1. Duty Cycle

1.1 Test Result

1.1.1 Ant0

Ant0									
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	/	/	8.383	9.390	89.28	0.49	0.35
		2437	/	/	8.384	9.390	89.29	0.49	0.35
		2462	/	/	8.387	9.367	89.54	0.48	0.10
802.11g	SISO	2412	/	/	1.392	2.362	58.93	2.30	1.40
		2437	/	/	1.392	2.362	58.93	2.30	0.03
		2462	/	/	1.393	2.408	57.85	2.38	1.10
802.11n (HT20)	MIMO	2412	/	/	1.289	2.268	56.83	2.45	0.22
		2437	/	/	1.289	2.304	55.95	2.52	2.52
		2462	/	/	1.288	2.268	56.79	2.46	0.28
802.11n (HT40)	MIMO	2422	/	/	0.633	1.603	39.49	4.04	0.03
		2437	/	/	0.633	1.603	39.49	4.04	0.03
		2452	/	/	0.633	1.612	39.27	4.06	17.84
802.11ax (HEW20)	MIMO	2412	RU242	Left	1.015	1.993	50.93	2.93	0.27
		2437	RU242	Left	1.014	1.984	51.11	2.92	0.00
		2462	RU242	Left	1.014	2.029	49.98	3.01	1.16
802.11ax (HEW40)	MIMO	2422	RU484	Left	0.534	1.522	35.09	4.55	13.12
		2437	RU484	Left	0.534	1.513	35.29	4.52	13.31
		2452	RU484	Left	0.534	1.512	35.32	4.52	0.24

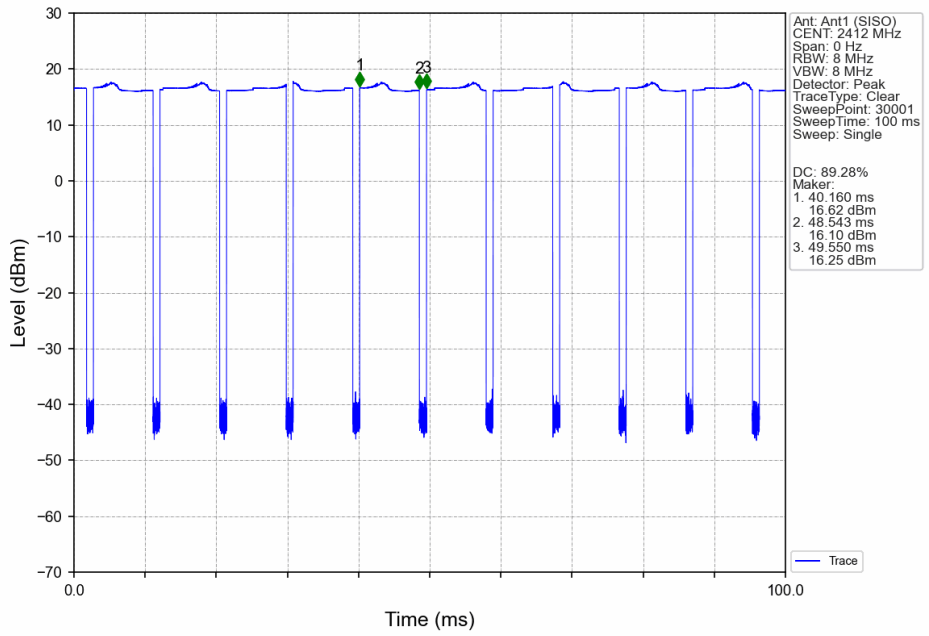
1.1.2 Ant1

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	9.400	89.22	0.50	0.41
		2437	/	/	8.383	9.363	89.53	0.48	1.29
		2462	/	/	8.383	9.356	89.60	0.48	0.61
802.11g	SISO	2412	/	/	1.392	2.362	58.93	2.30	1.40
		2437	/	/	1.392	2.362	58.93	2.30	0.01
		2462	/	/	1.392	2.381	58.46	2.33	0.46
802.11n (HT20)	MIMO	2412	/	/	1.289	2.268	56.83	2.45	0.22
		2437	/	/	1.288	2.259	57.02	2.44	0.02
		2462	/	/	1.289	2.295	56.17	2.51	0.90
802.11n (HT40)	MIMO	2422	/	/	0.633	1.612	39.27	4.06	0.22
		2437	/	/	0.633	1.613	39.24	4.06	0.27
		2452	/	/	0.632	1.603	39.43	4.04	17.65
802.11ax (HEW20)	MIMO	2412	RU242	Left	1.015	2.030	50.00	3.01	1.14
		2437	RU242	Left	1.014	1.993	50.88	2.93	0.26
		2462	RU242	Left	1.015	1.994	50.90	2.93	0.24
802.11ax (HEW40)	MIMO	2422	RU484	Left	0.534	1.503	35.53	4.49	0.02
		2437	RU484	Left	0.534	1.504	35.51	4.50	0.02
		2452	RU484	Left	0.534	1.513	35.29	4.52	0.24

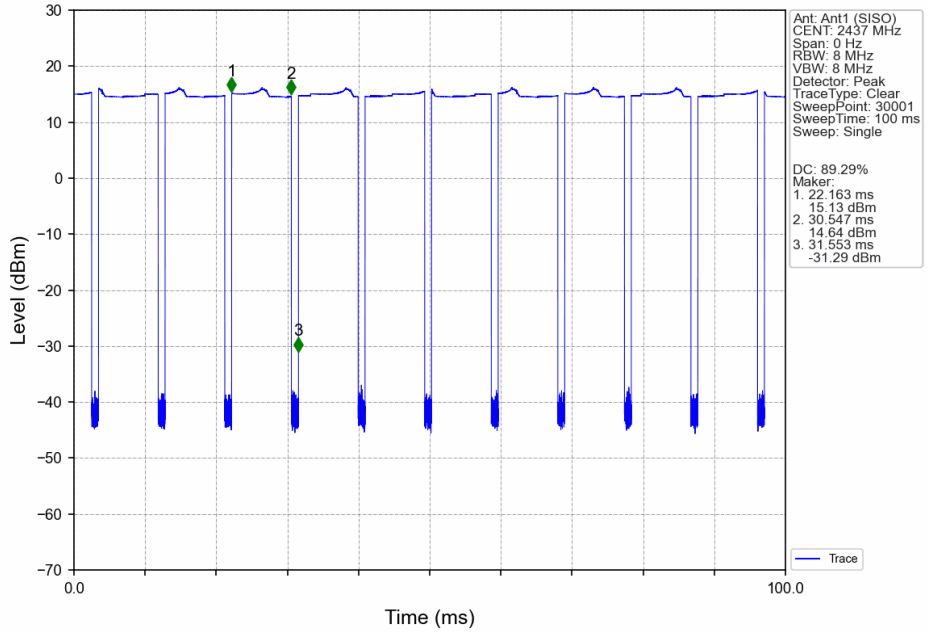
1.2 Test Graph

1.2.1 Ant0

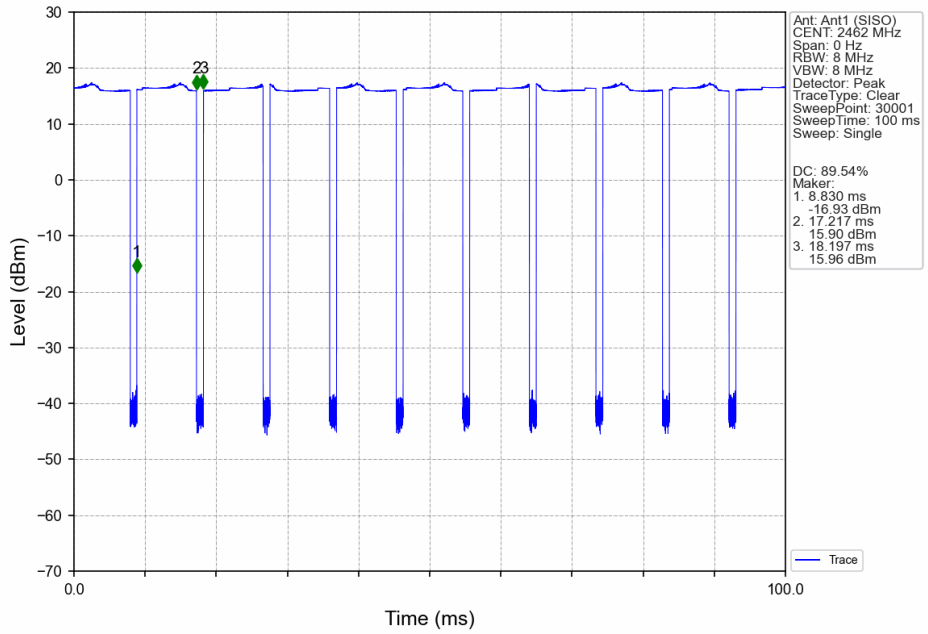
802.11b_LCH_2412MHz_Ant0 (SISO)_NTNV



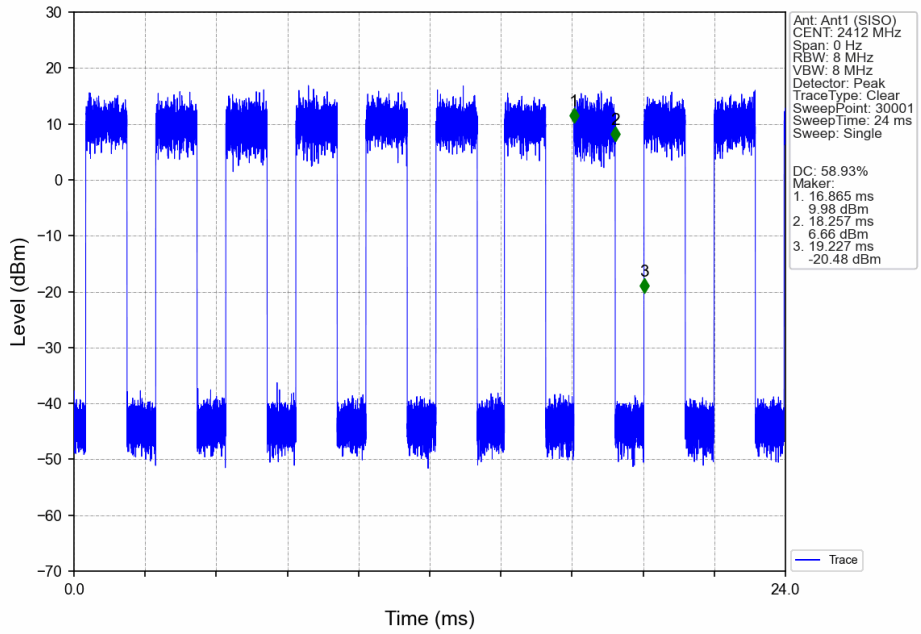
802.11b_MCH_2437MHz_Ant0 (SISO)_NTNV



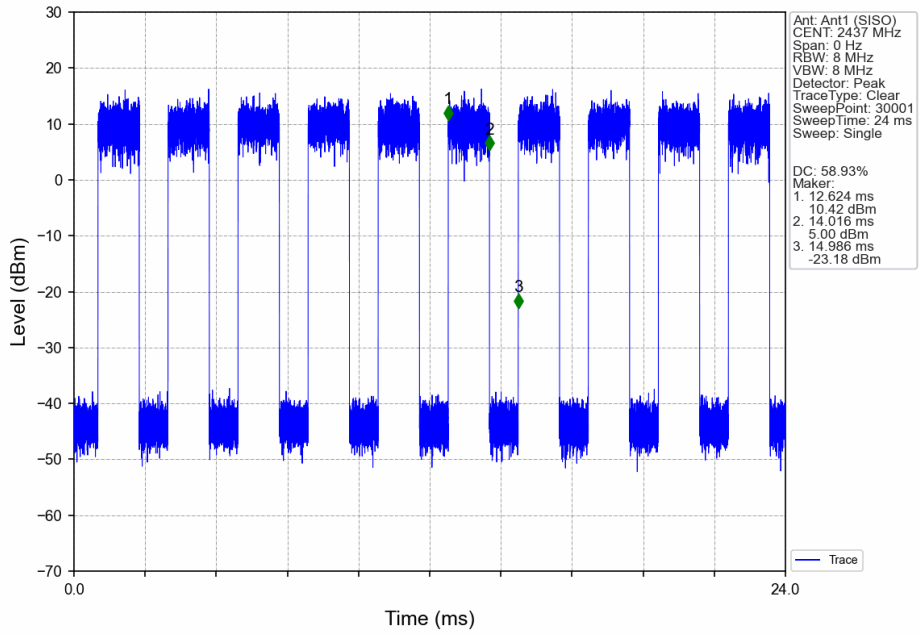
802.11b_HCH_2462MHz_Ant0 (SISO)_NTNV



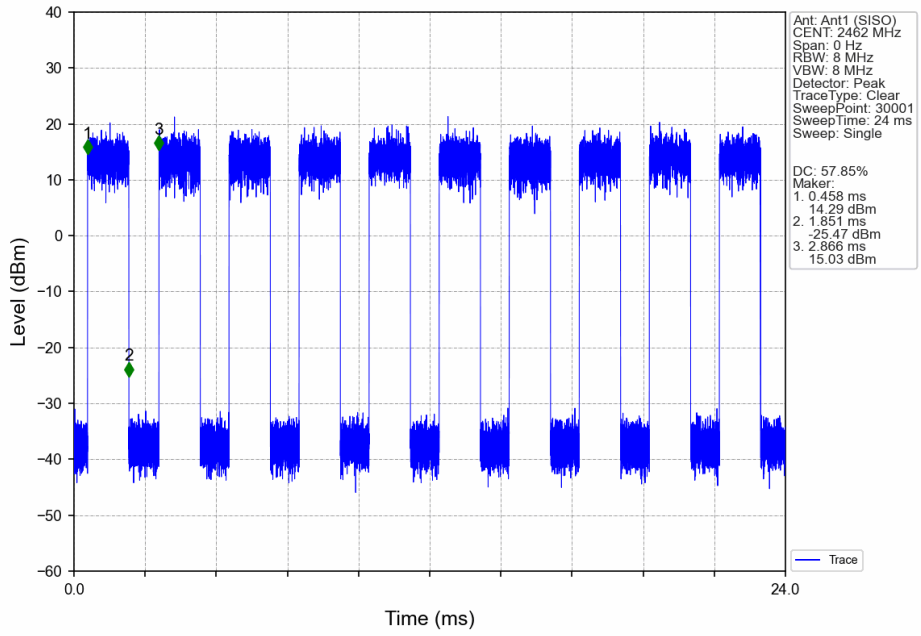
802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV



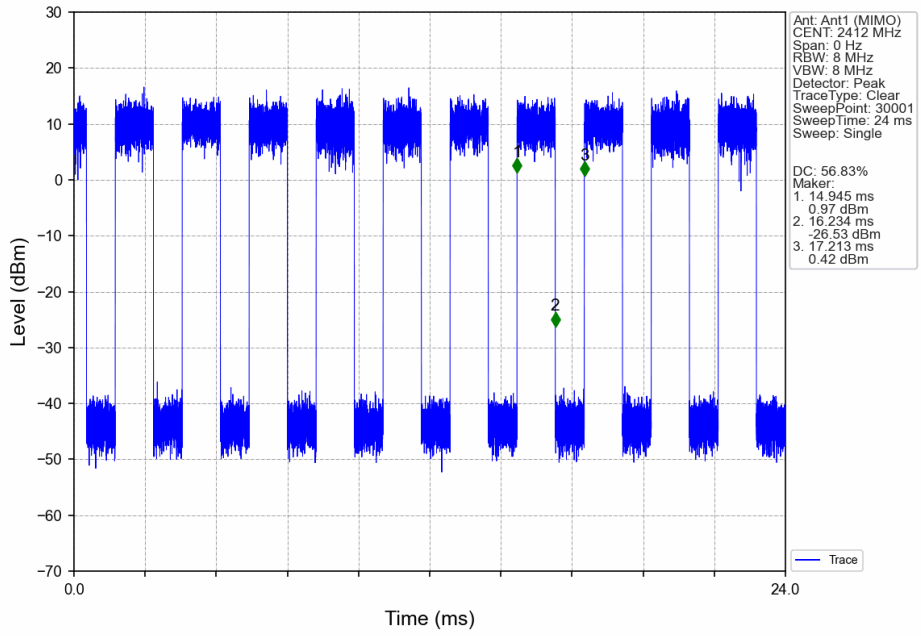
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



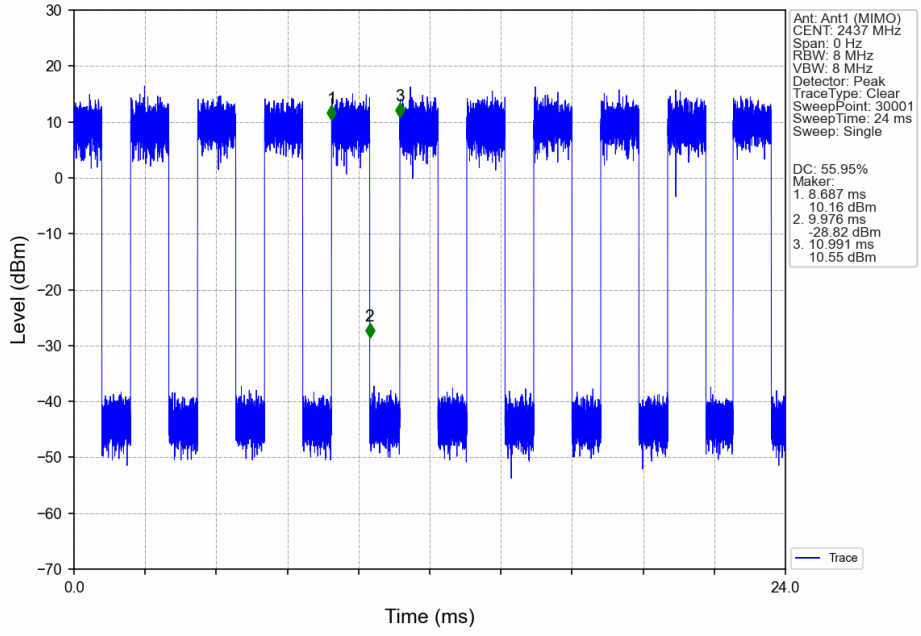
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



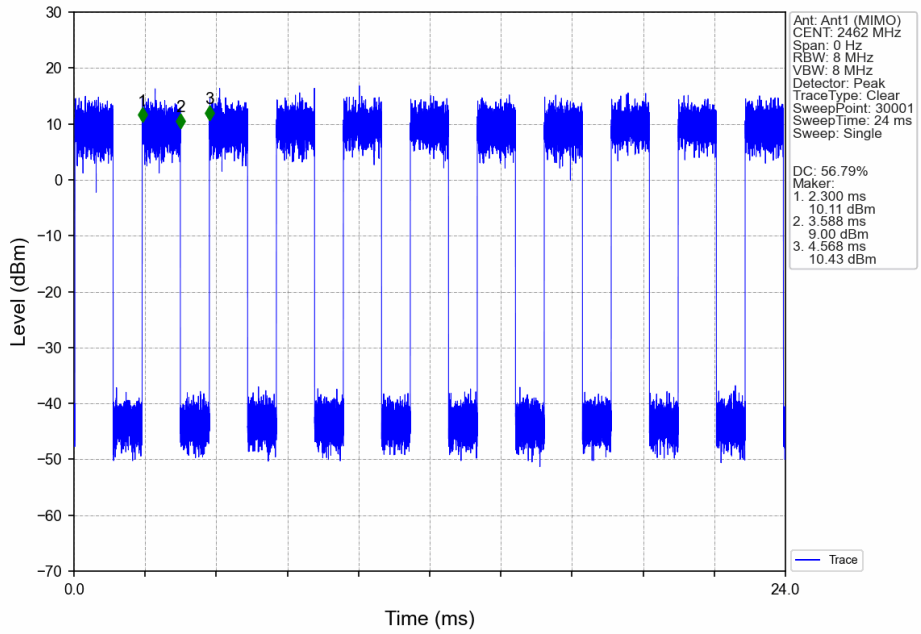
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



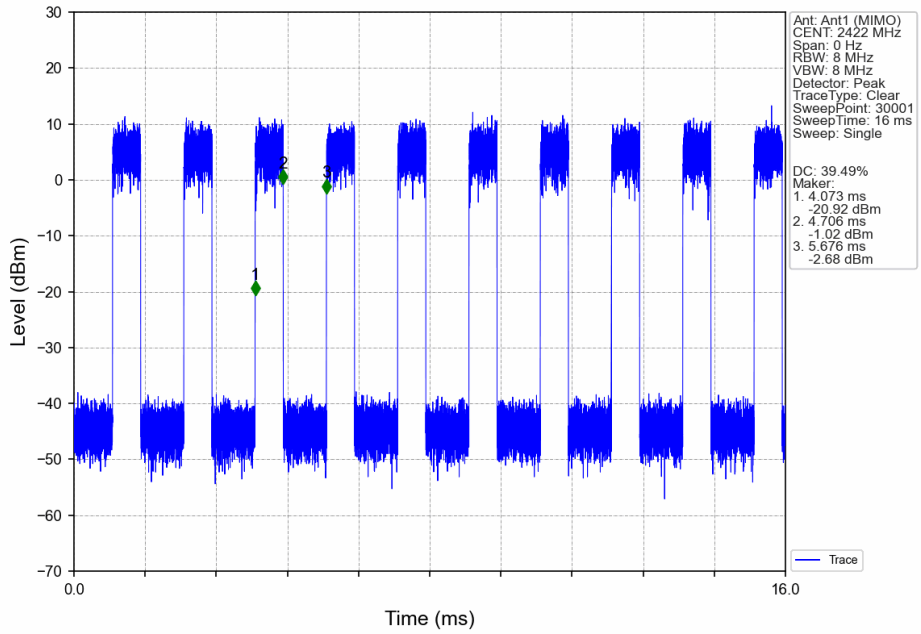
802.11n(HT20)_MCH_2437MHz_Ant0 (MIMO)_NTNV



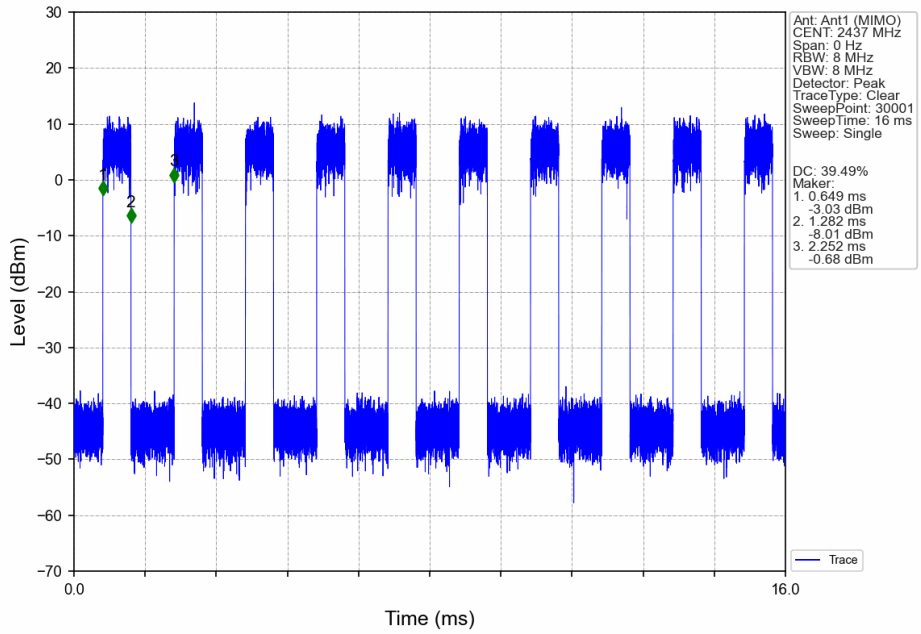
802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV



