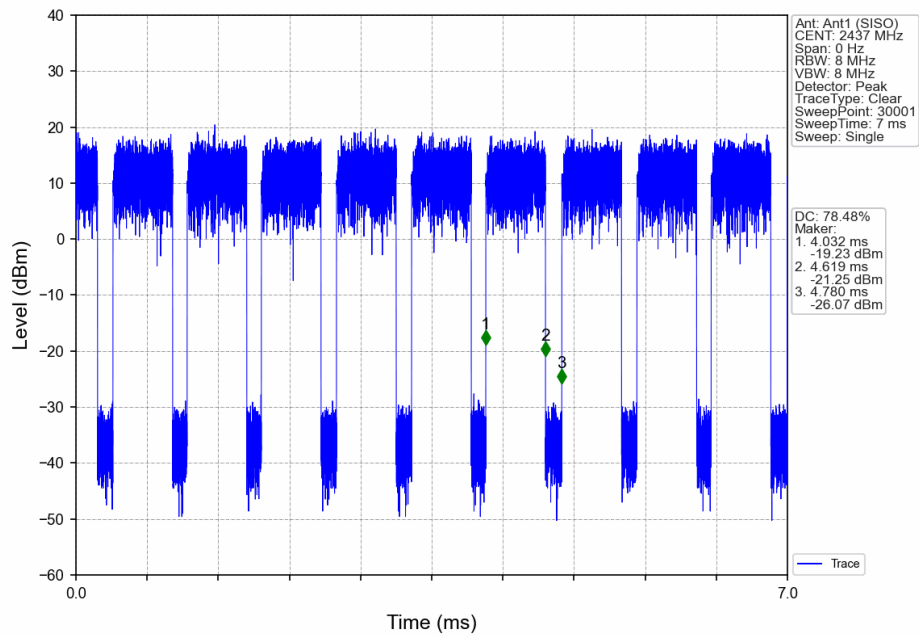
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



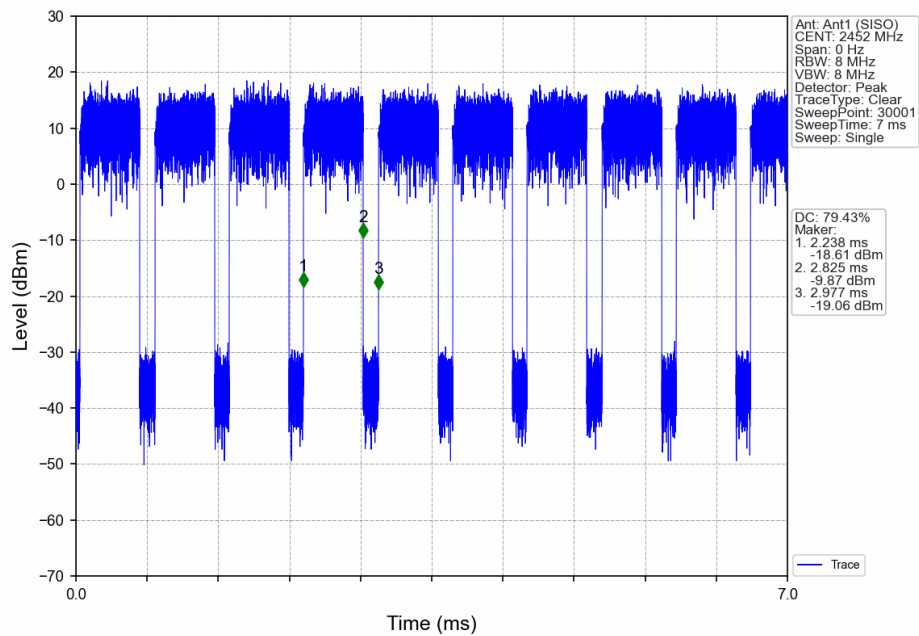
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



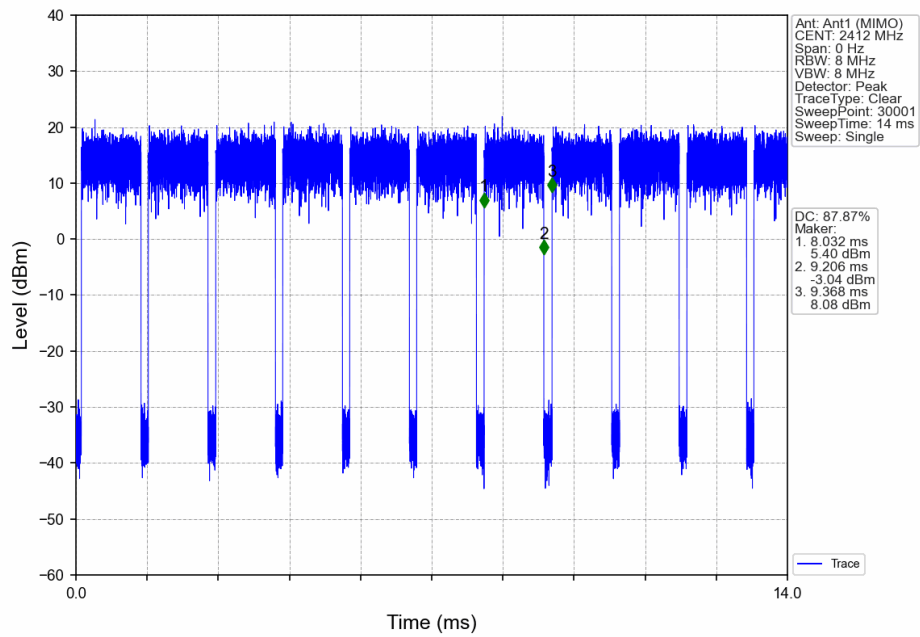
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



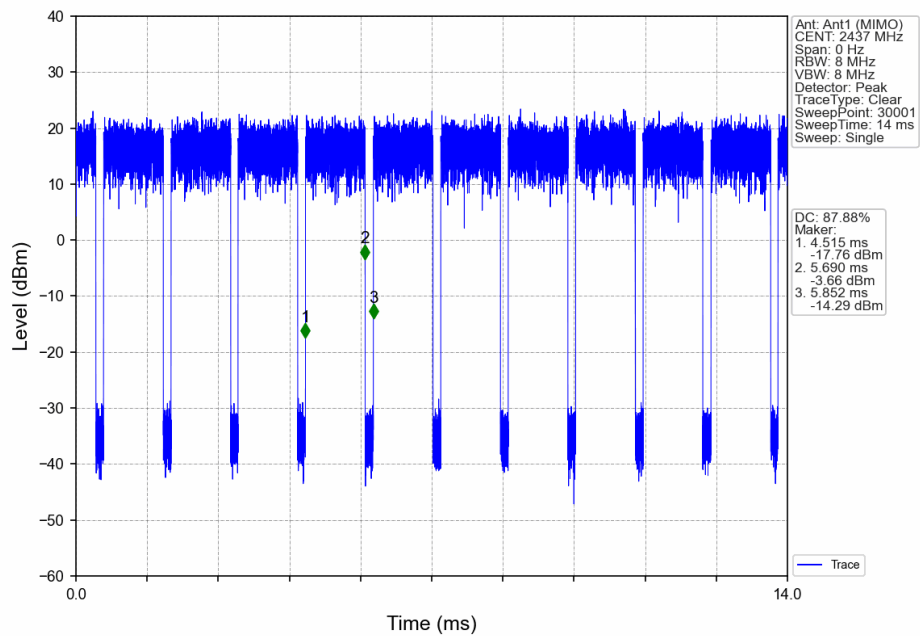
802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



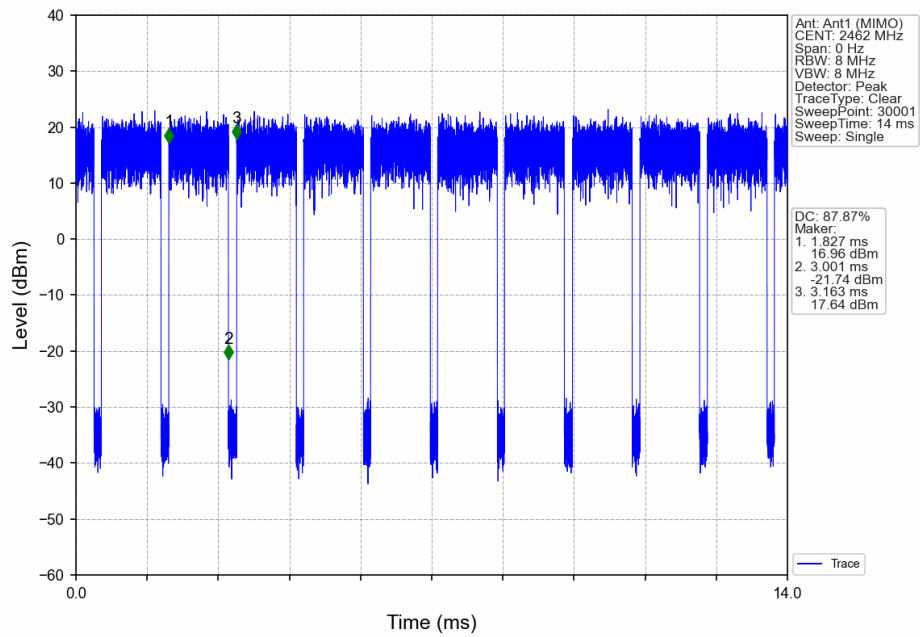
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



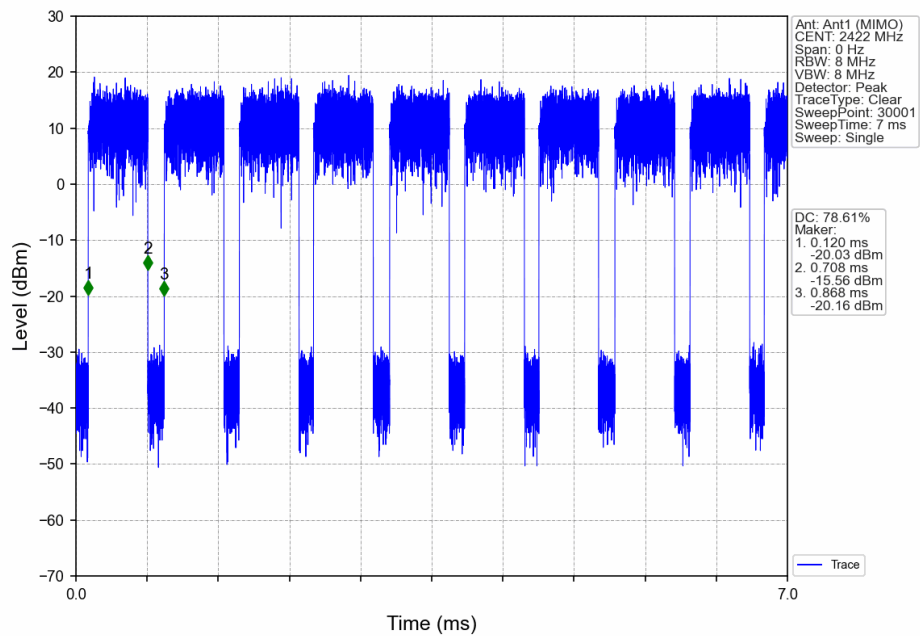
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



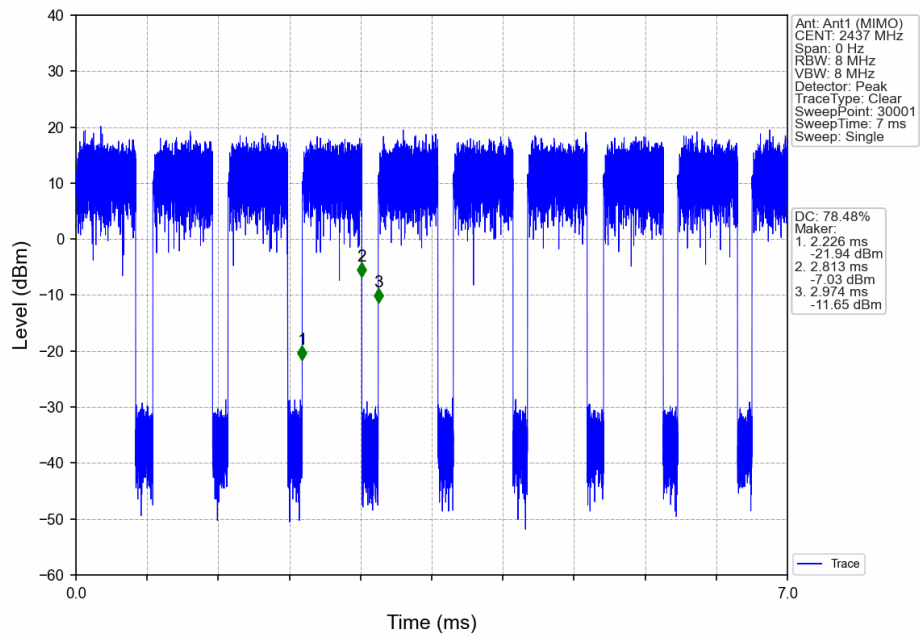
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



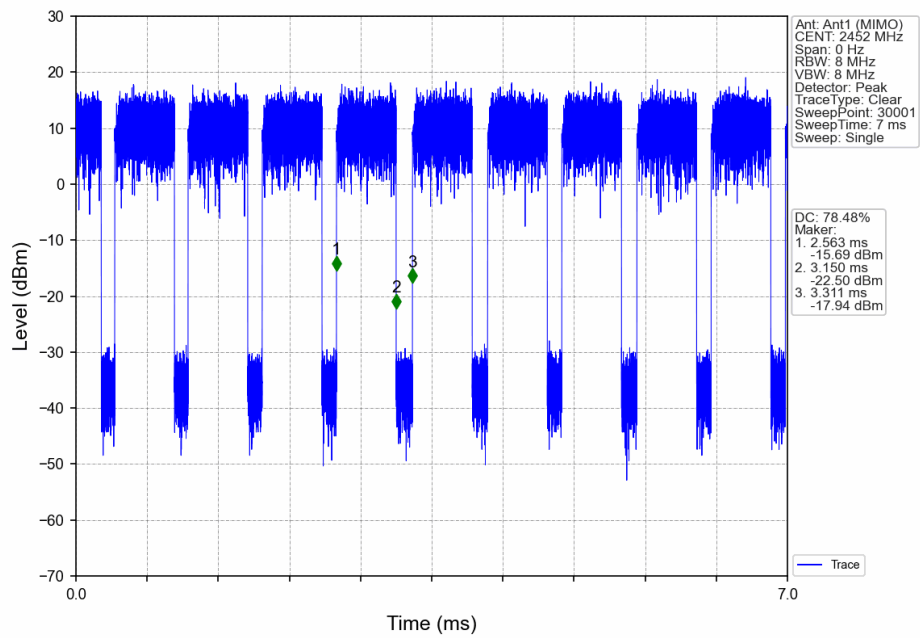
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	12.073	/	Pass
		2437	/	/	1	12.628	/	Pass
		2462	/	/	1	12.335	/	Pass
802.11g	SISO	2412	/	/	1	17.664	/	Pass
		2437	/	/	1	21.775	/	Pass
		2462	/	/	1	18.447	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.421	/	Pass
		2437	/	/	1	18.921	/	Pass
		2462	/	/	1	18.852	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.406	/	Pass
		2437	/	/	1	37.639	/	Pass
		2452	/	/	1	37.004	/	Pass
802.11n (HT20)	MIMO	2412	/	/	1	18.382	/	Pass
		2437	/	/	1	20.294	/	Pass
		2462	/	/	1	18.881	/	Pass
802.11n (HT40)	MIMO	2422	/	/	1	36.377	/	Pass
		2437	/	/	1	37.753	/	Pass
		2452	/	/	1	37.017	/	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	18.488	/	Pass
		2437	RU242	Left	1	19.373	/	Pass
		2462	RU242	Left	1	18.781	/	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	36.348	/	Pass
		2437	RU484	Left	1	37.472	/	Pass
		2452	RU484	Left	1	37.072	/	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.407	/	Pass
		2437	RU242	Left	1	19.834	/	Pass
		2462	RU242	Left	1	18.922	/	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	36.409	/	Pass
		2437	RU484	Left	1	37.629	/	Pass
		2452	RU484	Left	1	37.128	/	Pass

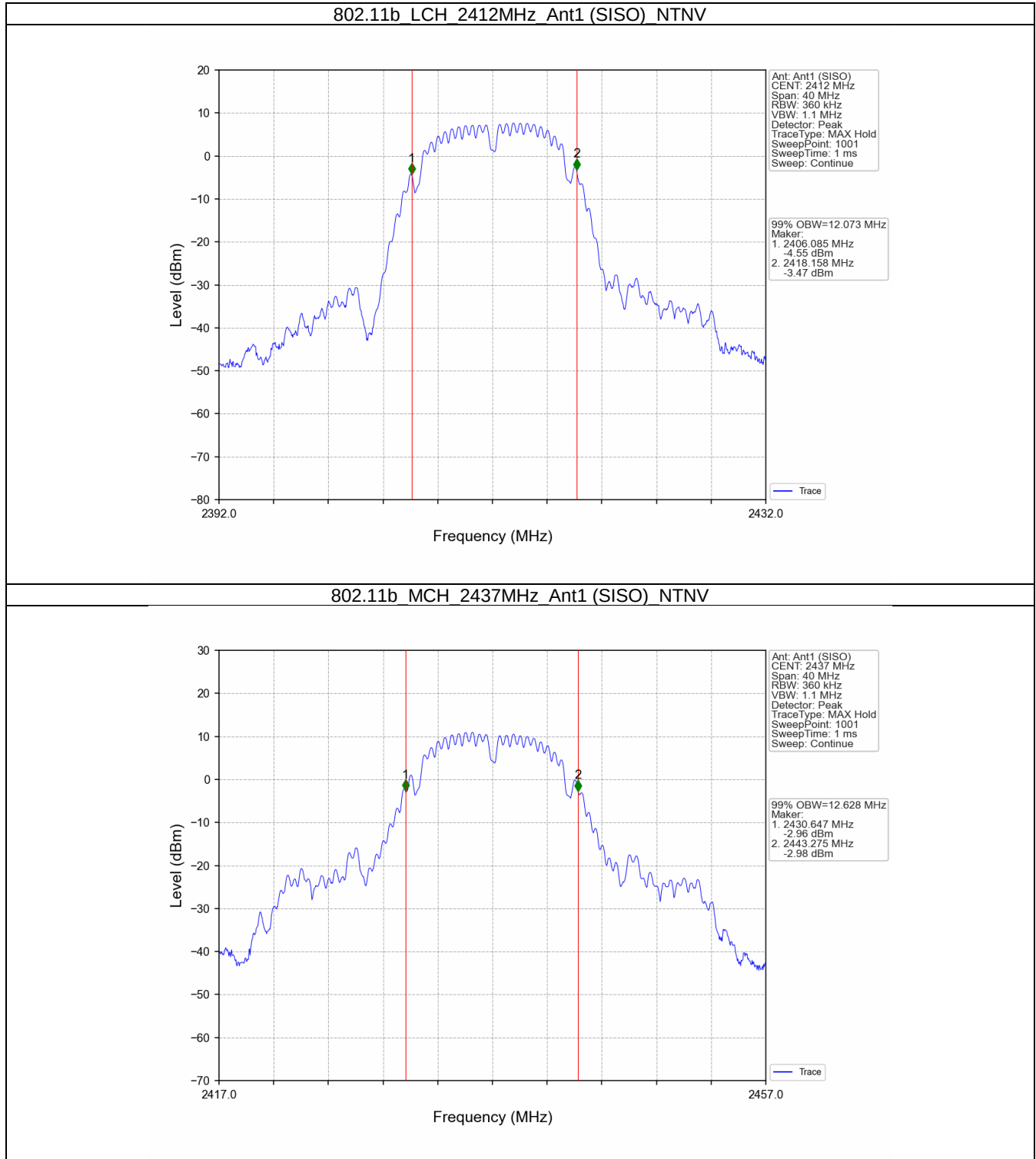
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.569	>=0.5	Pass
		2437	/	/	1	9.562	>=0.5	Pass
		2462	/	/	1	10.064	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.767	>=0.5	Pass
		2437	/	/	1	16.384	>=0.5	Pass
		2462	/	/	1	16.374	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	16.369	>=0.5	Pass
		2437	/	/	1	16.941	>=0.5	Pass
		2462	/	/	1	17.296	>=0.5	Pass