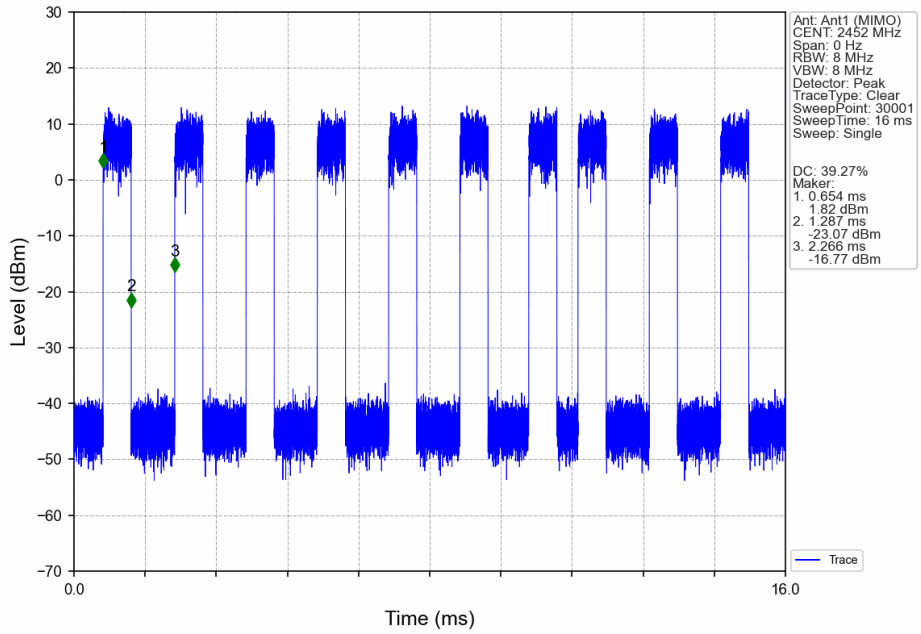
802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV



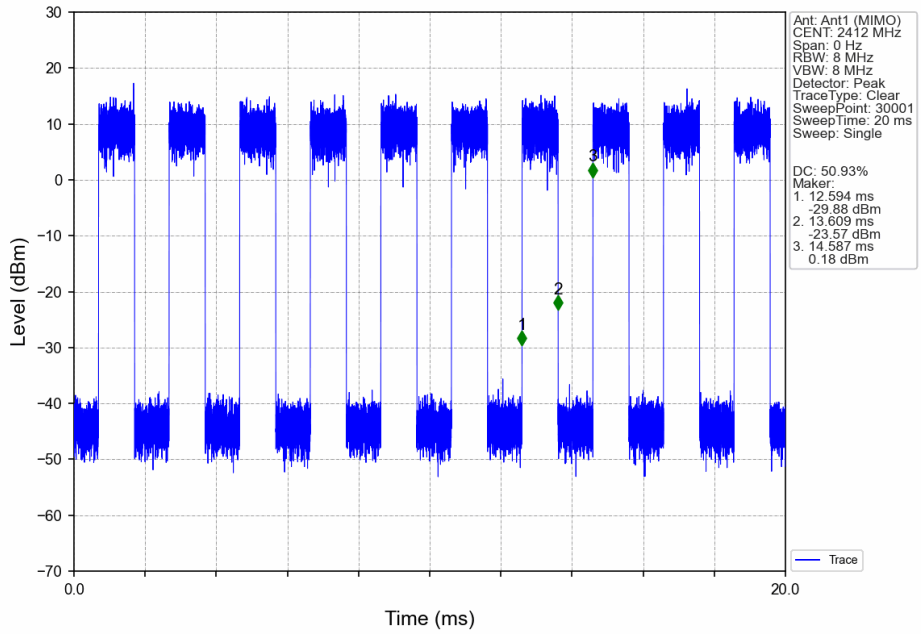
802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



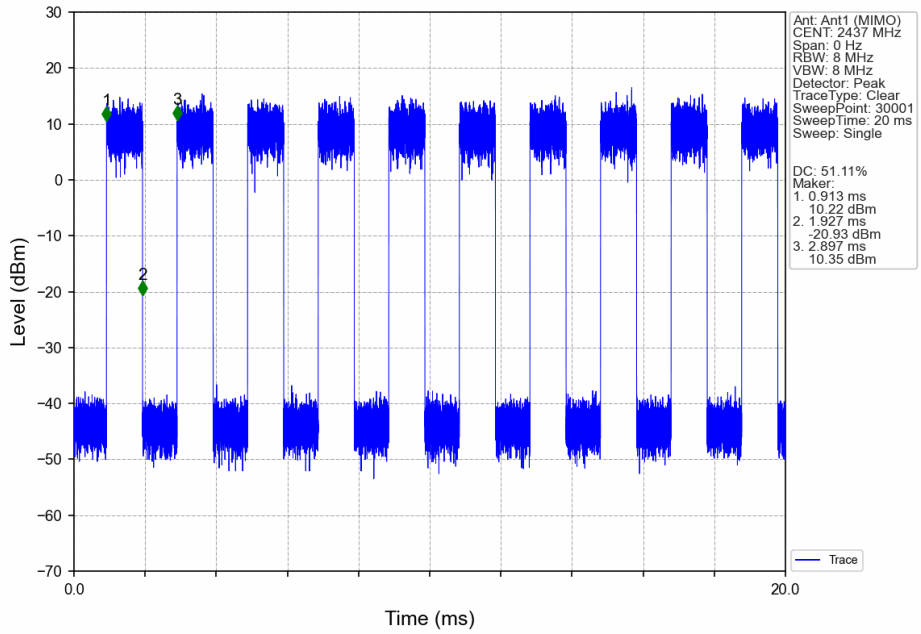
802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



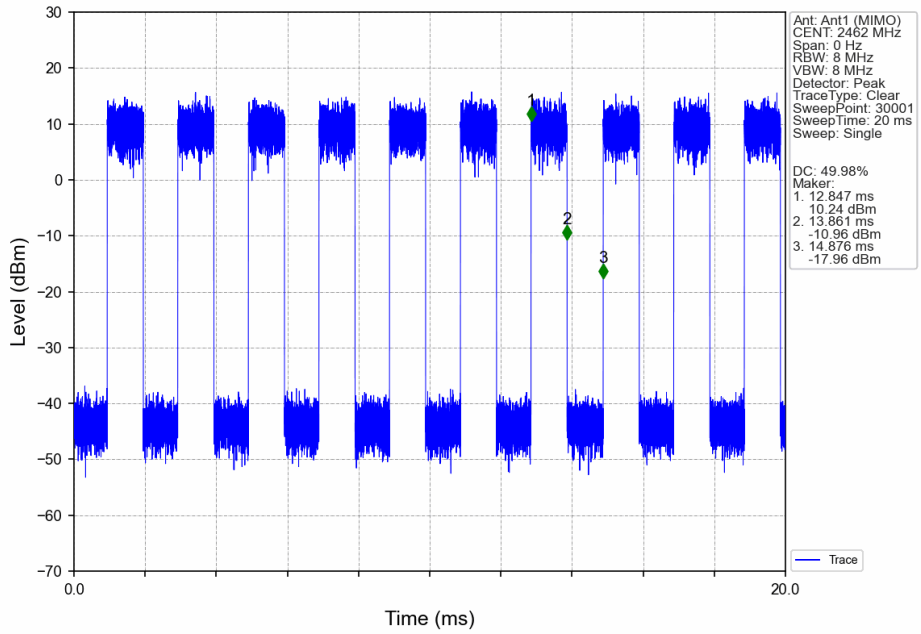
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant0 (MIMO)_NTNV



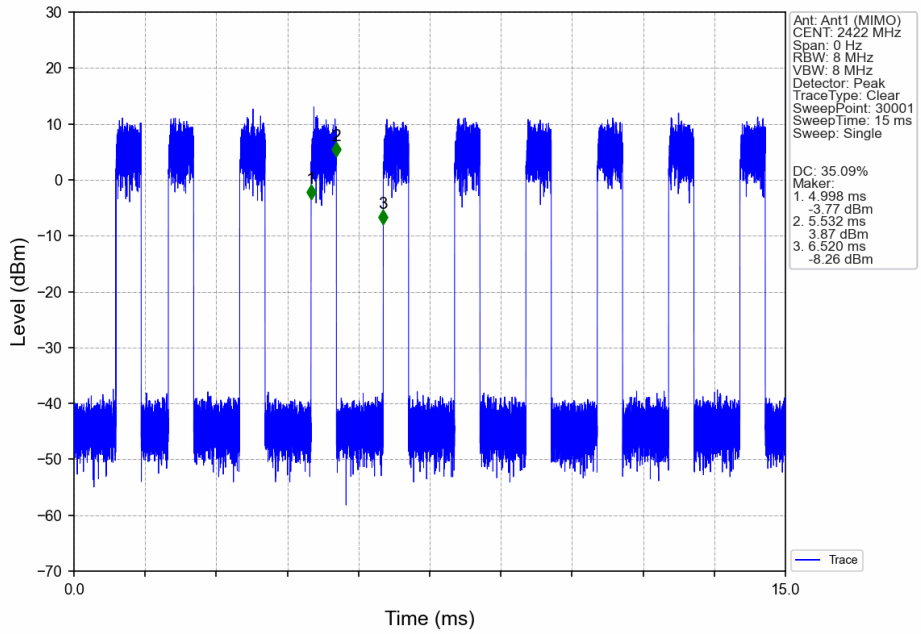
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant0 (MIMO)_NTNV



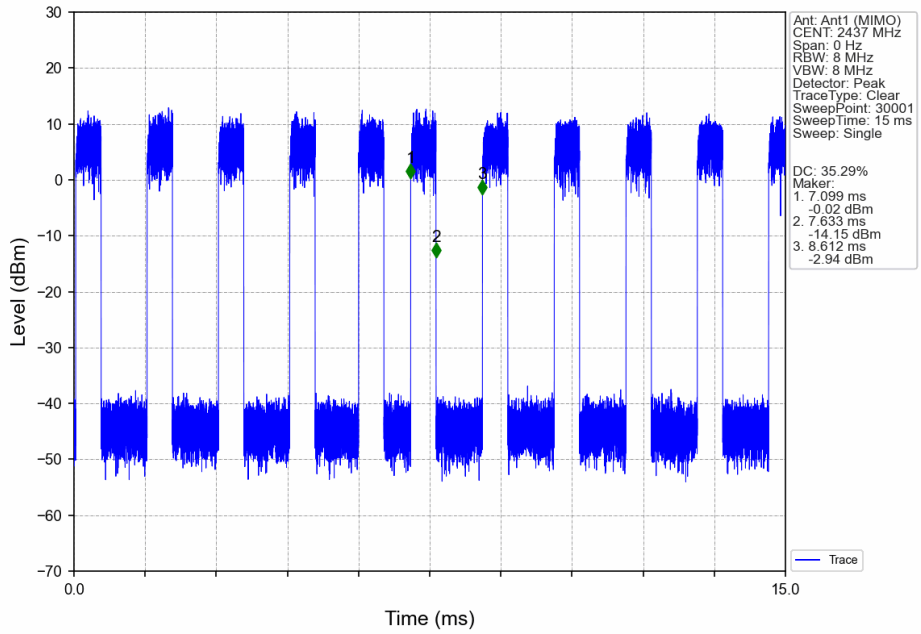
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant0 (MIMO)_NTNV



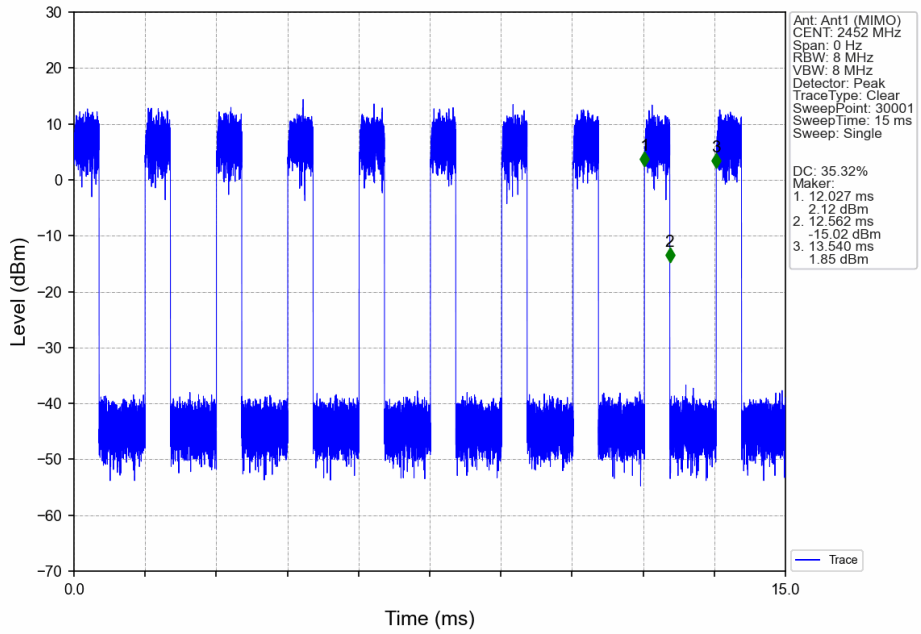
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant0 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant0 (MIMO)_NTNV

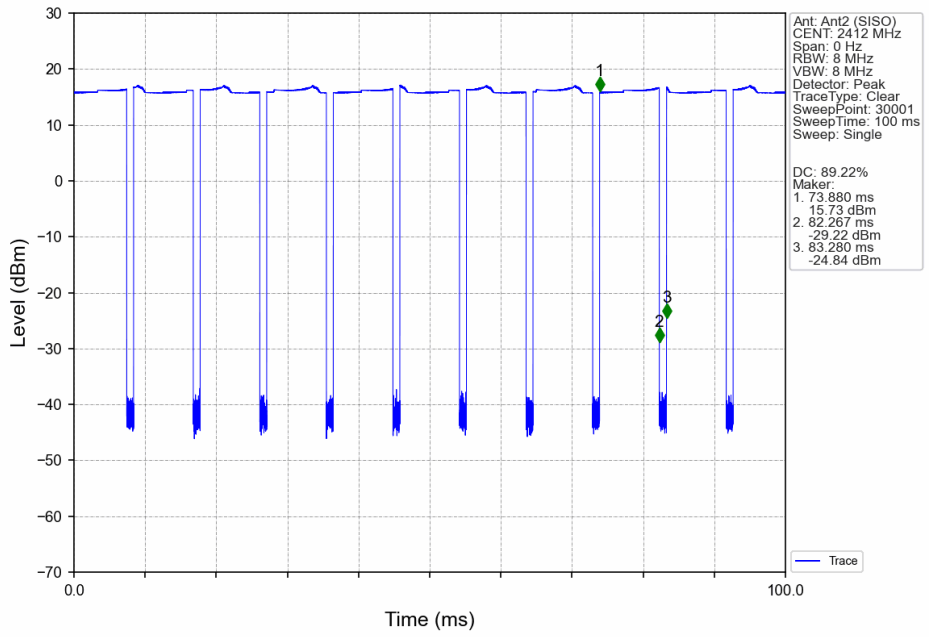


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant0 (MIMO)_NTNV

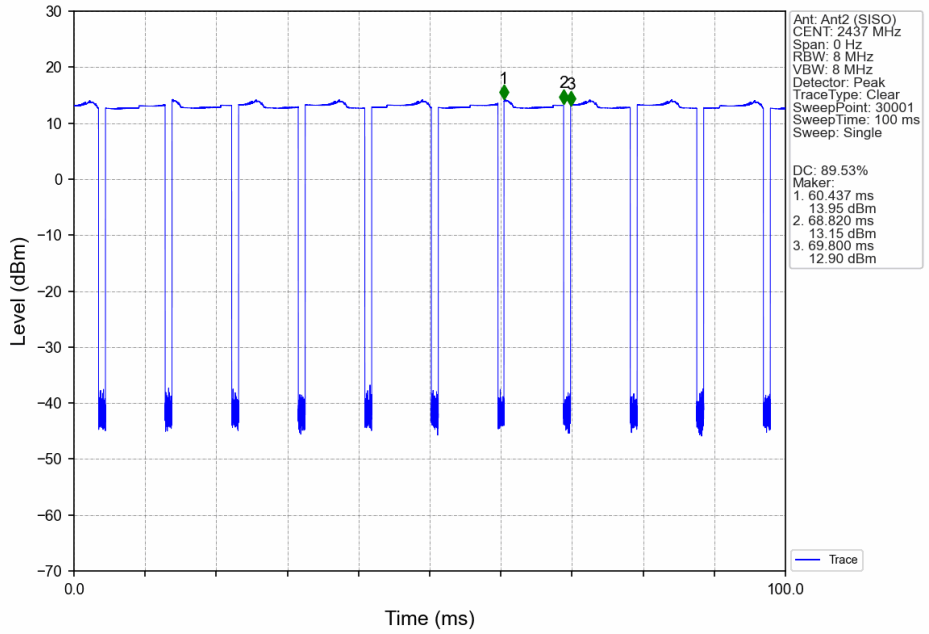


1.2.2 Ant1

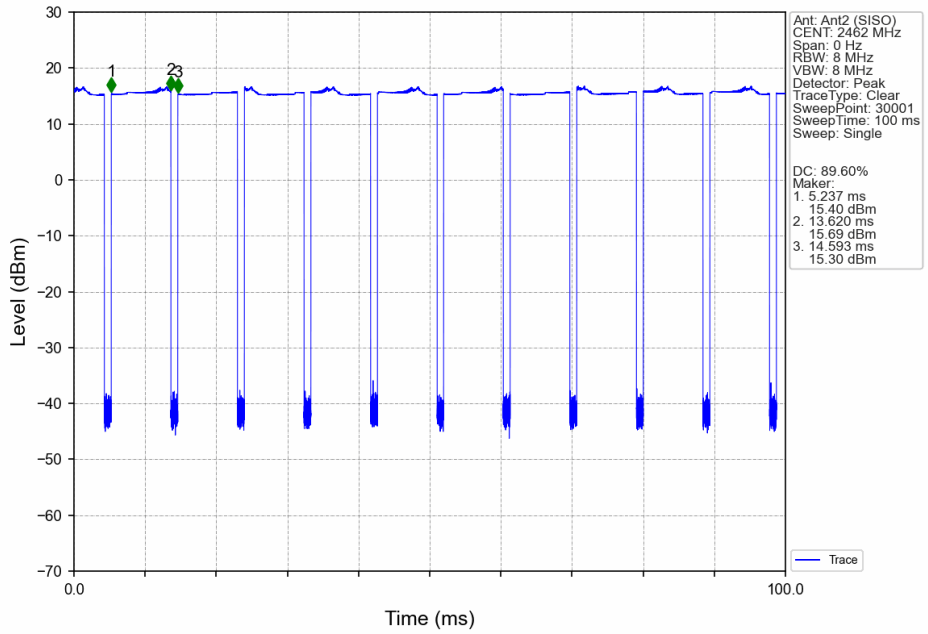
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



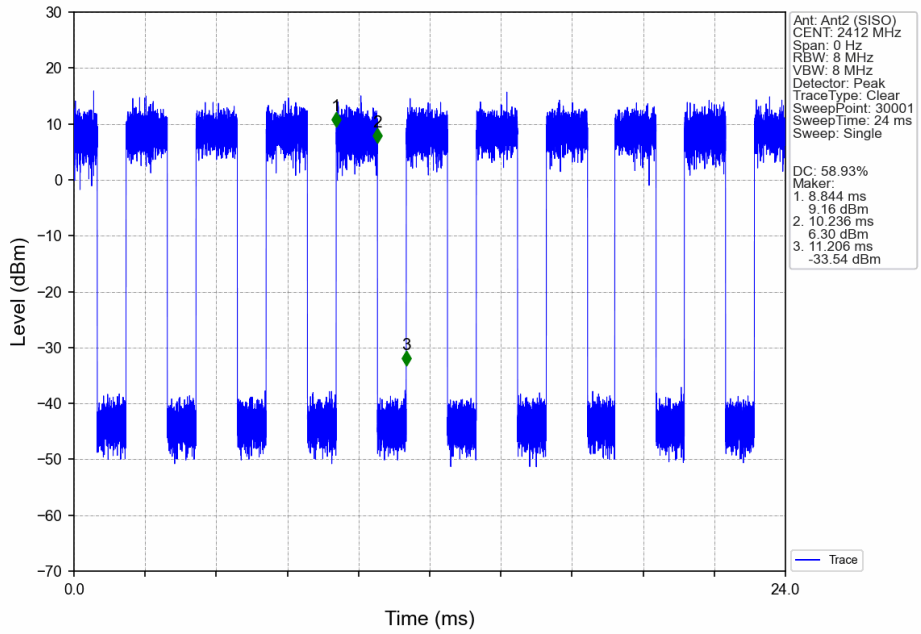
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



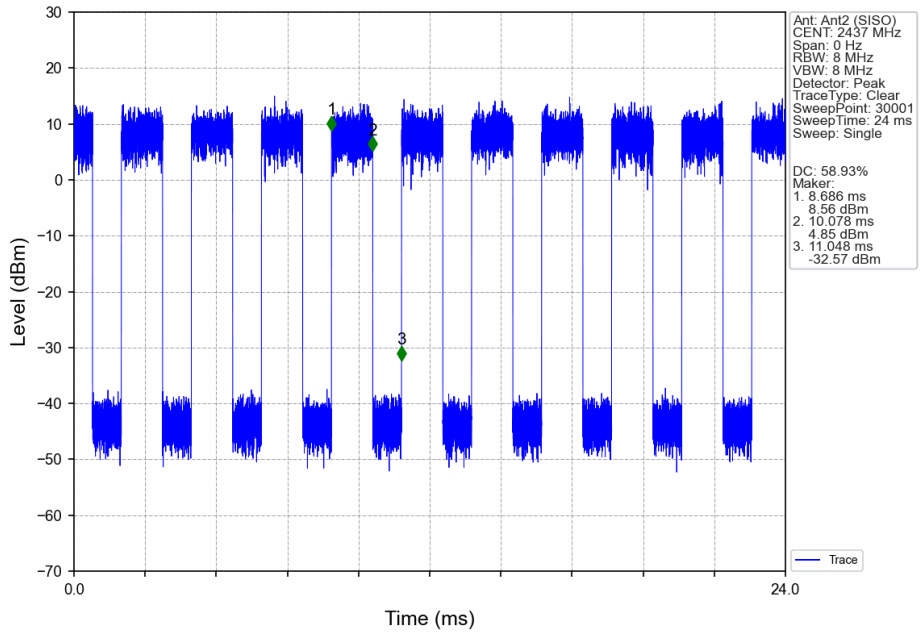
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



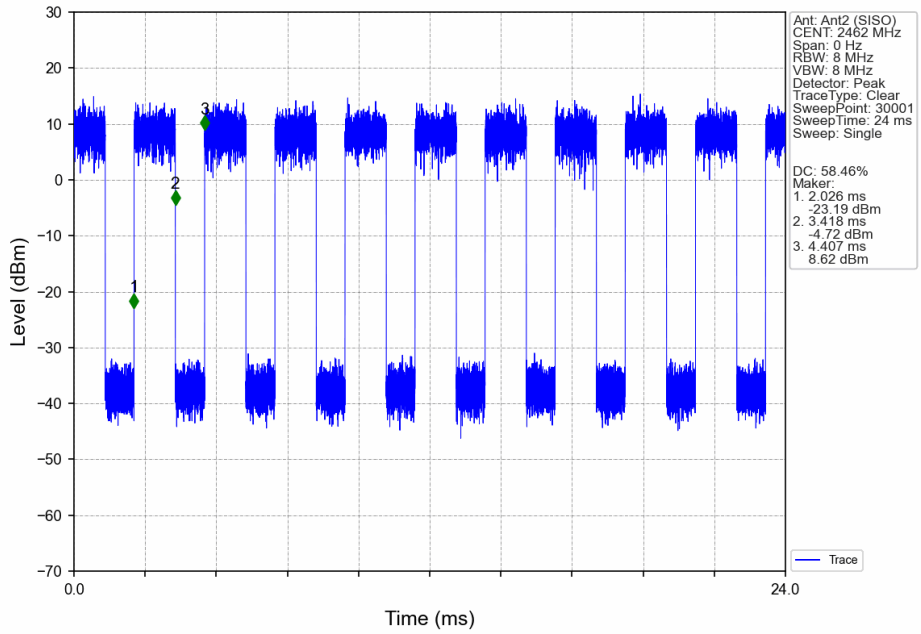
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



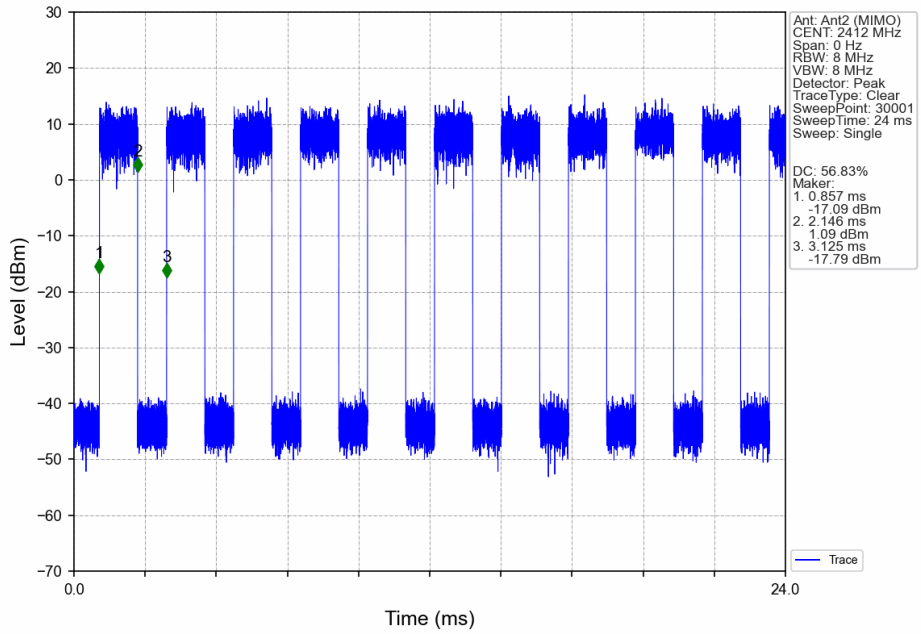
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



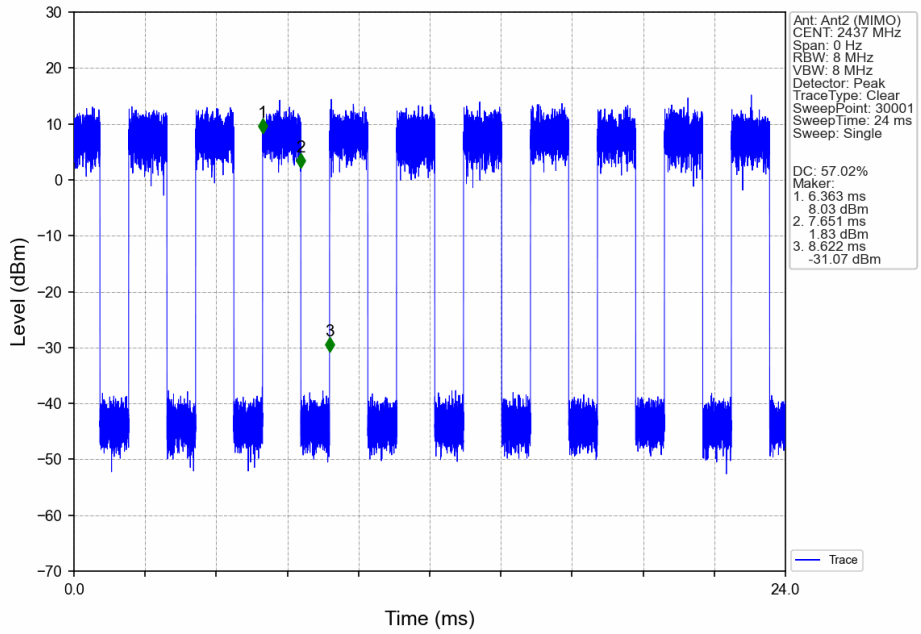
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



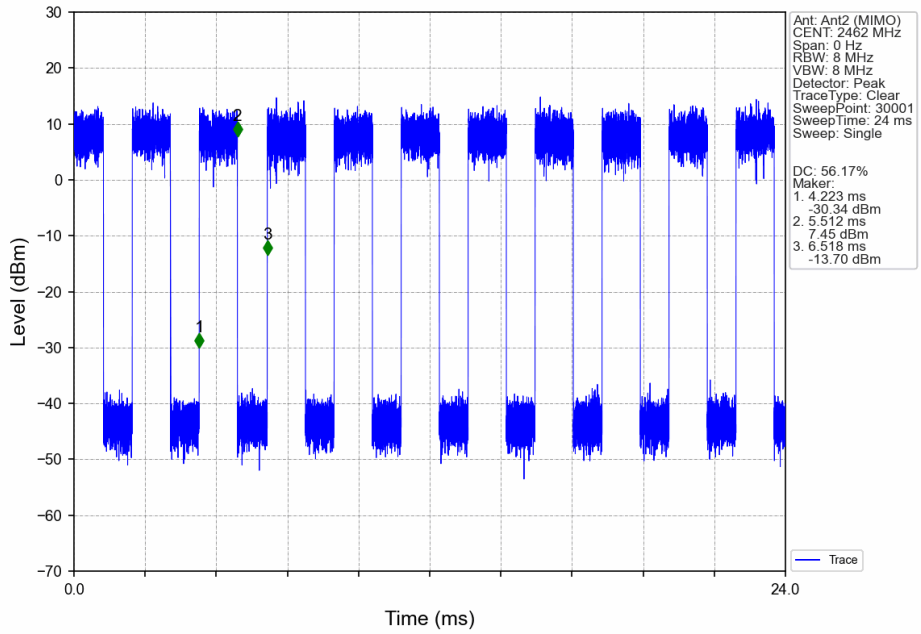
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



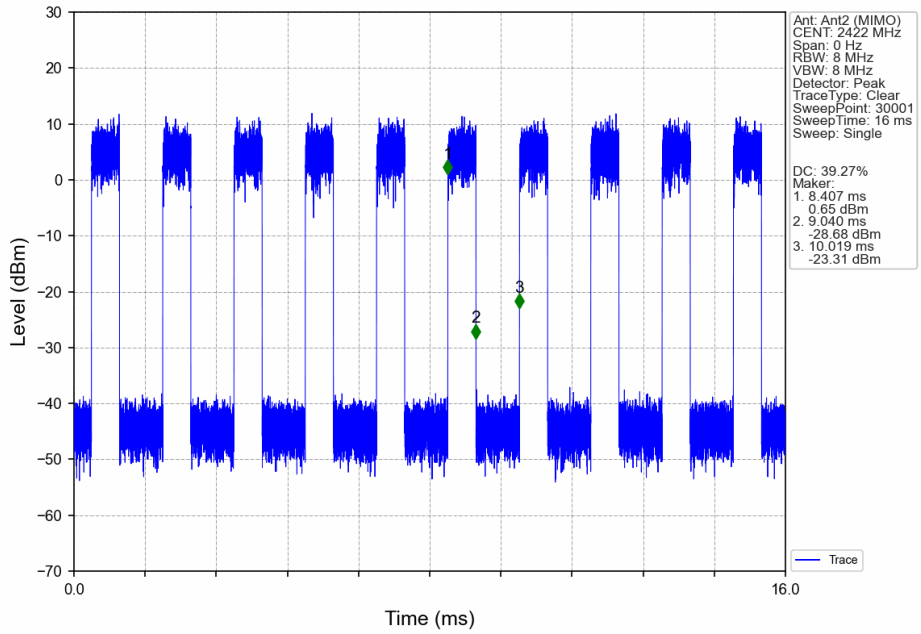
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



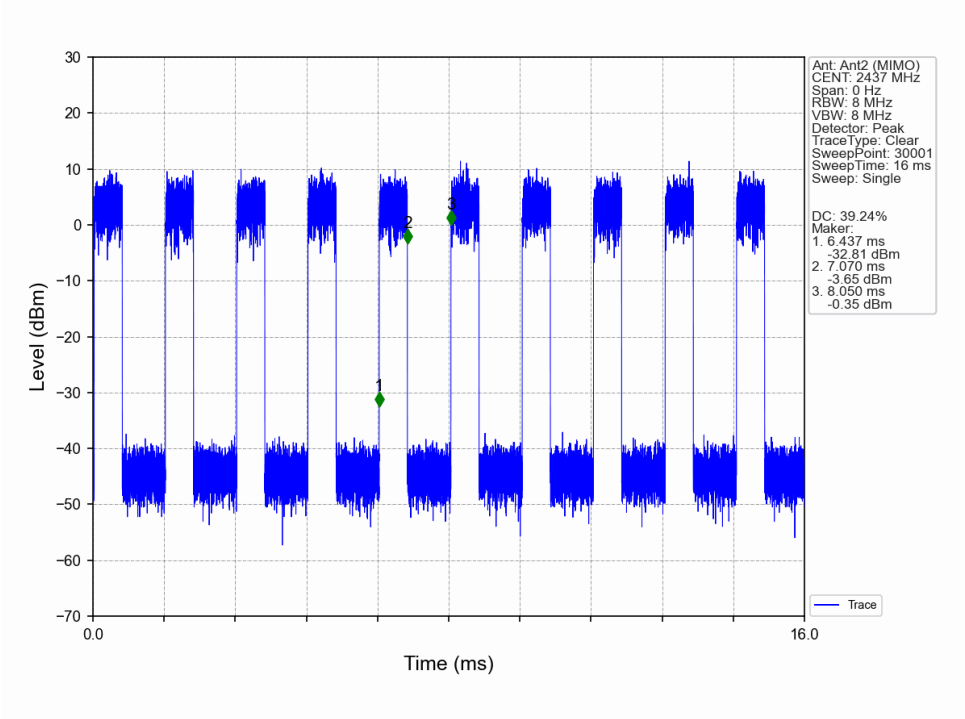
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



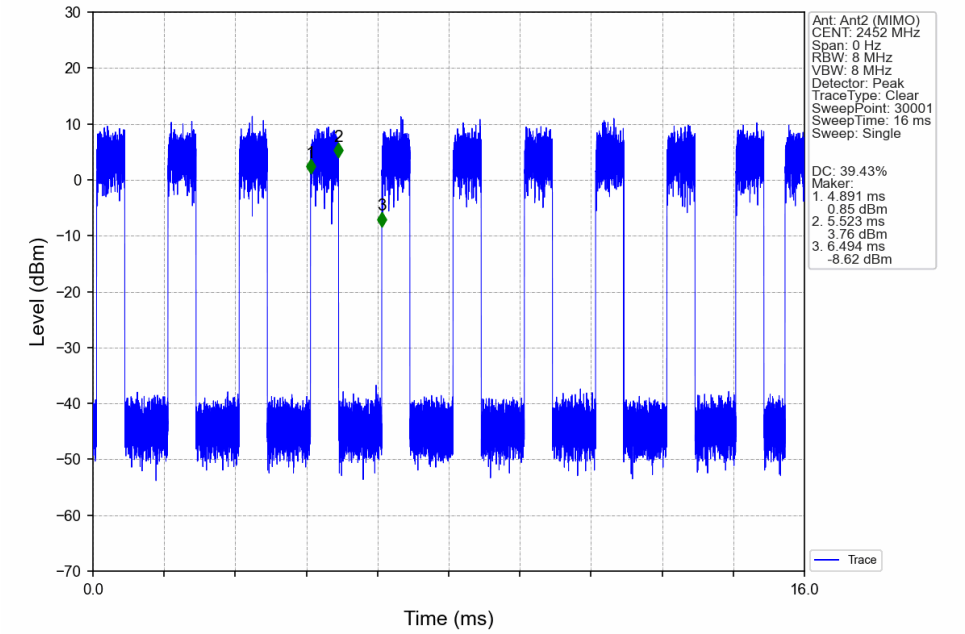
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



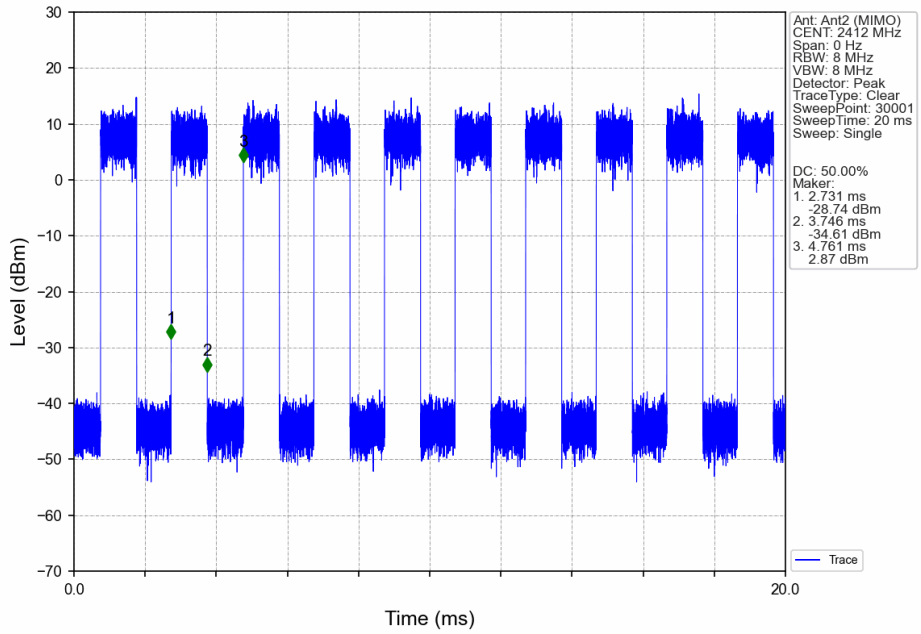
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



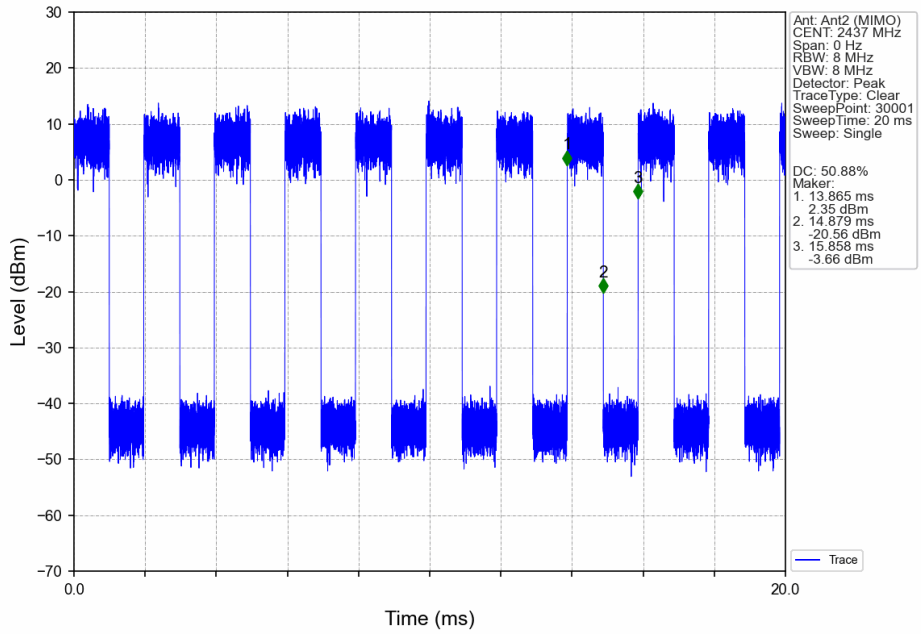
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



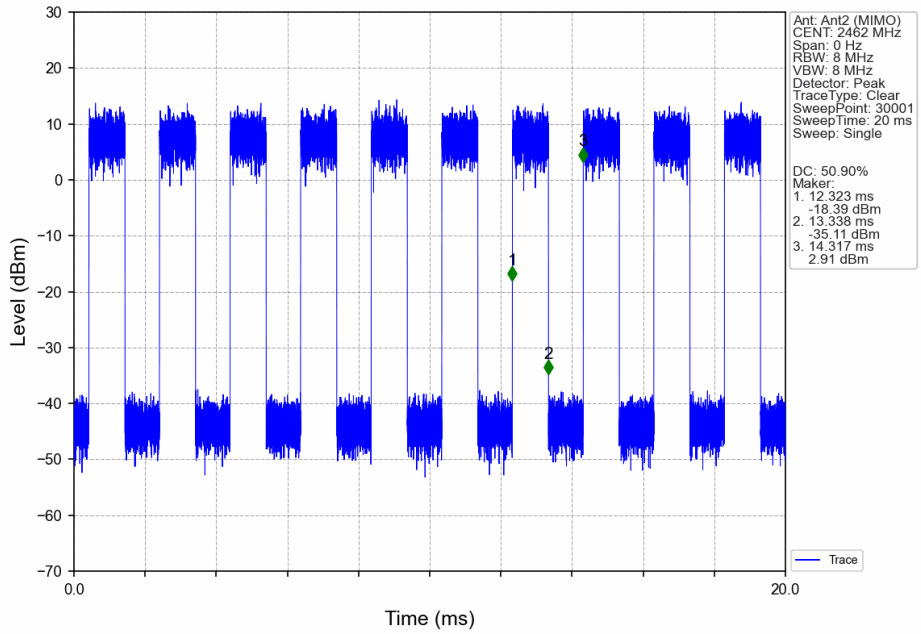
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



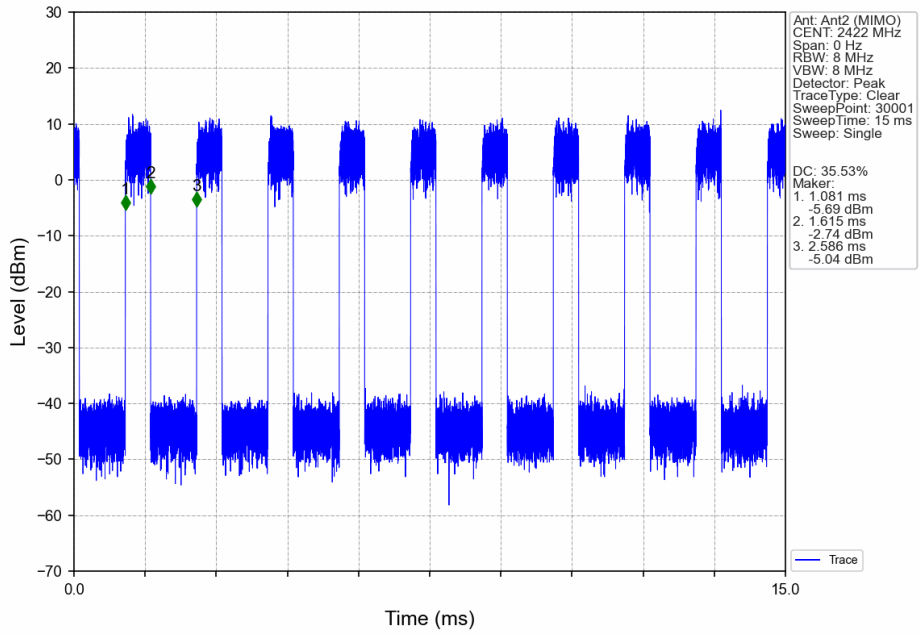
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



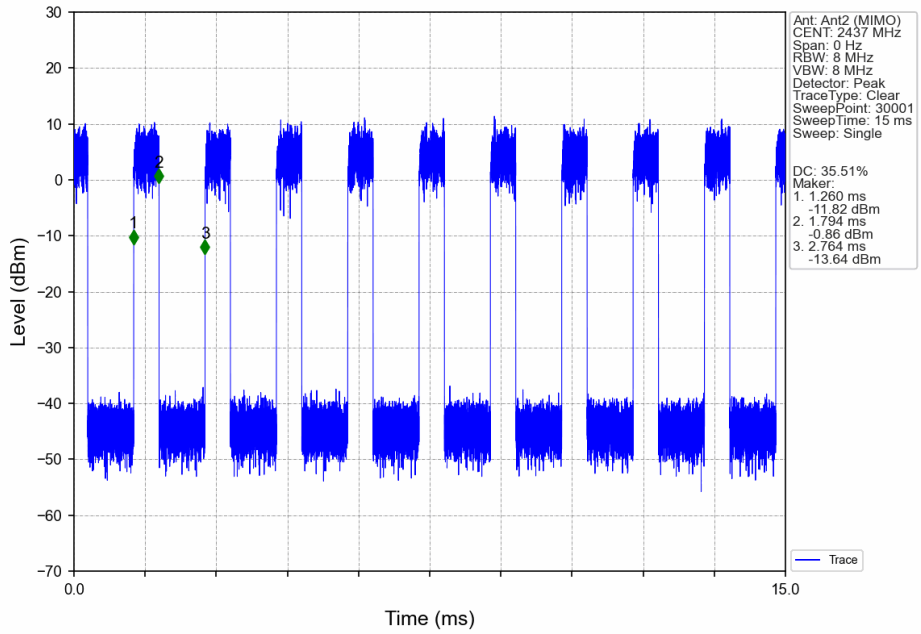
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



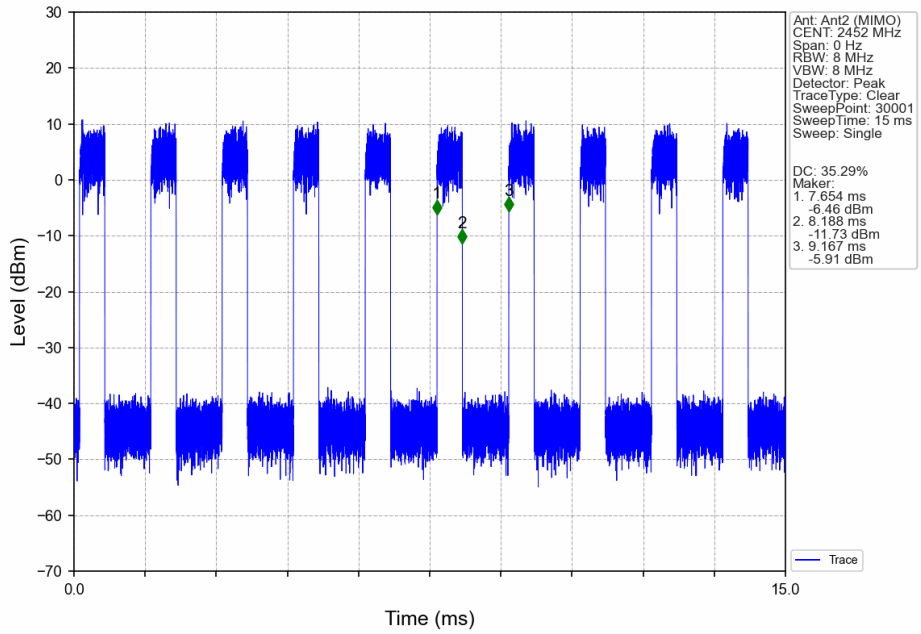
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