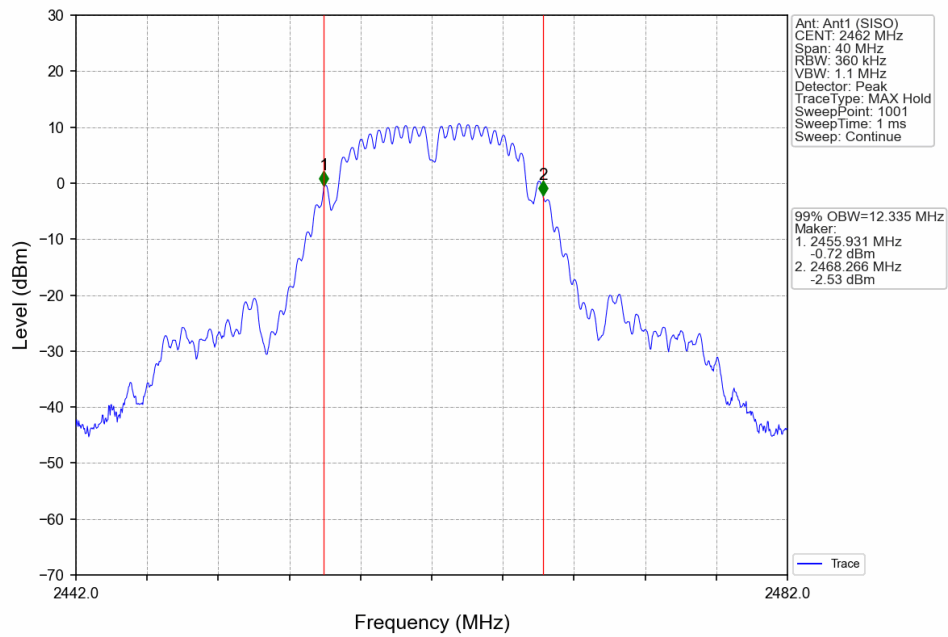
802.11n (HT40)	SISO	2422	/	/	1	35.170	≥ 0.5	Pass
		2437	/	/	1	35.987	≥ 0.5	Pass
		2452	/	/	1	35.685	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	16.356	≥ 0.5	Pass
		2437	/	/	1	17.429	≥ 0.5	Pass
		2462	/	/	1	17.183	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	35.267	≥ 0.5	Pass
		2437	/	/	1	35.983	≥ 0.5	Pass
		2452	/	/	1	35.714	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	16.244	≥ 0.5	Pass
		2437	RU242	Left	1	16.929	≥ 0.5	Pass
		2462	RU242	Left	1	17.164	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	35.237	≥ 0.5	Pass
		2437	RU484	Left	1	36.009	≥ 0.5	Pass
		2452	RU484	Left	1	35.802	≥ 0.5	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	16.398	≥ 0.5	Pass
		2437	RU242	Left	1	17.414	≥ 0.5	Pass
		2462	RU242	Left	1	17.156	≥ 0.5	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	35.169	≥ 0.5	Pass
		2437	RU484	Left	1	36.168	≥ 0.5	Pass
		2452	RU484	Left	1	35.632	≥ 0.5	Pass

2.2 Test Graph

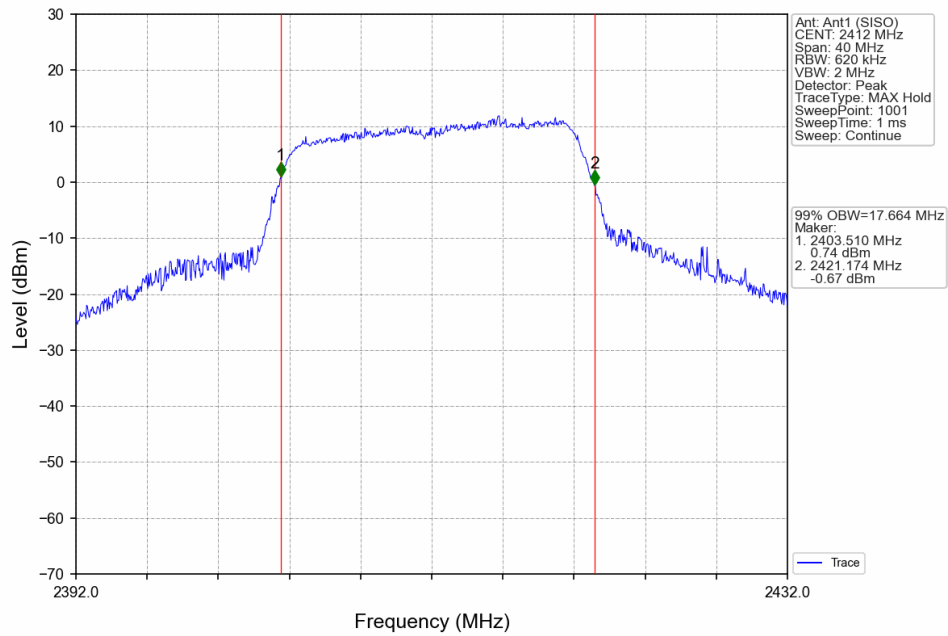
2.2.1 OBW



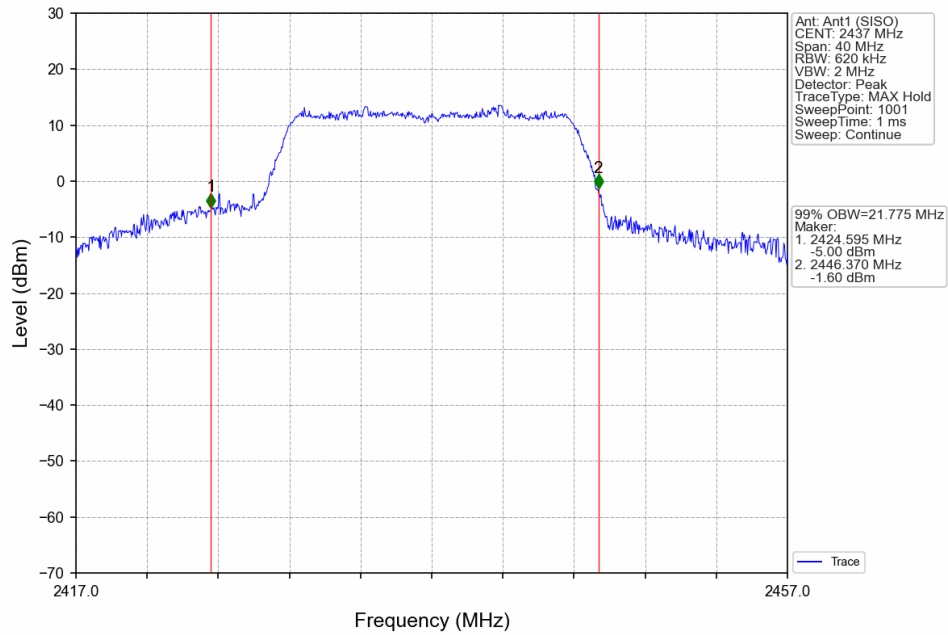
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



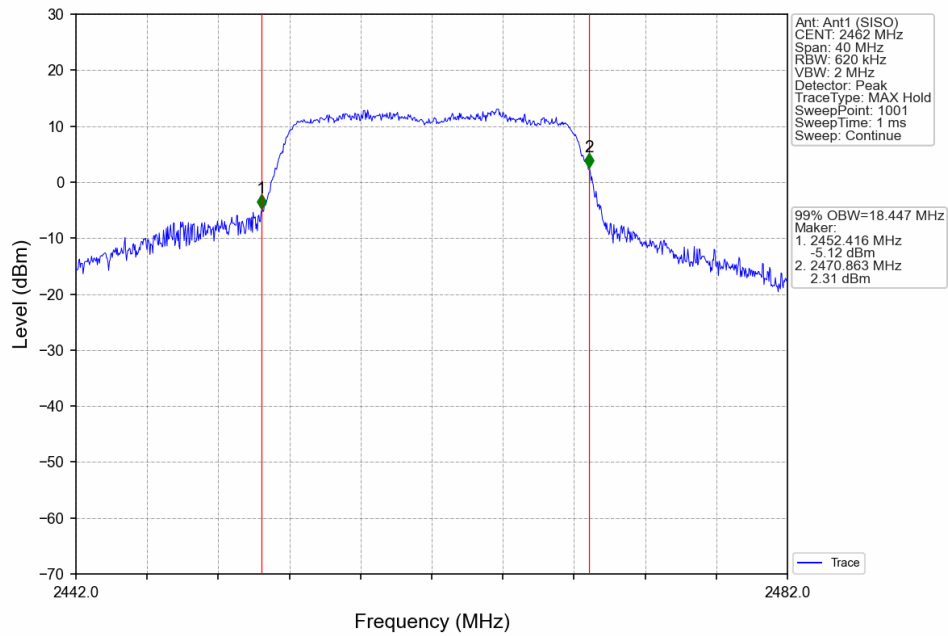
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



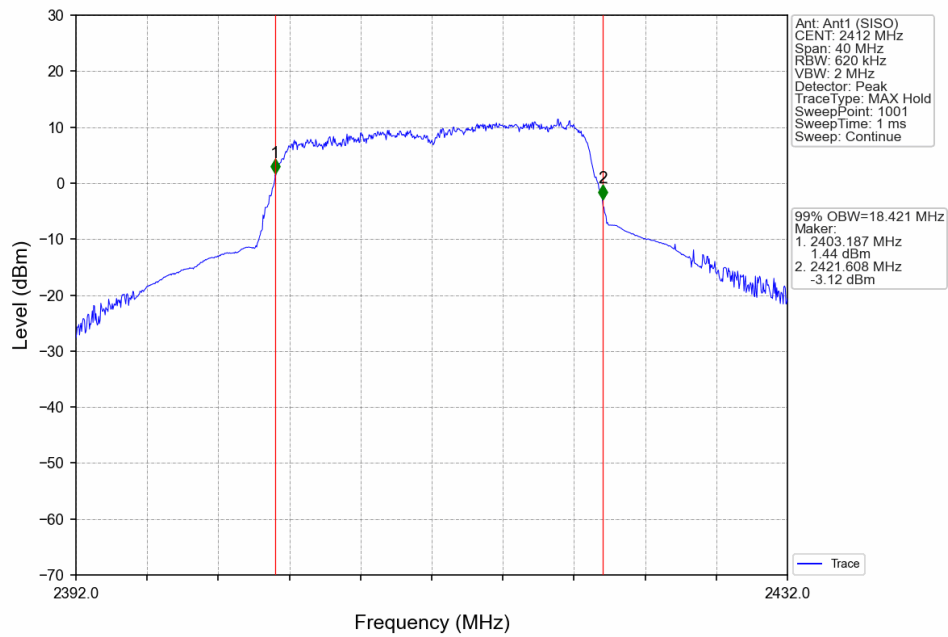
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



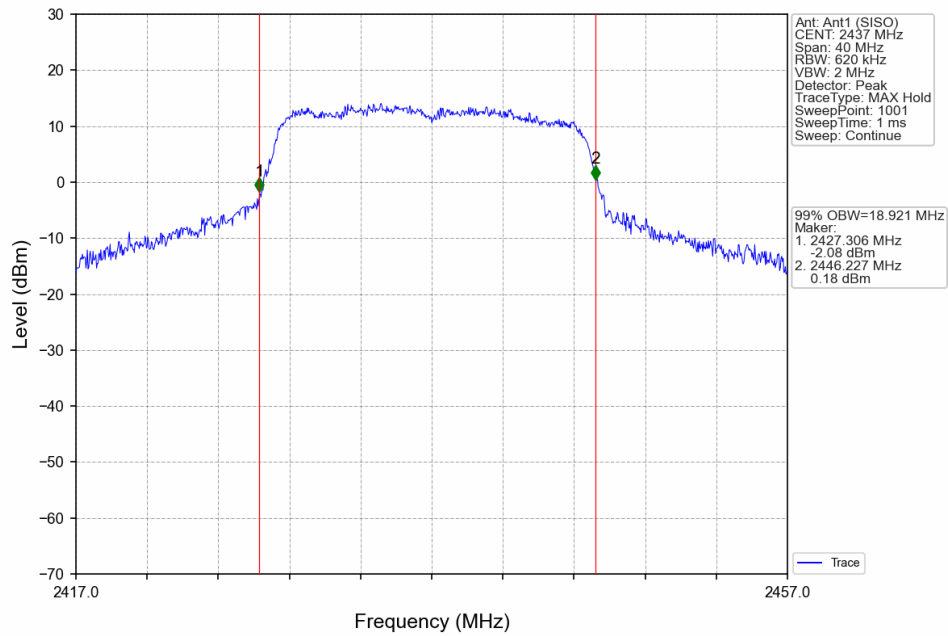
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



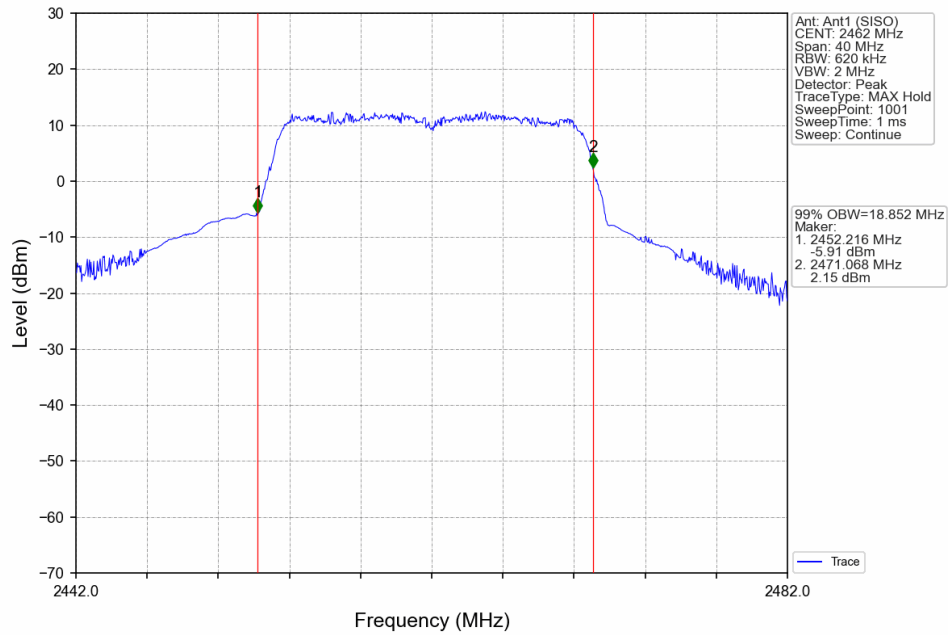
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



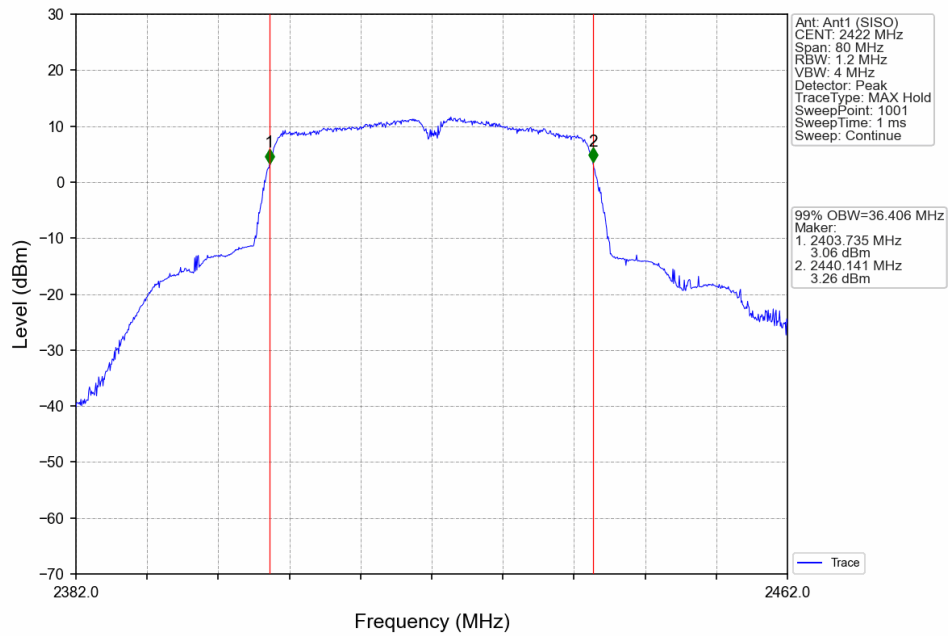
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



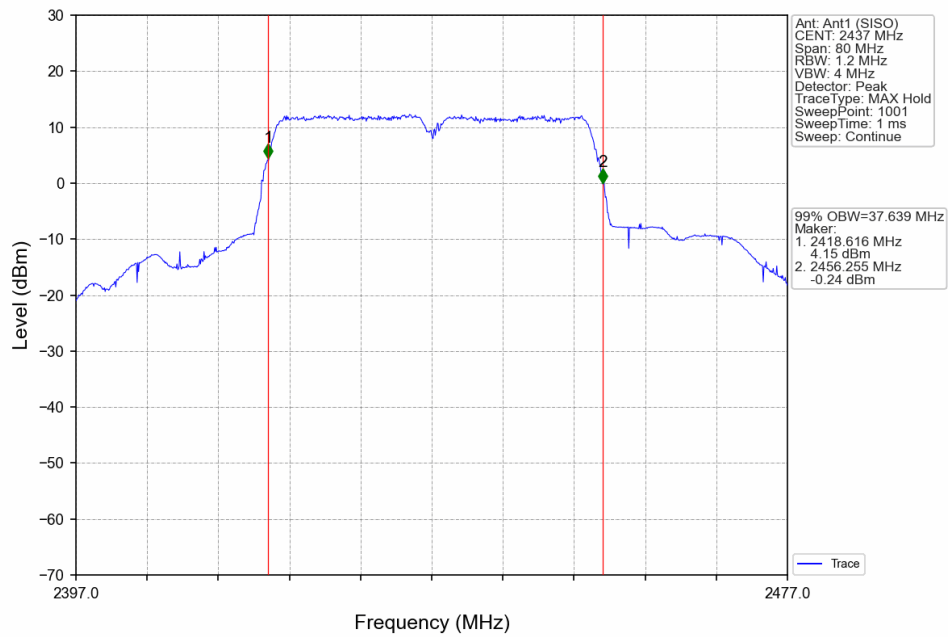
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



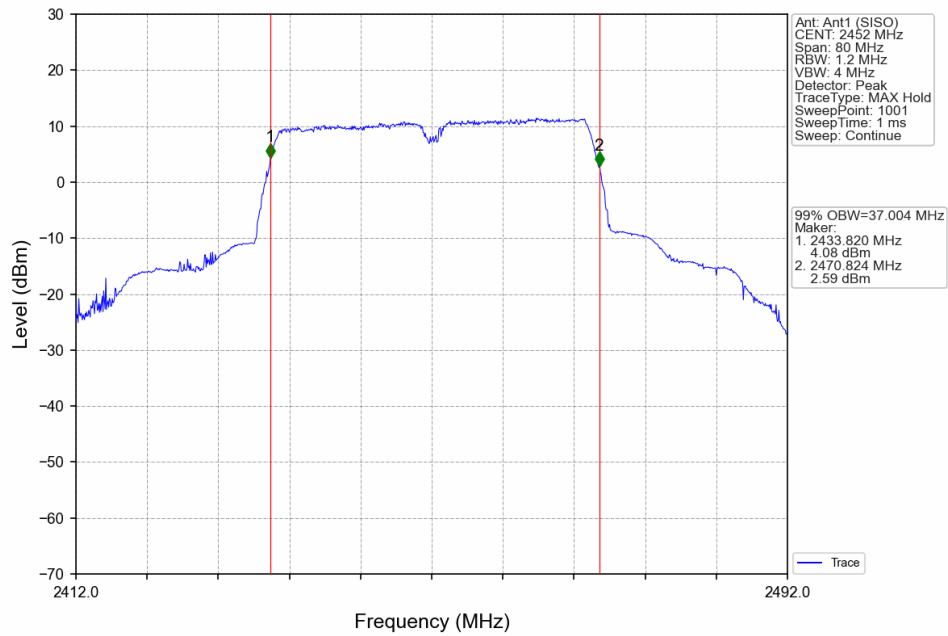
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