2. 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	/	/	0	12.869	/	Pass
					1	12.638	/	Pass
		2437	/	/	0	12.866	/	Pass
					1	12.948	/	Pass
		2462	/	/	0	13.146	/	Pass
					1	12.472	/	Pass
802.11g	SISO	2412	/	/	0	18.152	/	Pass
					1	17.539	/	Pass
		2437	/	/	0	17.789	/	Pass
					1	17.859	/	Pass
		2462	/	/	0	18.408	/	Pass
					1	17.304	/	Pass
802.11n (HT20)	MIMO	2412	/	/	0	18.768	/	Pass
					1	18.037	/	Pass
		2437	/	/	0	18.614	/	Pass
					1	21.880	/	Pass
		2462	/	/	0	18.925	/	Pass
					1	17.846	/	Pass
802.11n (HT40)	MIMO	2422	/	/	0	37.406	/	Pass
					1	36.499	/	Pass
		2437	/	/	0	37.520	/	Pass
					1	37.162	/	Pass
		2452	/	/	0	37.007	/	Pass
					1	36.801	/	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	0	19.085	/	Pass
					1	18.946	/	Pass
		2437	RU242	Left	0	19.064	/	Pass
					1	19.100	/	Pass
		2462	RU242	Left	0	19.180	/	Pass
					1	18.837	/	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	0	38.280	/	Pass
					1	37.947	/	Pass
		2437	RU484	Left	0	38.183	/	Pass
					1	38.222	/	Pass
		2452	RU484	Left	0	38.141	/	Pass
					1	37.950	/	Pass

2.1.2 6dB BW

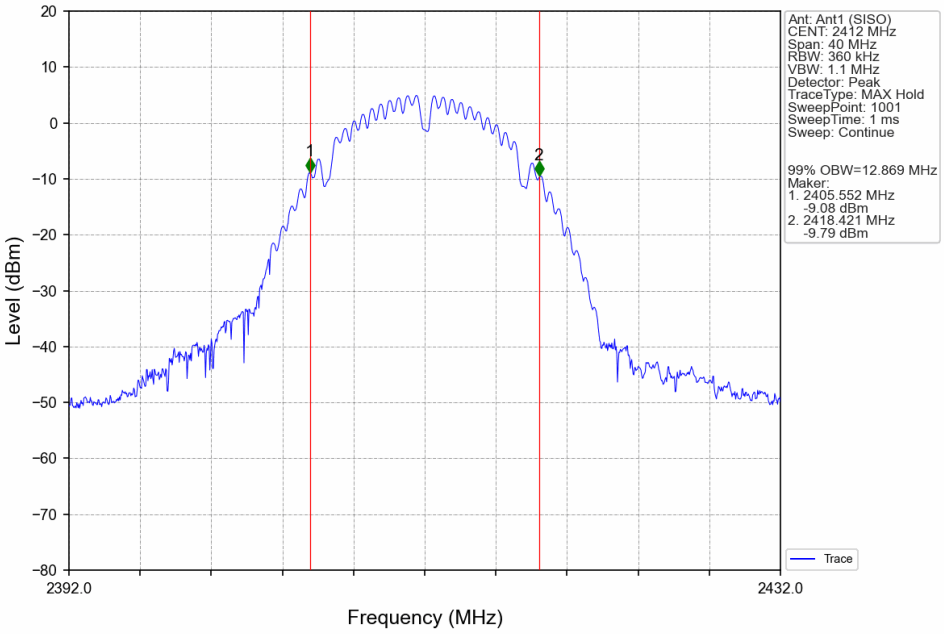
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	0	8.573	>=0.5	Pass
					1	8.088	>=0.5	Pass
		2437	/	/	0	7.633	>=0.5	Pass
					1	8.110	>=0.5	Pass
		2462	/	/	0	8.575	>=0.5	Pass

					1	8.053	>=0.5	Pass
802.11g	SISO	2412	/	/	0	15.154	>=0.5	Pass
					1	15.127	>=0.5	Pass
		2437	/	/	0	15.145	>=0.5	Pass
					1	15.132	>=0.5	Pass
		2462	/	/	0	15.147	>=0.5	Pass
					1	15.132	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	0	15.154	>=0.5	Pass
					1	15.683	>=0.5	Pass
		2437	/	/	0	15.150	>=0.5	Pass
					1	16.296	>=0.5	Pass
		2462	/	/	0	15.156	>=0.5	Pass
					1	15.126	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	0	35.162	>=0.5	Pass
					1	35.115	>=0.5	Pass
		2437	/	/	0	35.142	>=0.5	Pass
					1	35.167	>=0.5	Pass
		2452	/	/	0	35.105	>=0.5	Pass
					1	35.091	>=0.5	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	0	18.459	>=0.5	Pass
					1	15.579	>=0.5	Pass
		2437	RU242	Left	0	18.200	>=0.5	Pass
					1	18.368	>=0.5	Pass
		2462	RU242	Left	0	18.400	>=0.5	Pass
					1	16.335	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	0	37.532	>=0.5	Pass
					1	35.163	>=0.5	Pass
		2437	RU484	Left	0	37.077	>=0.5	Pass
					1	37.453	>=0.5	Pass
		2452	RU484	Left	0	36.141	>=0.5	Pass
					1	35.153	>=0.5	Pass

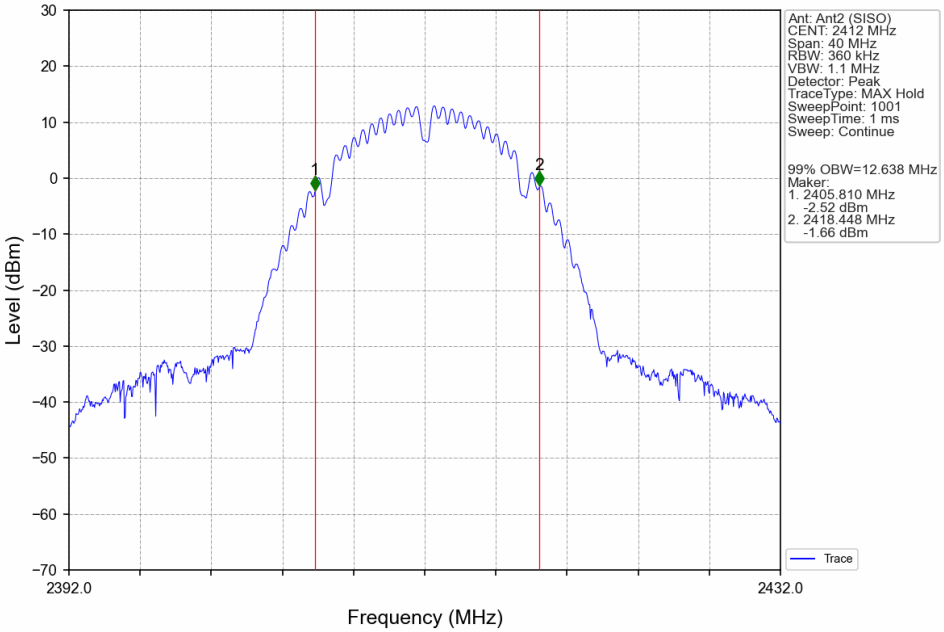
2.2 Test Graph

2.2.1 OBW

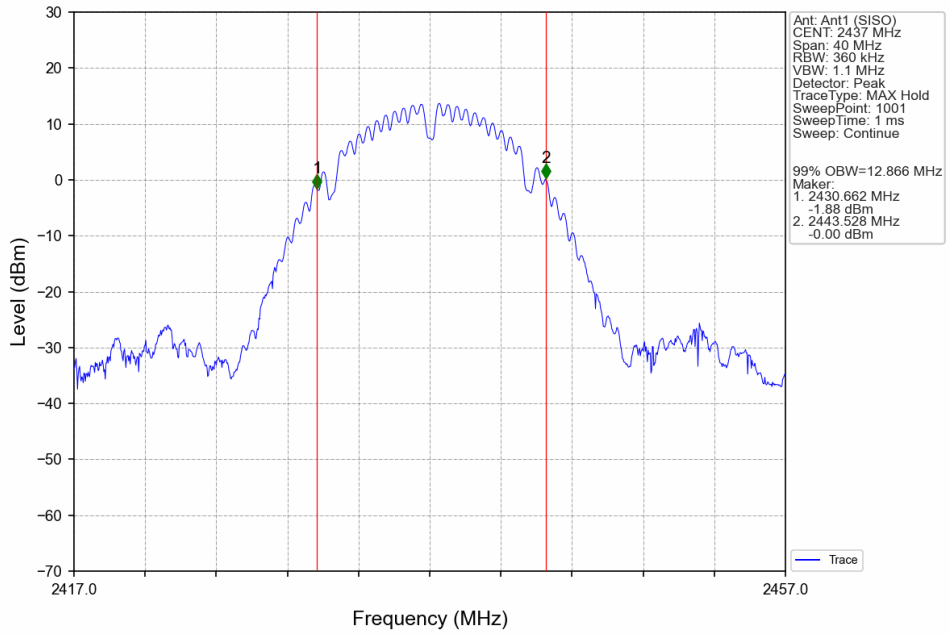
802.11b_LCH_2412MHz_Ant0 (SISO)_NTNV



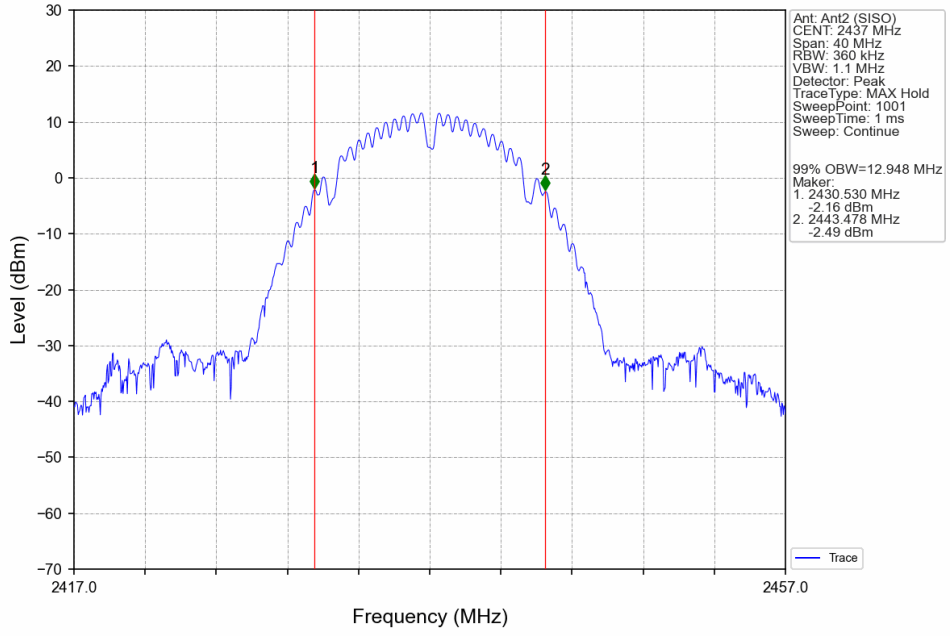
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



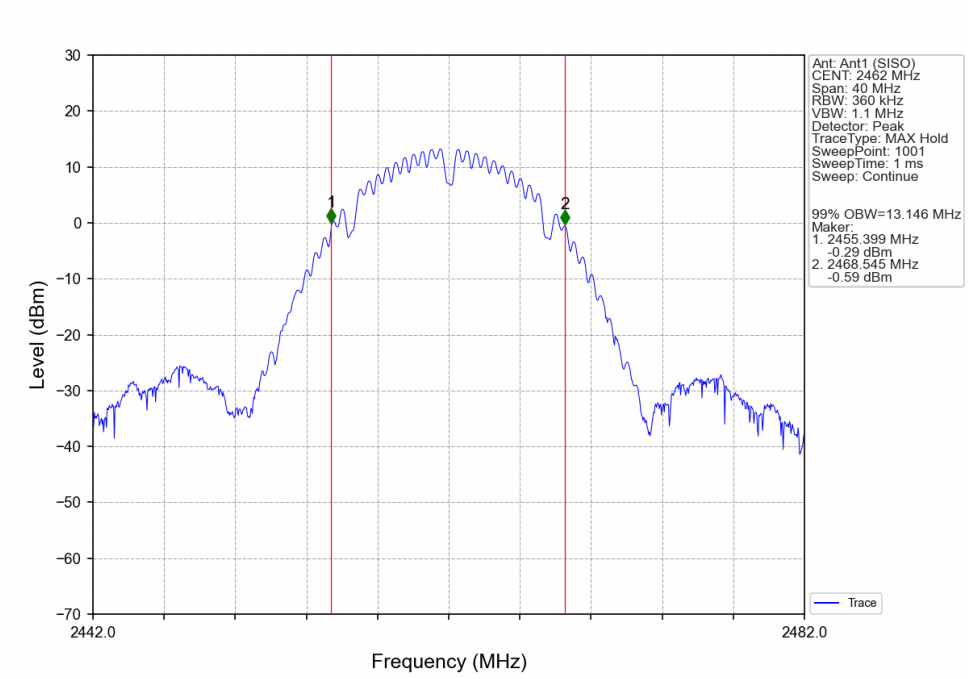
802.11b_MCH_2437MHz_Ant0 (SISO)_NTNV



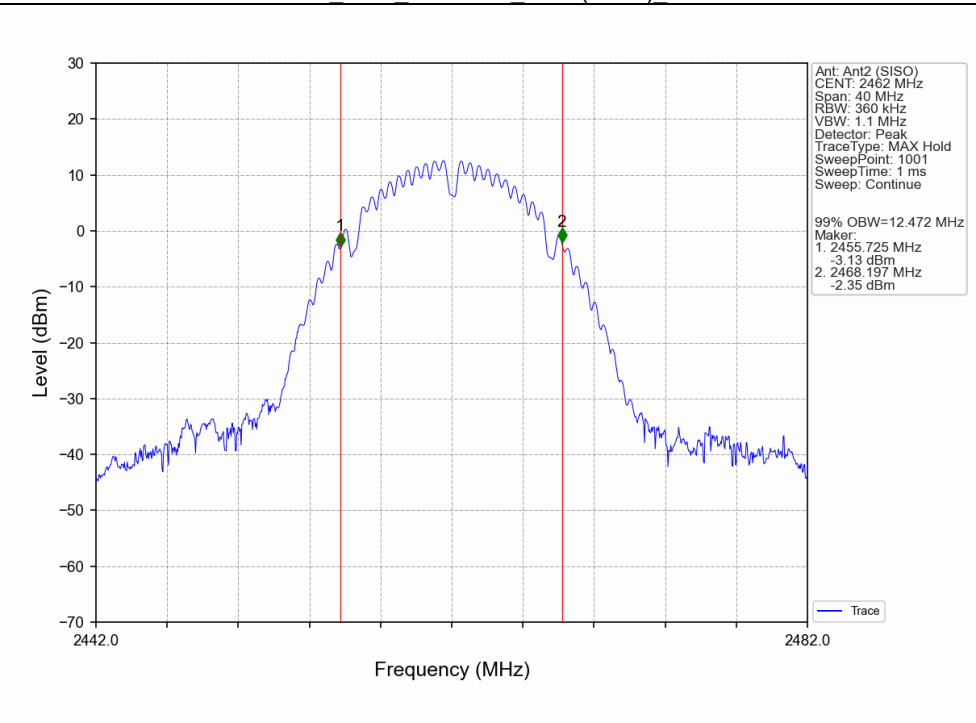
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



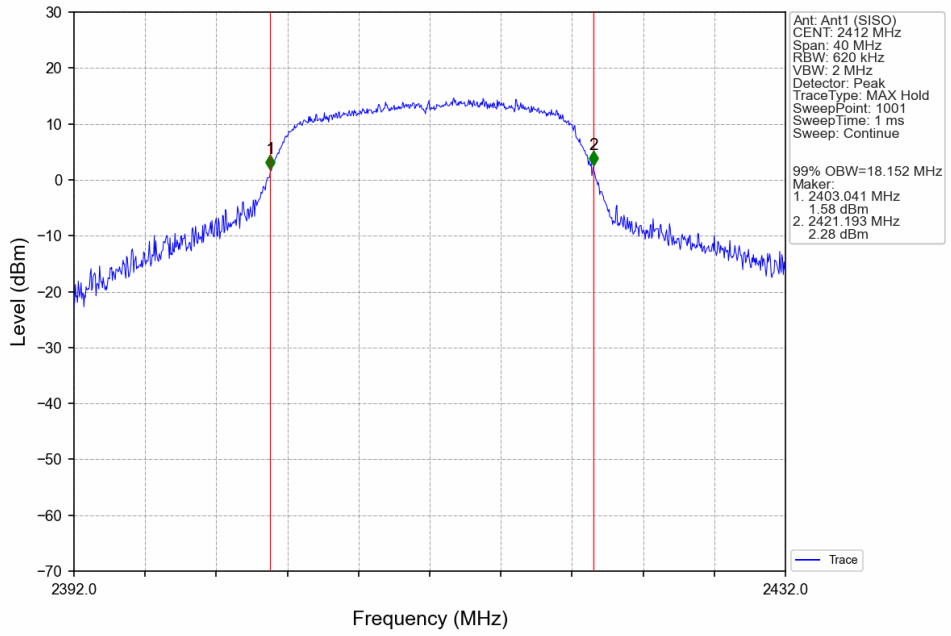
802.11b_HCH_2462MHz_Ant0 (SISO)_NTNV



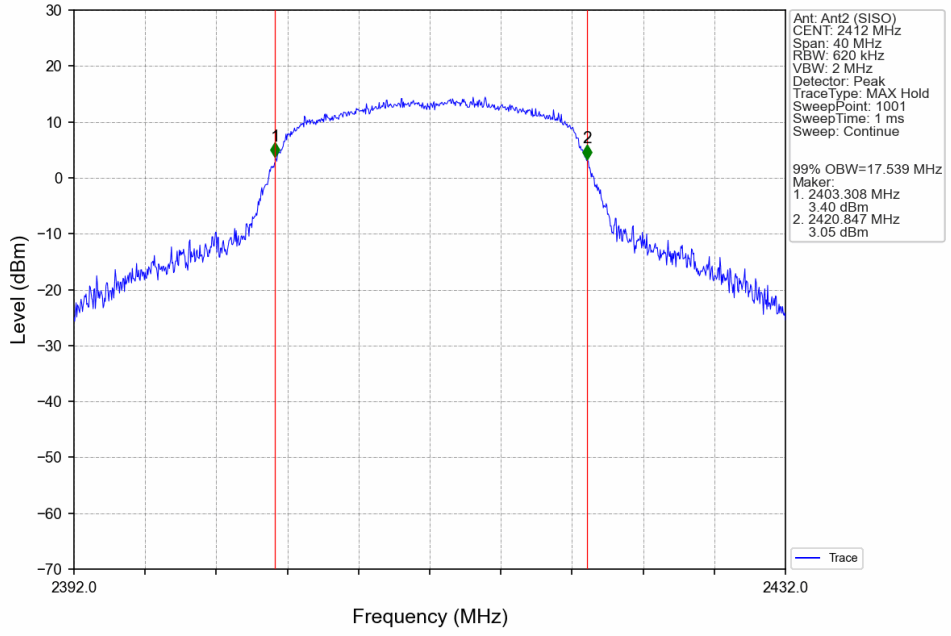
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



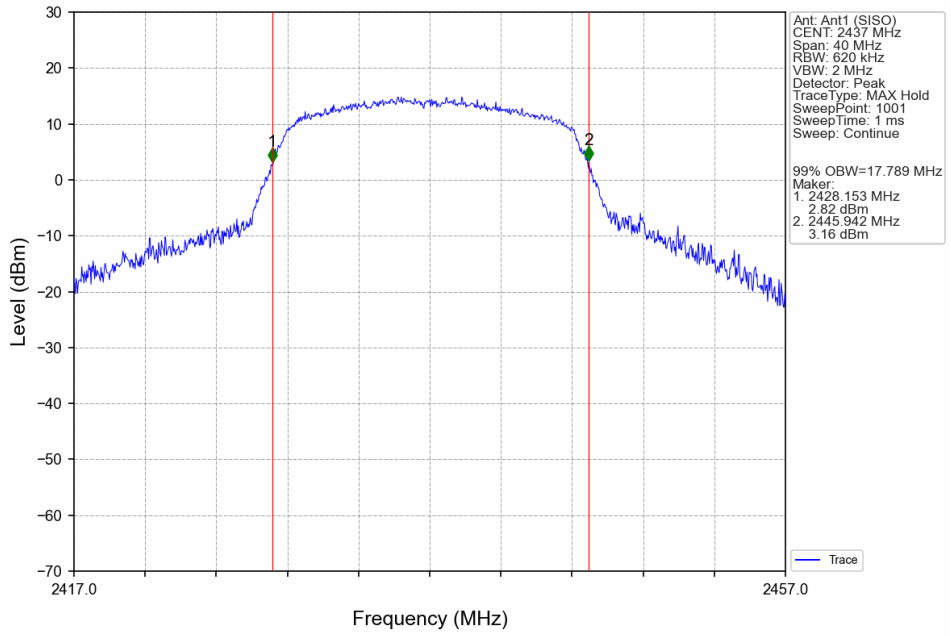
802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV



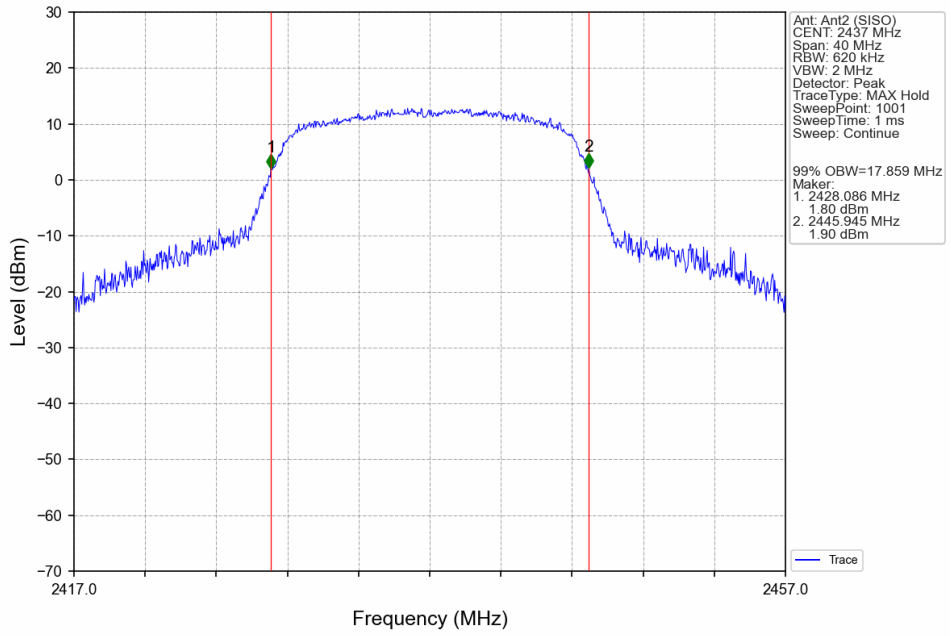
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



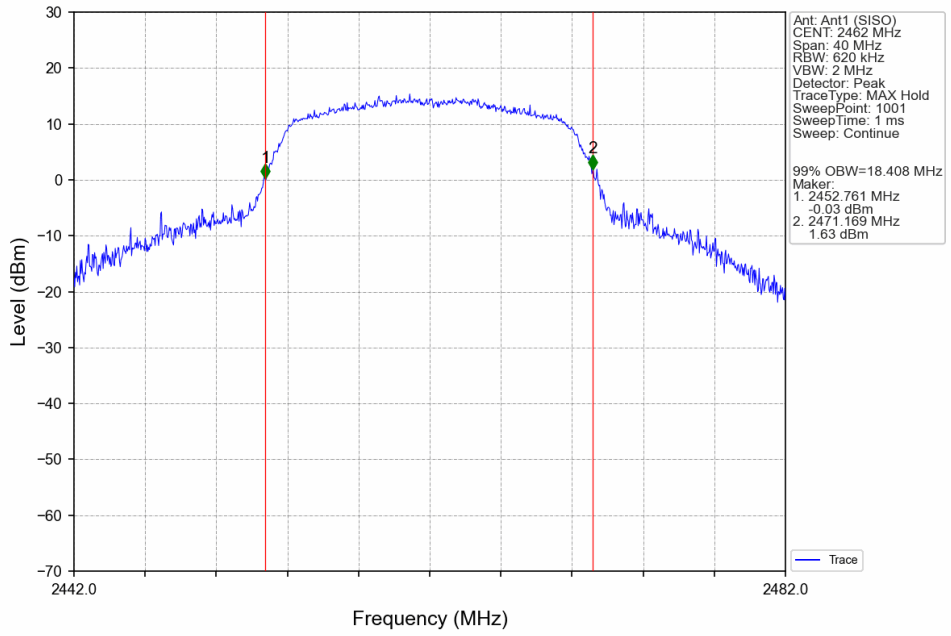
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



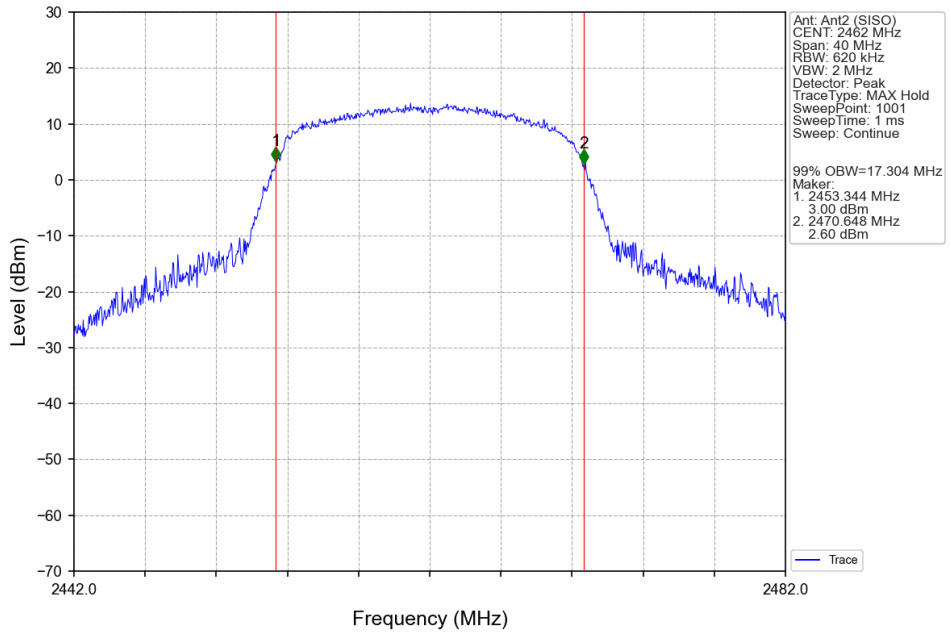
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



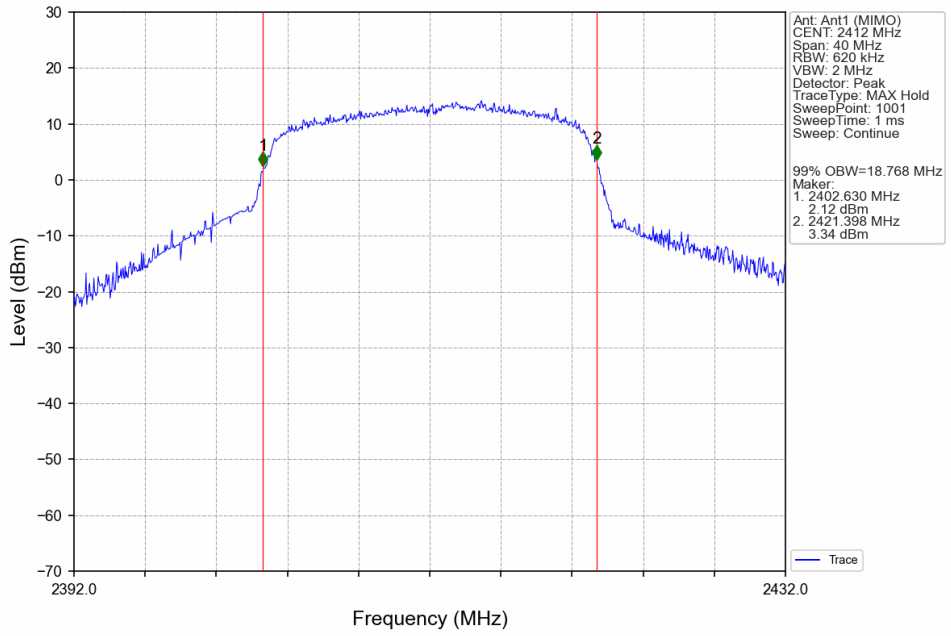
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



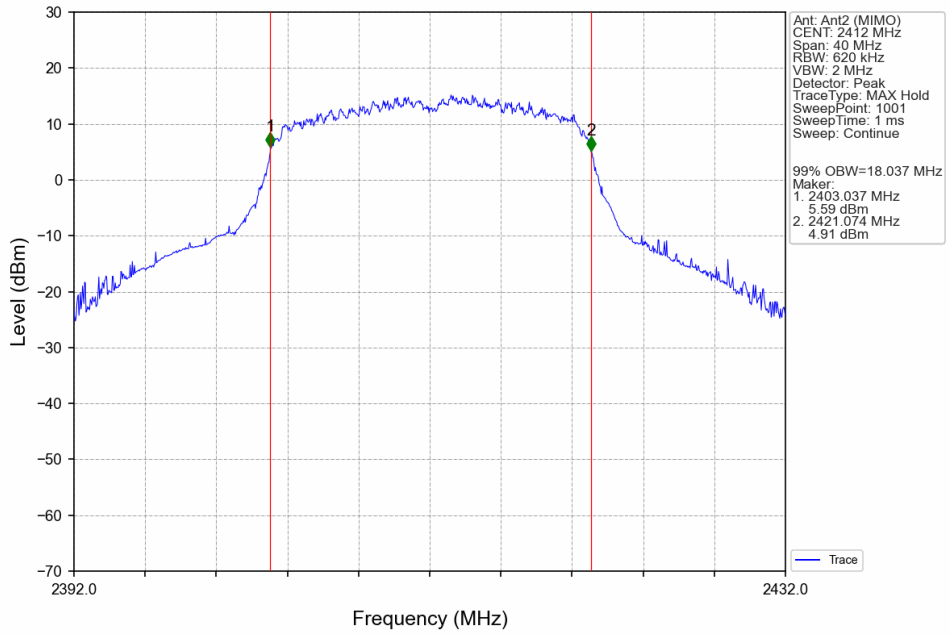
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



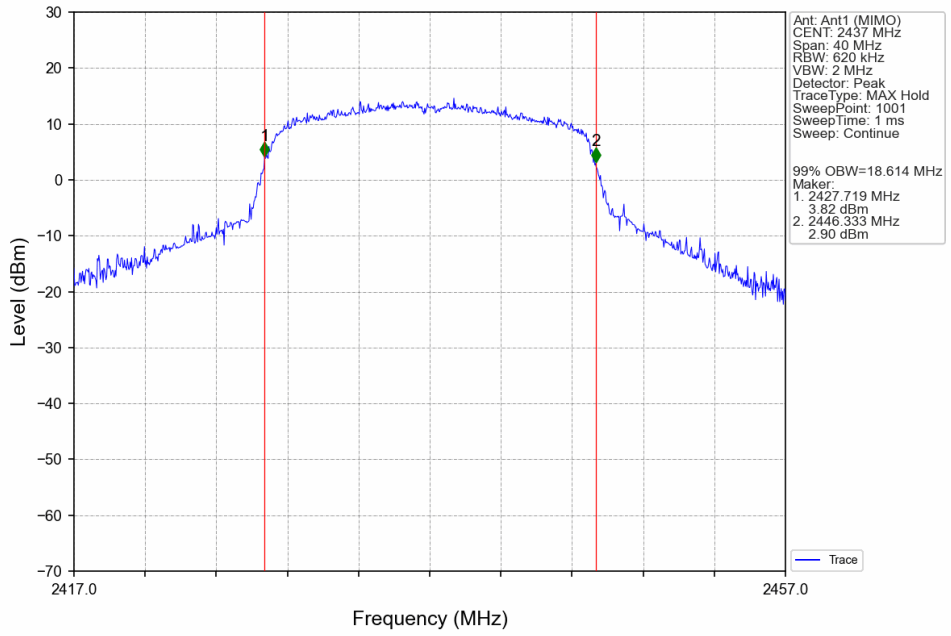
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



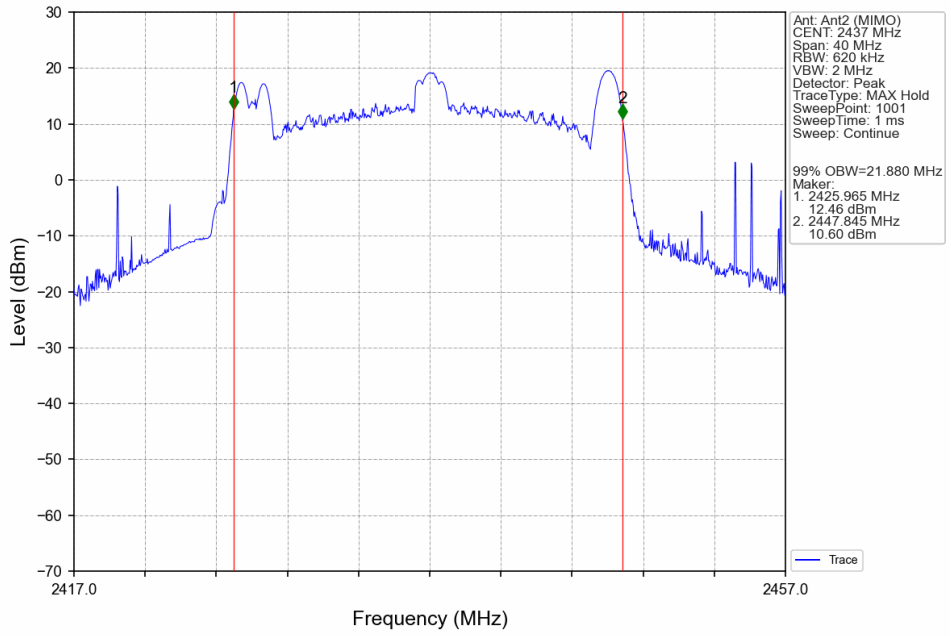
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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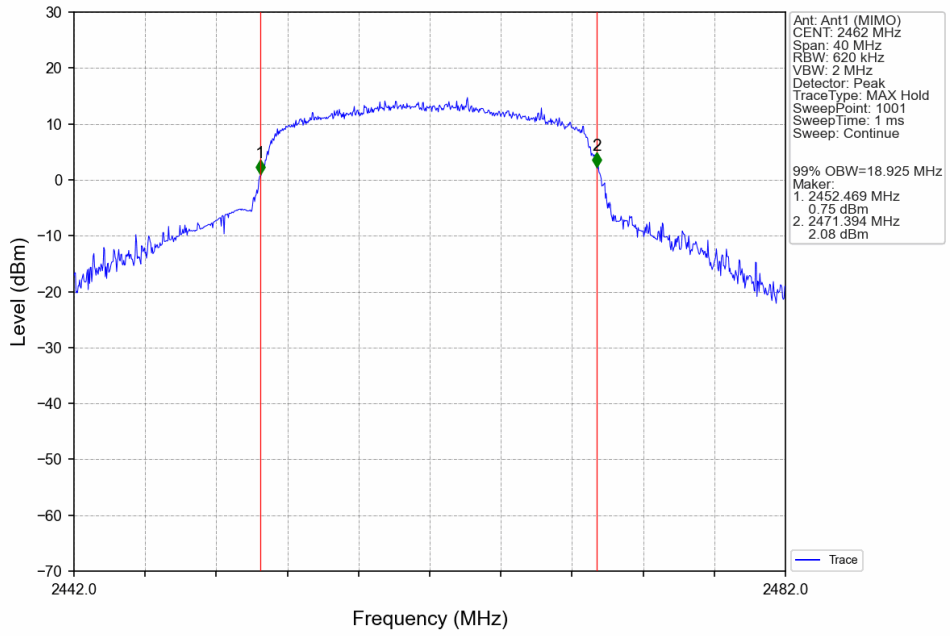
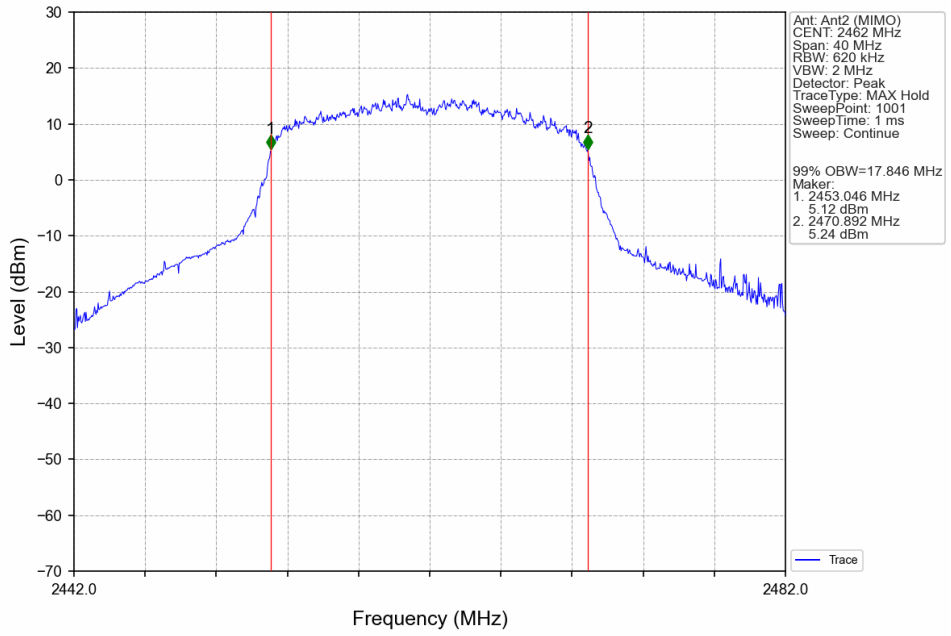
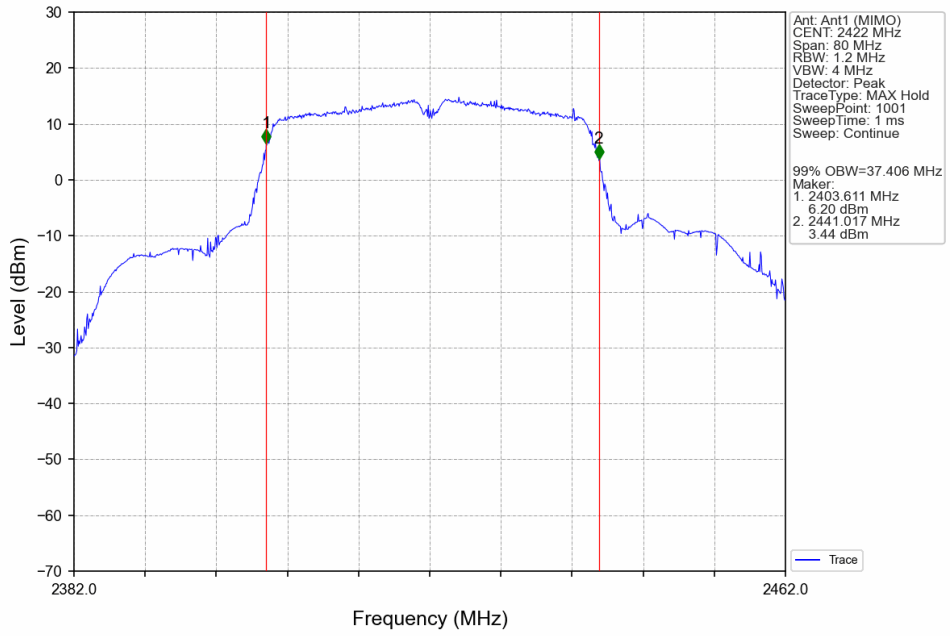


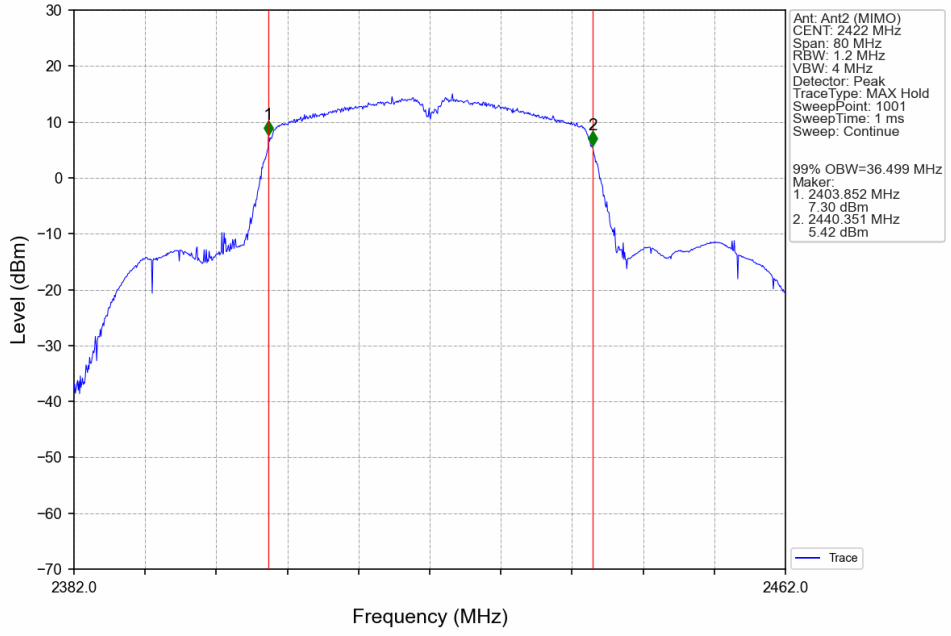
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



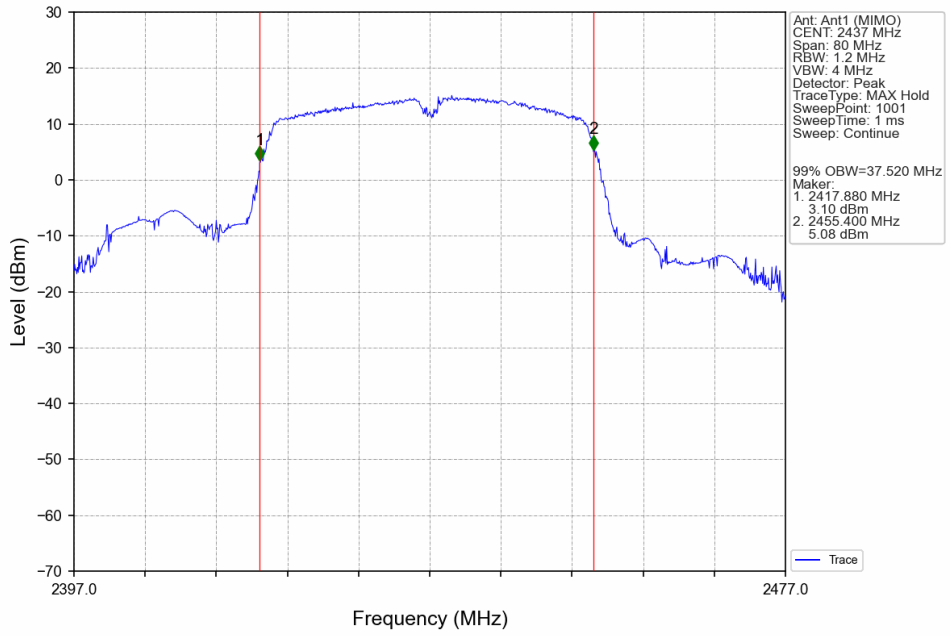
802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV



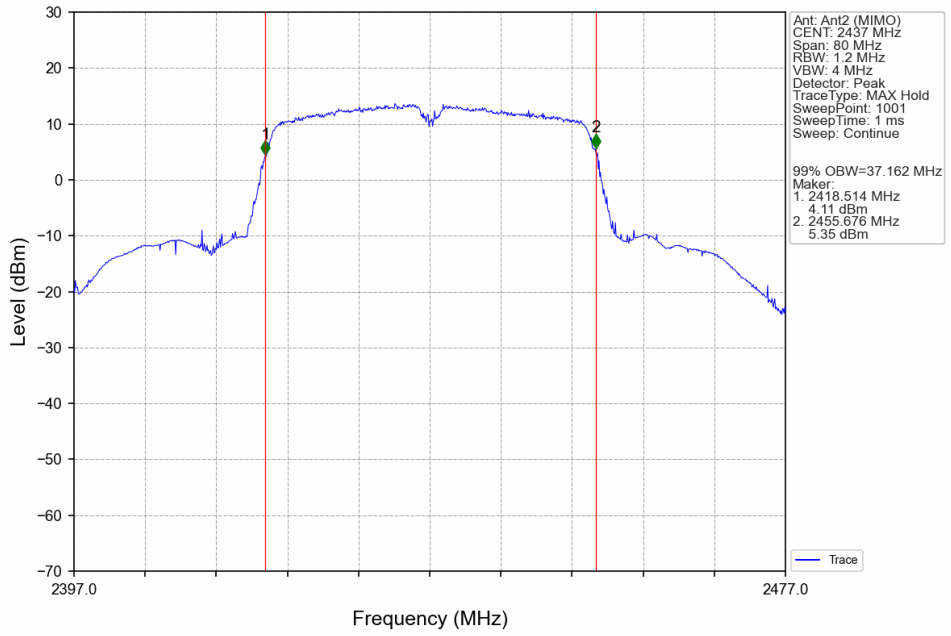
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



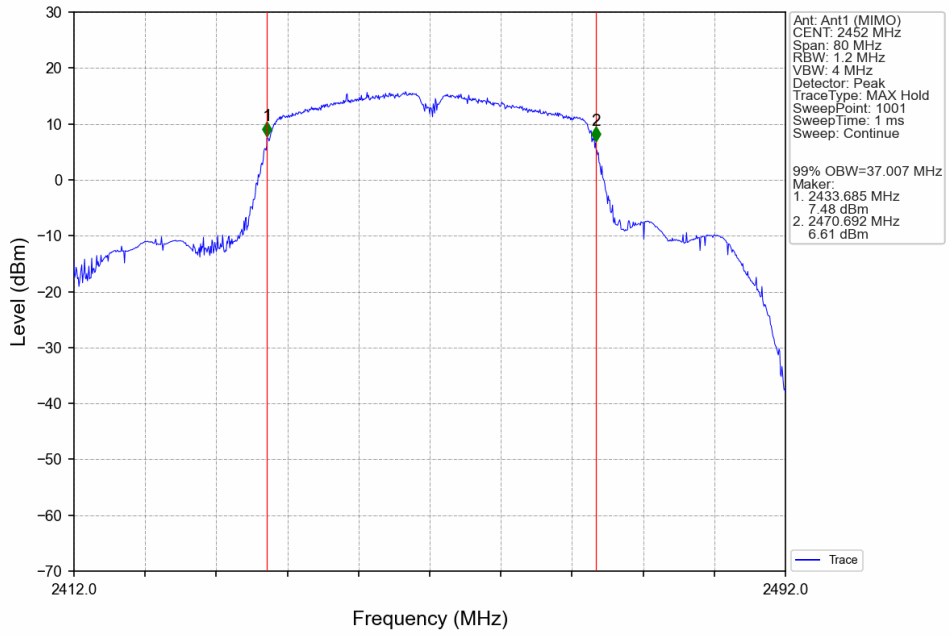
802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