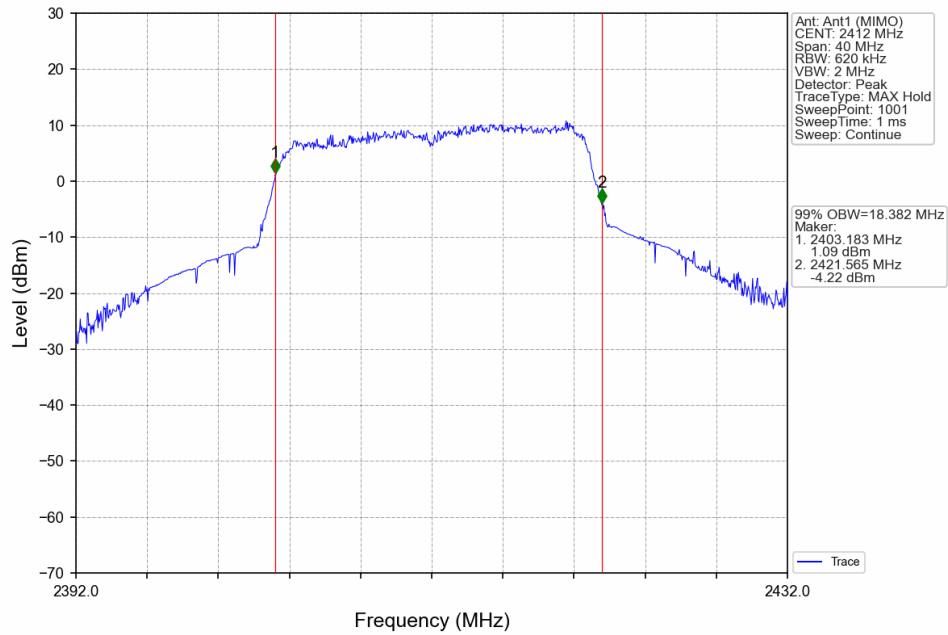
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



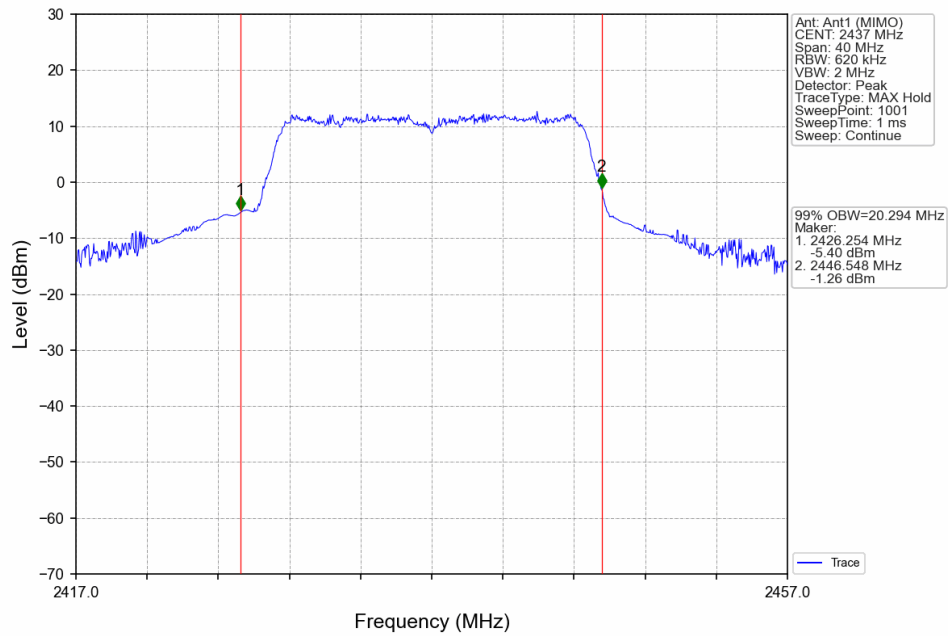
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



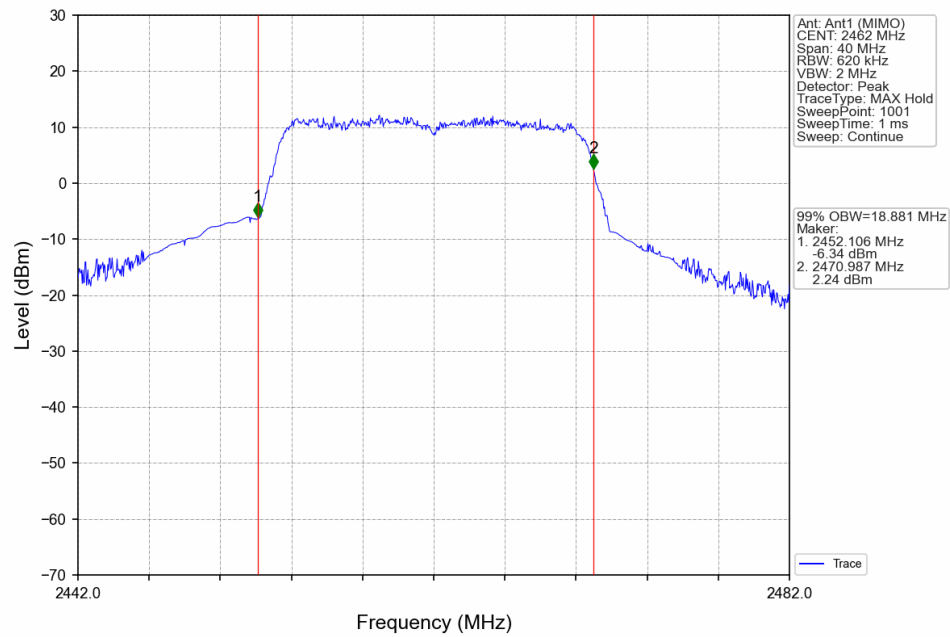
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



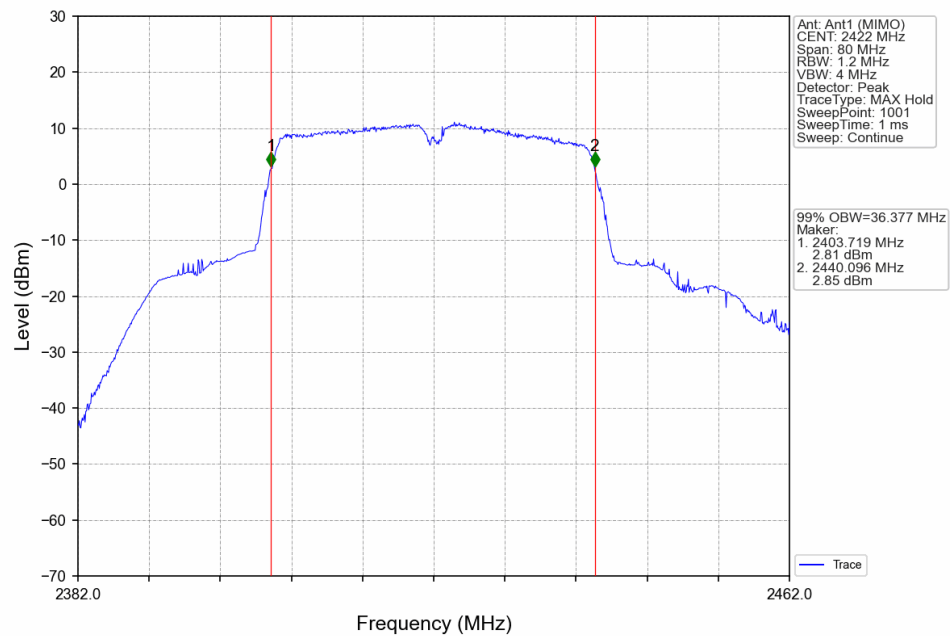
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



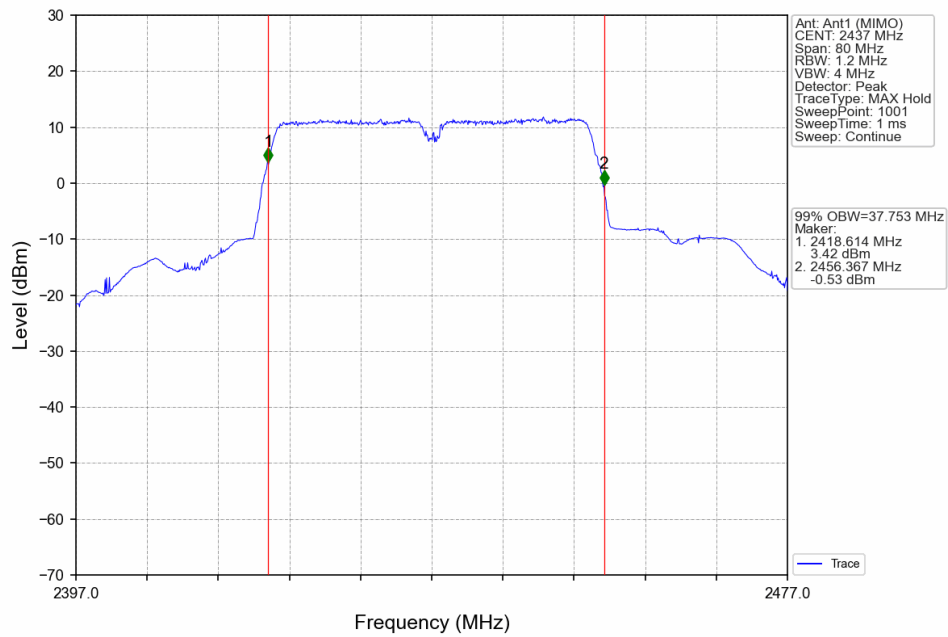
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



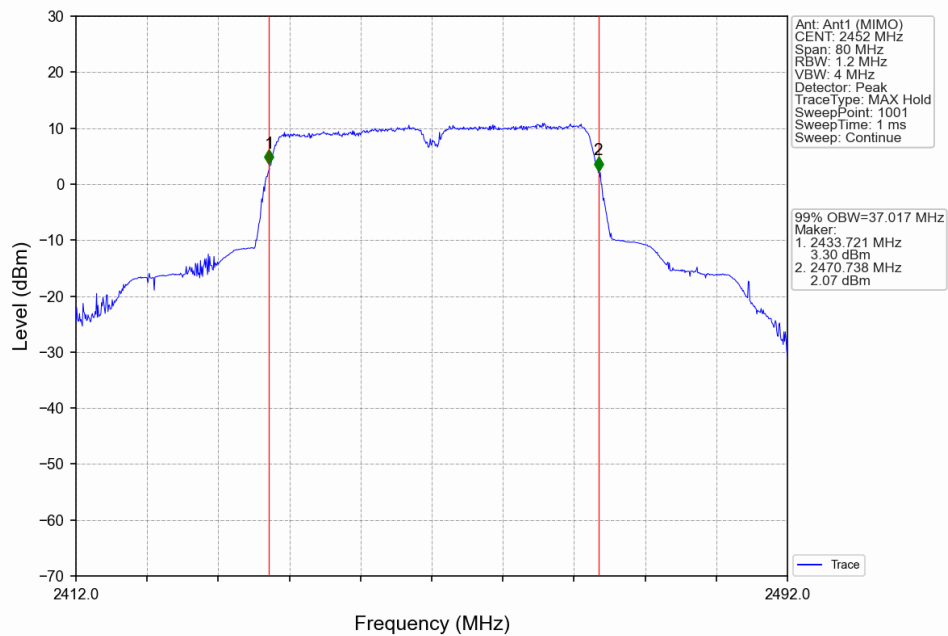
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



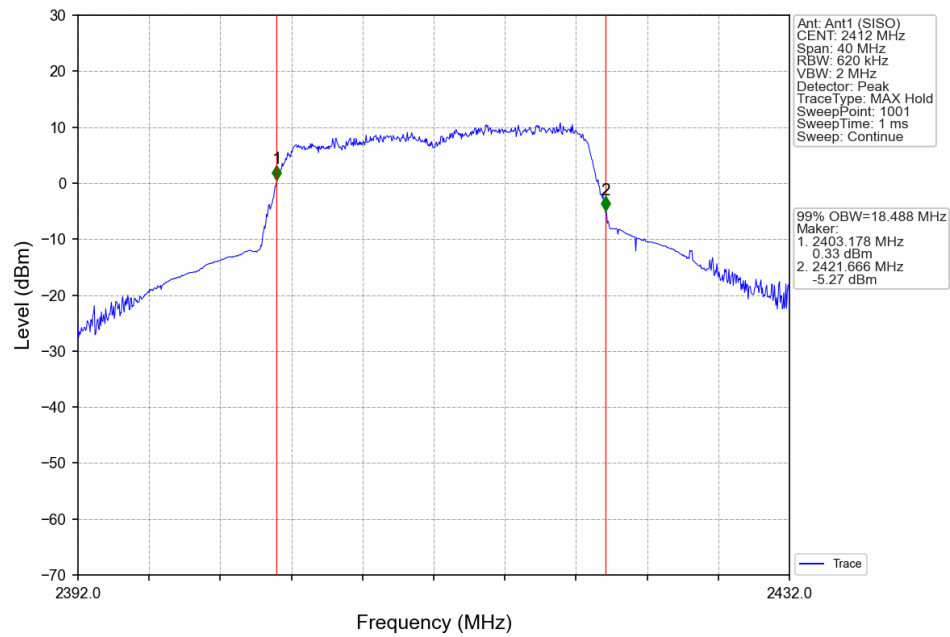
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



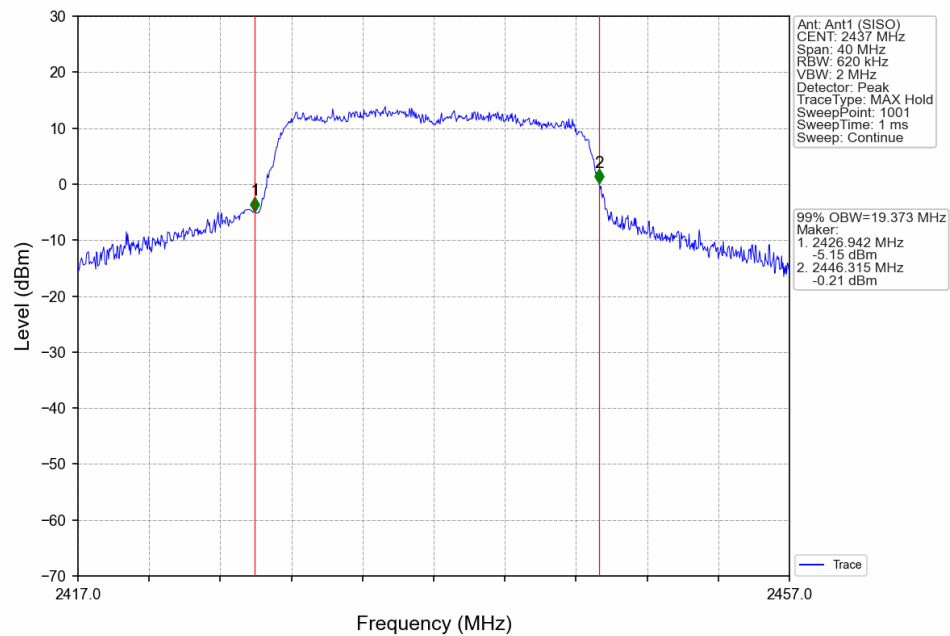
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



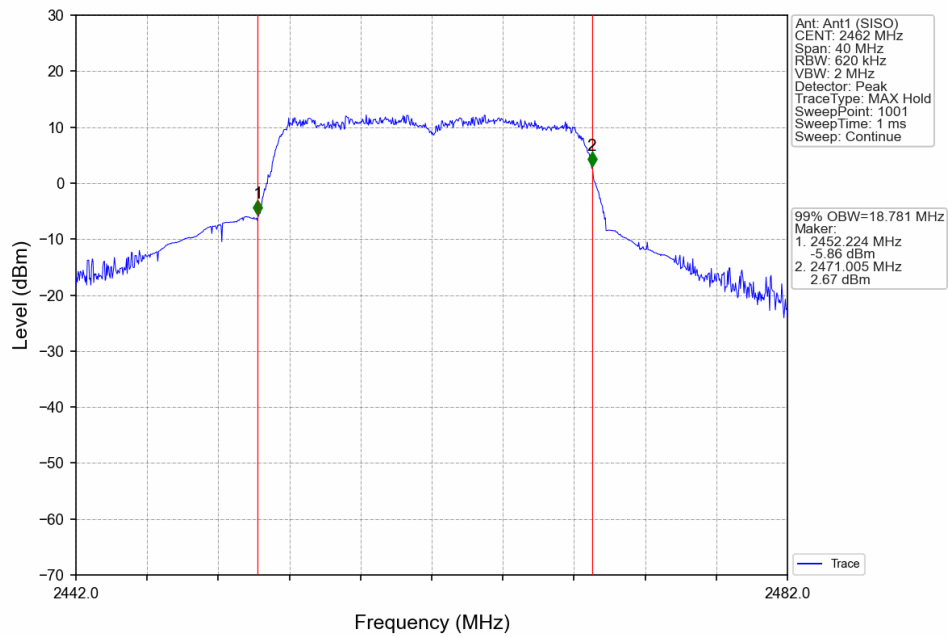
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



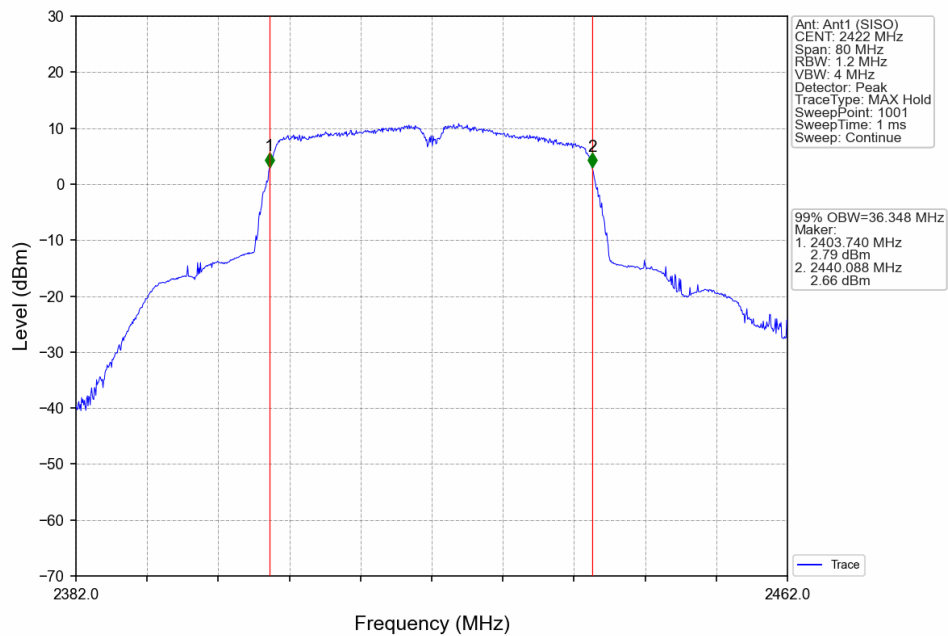
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