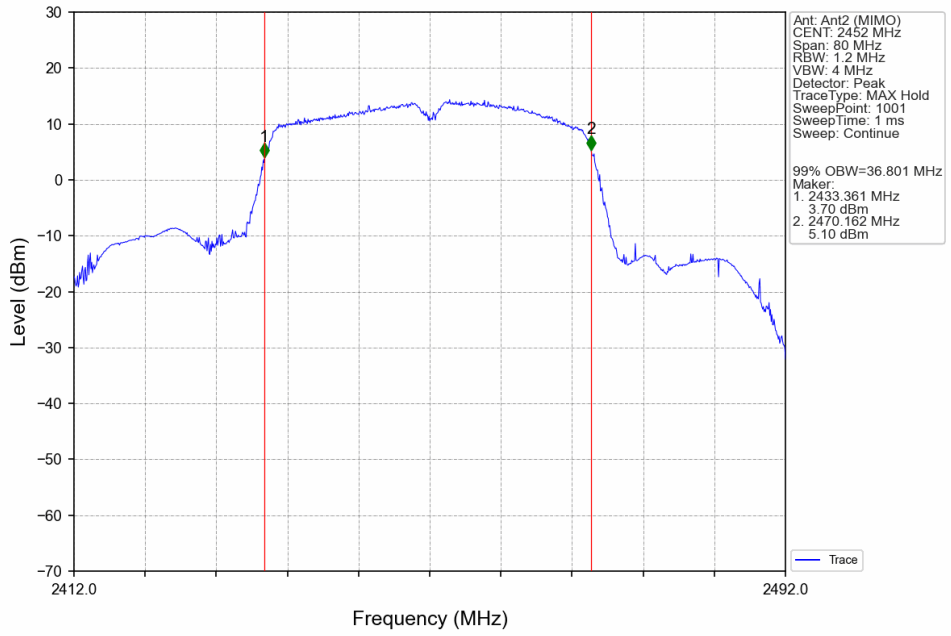
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



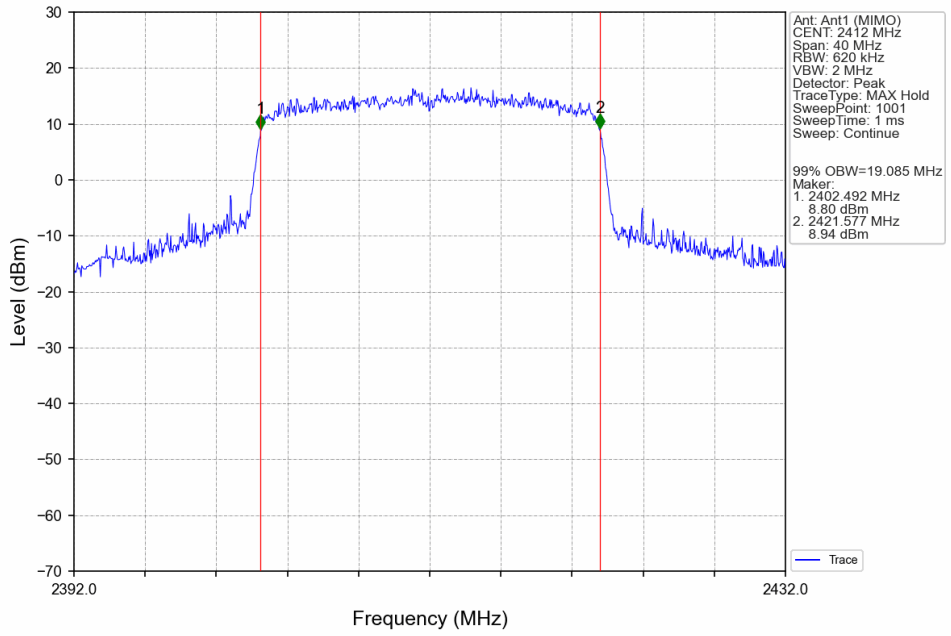
802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



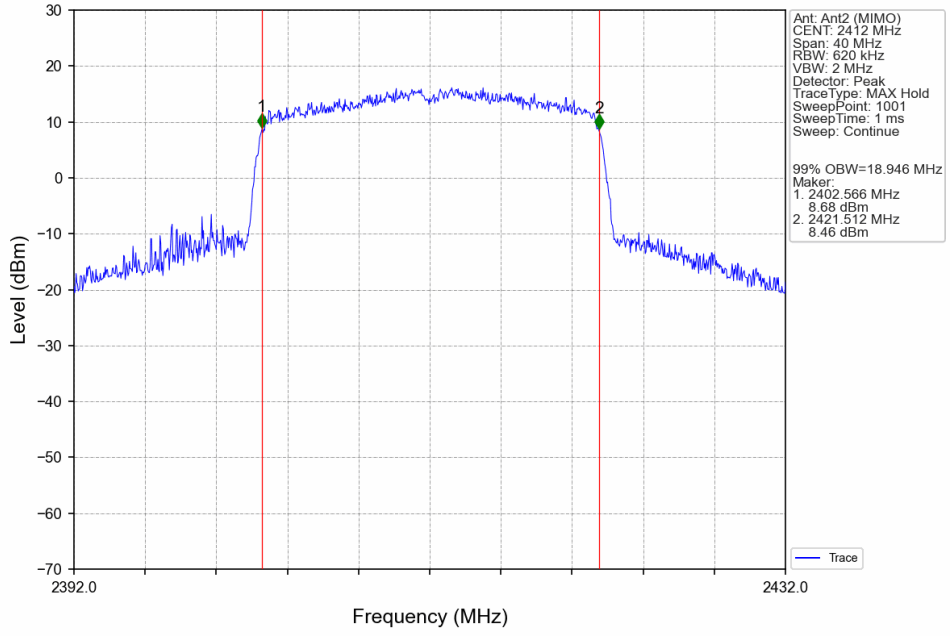
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



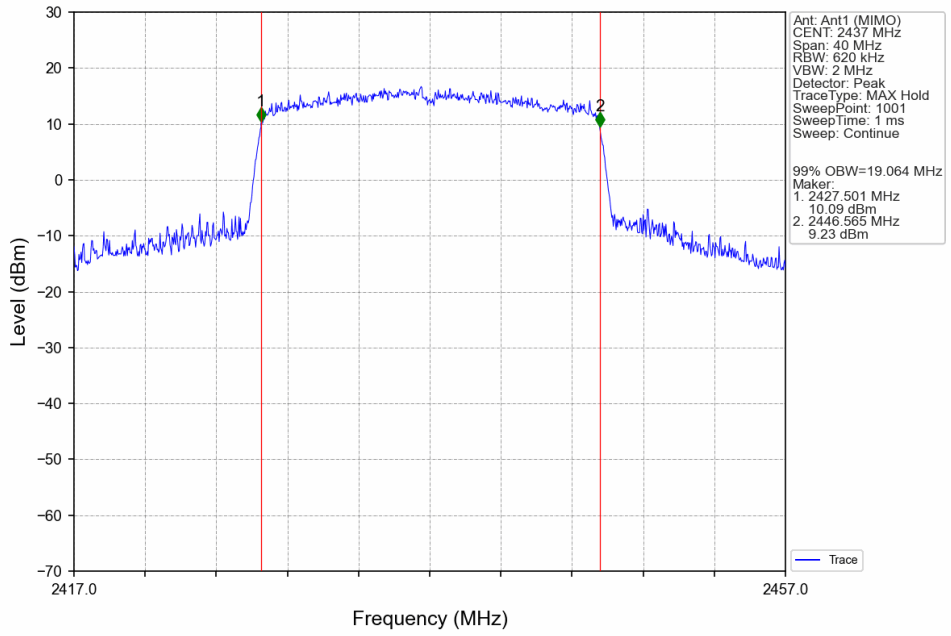
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant0 (MIMO)_NTNV



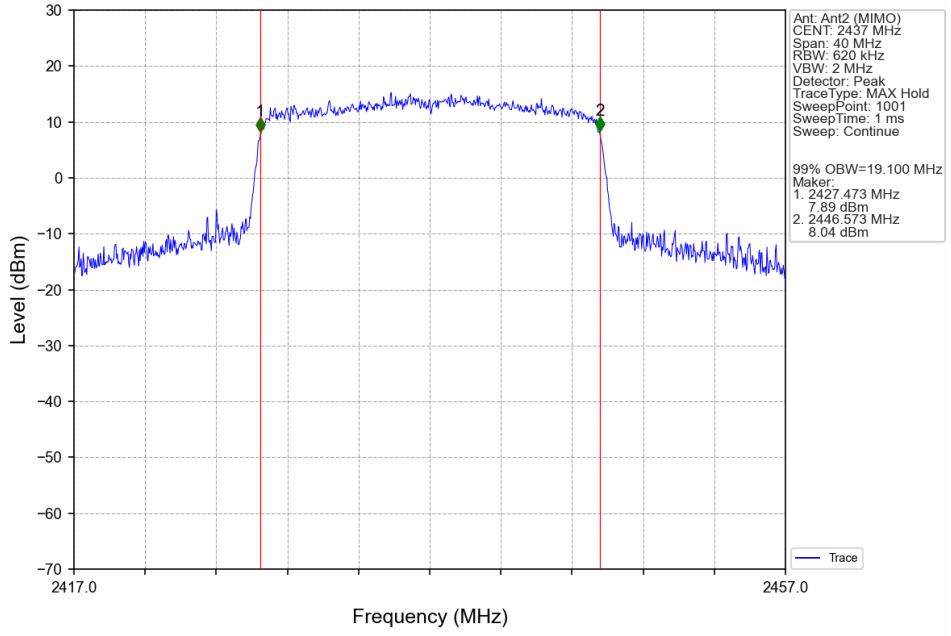
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



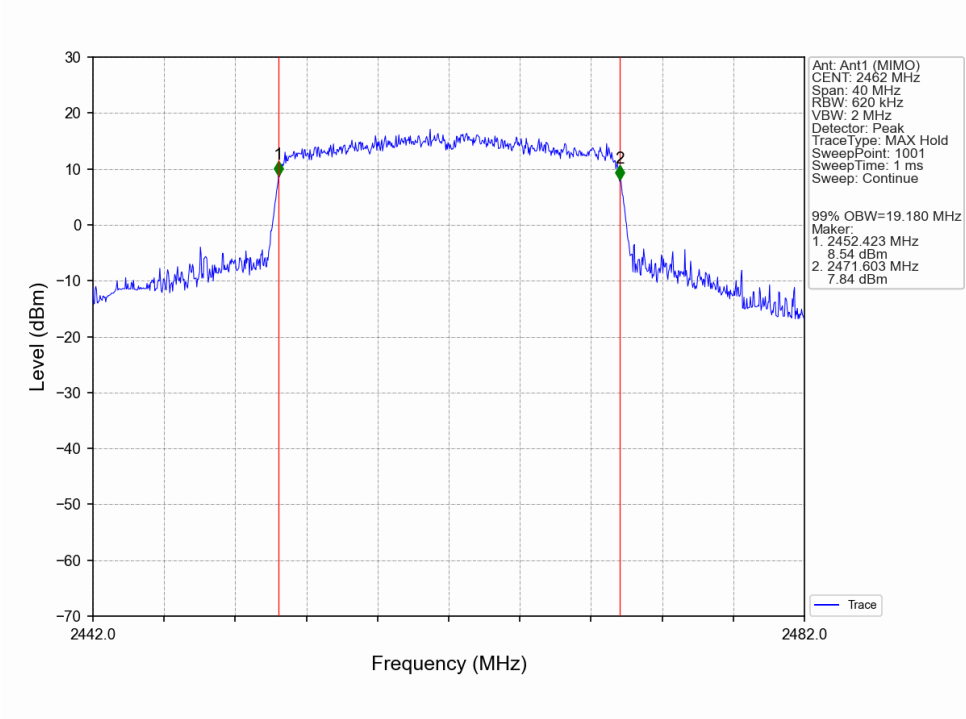
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant0 (MIMO)_NTNV



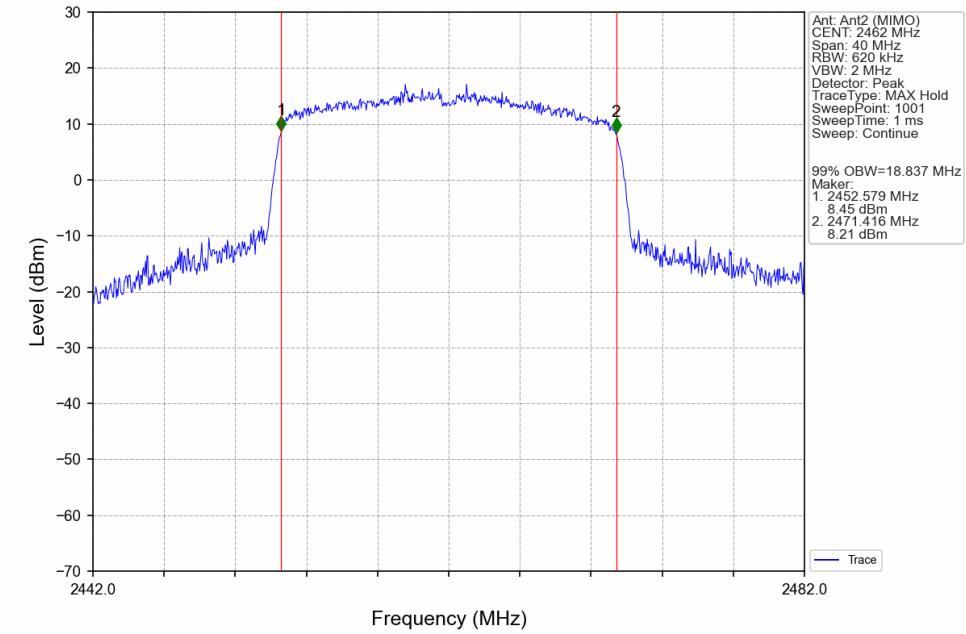
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



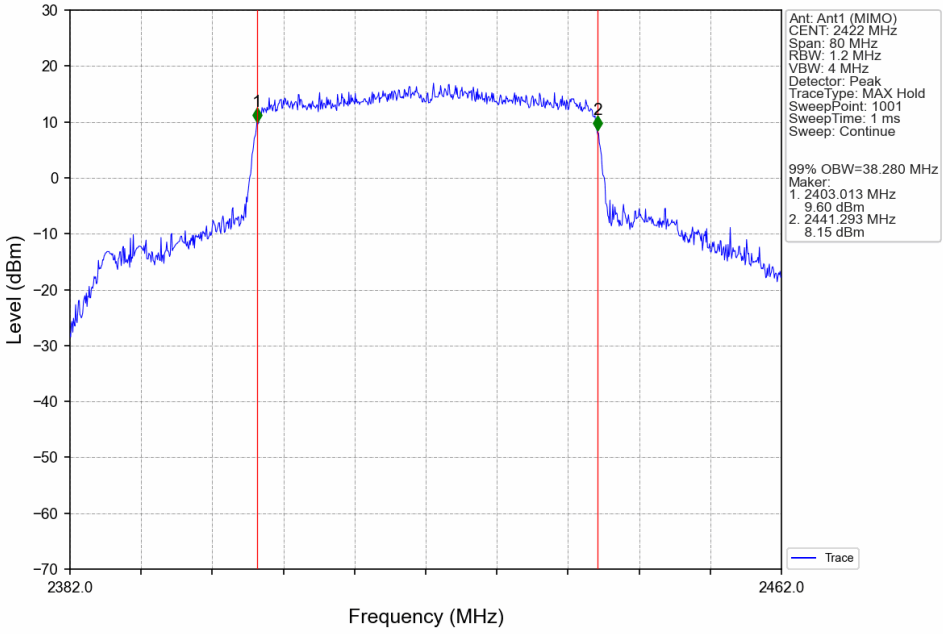
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant0 (MIMO)_NTNV



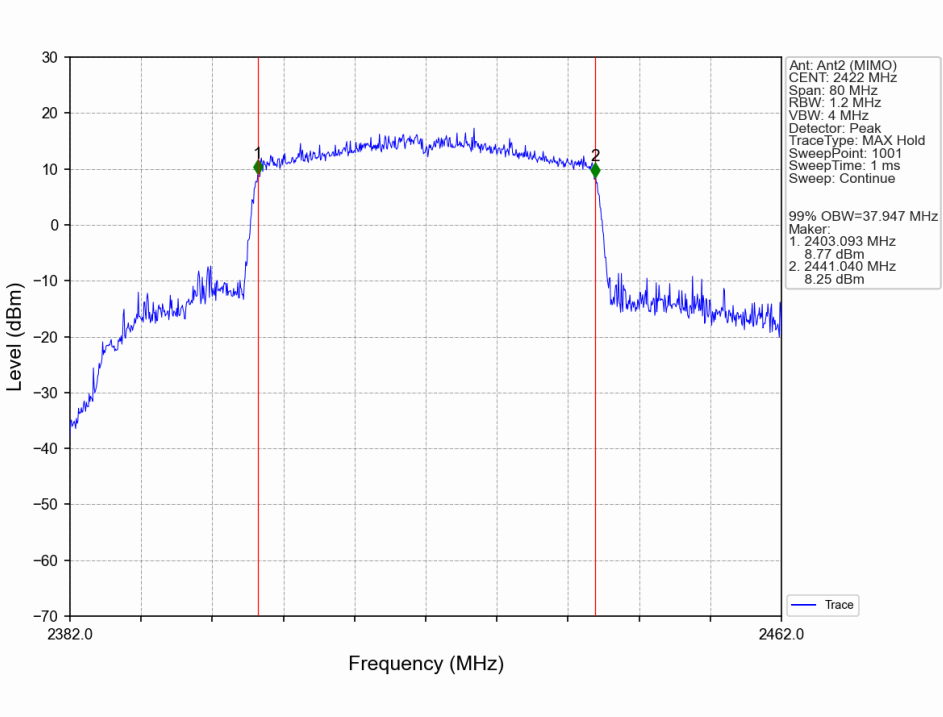
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



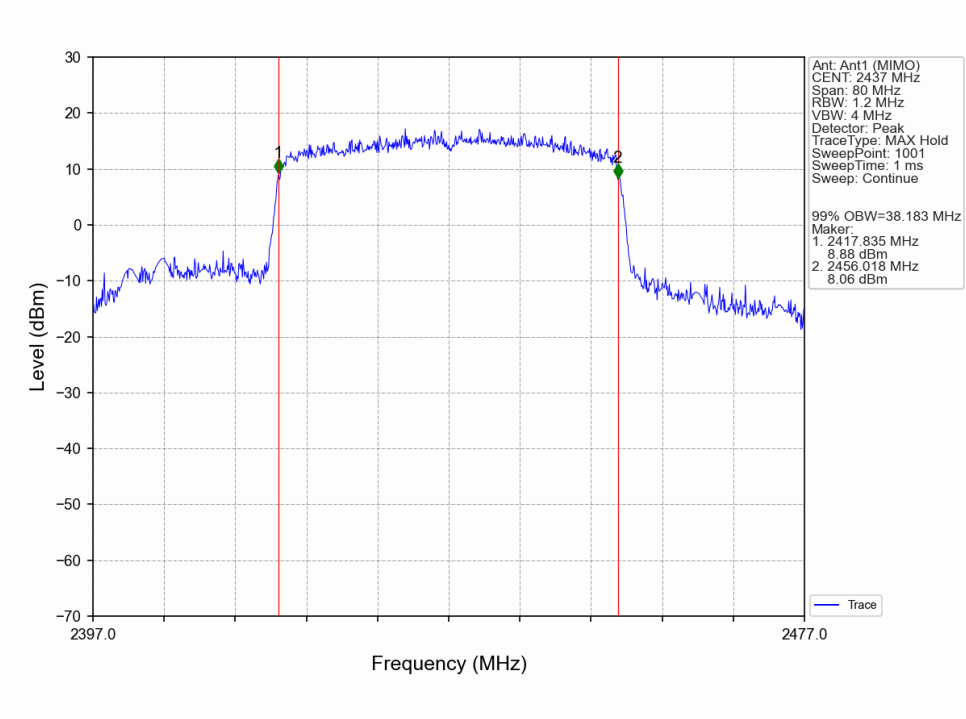
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant0 (MIMO)_NTNV



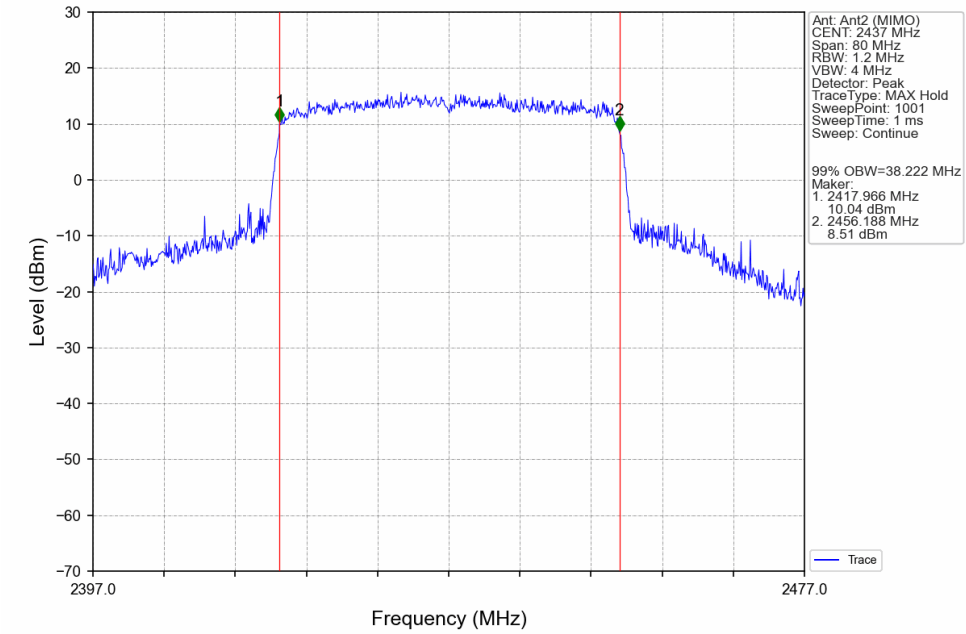
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



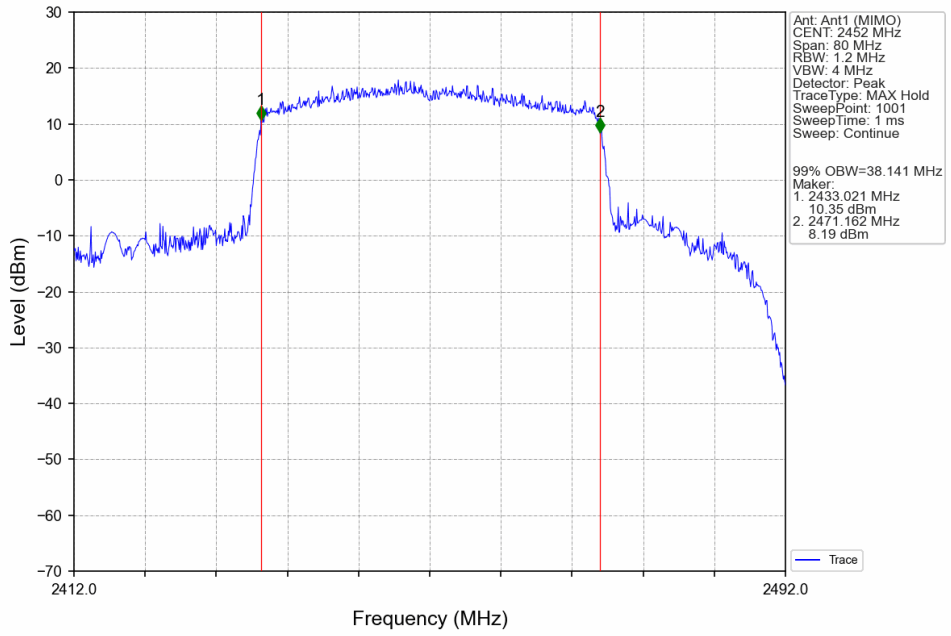
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant0 (MIMO)_NTNV



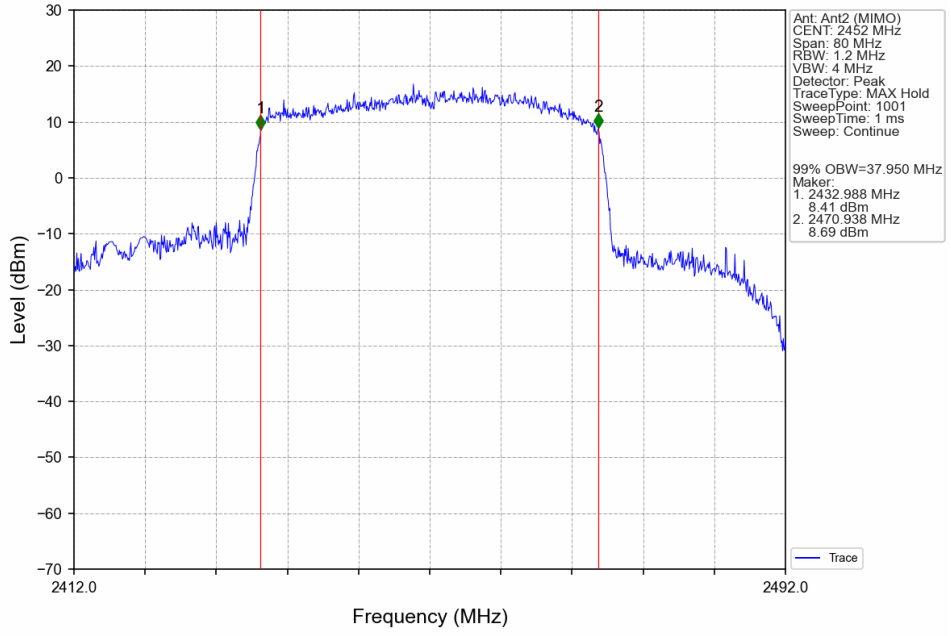
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant0 (MIMO)_NTNV

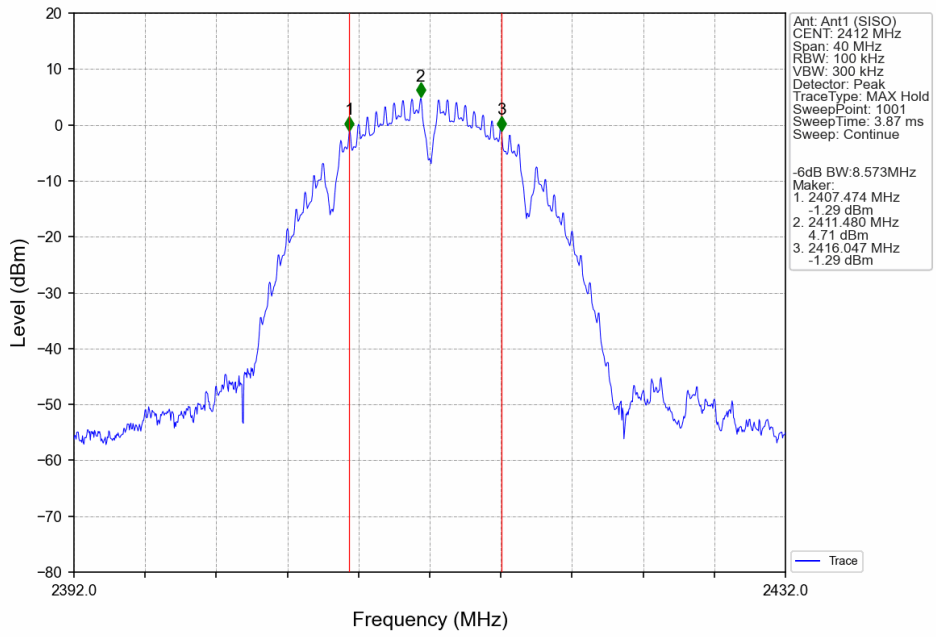


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV

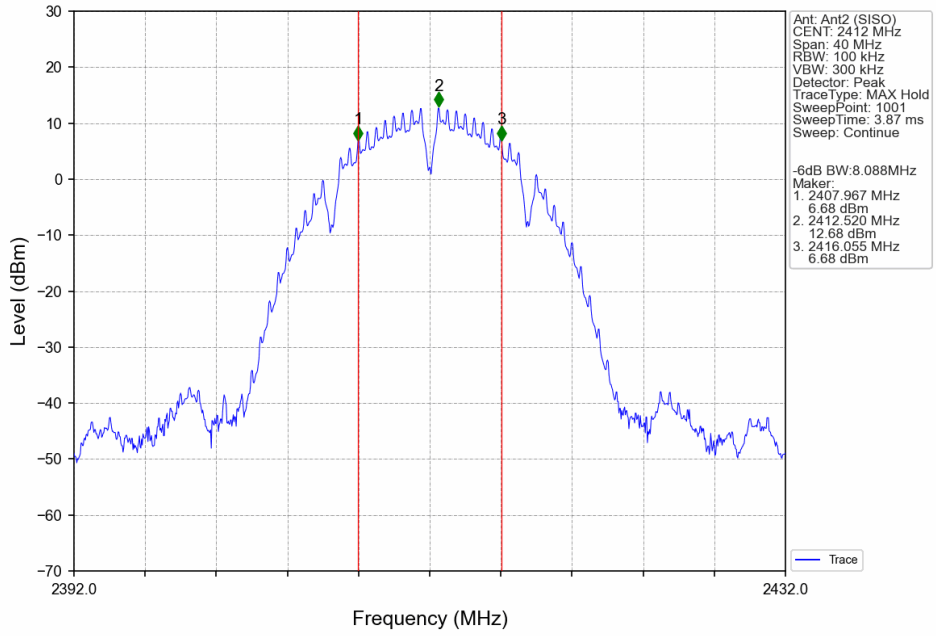


2.2.2 6dB BW

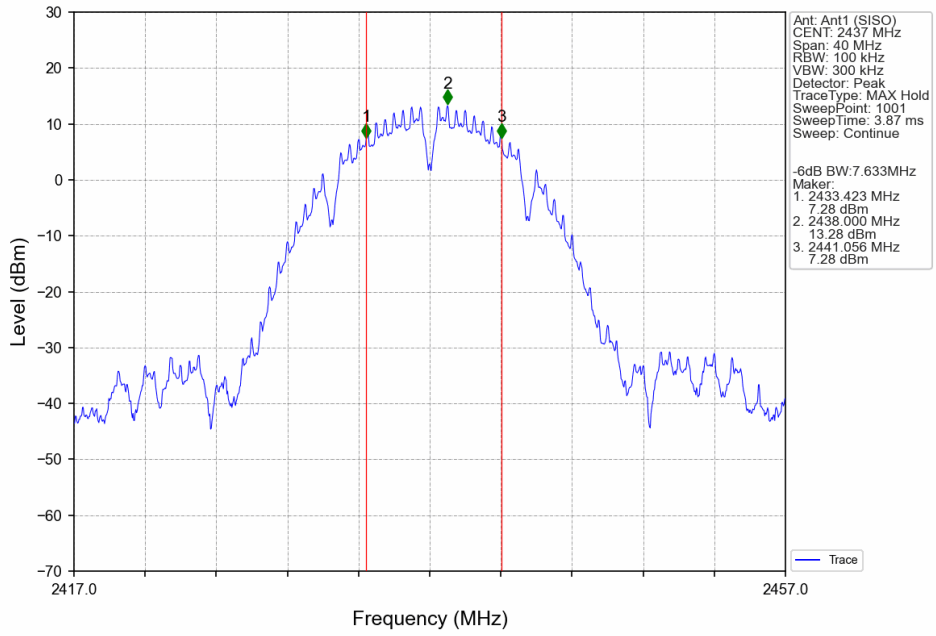
802.11b_LCH_2412MHz_Ant0 (SISO)_NTNV



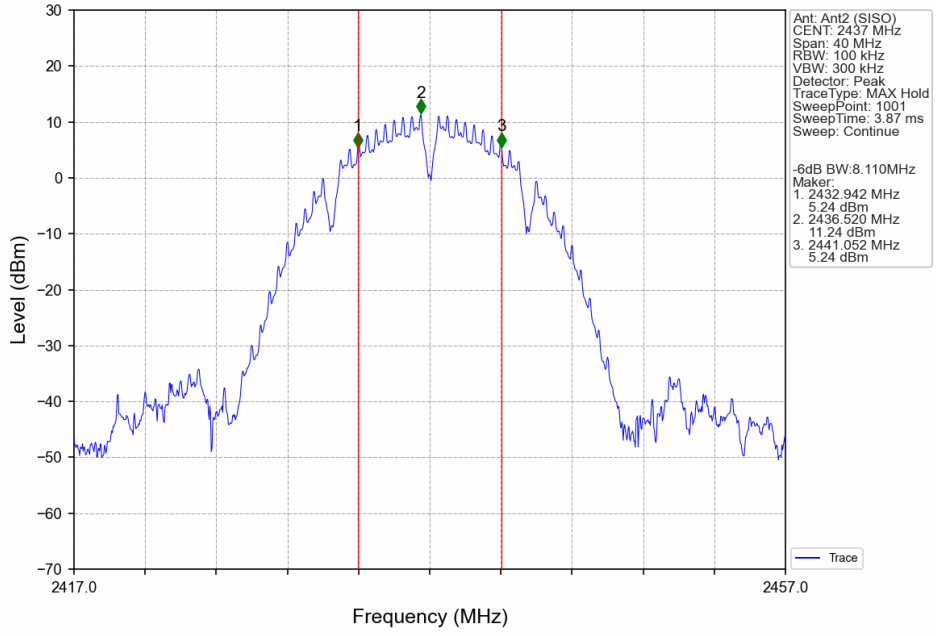
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



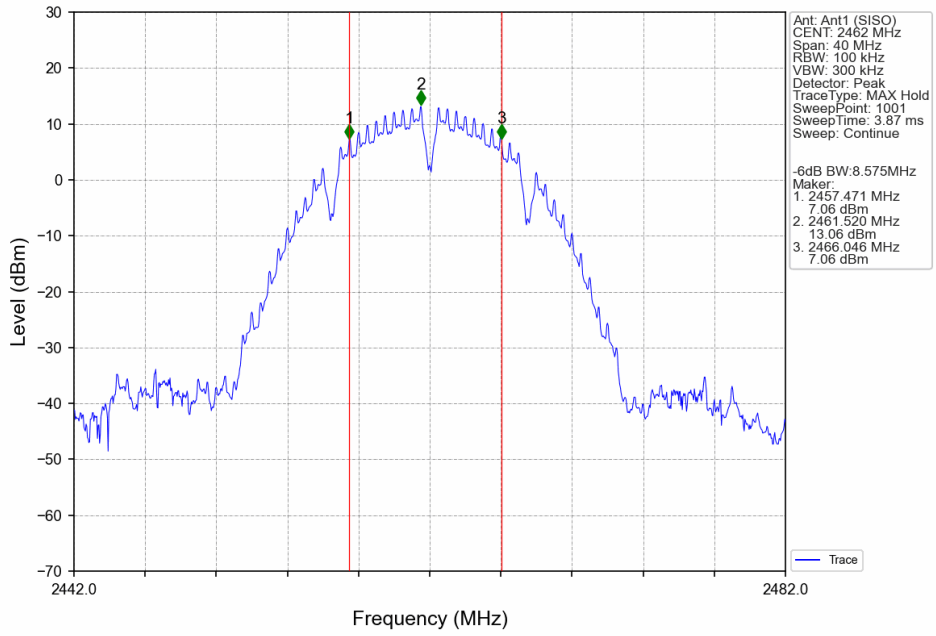
802.11b_MCH_2437MHz_Ant0 (SISO)_NTNV



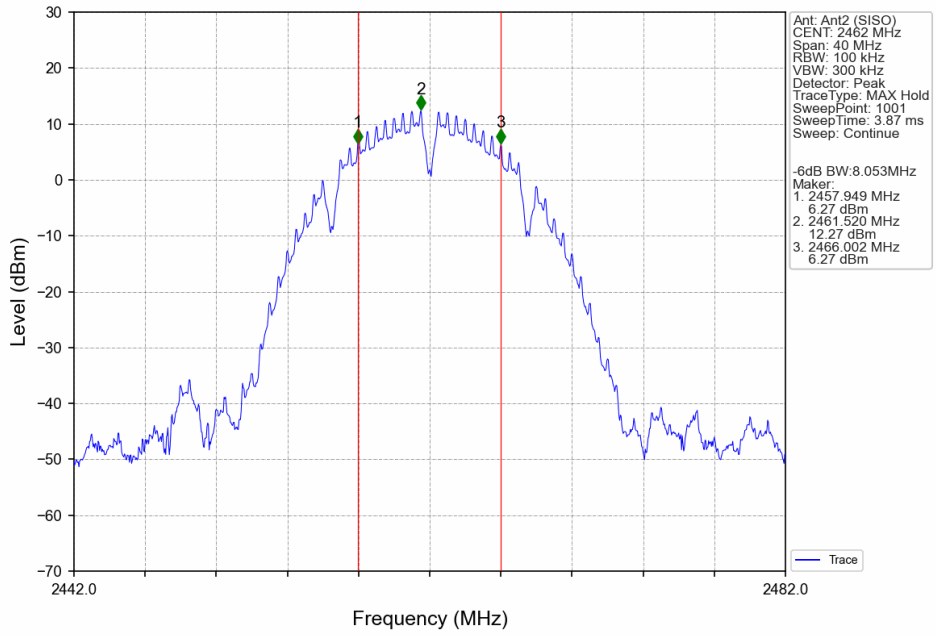
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



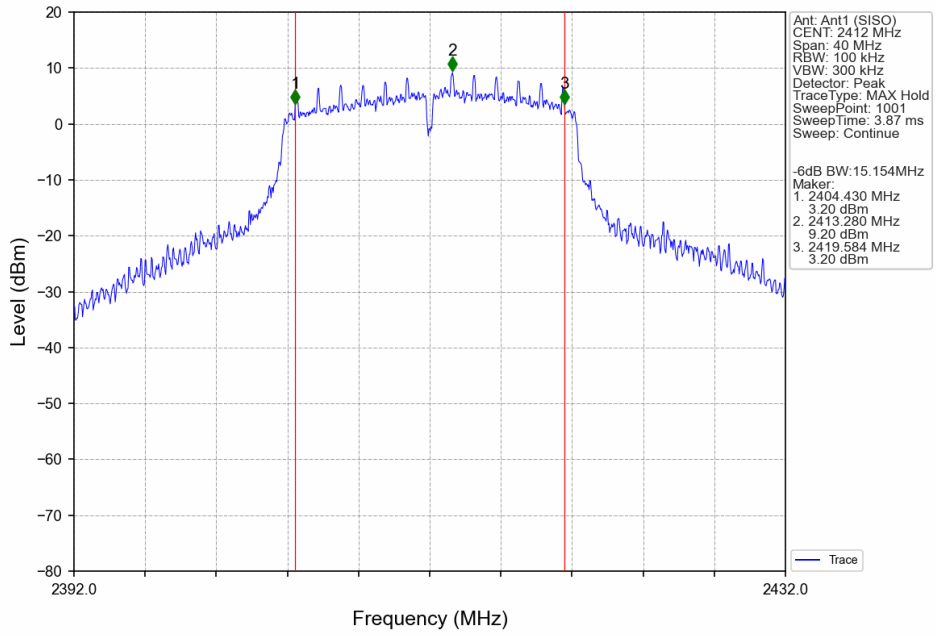
802.11b_HCH_2462MHz_Ant0 (SISO)_NTNV



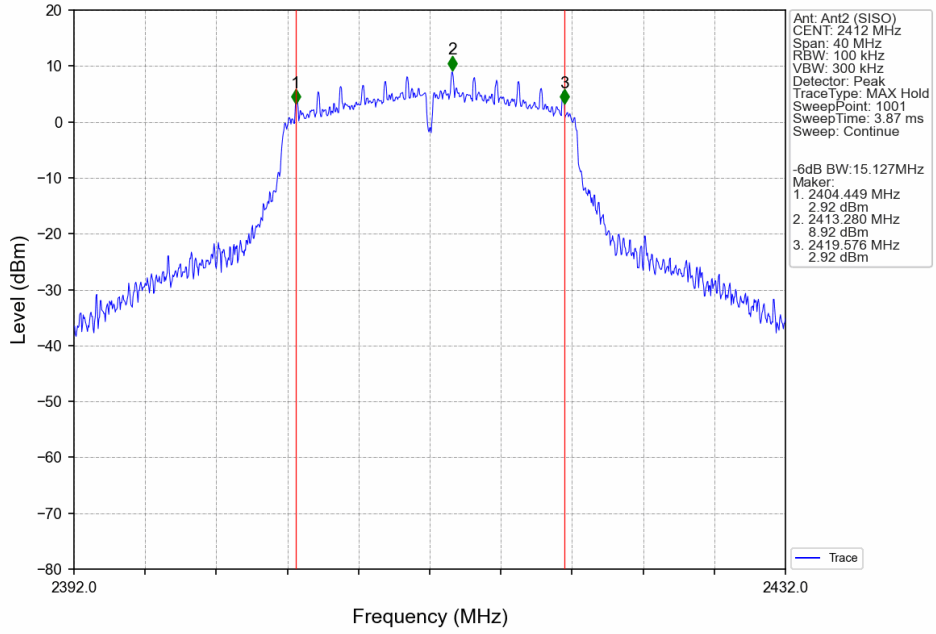
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



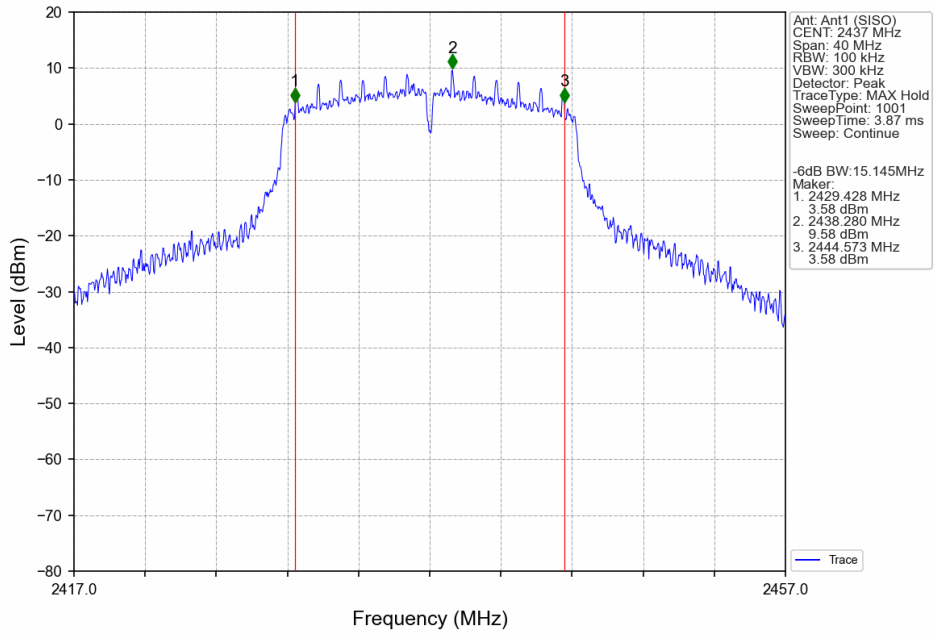
802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV



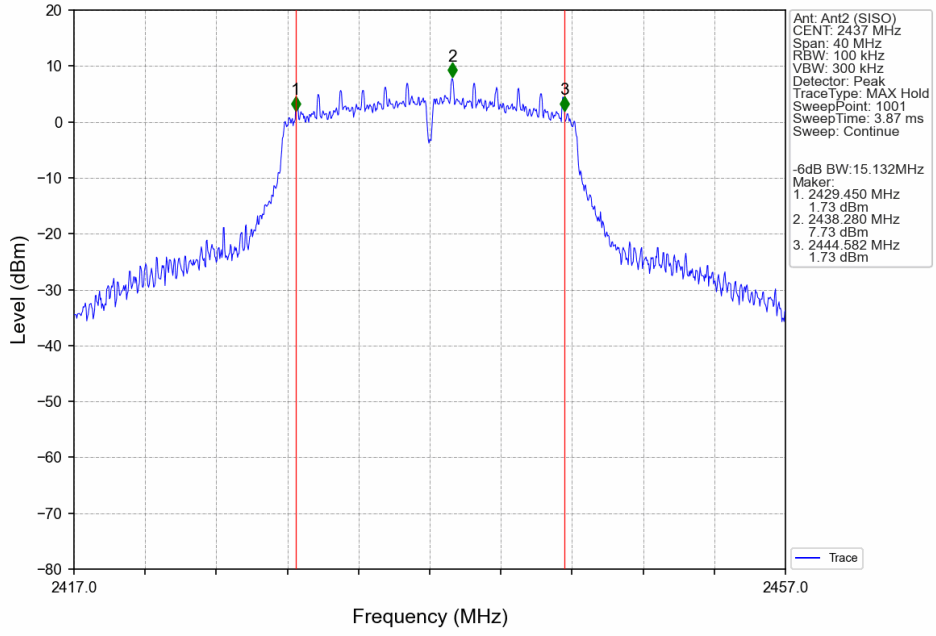
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



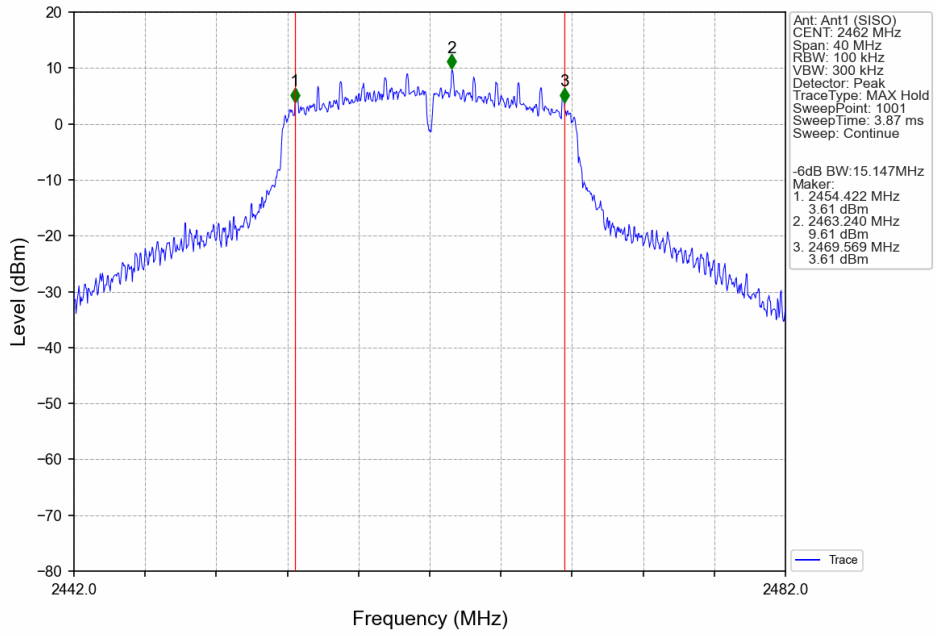
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



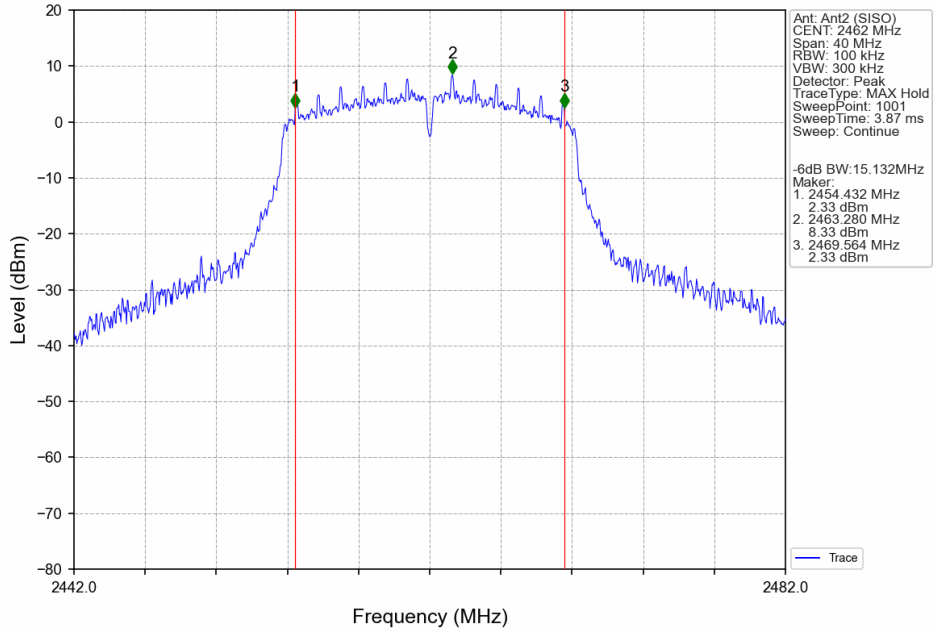
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