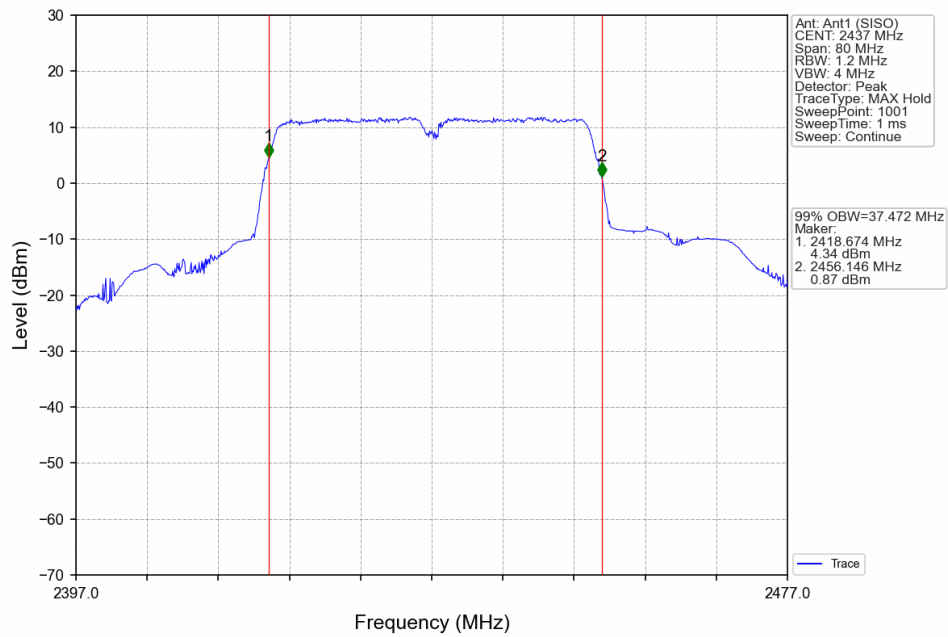
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



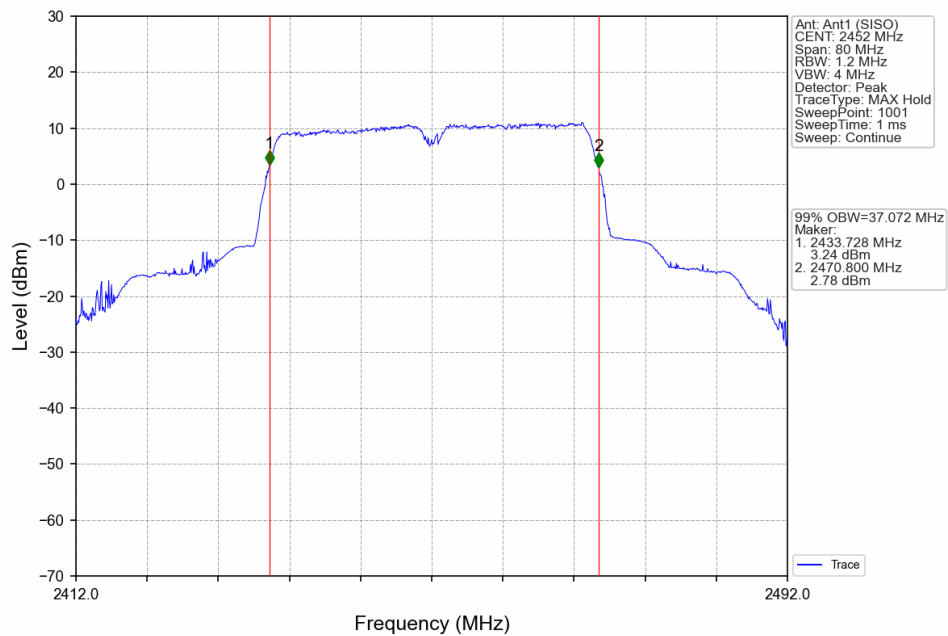
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



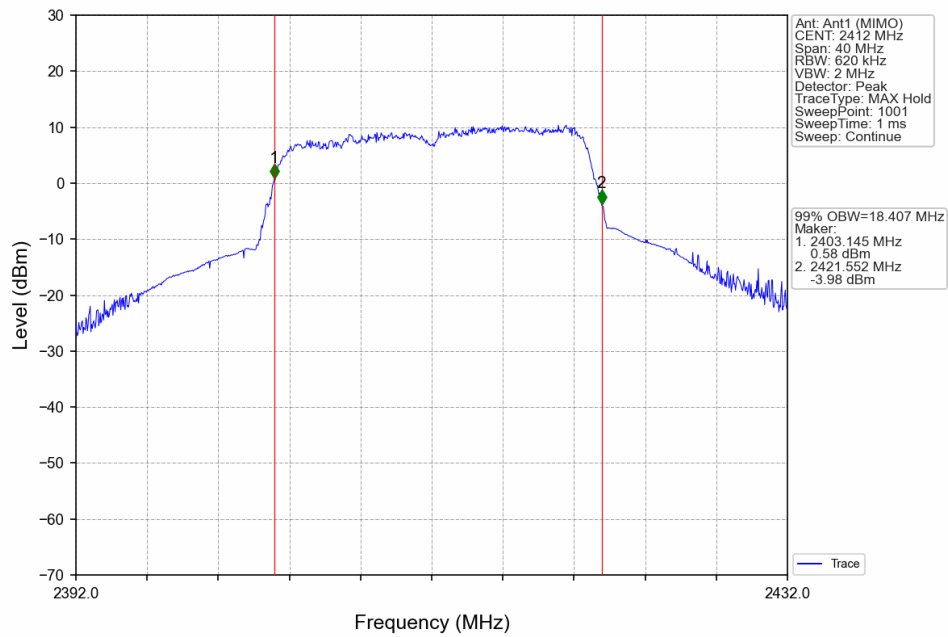
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



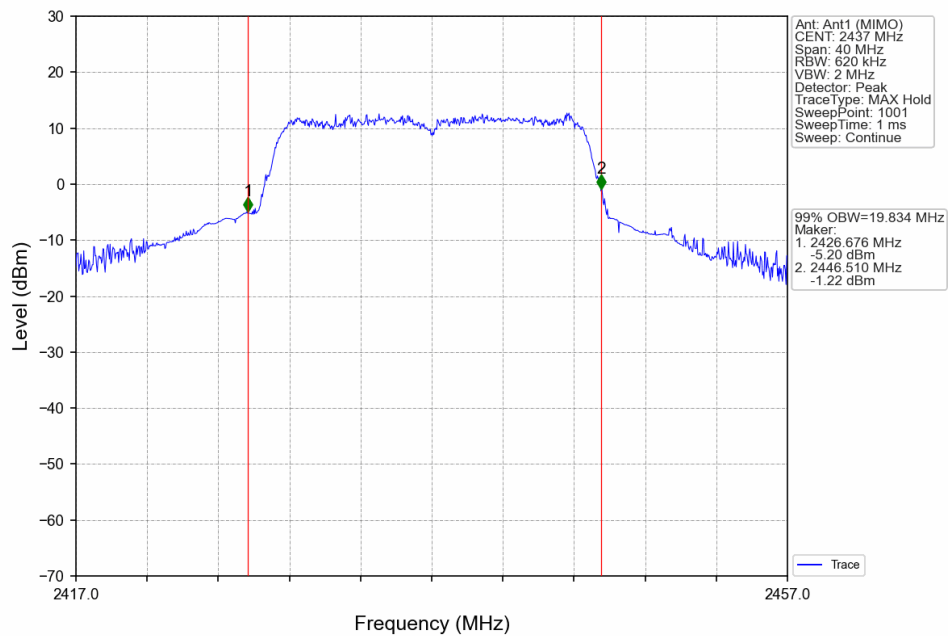
802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



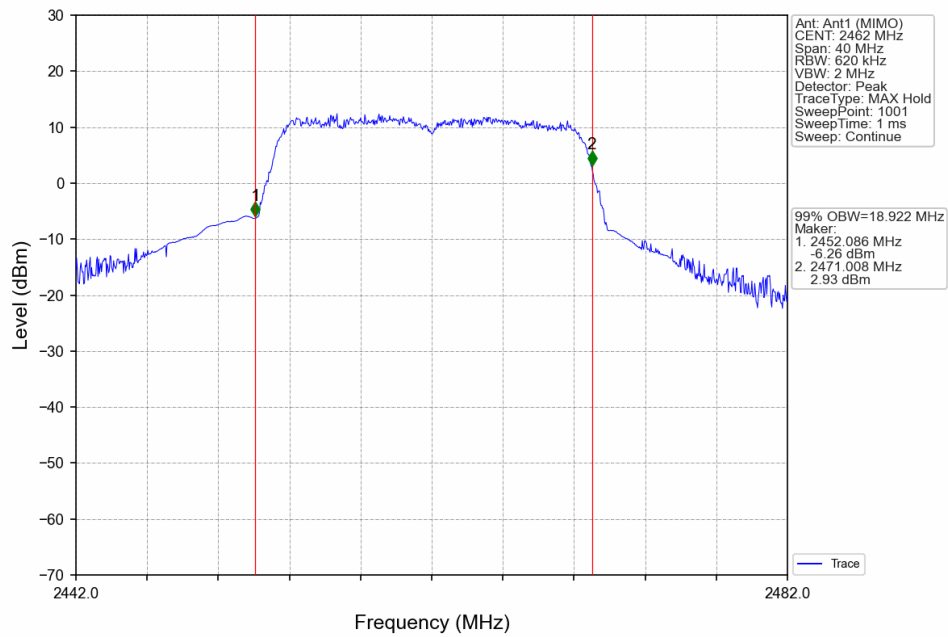
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



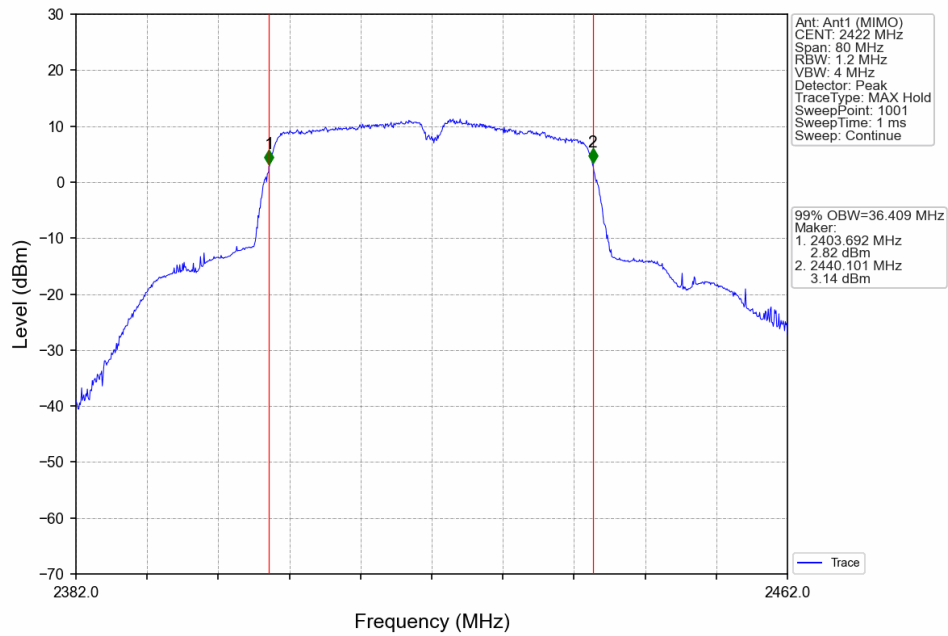
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



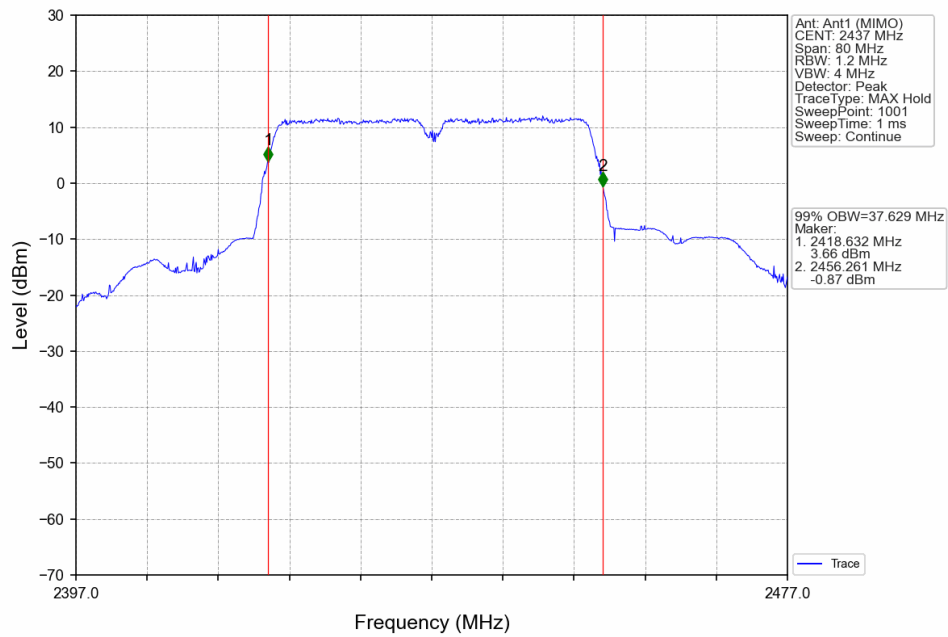
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



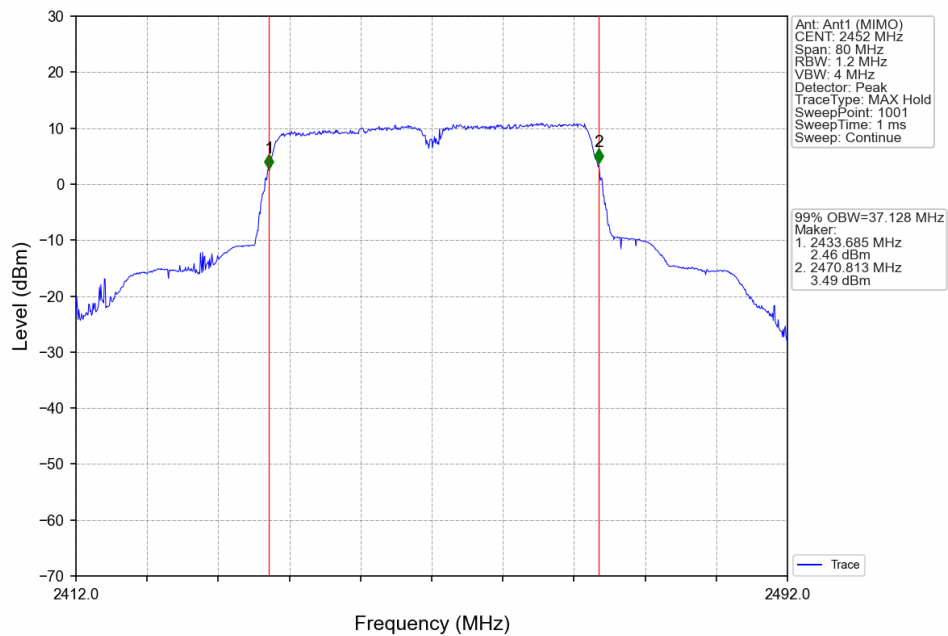
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



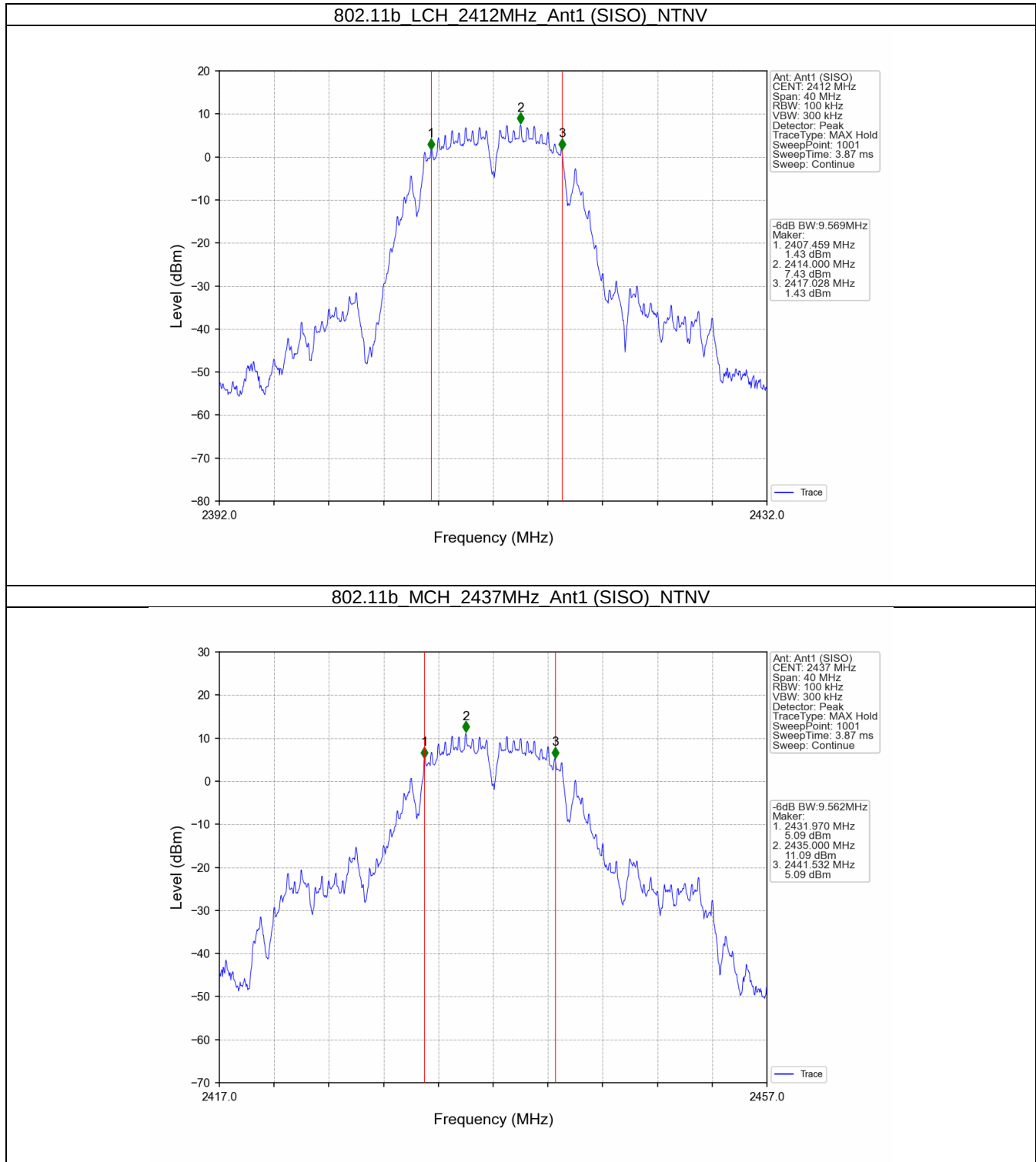
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



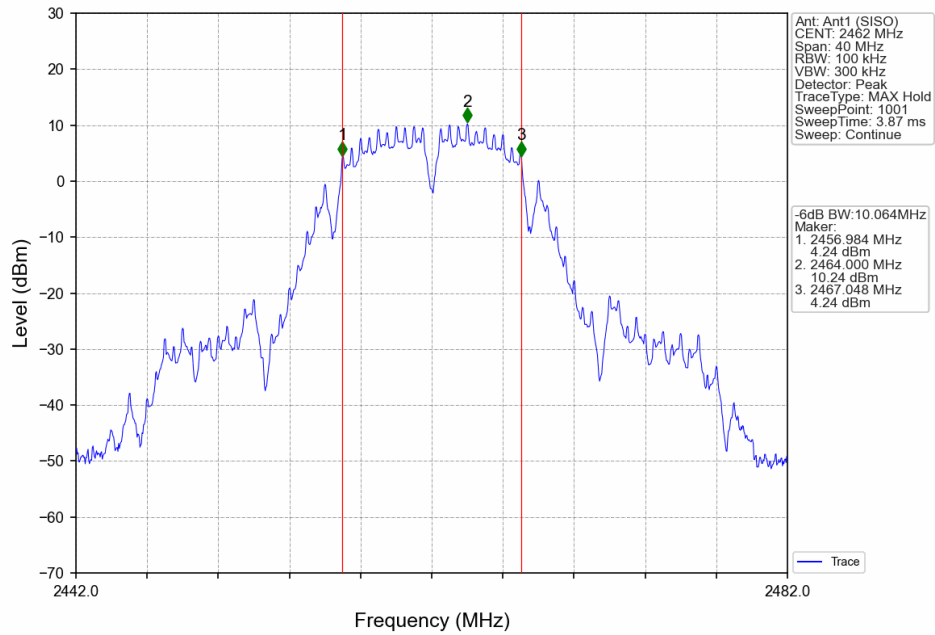
802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



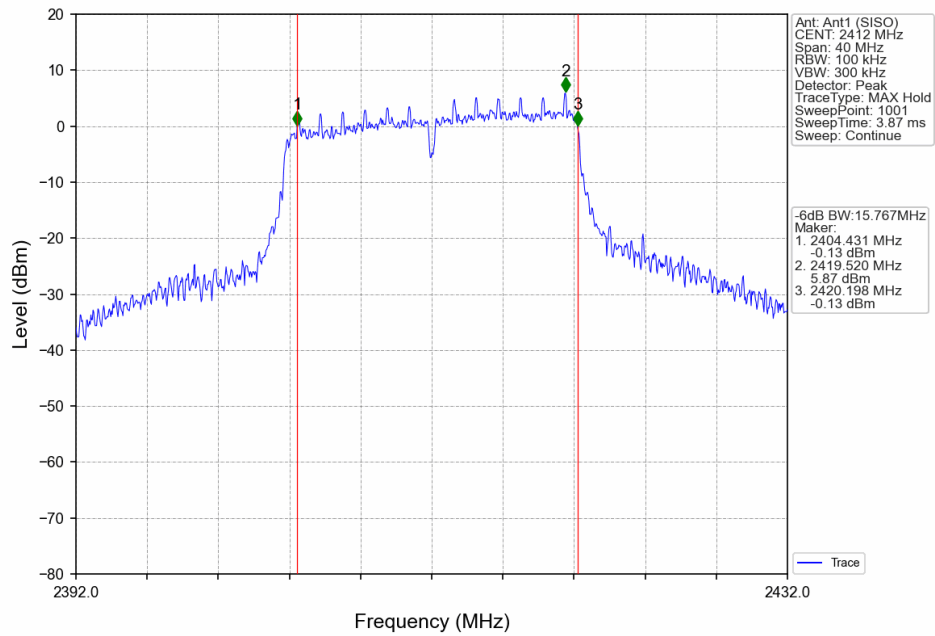
2.2.2 6dB BW



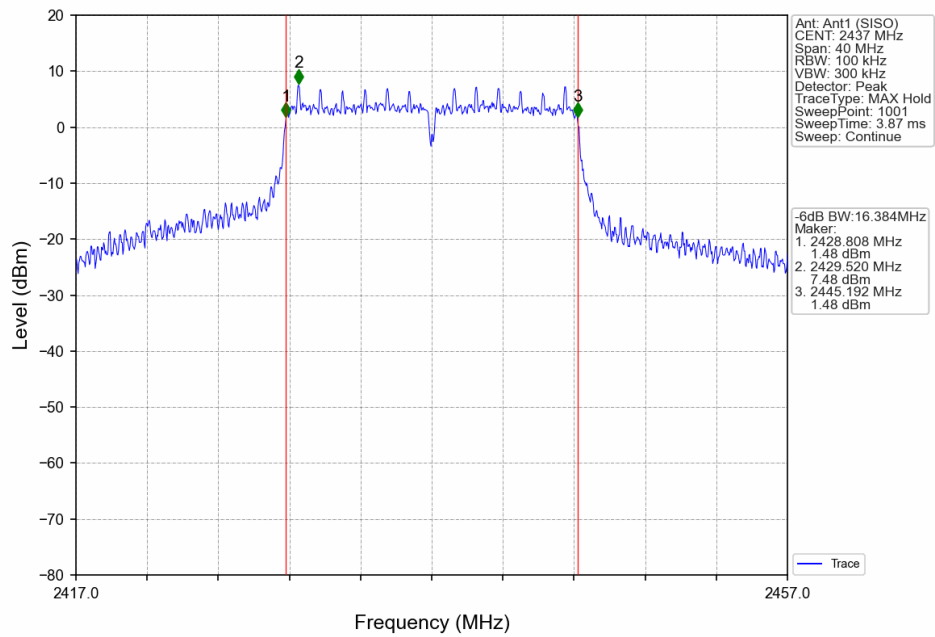
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



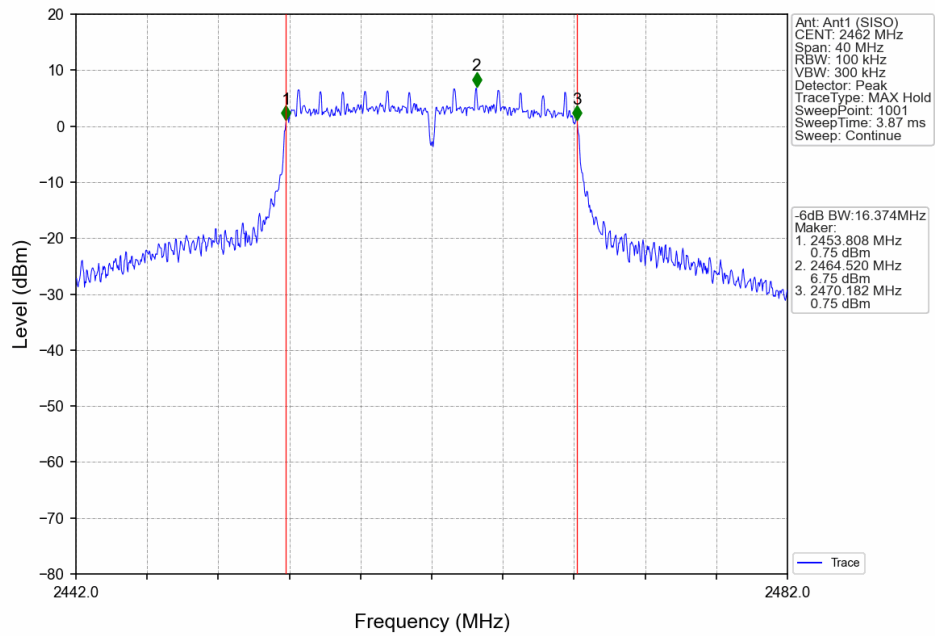
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



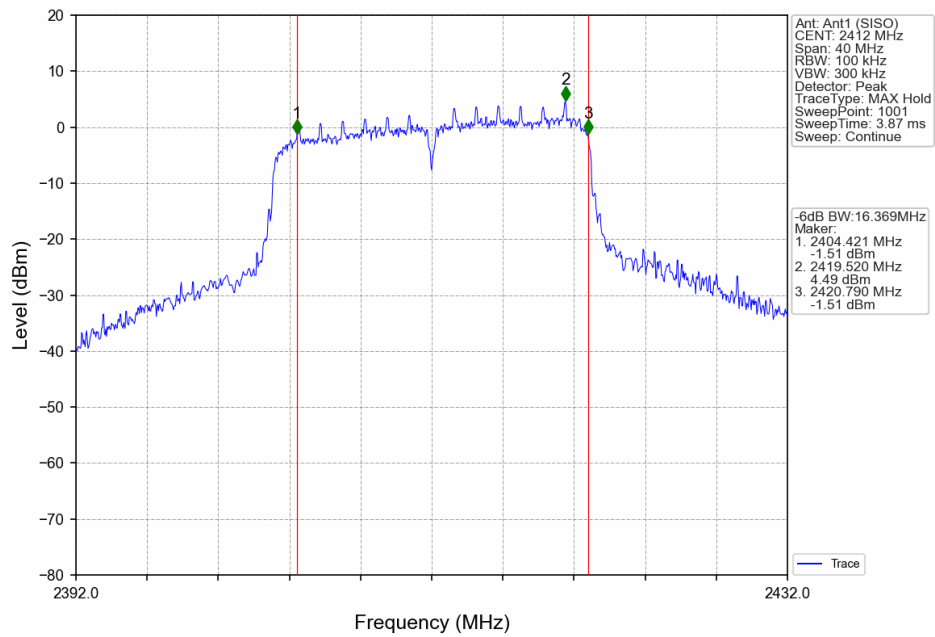
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



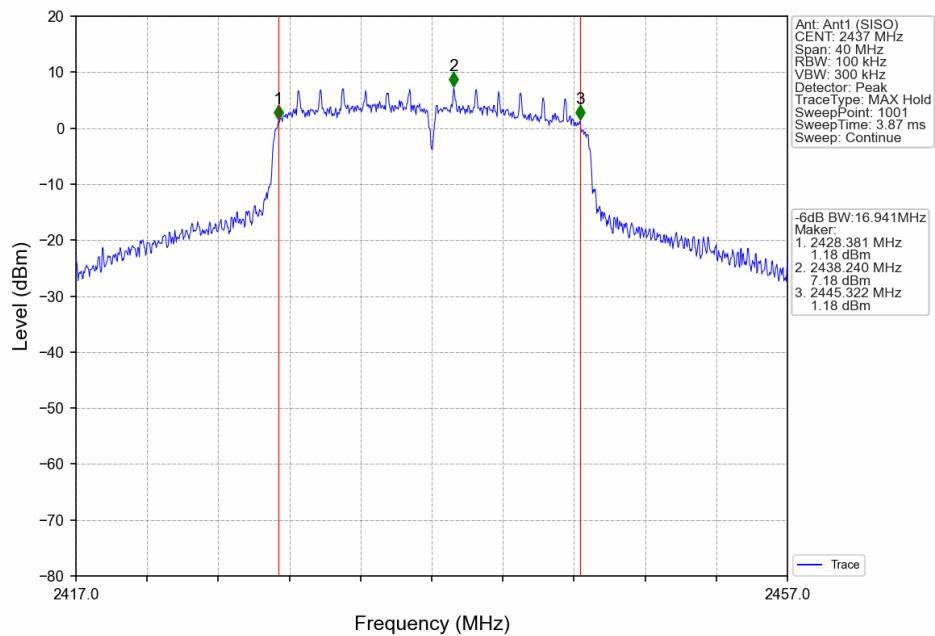
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



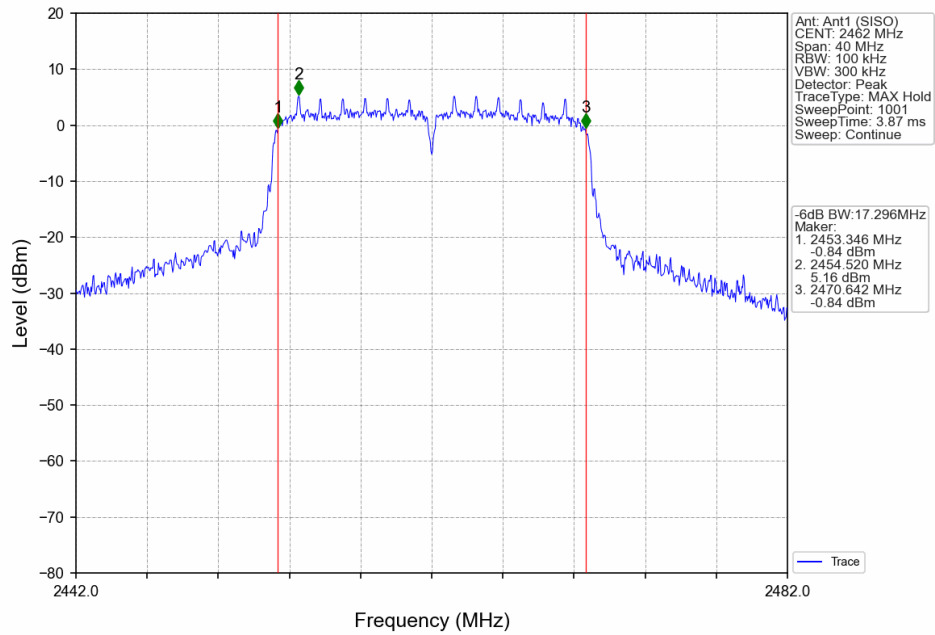
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



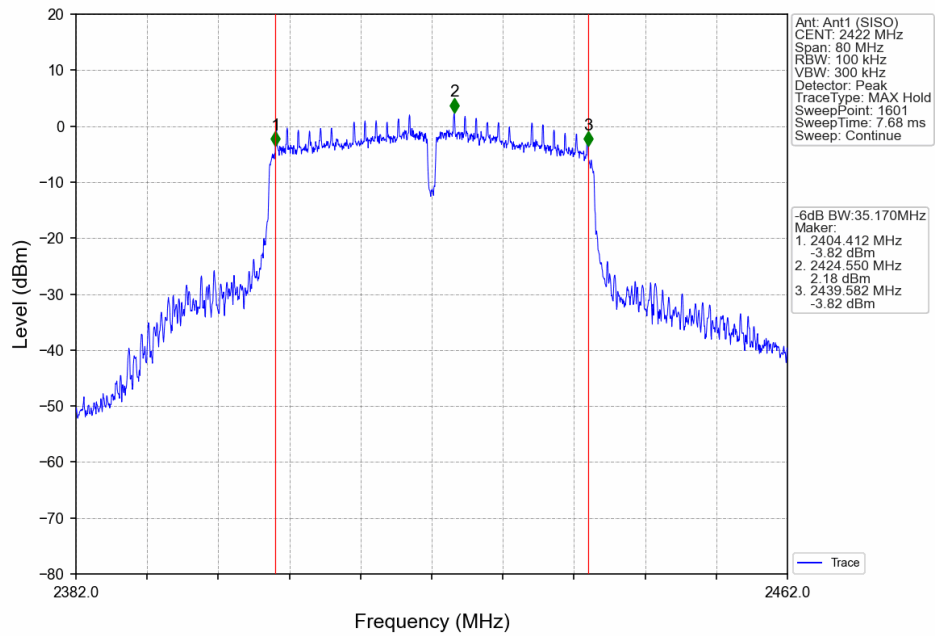
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



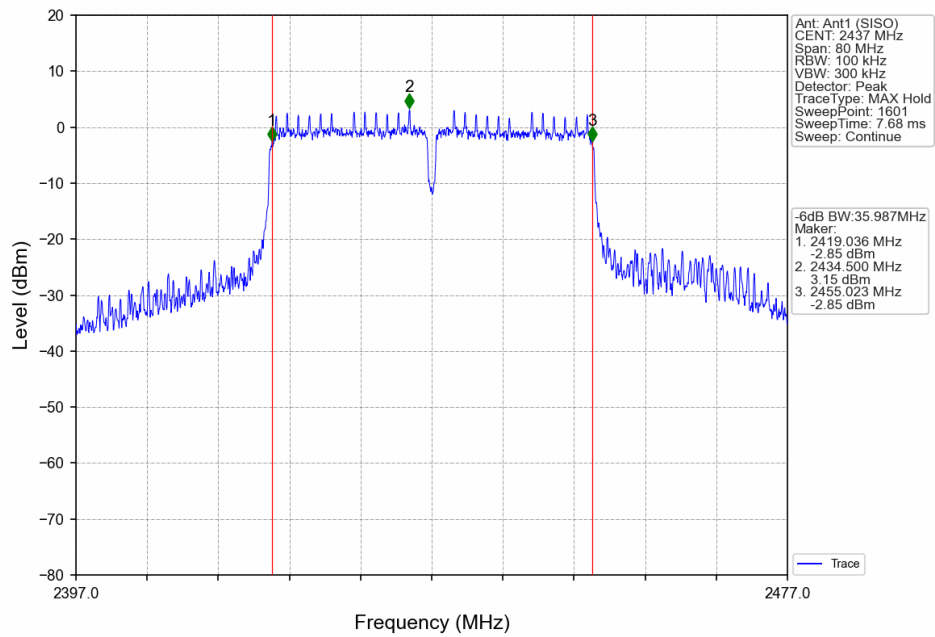
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



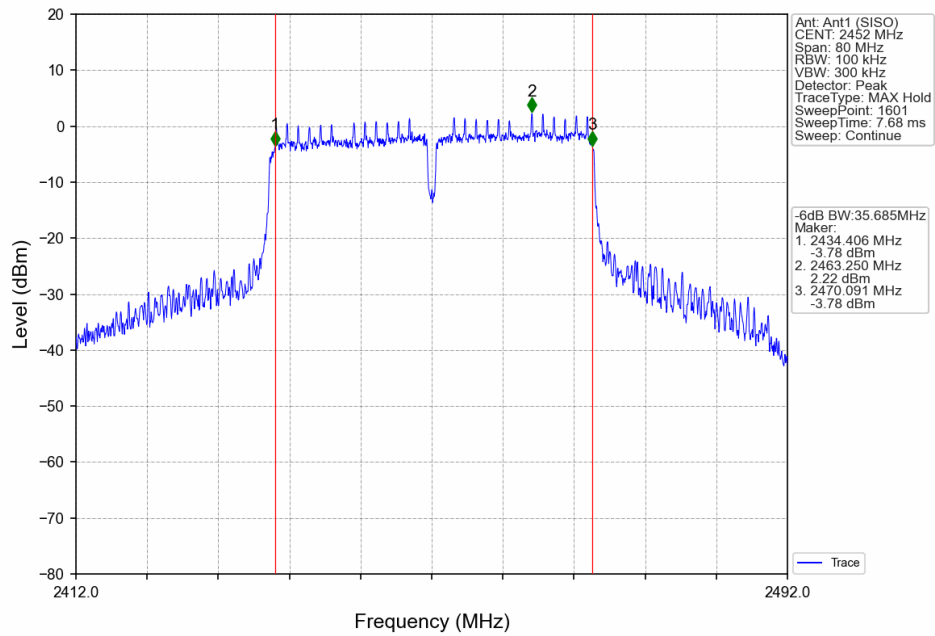
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



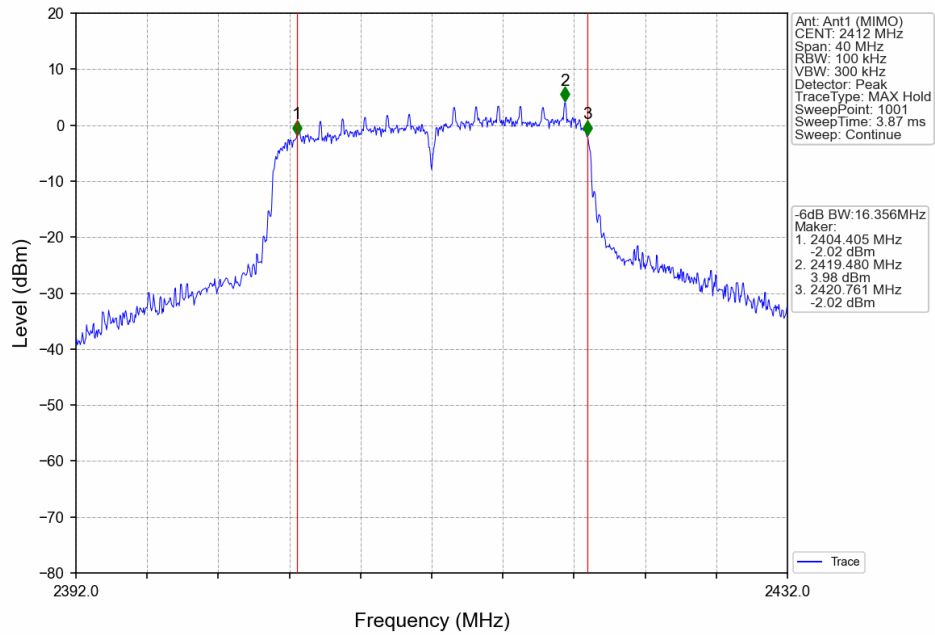
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



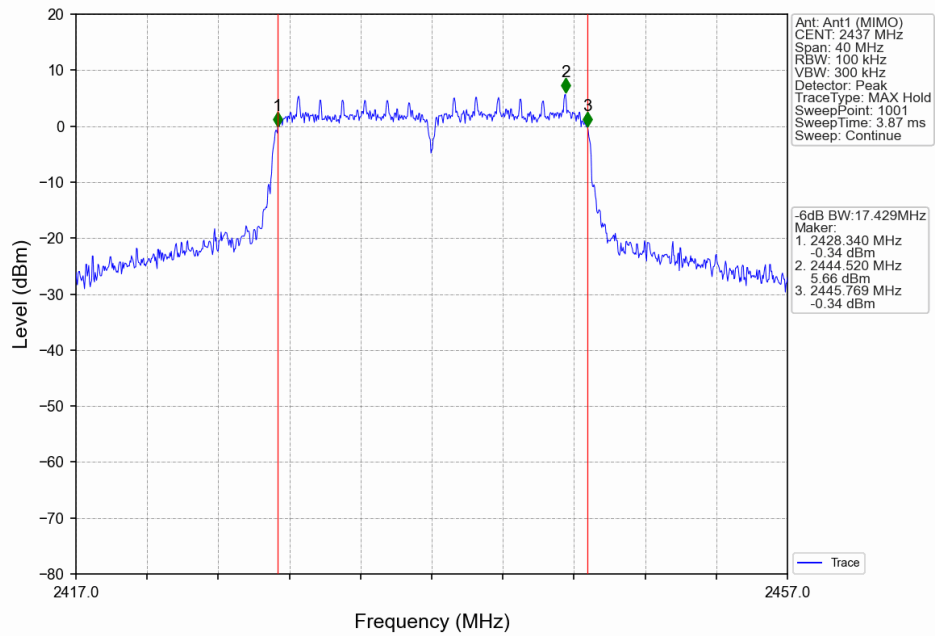
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



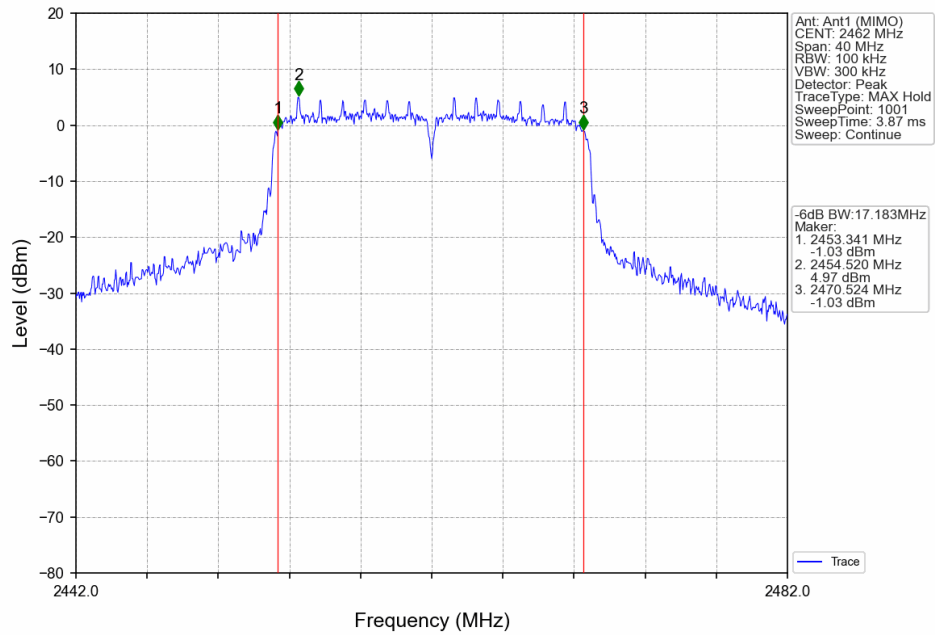
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



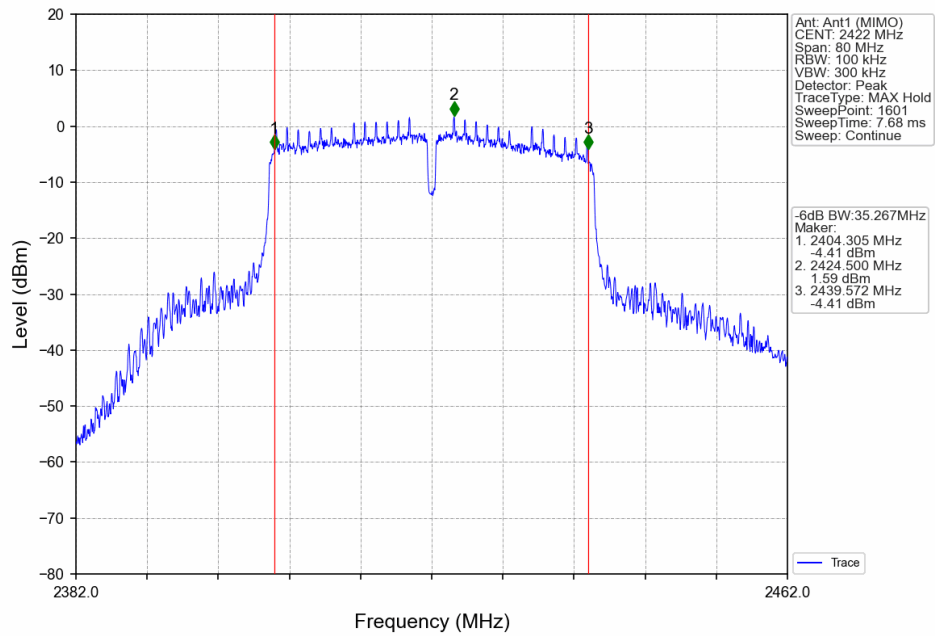
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



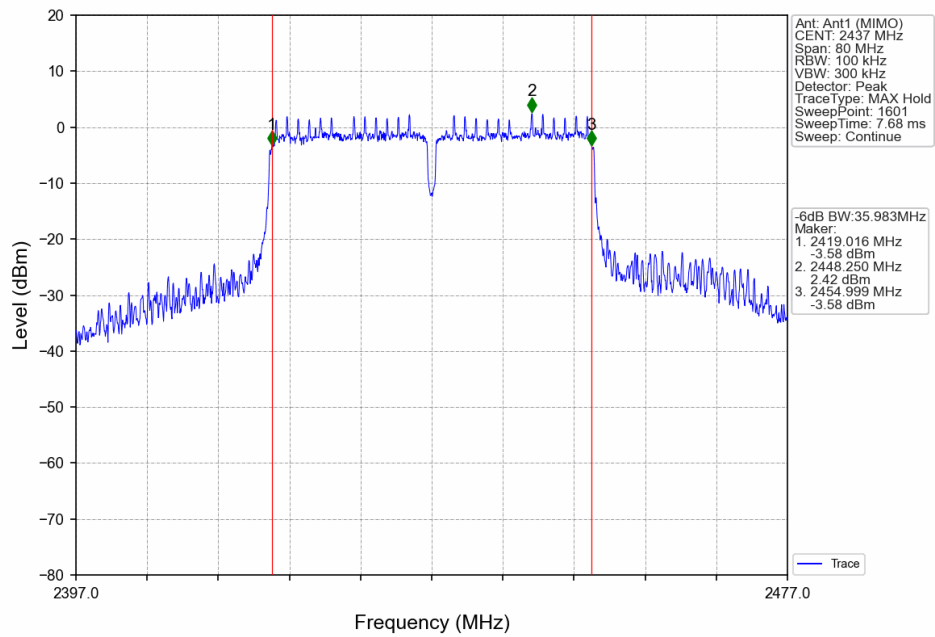
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



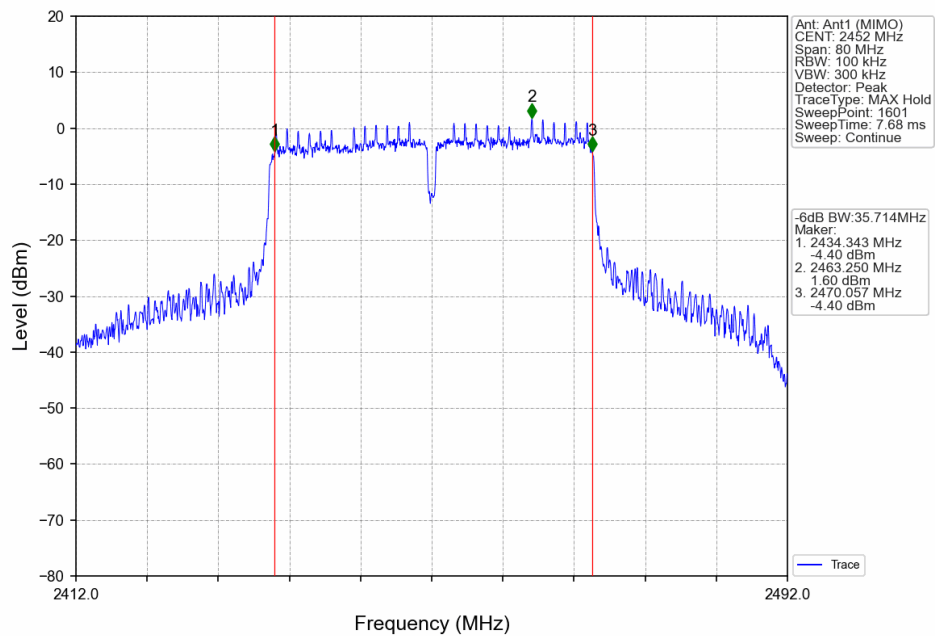
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



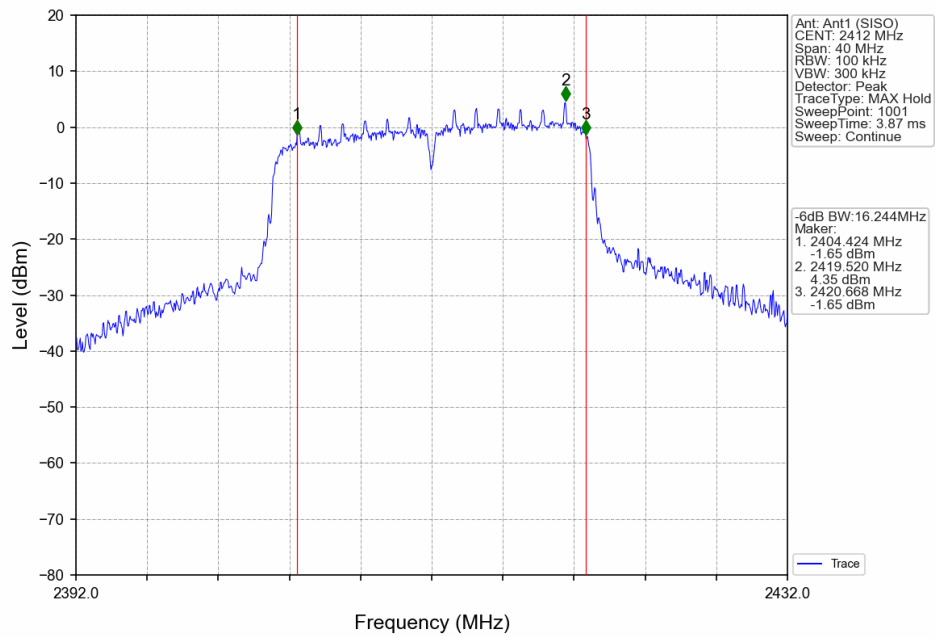
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



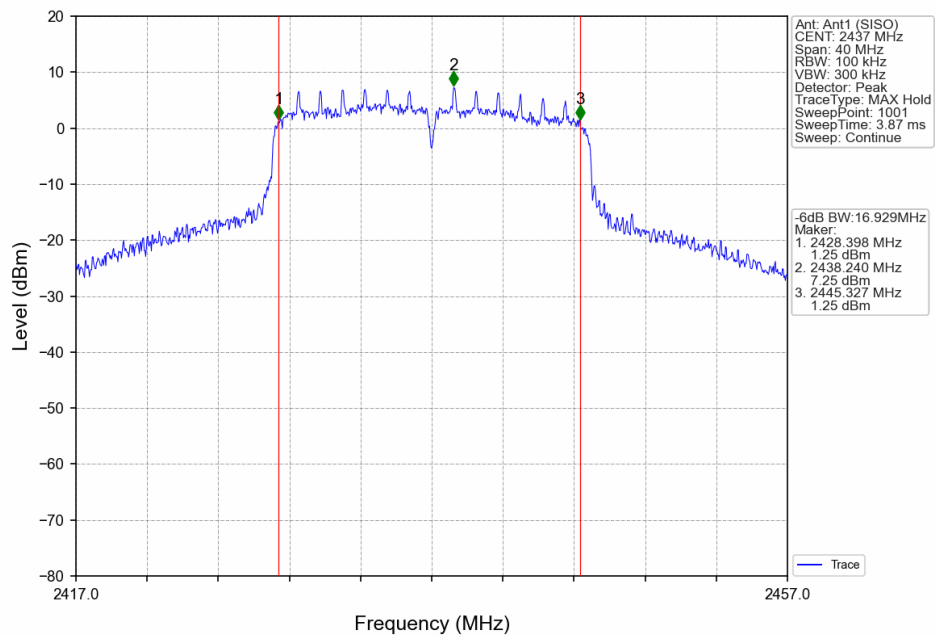
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



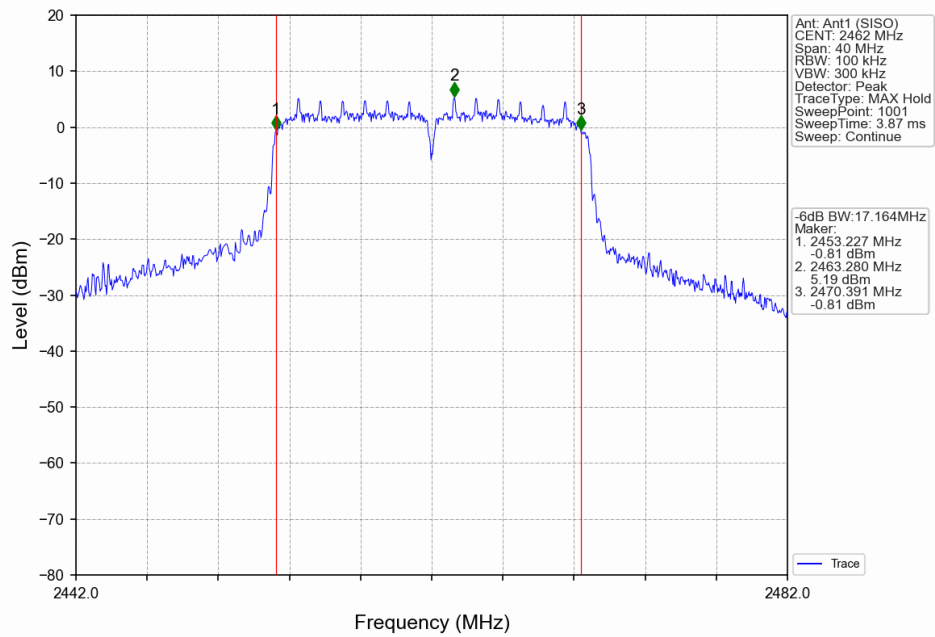
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



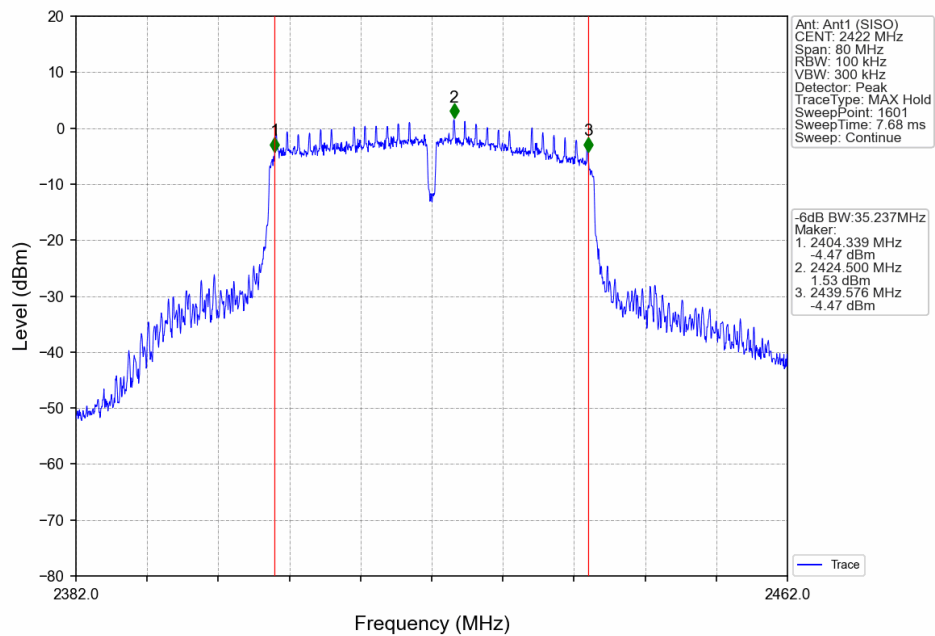
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



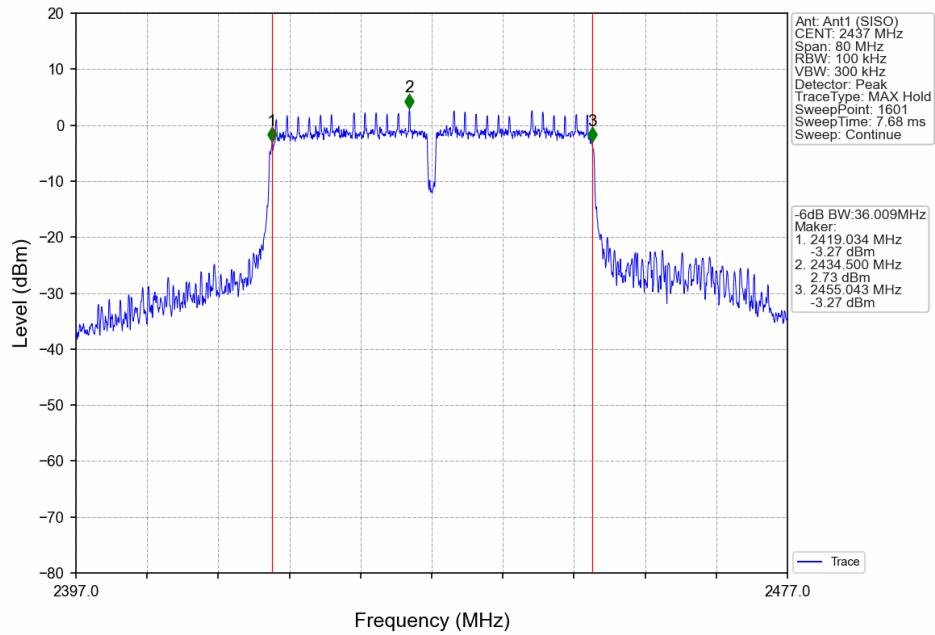
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



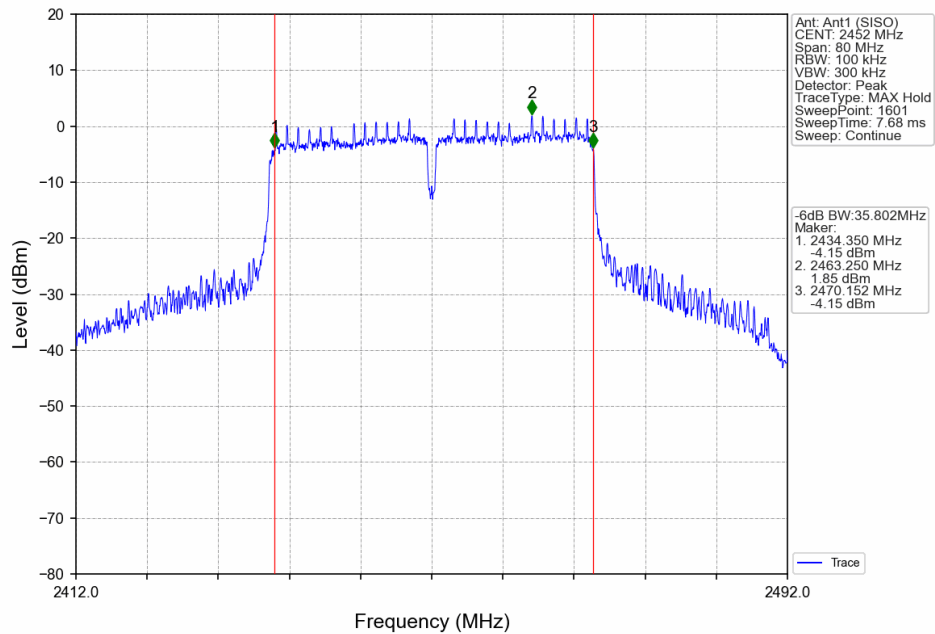
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



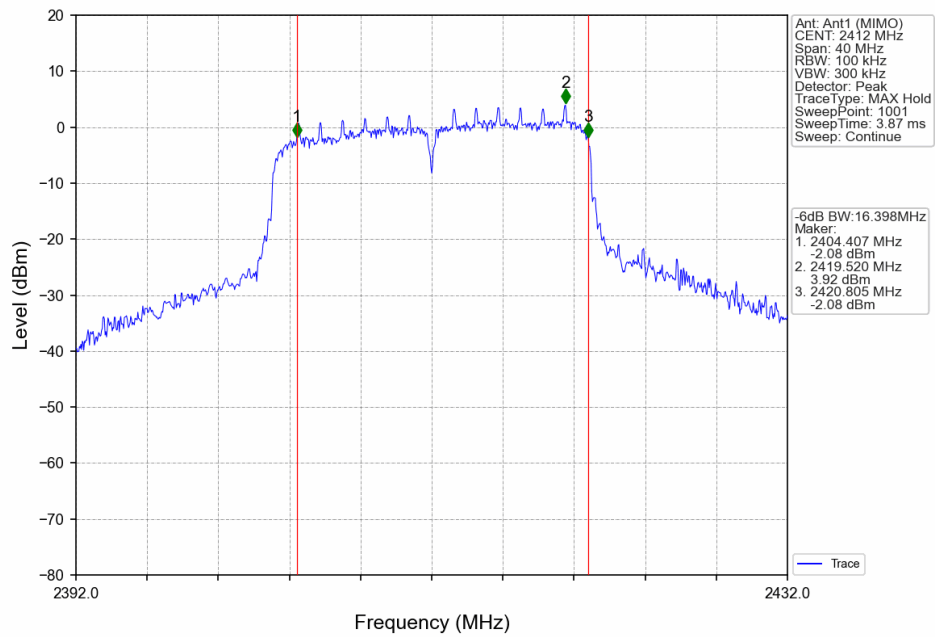
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



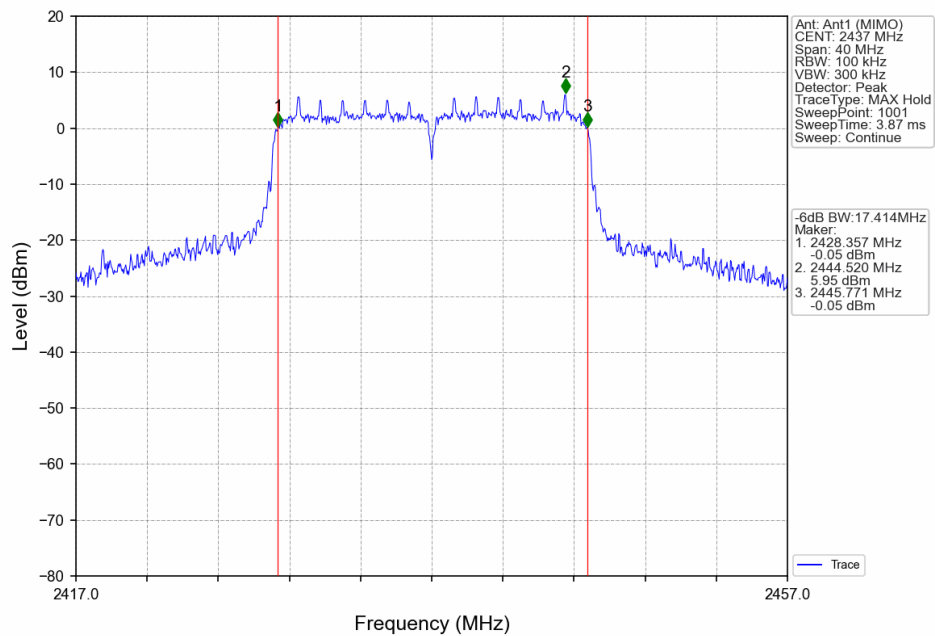
802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



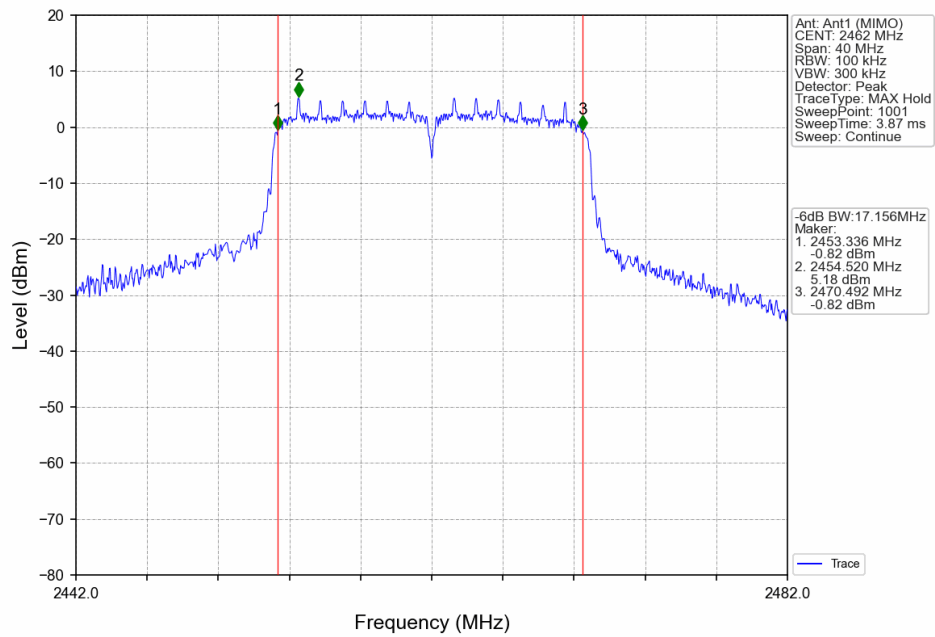
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



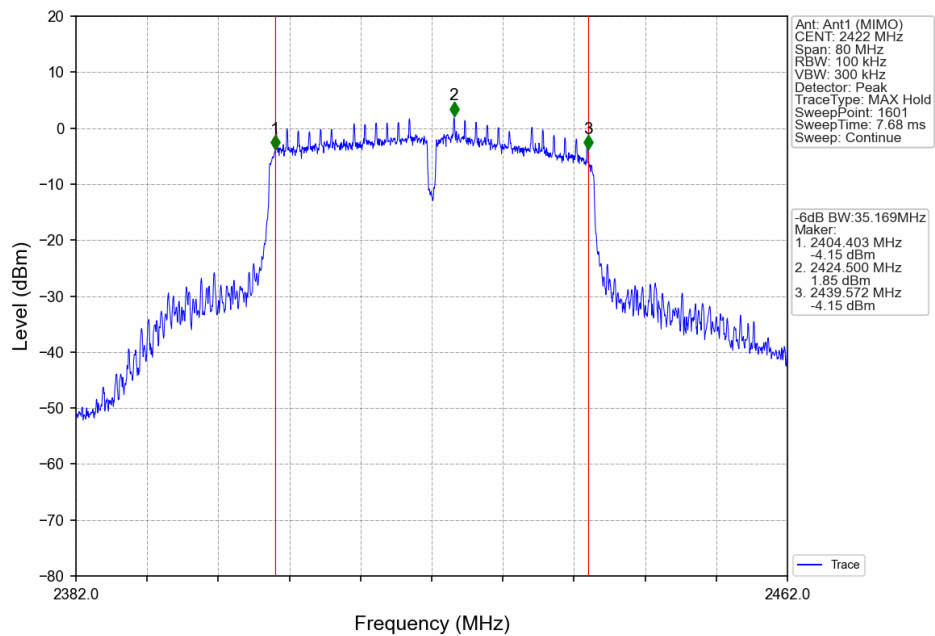
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



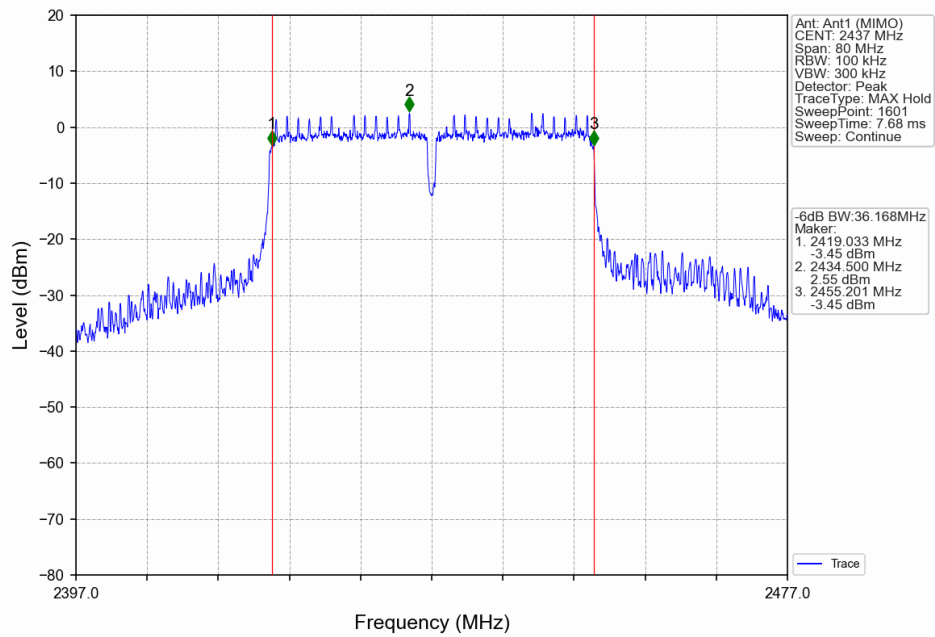
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



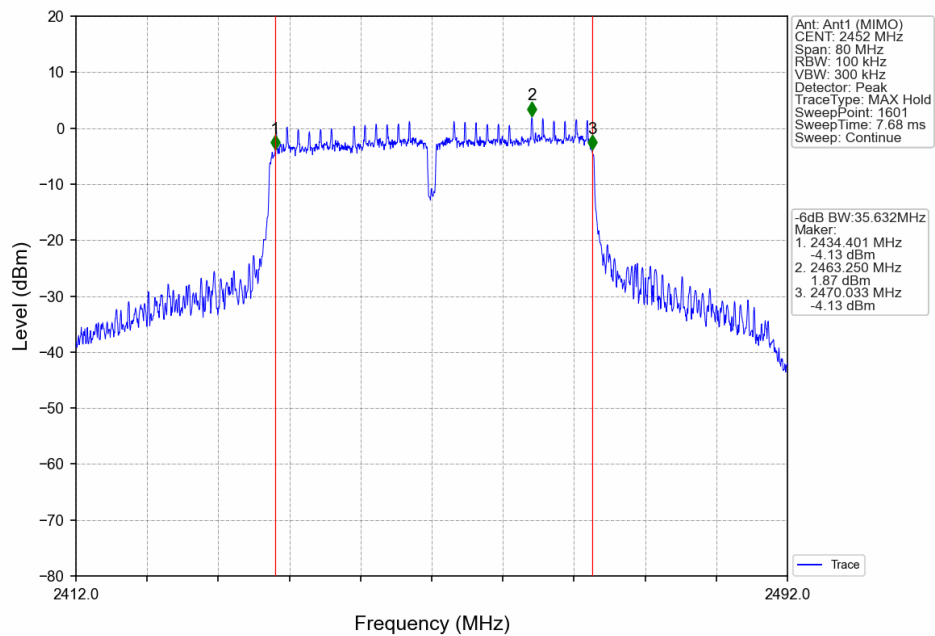
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

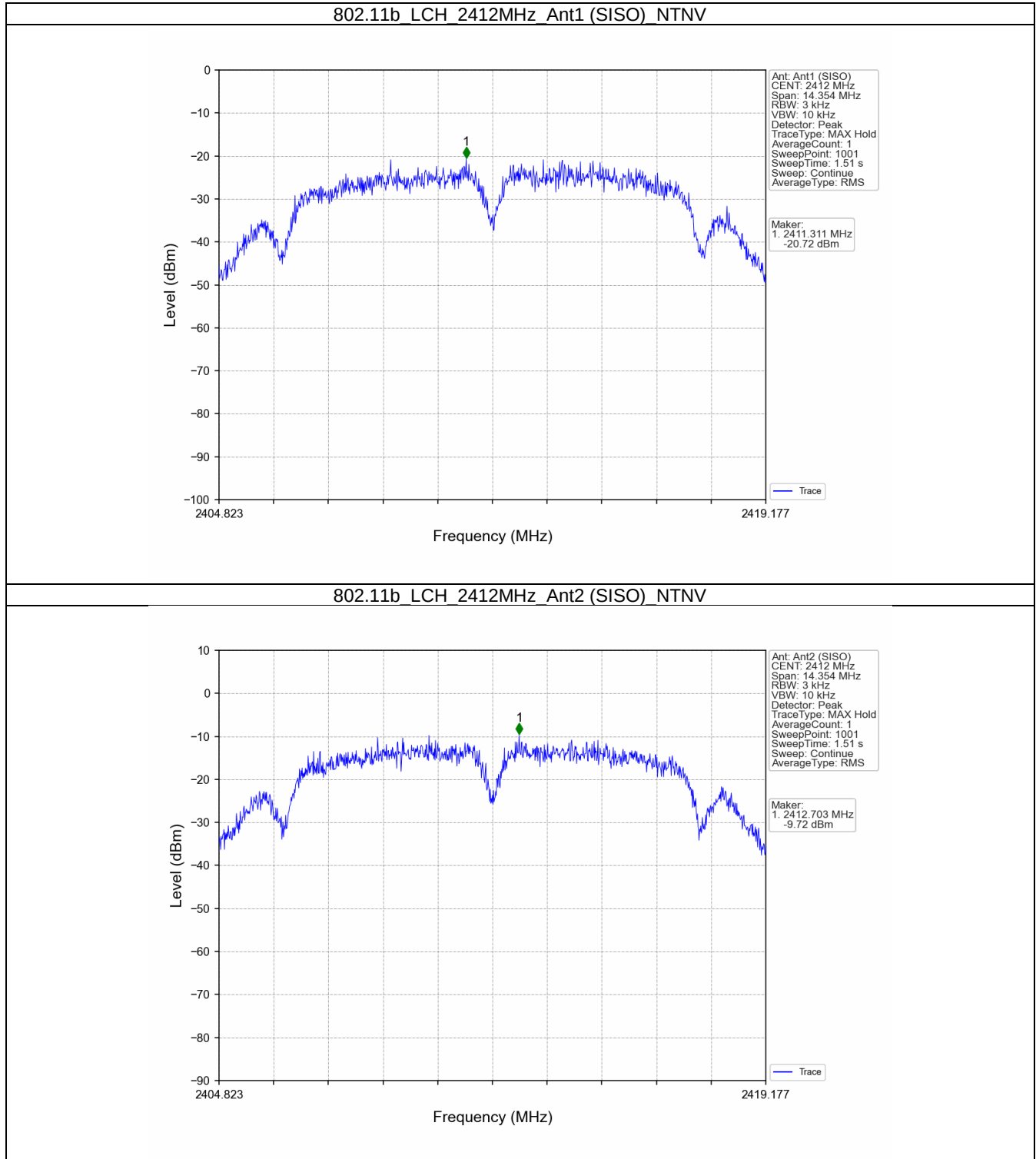
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-20.72	-9.72	/	<=8	Pass
		2437	/	/	-0.24	-2.72	/	<=8	Pass
		2462	/	/	-1.08	-5.23	/	<=8	Pass
802.11g	SISO	2412	/	/	-10.30	-11.49	/	<=8	Pass
		2437	/	/	-7.12	-9.91	/	<=8	Pass
		2462	/	/	-8.11	-10.26	/	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-11.55	-12.17	/	<=8	Pass
		2437	/	/	-7.31	-9.70	/	<=8	Pass
		2462	/	/	-8.26	-11.81	/	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-13.13	-14.52	/	<=8	Pass
		2437	/	/	-12.13	-12.72	/	<=8	Pass
		2452	/	/	-13.33	-12.53	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-10.12	-12.10	-9.10	<=8	Pass
		2437	/	/	-9.67	-10.03	-8.28	<=8	Pass
		2462	/	/	-9.76	-11.20	-8.48	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-14.05	-15.92	-12.36	<=8	Pass
		2437	/	/	-13.17	-14.83	-11.70	<=8	Pass
		2452	/	/	-13.66	-14.68	-11.44	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-11.16	-12.89	/	<=8	Pass
		2437	RU242	Left	-8.94	-10.36	/	<=8	Pass
		2462	RU242	Left	-9.38	-11.08	/	<=8	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	-13.61	-15.73	/	<=8	Pass
		2437	RU484	Left	-12.60	-13.93	/	<=8	Pass
		2452	RU484	Left	-13.66	-12.81	/	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-11.57	-12.27	-9.53	<=8	Pass
		2437	RU242	Left	-9.50	-10.60	-7.92	<=8	Pass
		2462	RU242	Left	-9.41	-11.48	-8.10	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-12.78	-15.27	-11.37	<=8	Pass
		2437	RU484	Left	-11.76	-13.03	-10.53	<=8	Pass
		2452	RU484	Left	-12.50	-13.51	-11.20	<=8	Pass

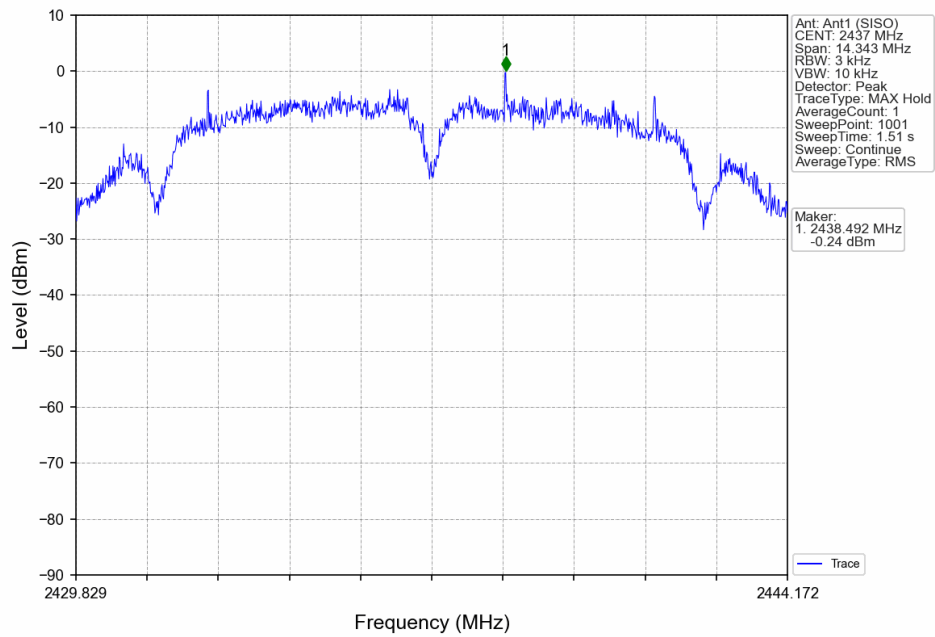
Note1: Antenna Gain: Ant1: 2.88dBi; Ant2: 2.88dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4.2 Test Graph

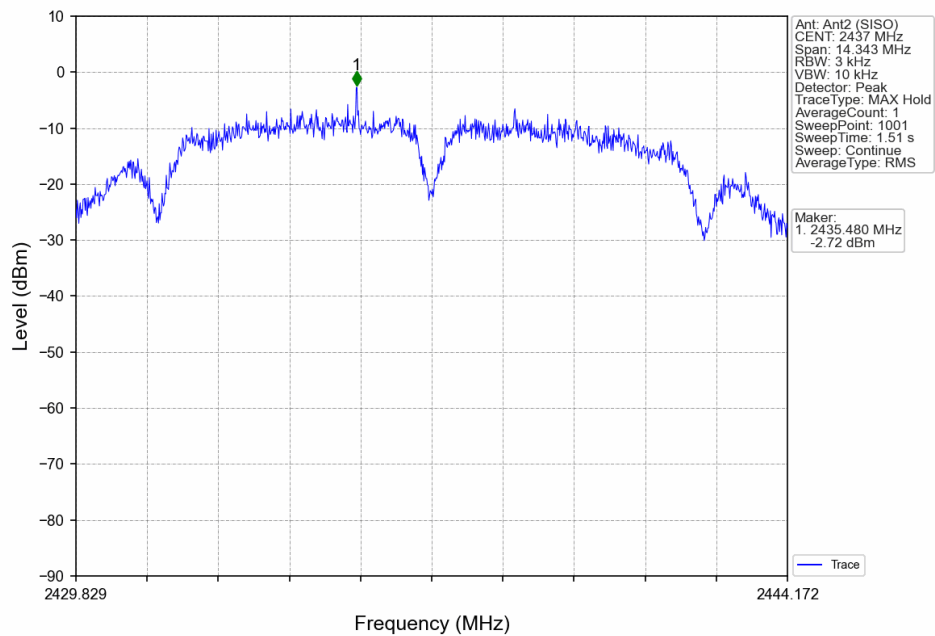
4.2.1 PSD



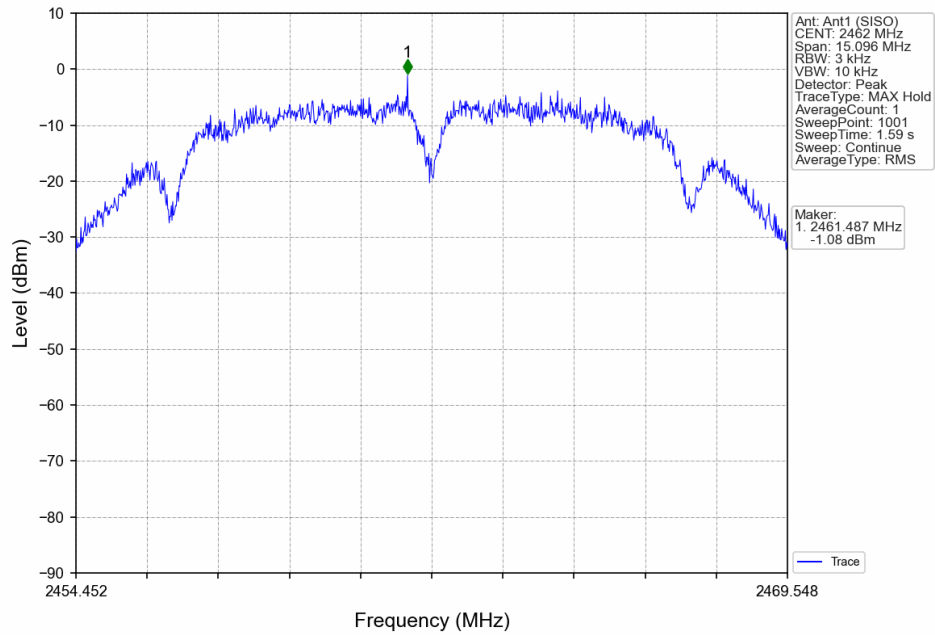
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



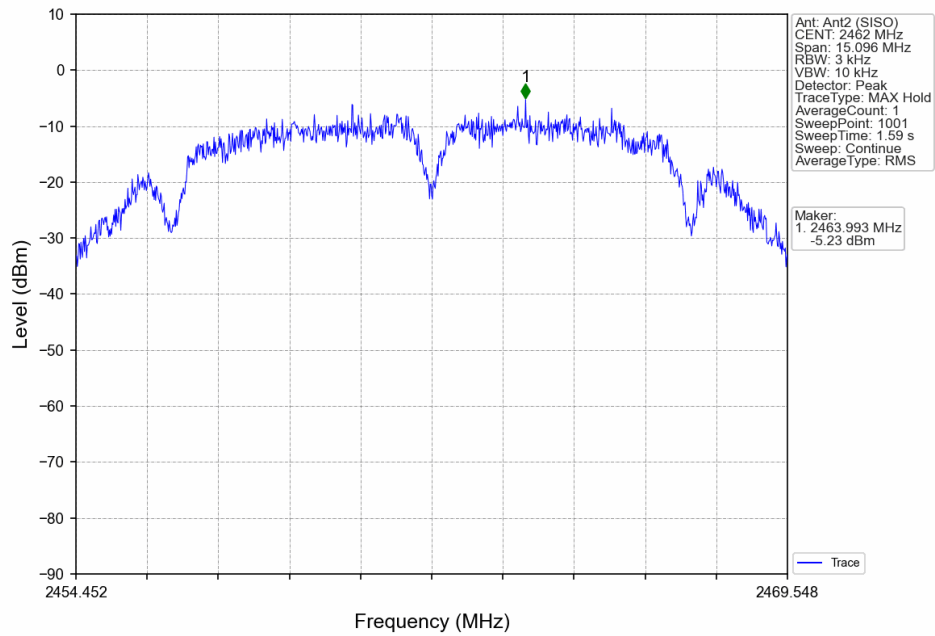
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



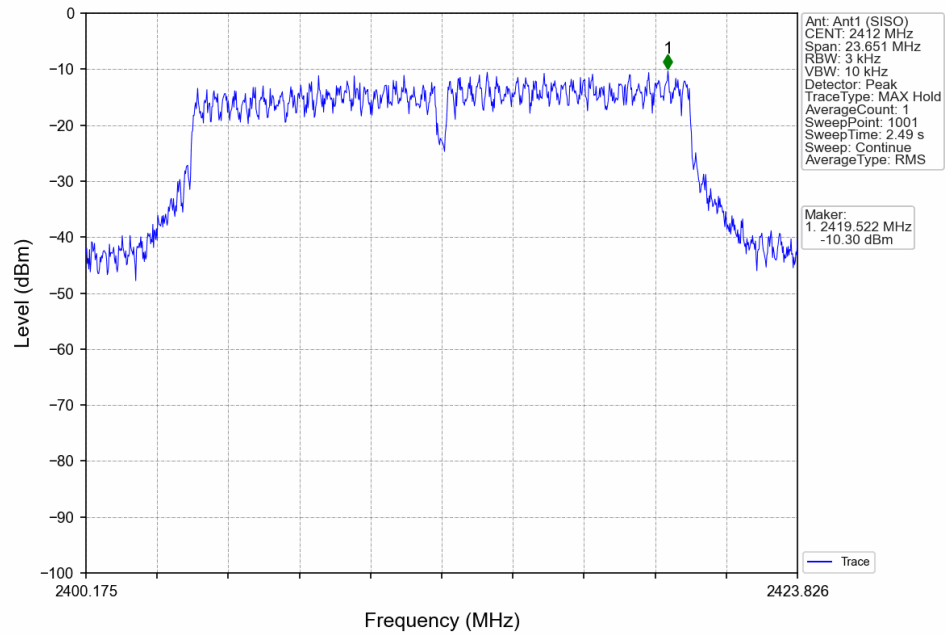
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



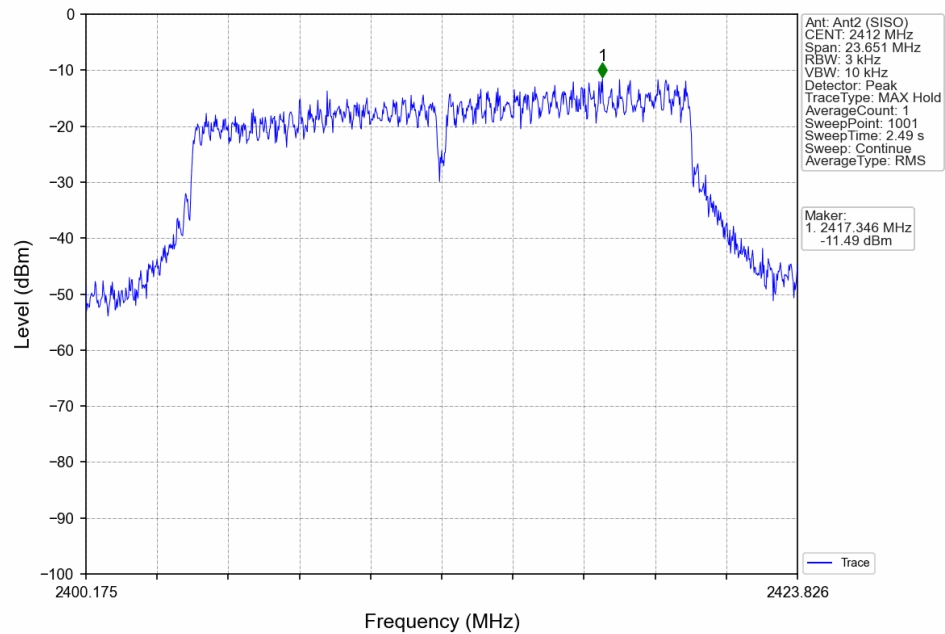
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



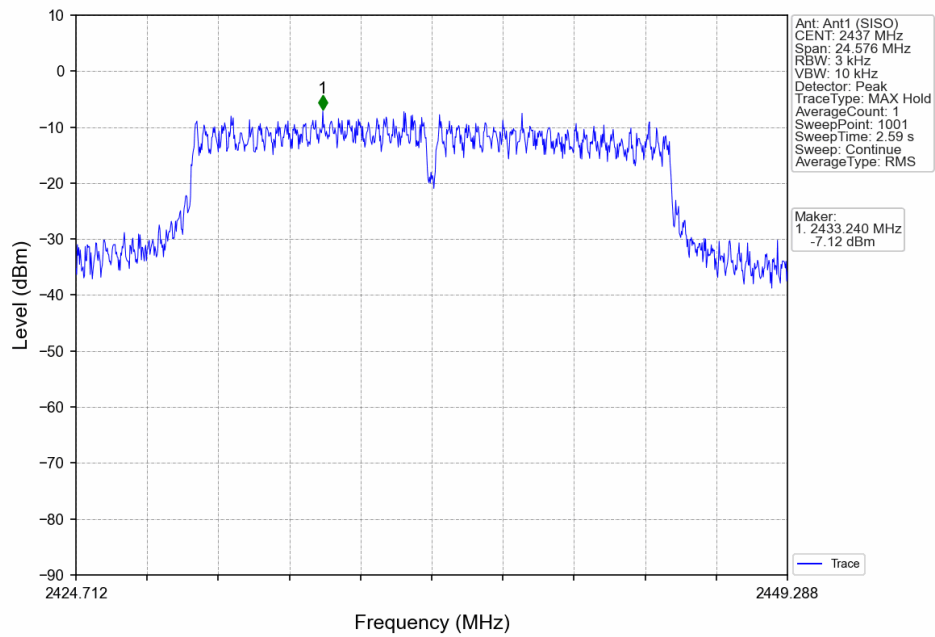
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



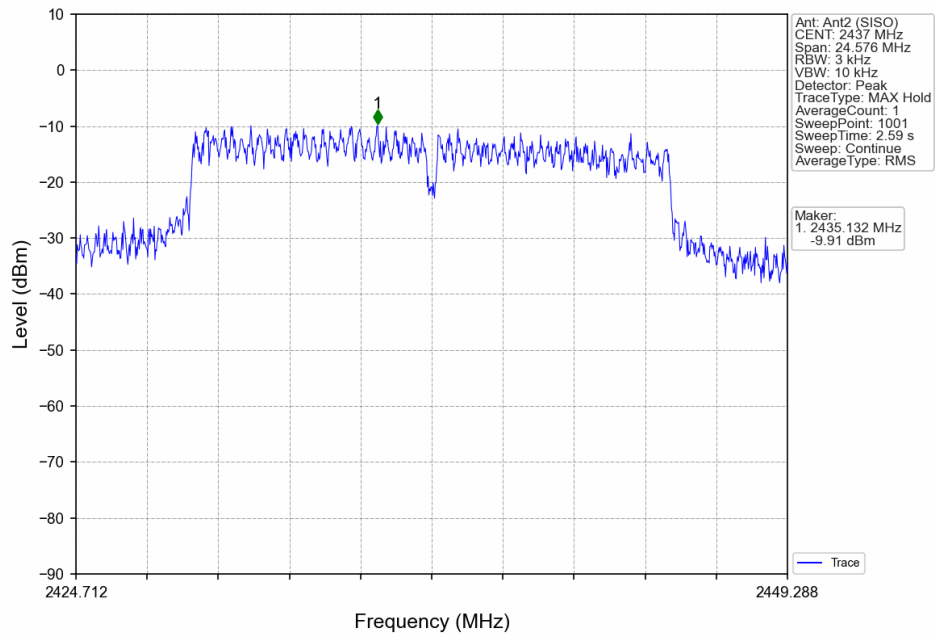
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



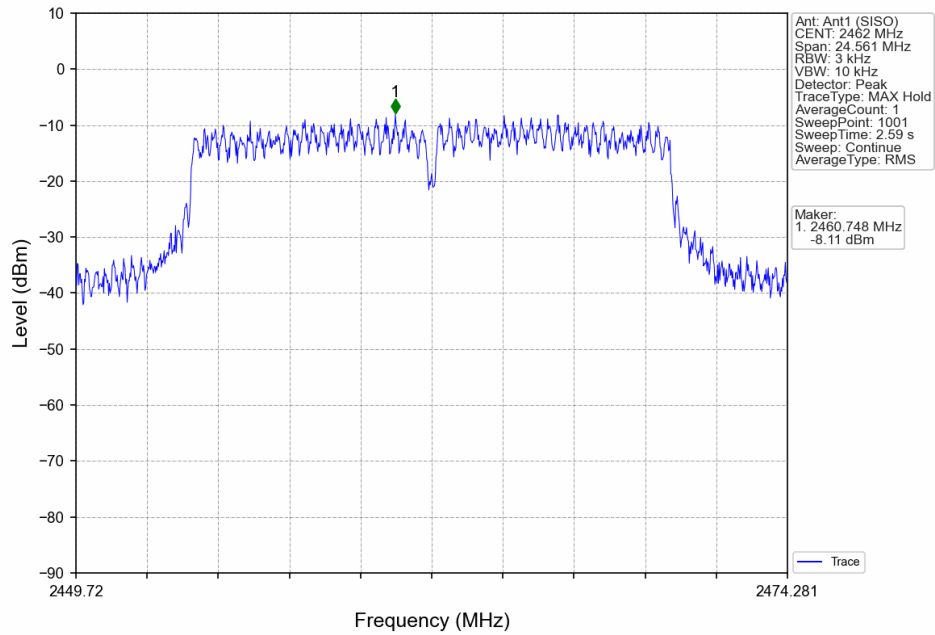
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



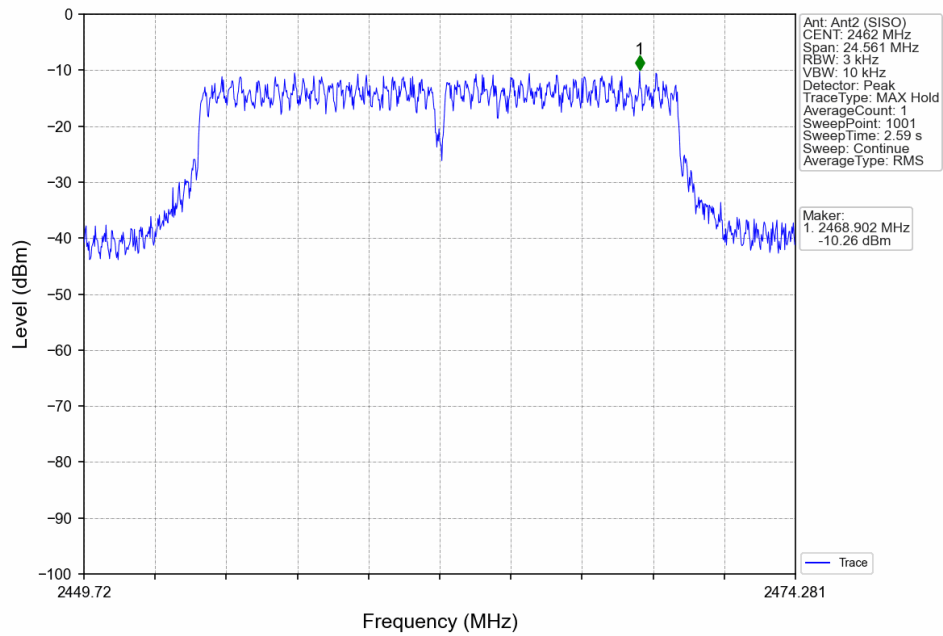
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



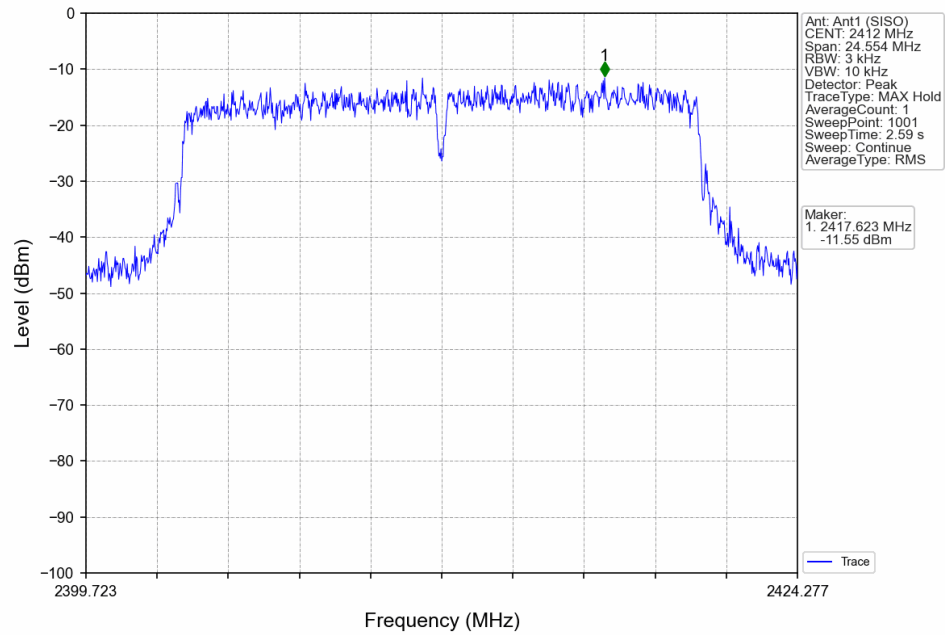
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV