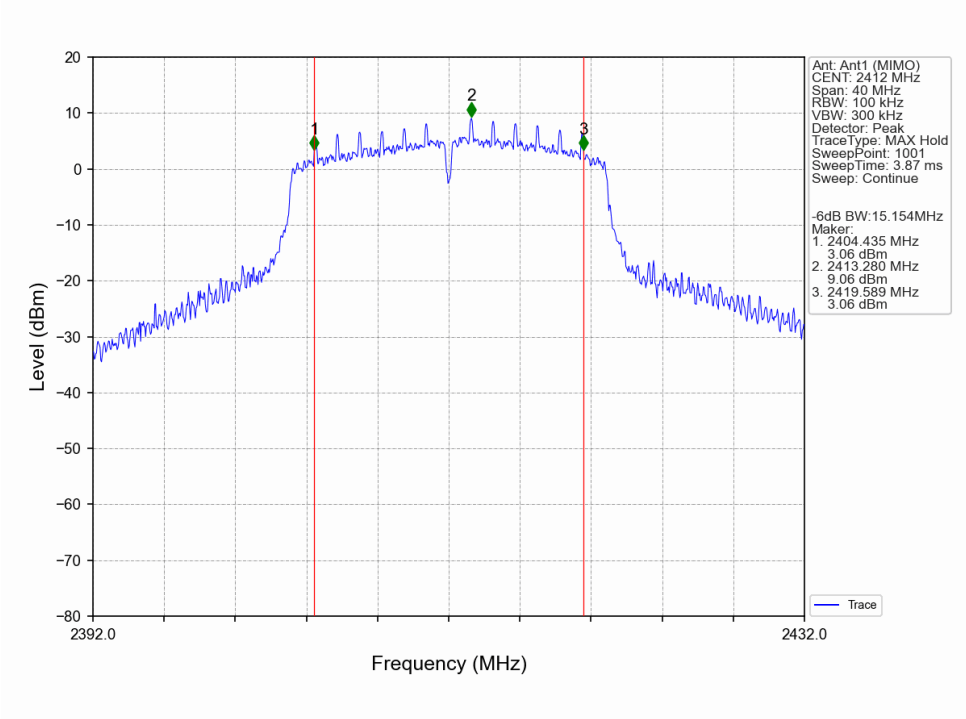
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



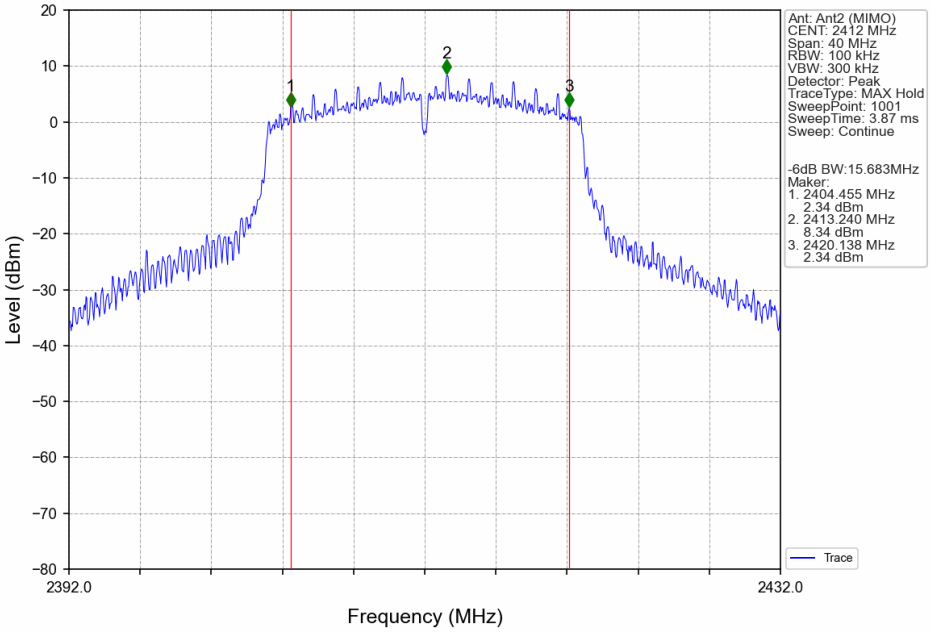
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



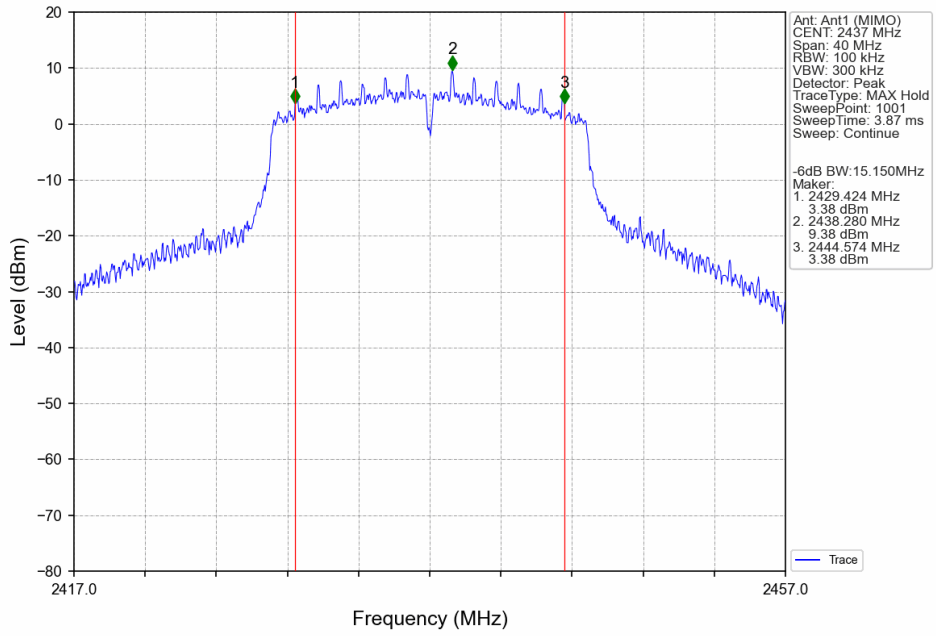
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



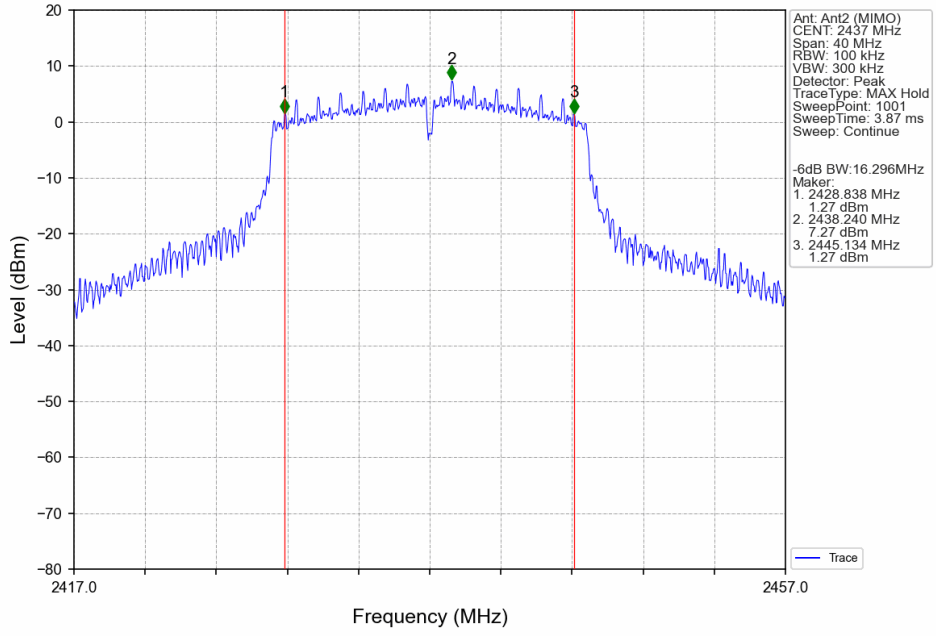
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



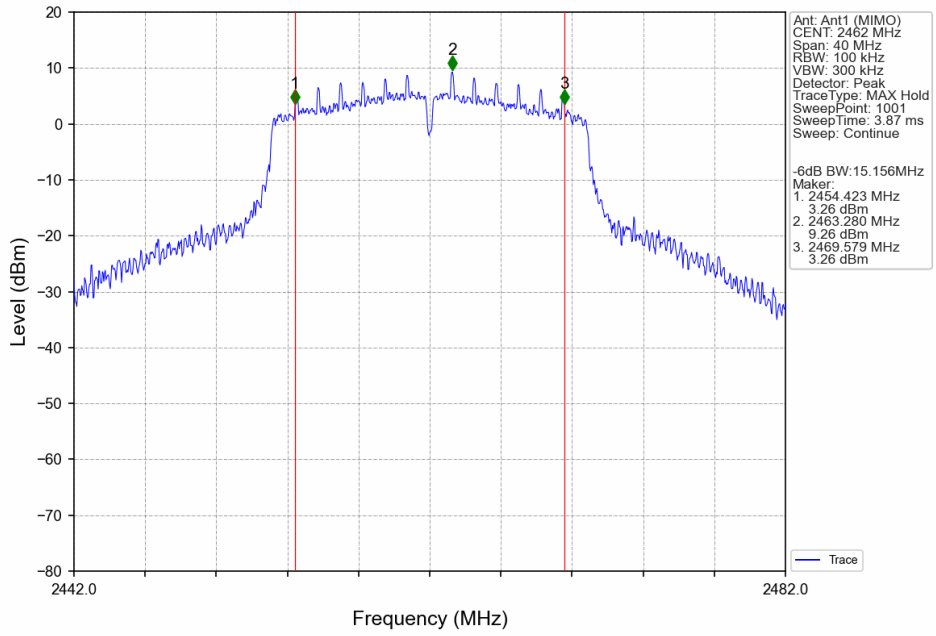
802.11n(HT20)_MCH_2437MHz_Ant0 (MIMO)_NTNV



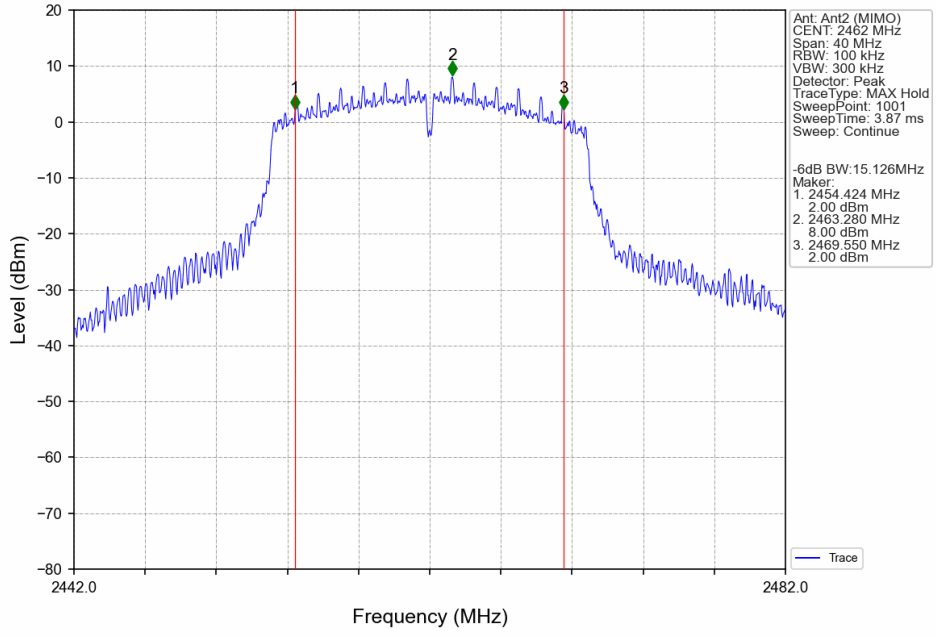
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



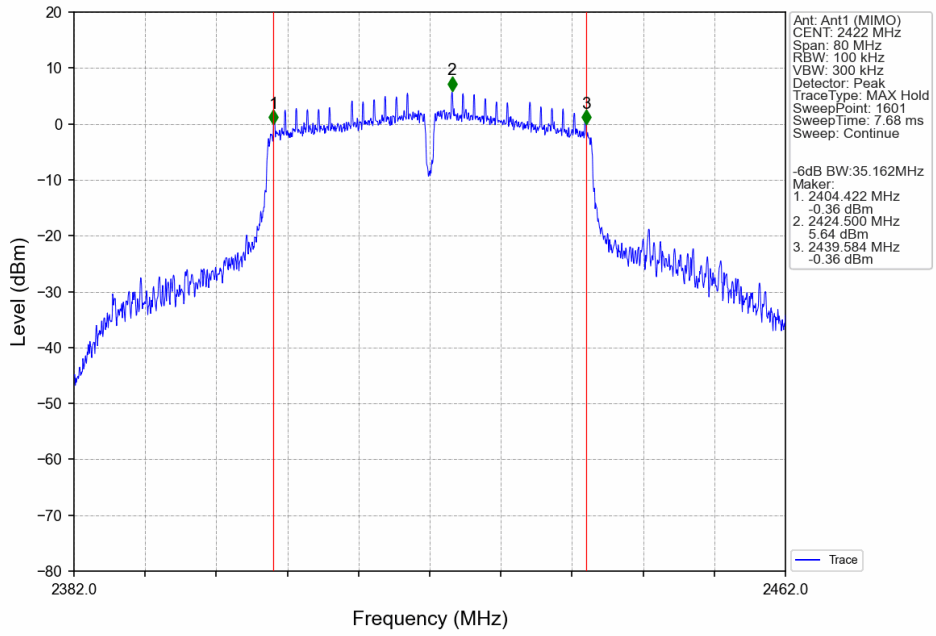
802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV



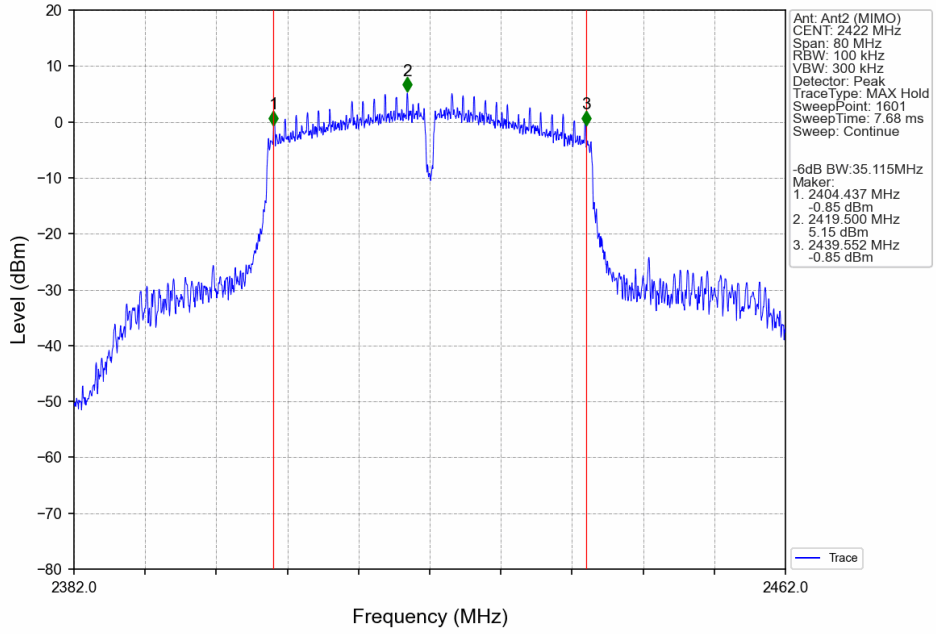
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



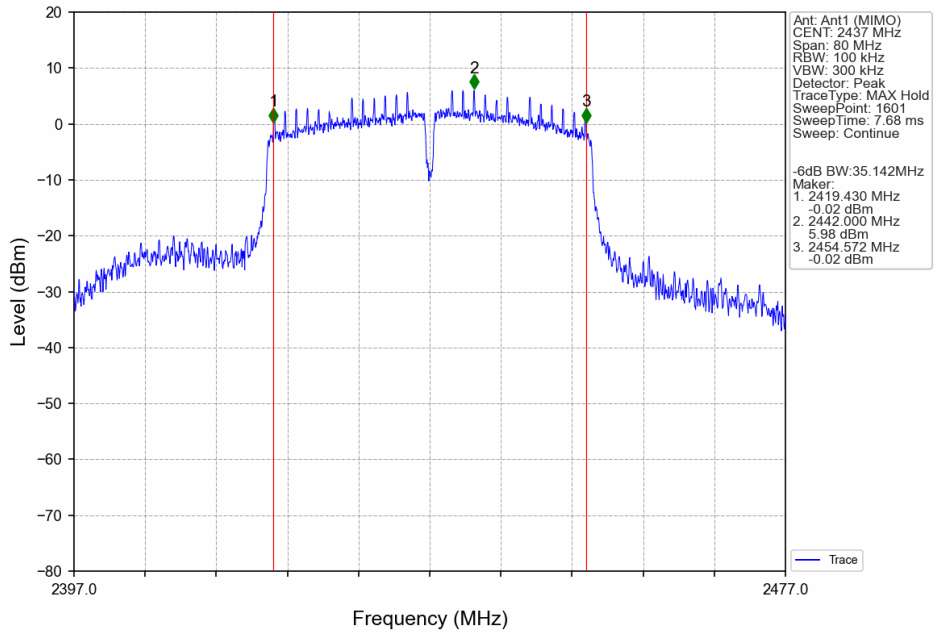
802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV



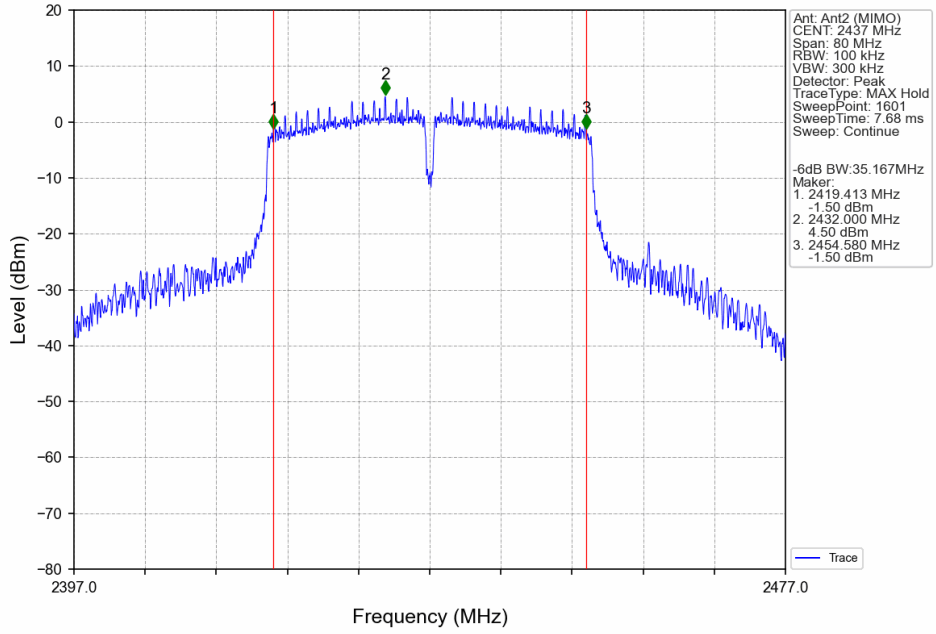
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



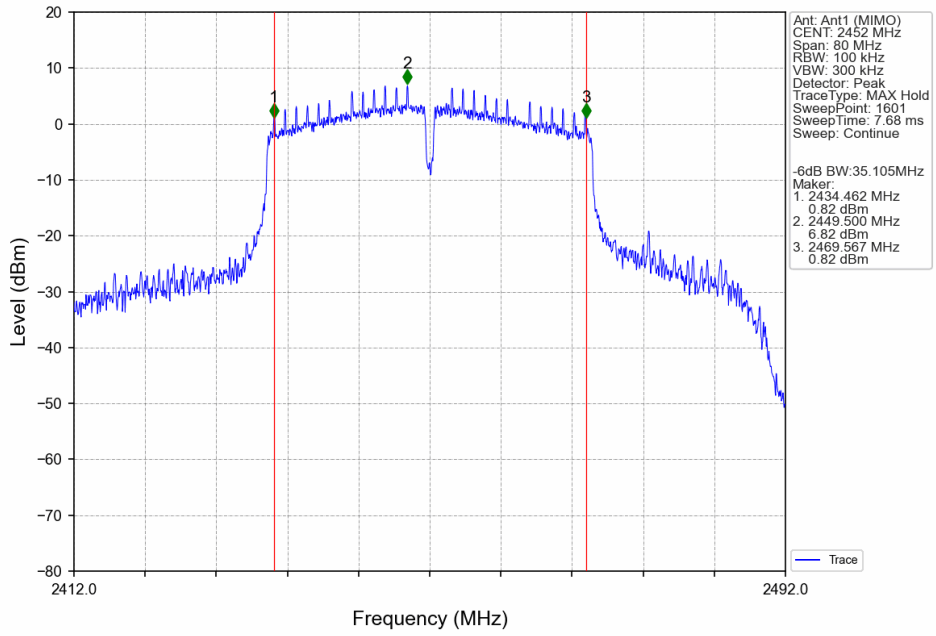
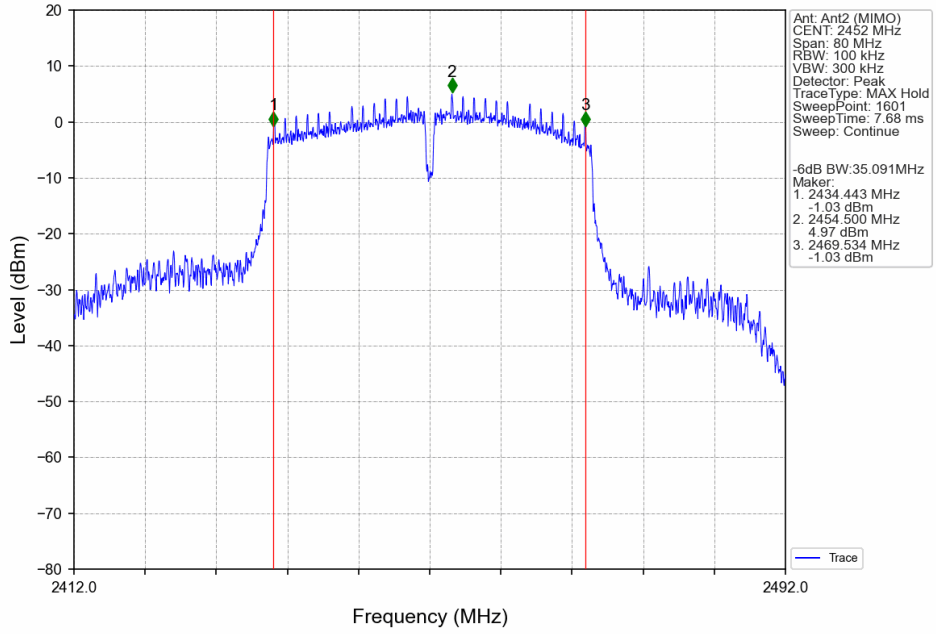
802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV