

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

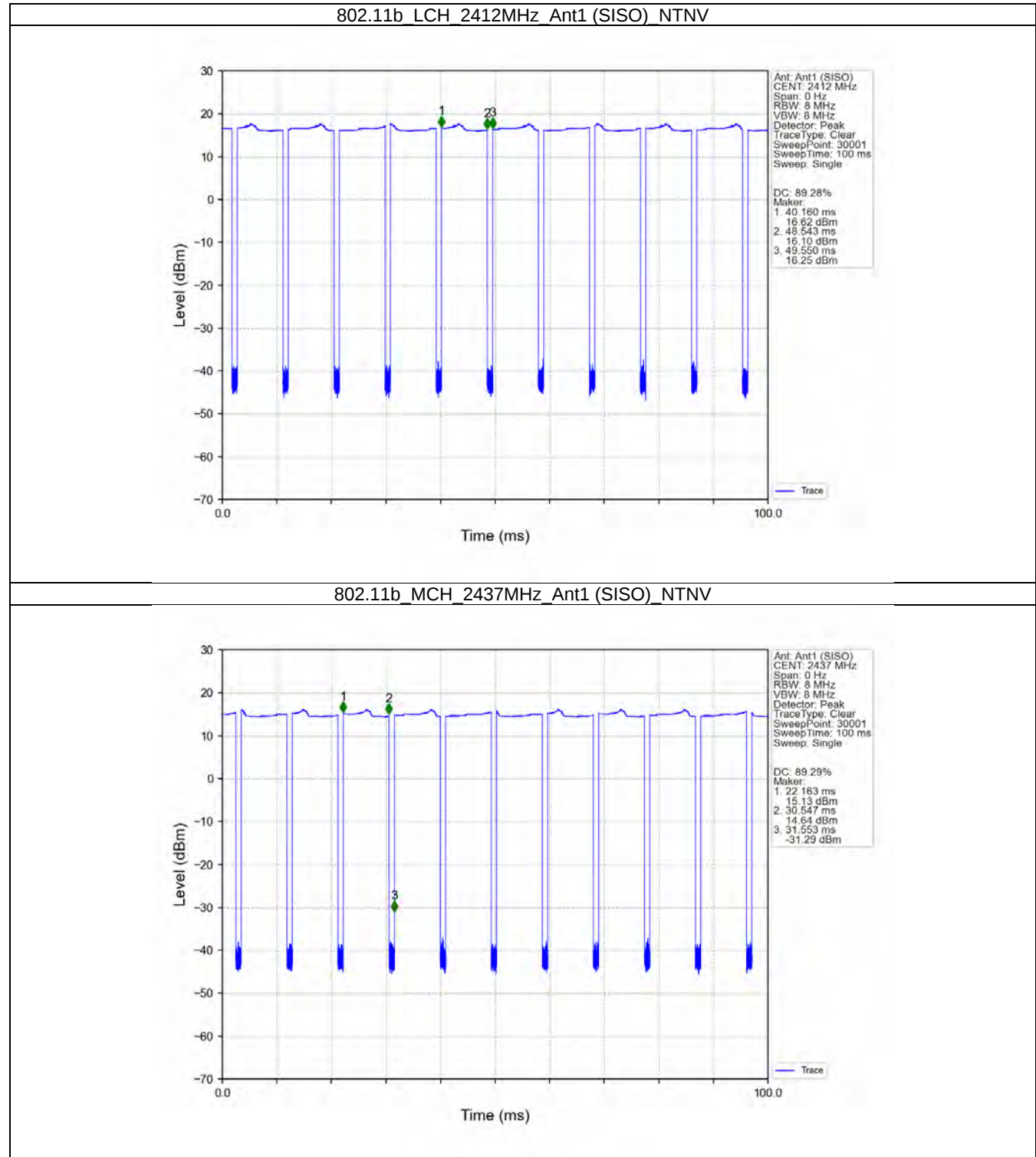
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.383	9.390	89.28	0.49	0.35
		2437	/	/	8.384	9.390	89.29	0.49	0.35
		2462	/	/	8.387	9.367	89.54	0.48	0.10
802.11g	SISO	2412	/	/	1.392	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 Ant2

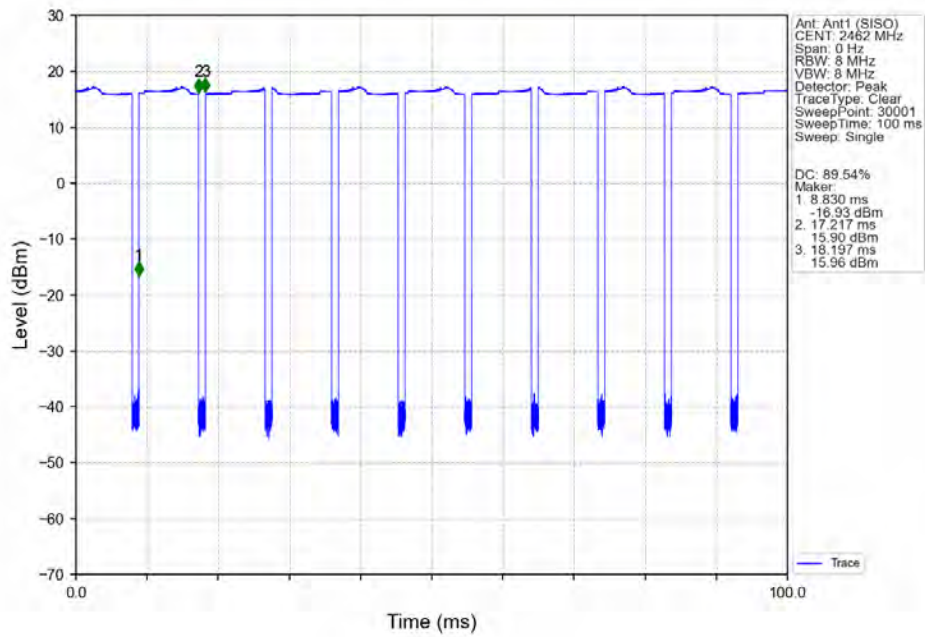
Ant2									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.387	9.400	89.22	0.50	0.41
		2437	/	/	8.383	9.363	89.53	0.48	1.29
		2462	/	/	8.383	9.356	89.60	0.48	0.61
802.11g	SISO	2412	/	/	1.392	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

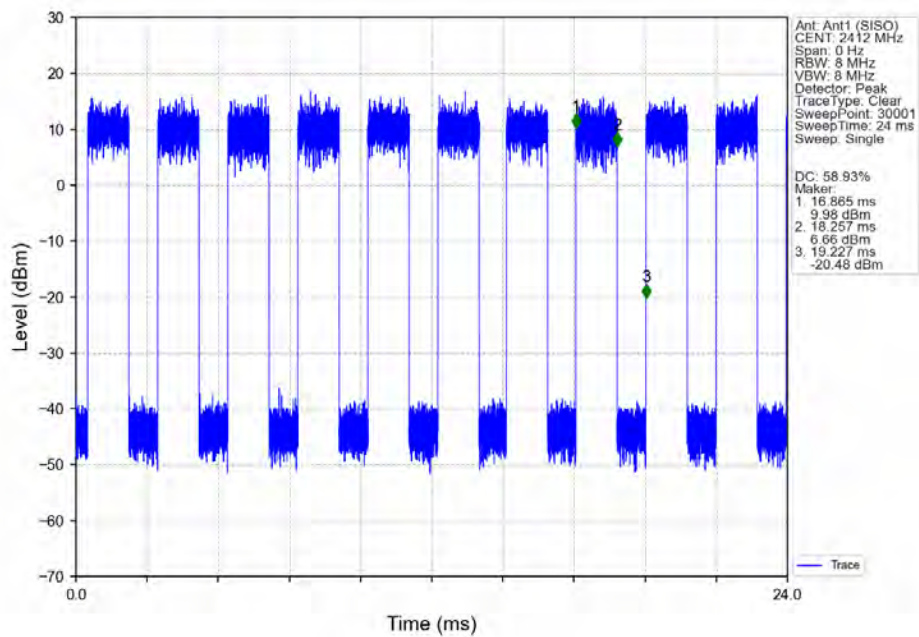
1.2.1 Ant1



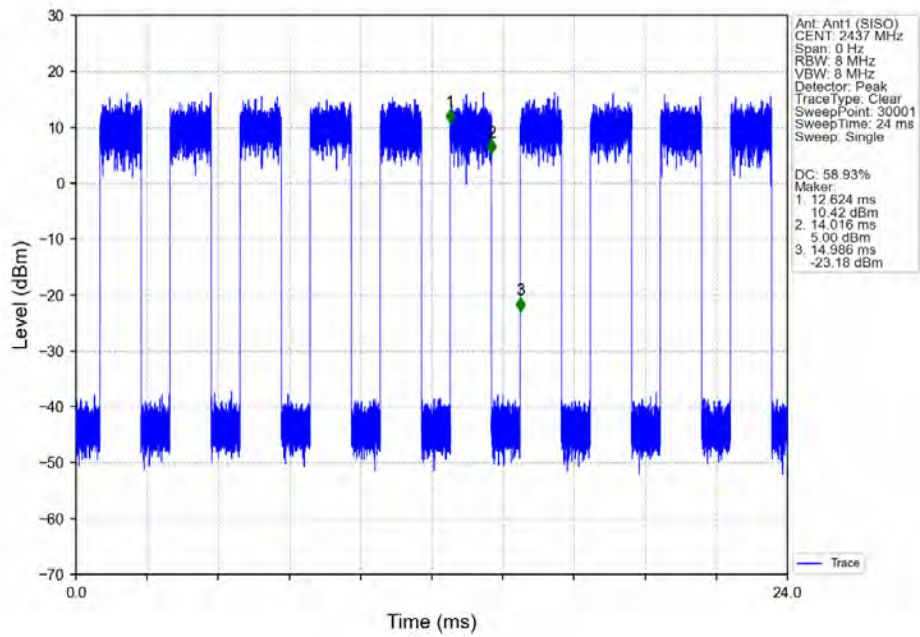
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



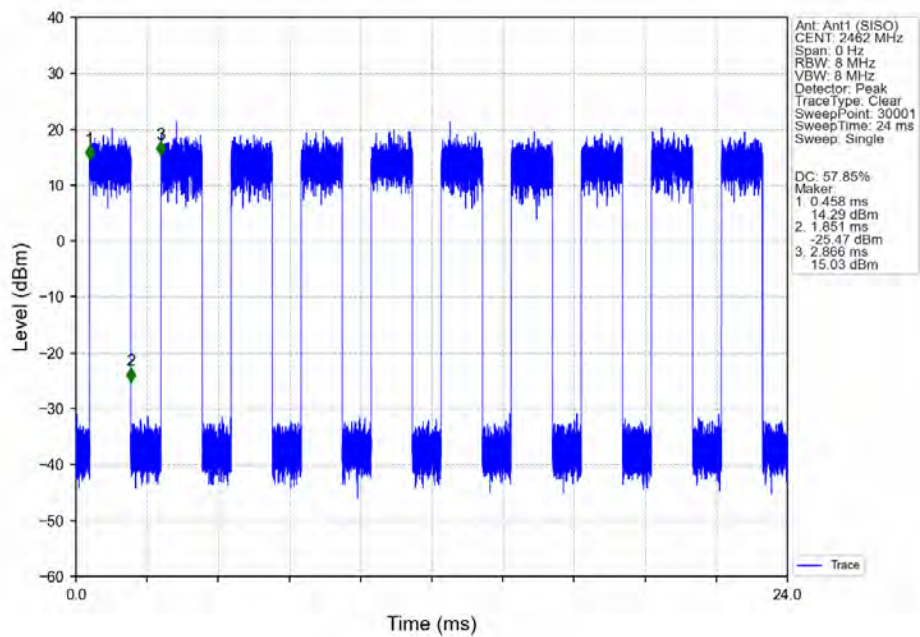
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



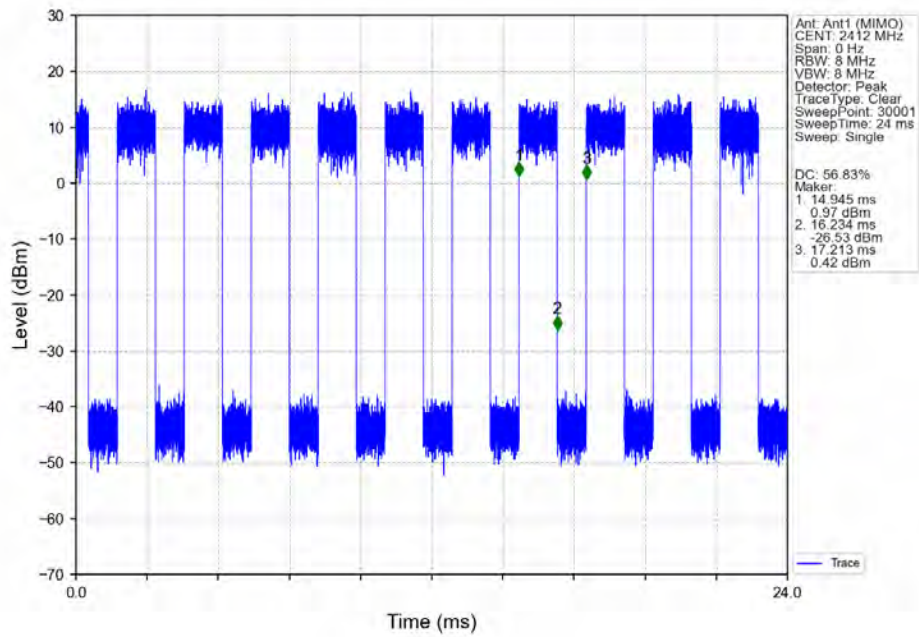
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



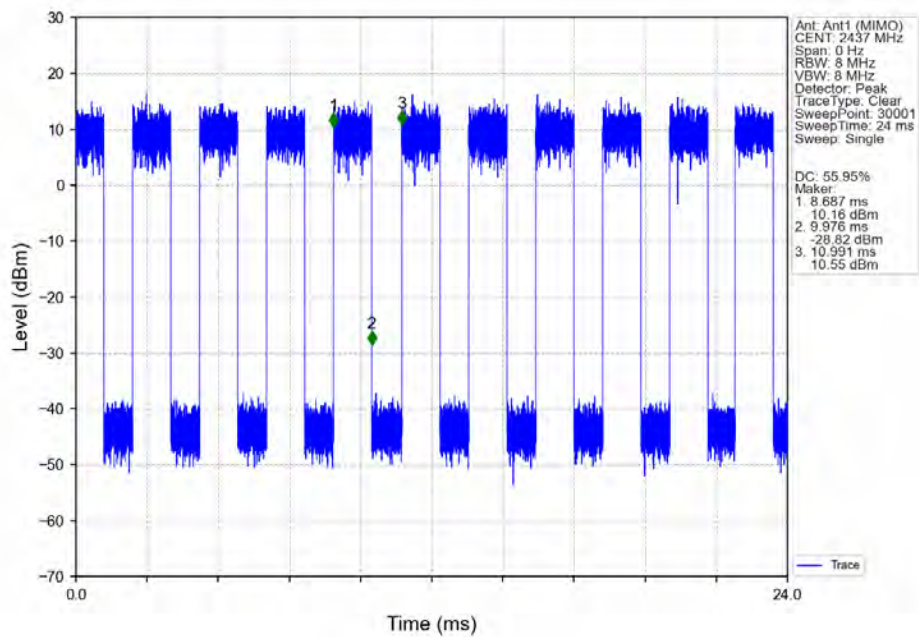
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



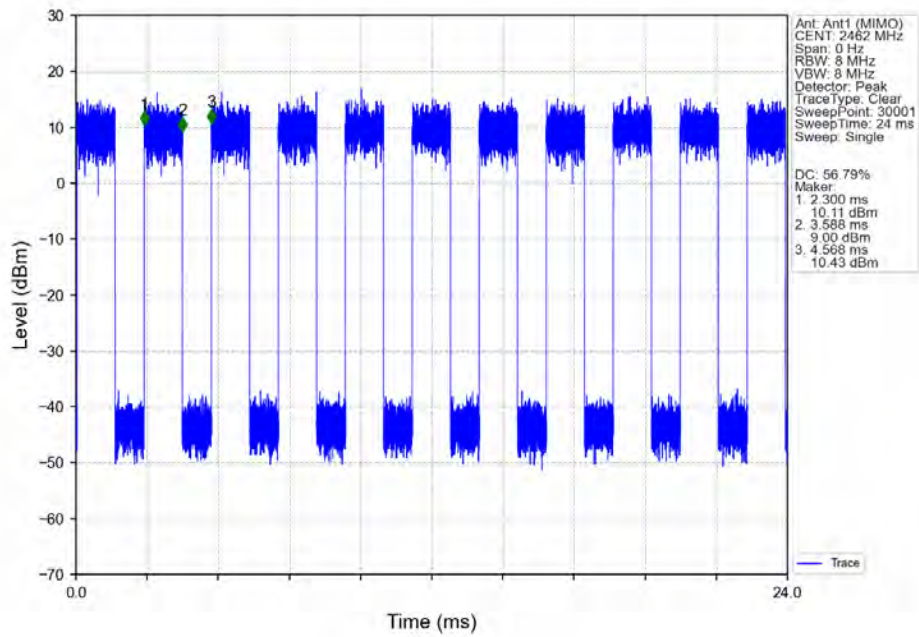
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



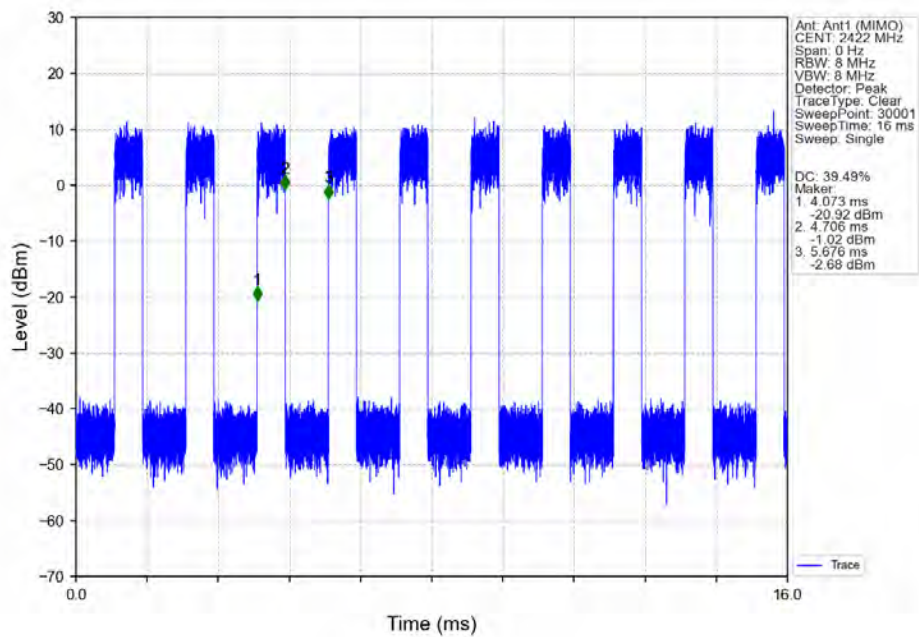
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



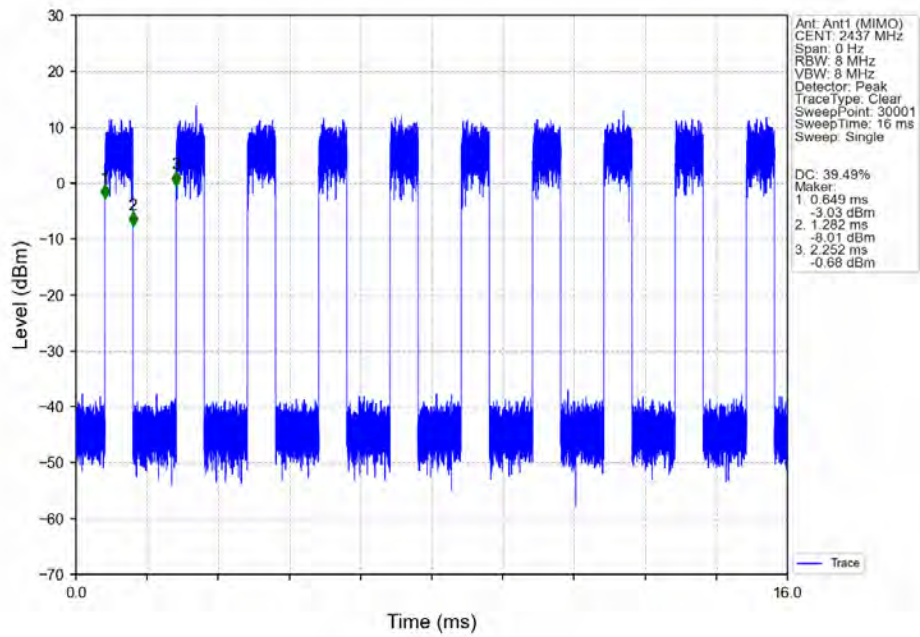
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO)_NTNV



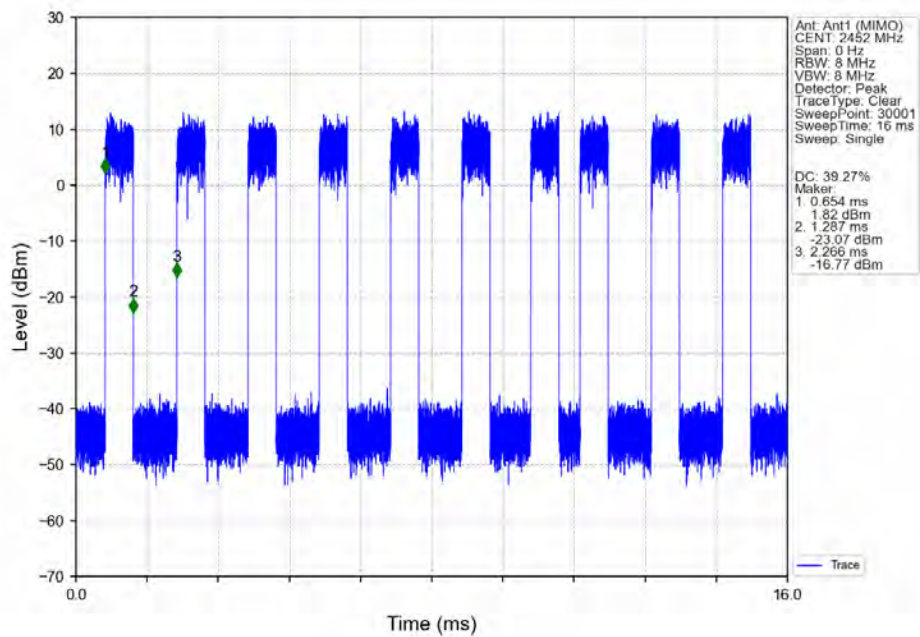
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



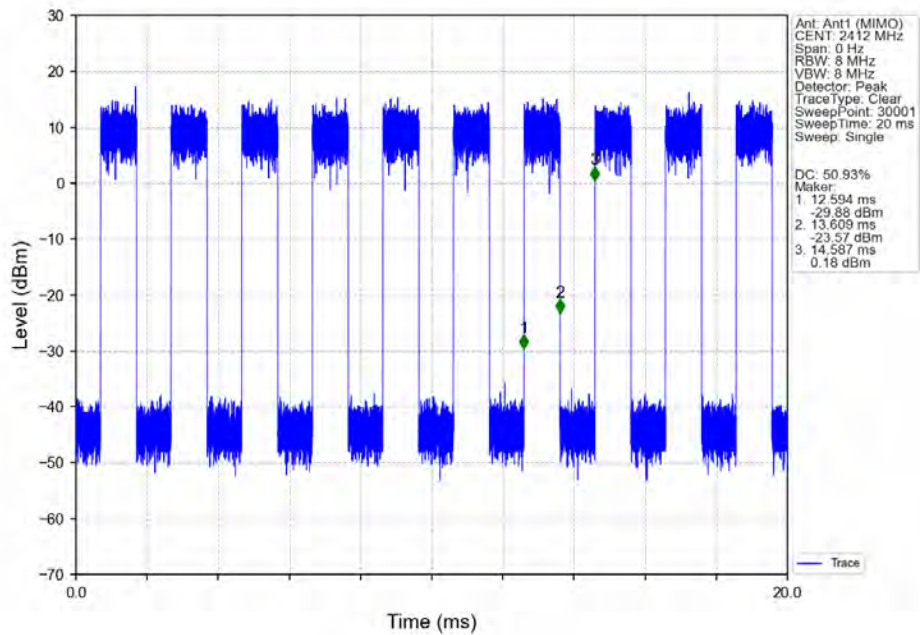
802.11n(HT40) MCH 2437MHz_Ant1 (MIMO) NTNV



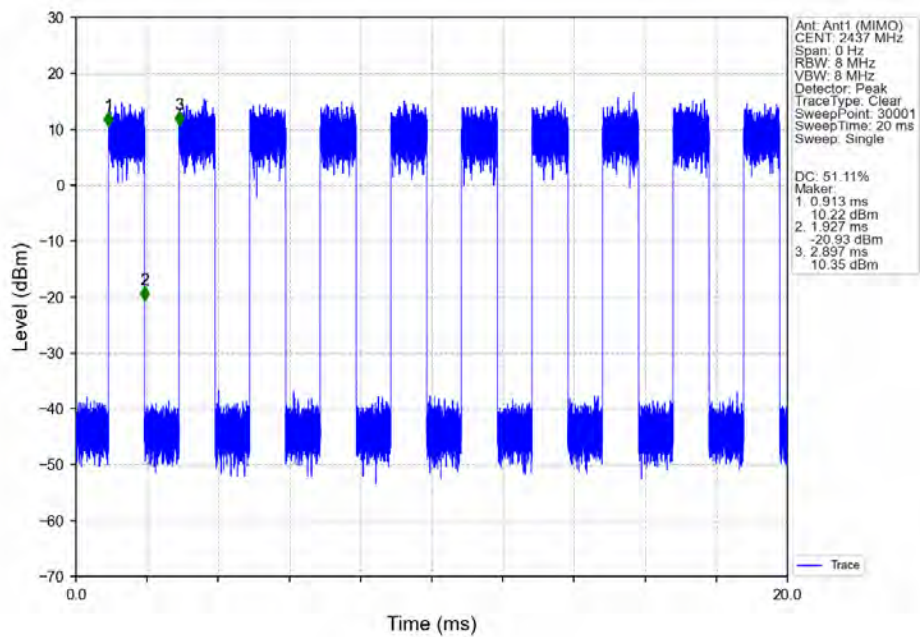
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO) NTNV



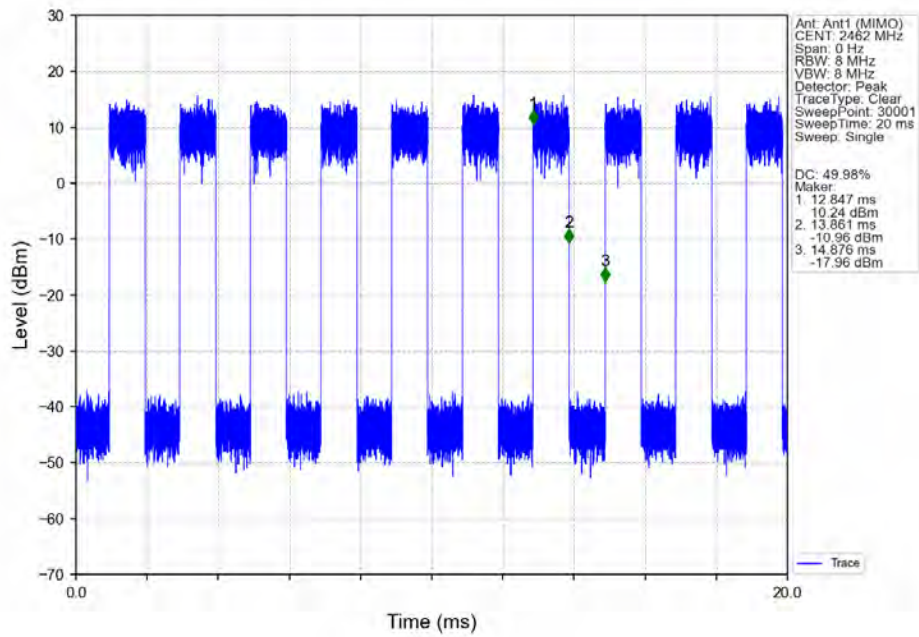
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTN



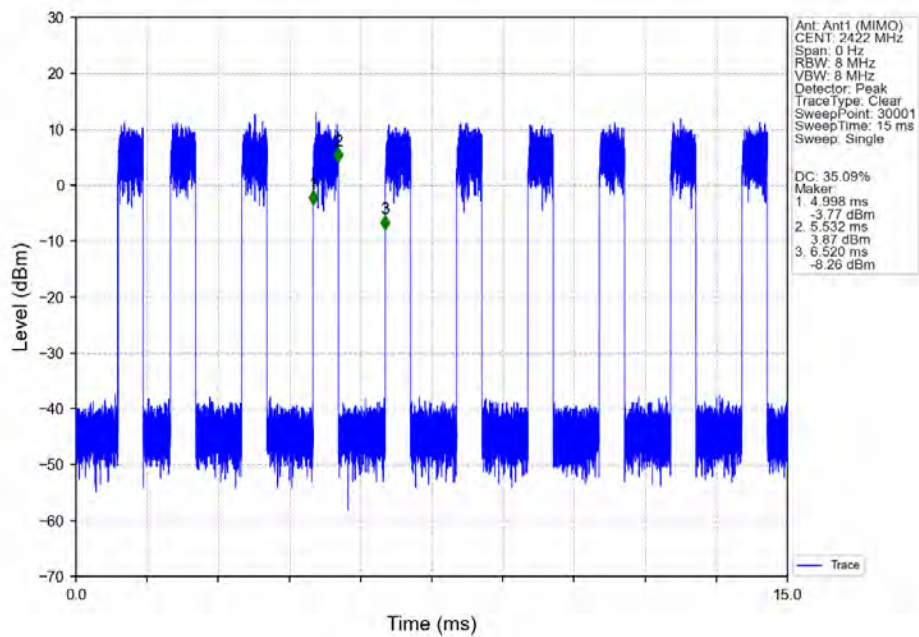
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (MIMO) NTN



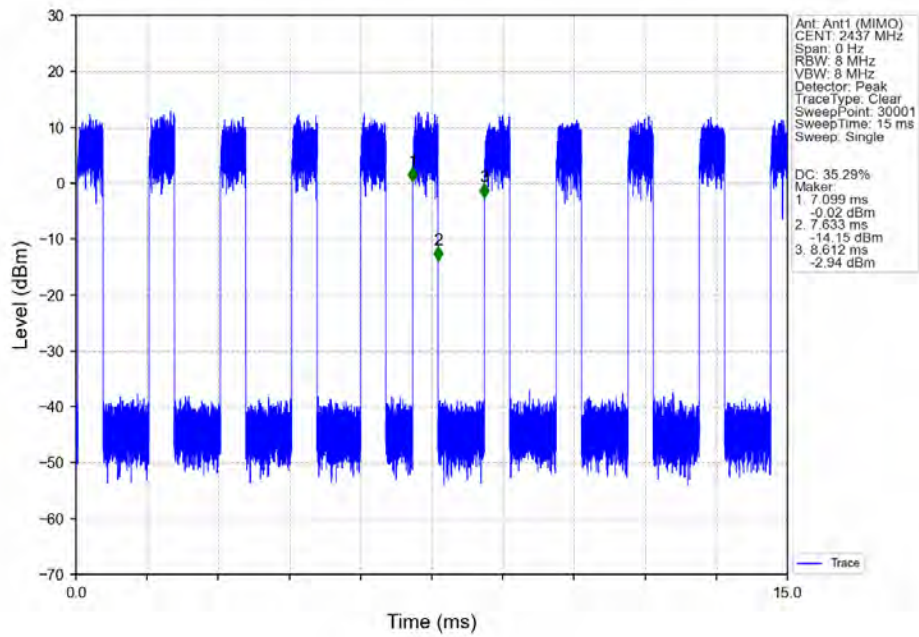
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



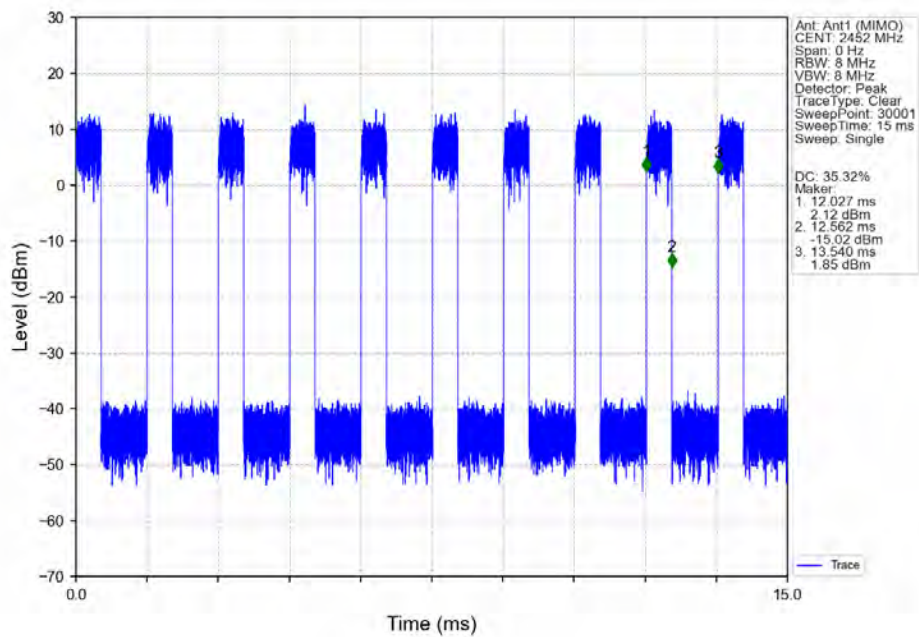
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV

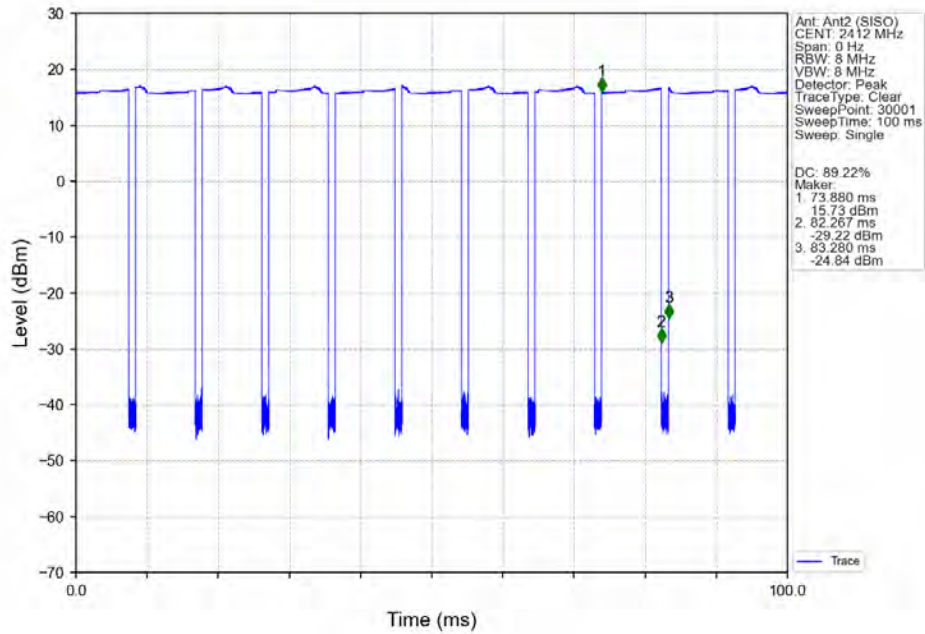


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV

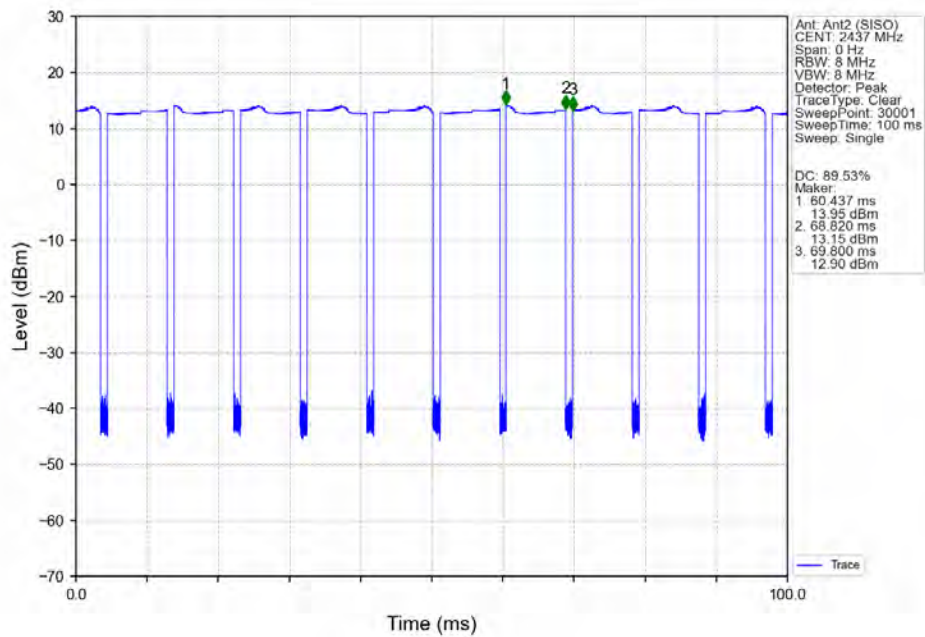


1.2.2 Ant2

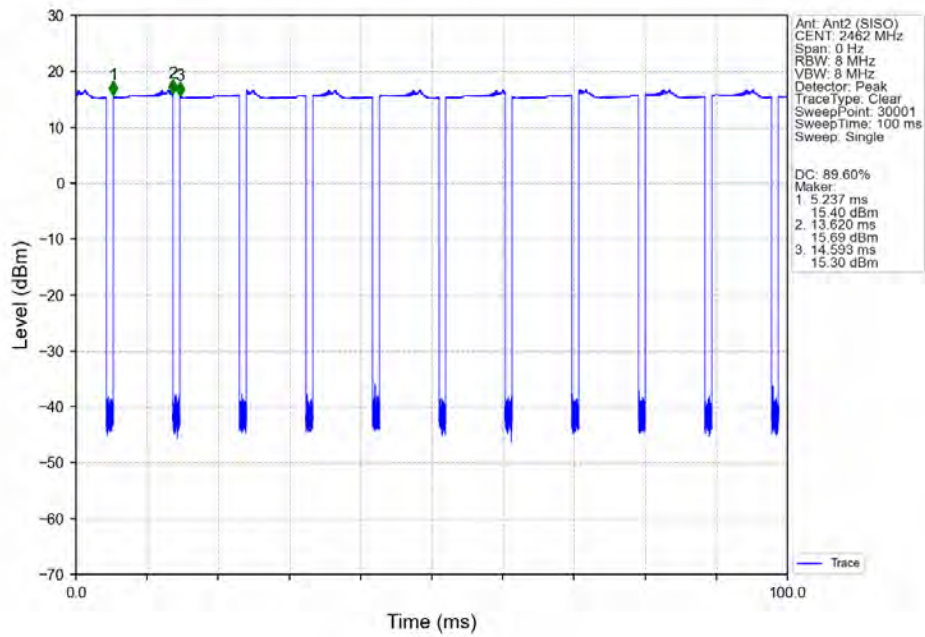
802.11b LCH 2412MHz_Ant2 (SISO)_NTNV



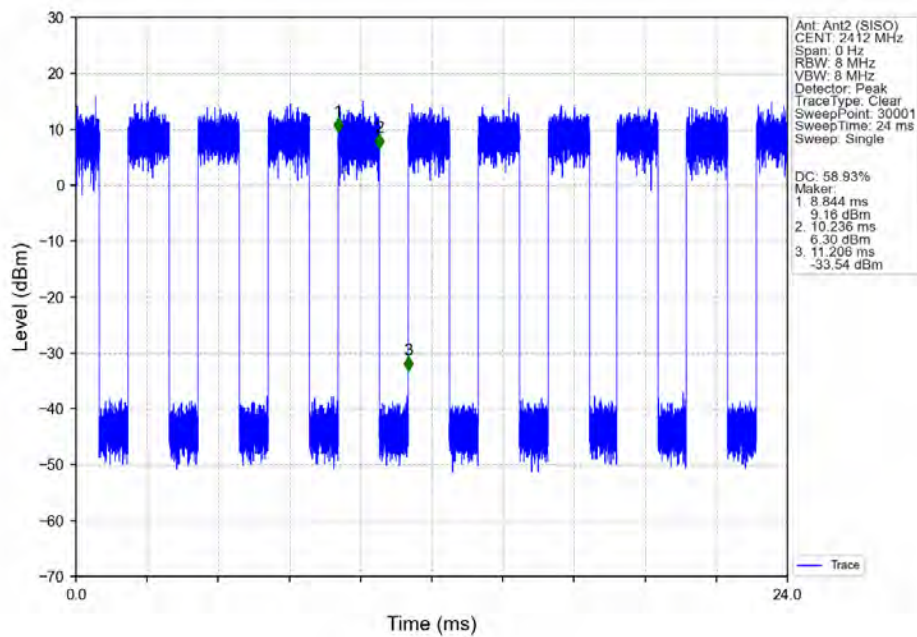
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



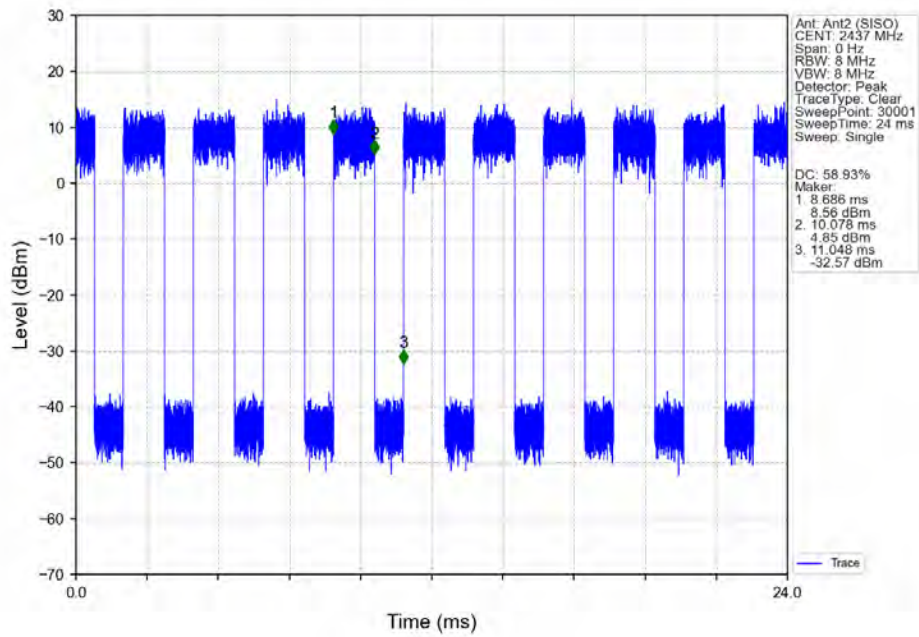
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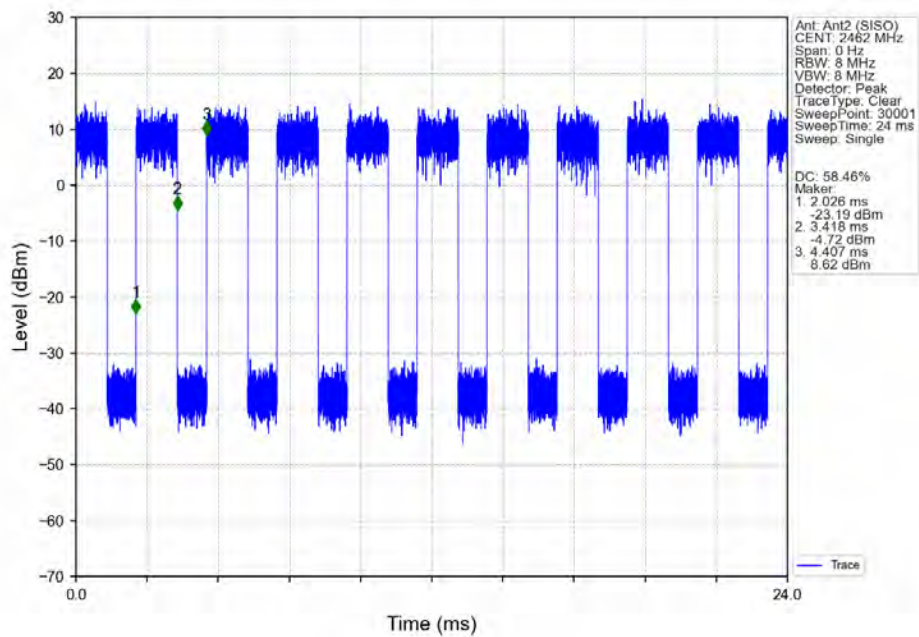
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



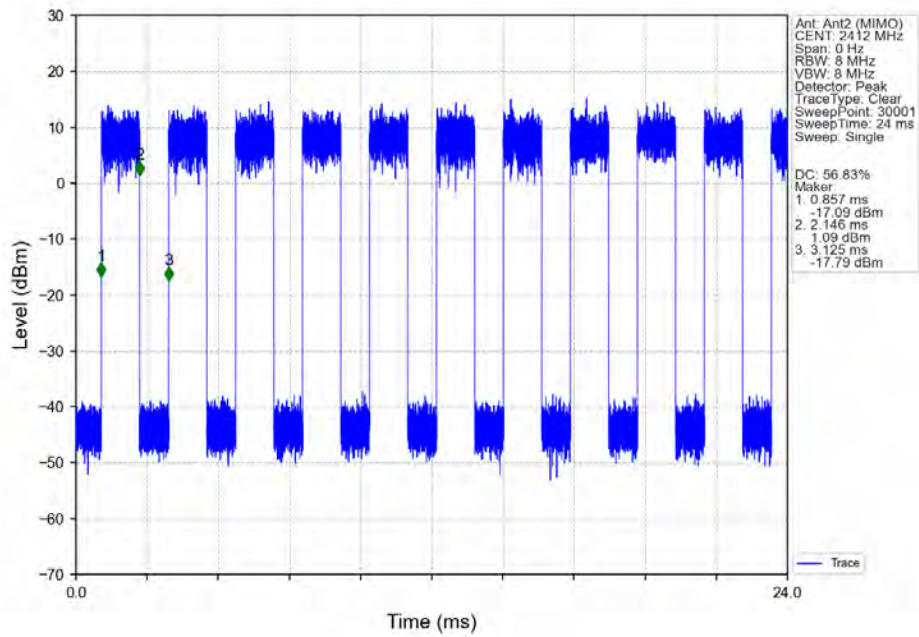
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



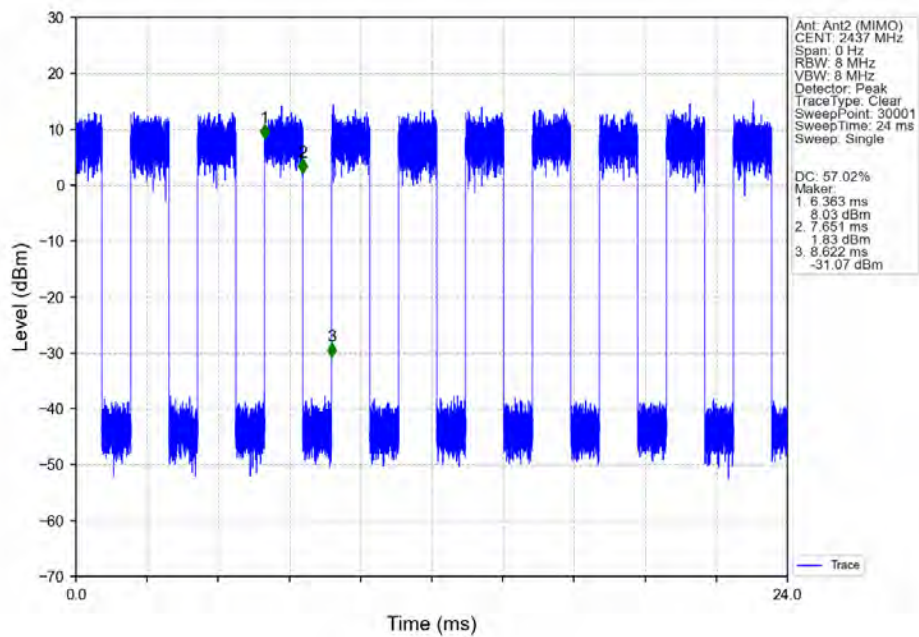
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



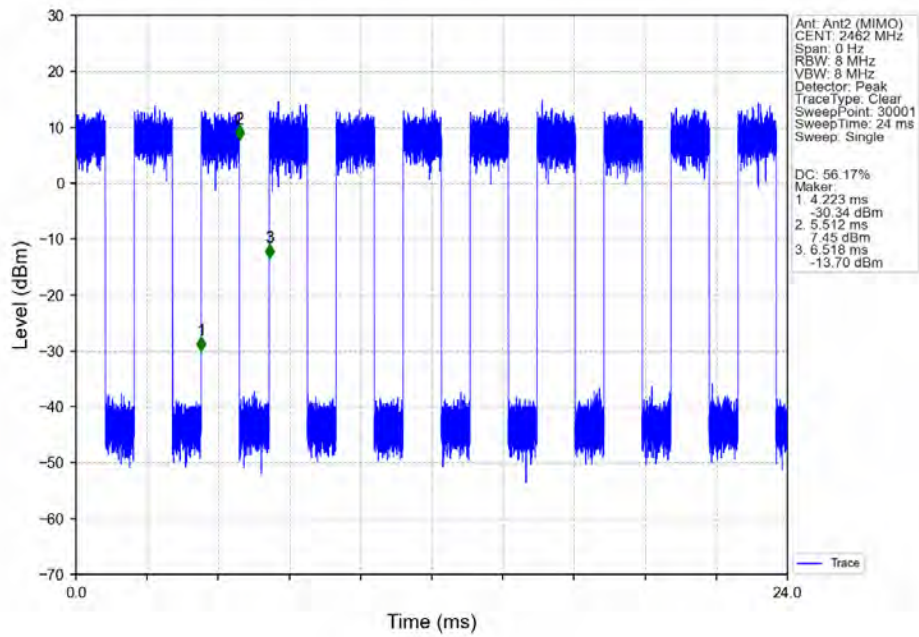
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



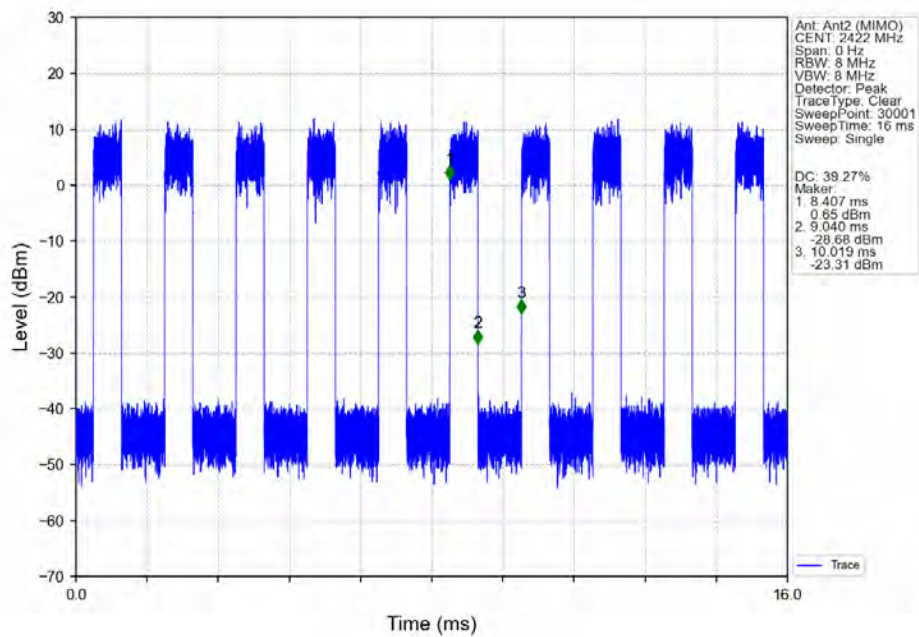
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



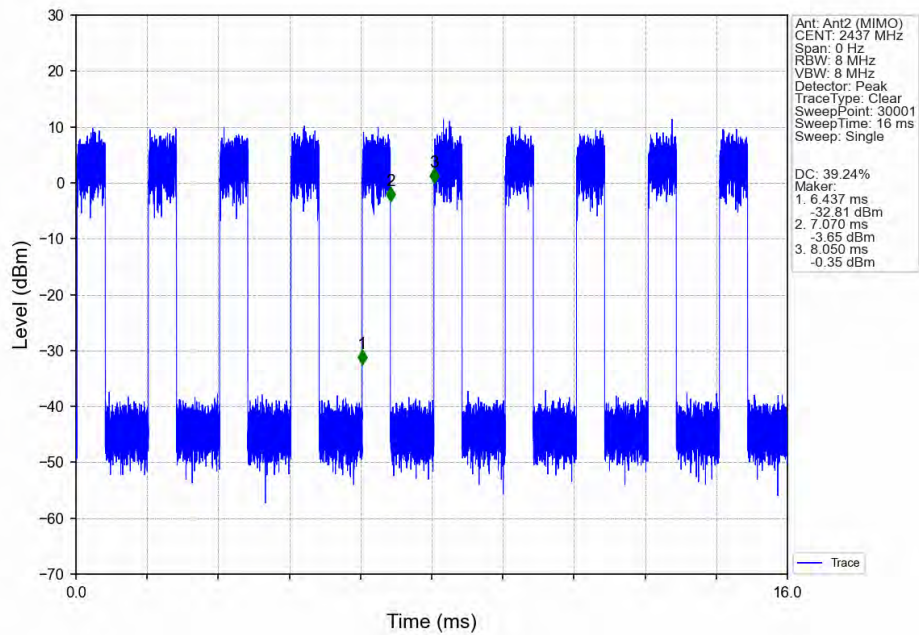
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO)_NTNV



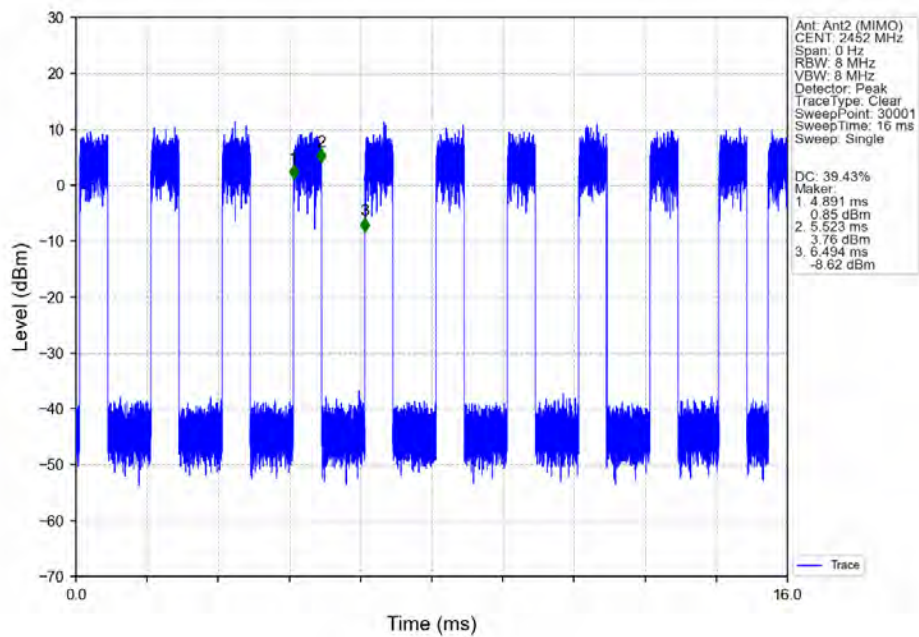
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



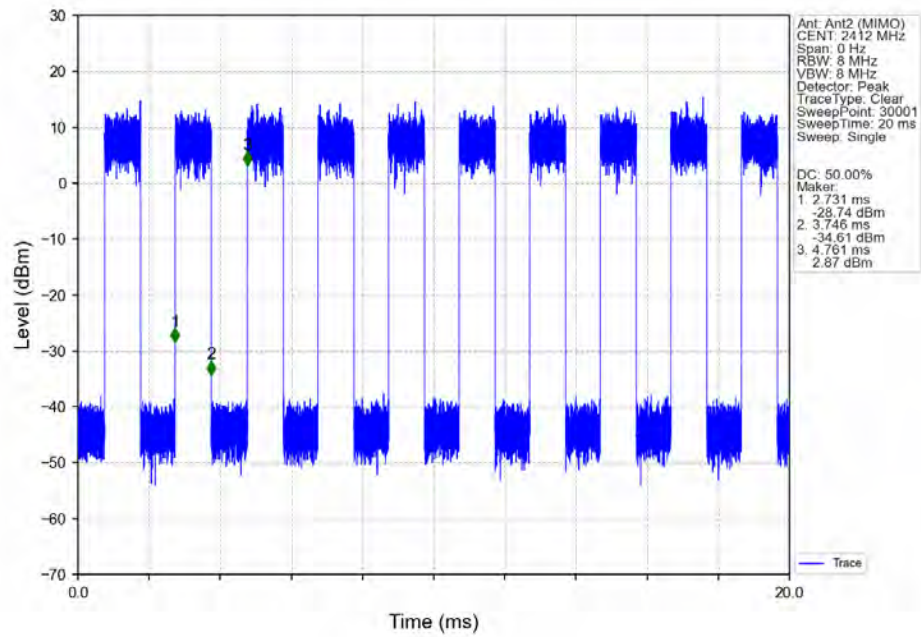
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



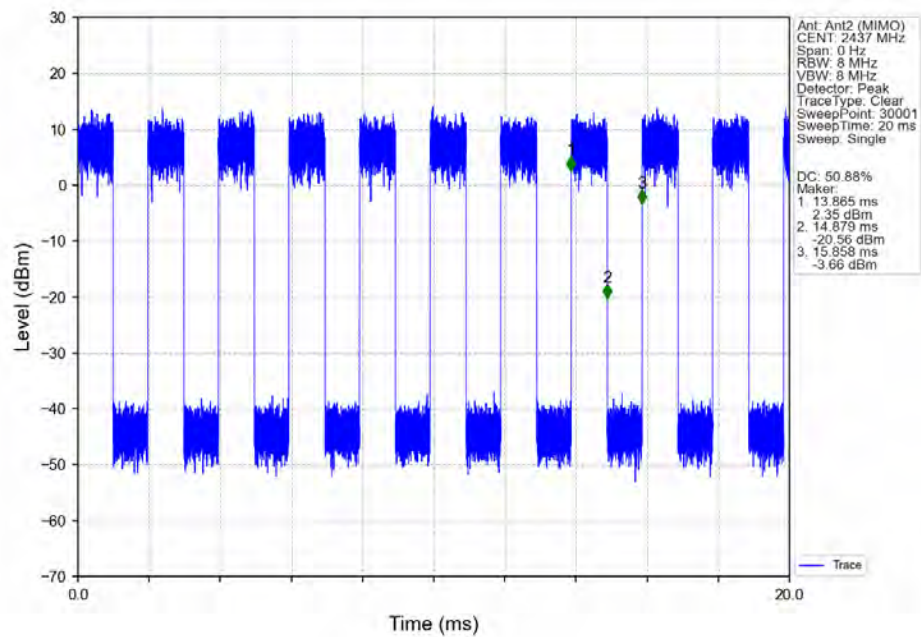
802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



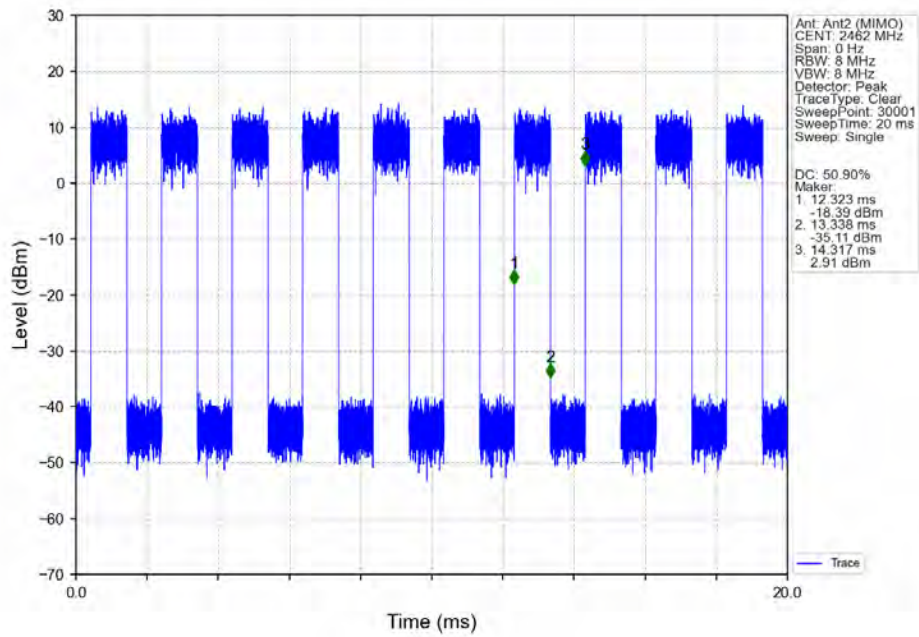
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTNV



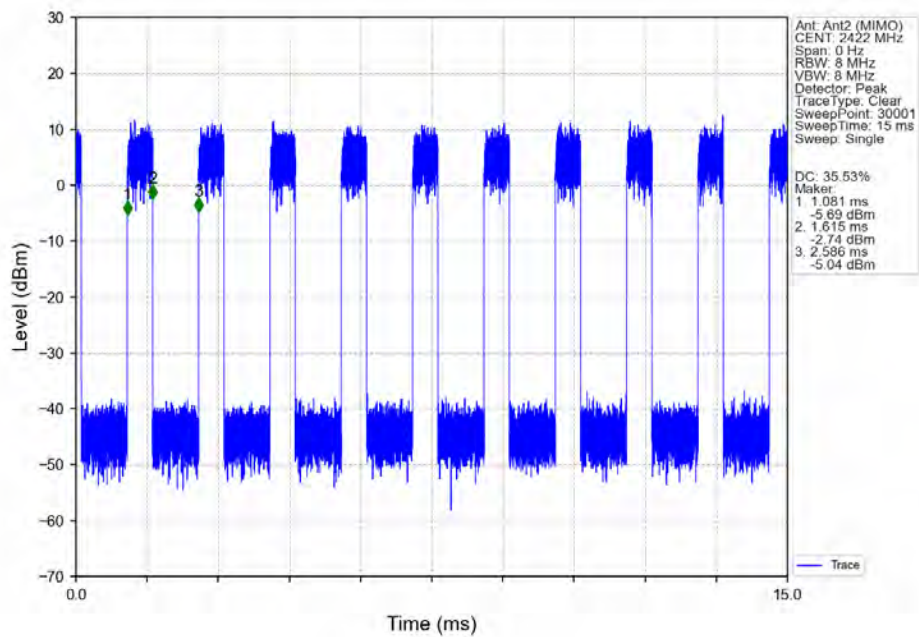
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant2 (MIMO) NTNV



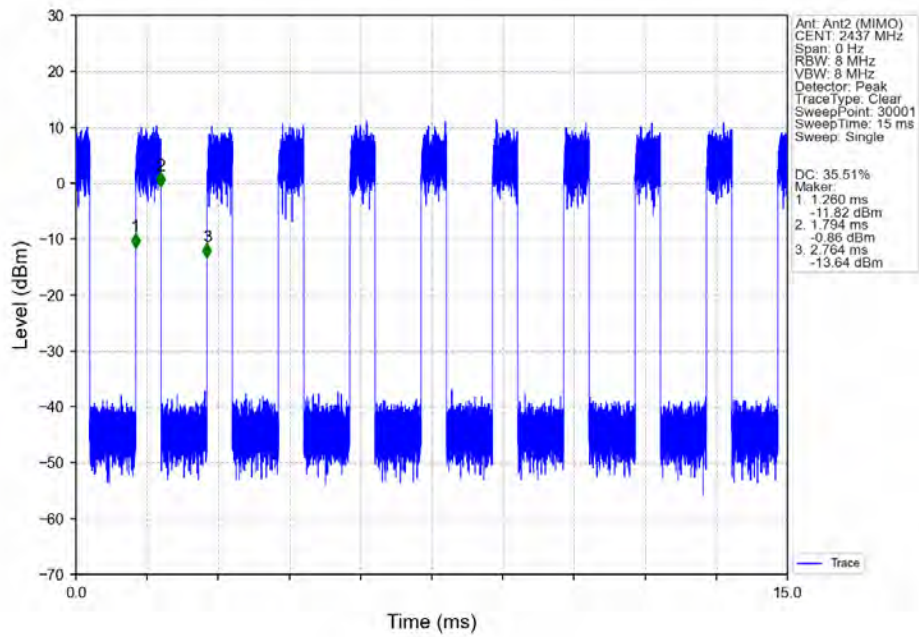
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



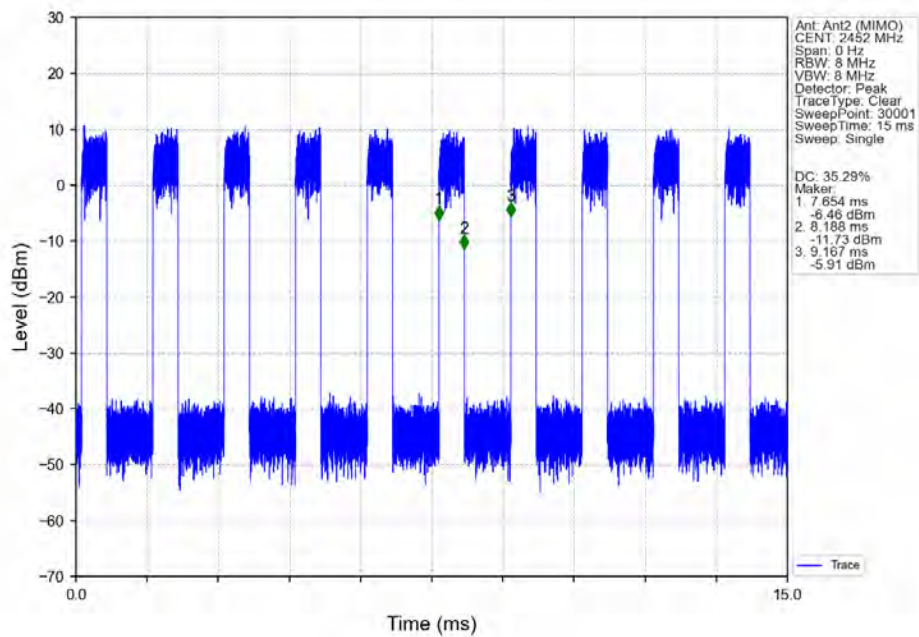
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (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	12.869	/	Pass
					2	12.638	/	Pass
		2437	/	/	1	12.866	/	Pass
					2	12.948	/	Pass
		2462	/	/	1	13.146	/	Pass
					2	12.472	/	Pass
802.11g	SISO	2412	/	/	1	18.152	/	Pass
					2	17.539	/	Pass
		2437	/	/	1	17.789	/	Pass
					2	17.859	/	Pass
		2462	/	/	1	18.408	/	Pass
					2	17.304	/	Pass
802.11n (HT20)	MIMO	2412	/	/	1	18.768	/	Pass
					2	18.037	/	Pass
		2437	/	/	1	18.614	/	Pass
					2	21.880	/	Pass
		2462	/	/	1	18.925	/	Pass
					2	17.846	/	Pass
802.11n (HT40)	MIMO	2422	/	/	1	37.406	/	Pass
					2	36.499	/	Pass
		2437	/	/	1	37.520	/	Pass
					2	37.162	/	Pass
		2452	/	/	1	37.007	/	Pass
					2	36.801	/	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	19.085	/	Pass
					2	18.946	/	Pass
		2437	RU242	Left	1	19.064	/	Pass
					2	19.100	/	Pass
		2462	RU242	Left	1	19.180	/	Pass
					2	18.837	/	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	38.280	/	Pass
					2	37.947	/	Pass
		2437	RU484	Left	1	38.183	/	Pass
					2	38.222	/	Pass
		2452	RU484	Left	1	38.141	/	Pass
					2	37.950	/	Pass

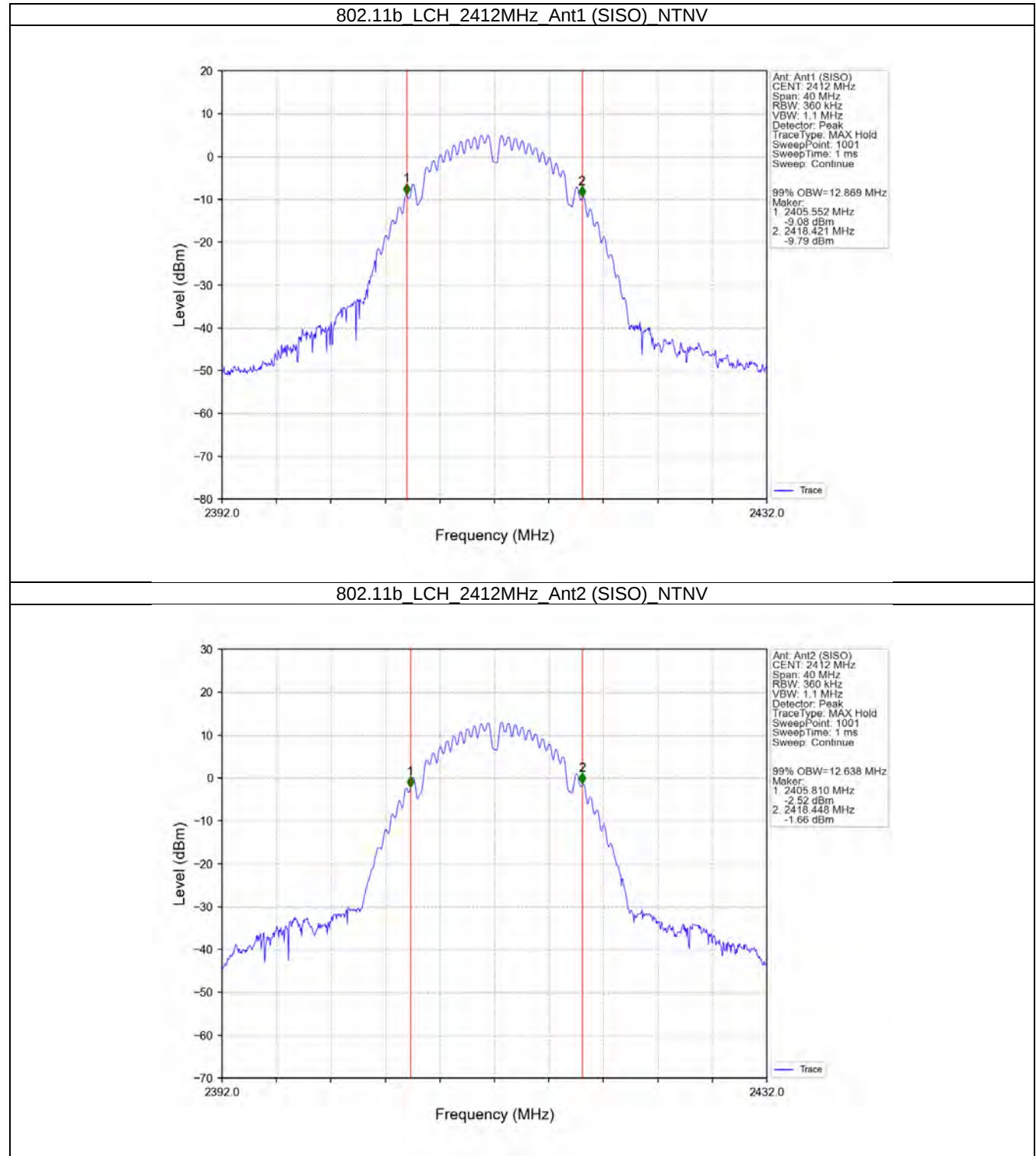
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.573	≥ 0.5	Pass
					2	8.088	≥ 0.5	Pass
		2437	/	/	1	7.633	≥ 0.5	Pass
					2	8.110	≥ 0.5	Pass
		2462	/	/	1	8.575	≥ 0.5	Pass
					1	8.575	≥ 0.5	Pass

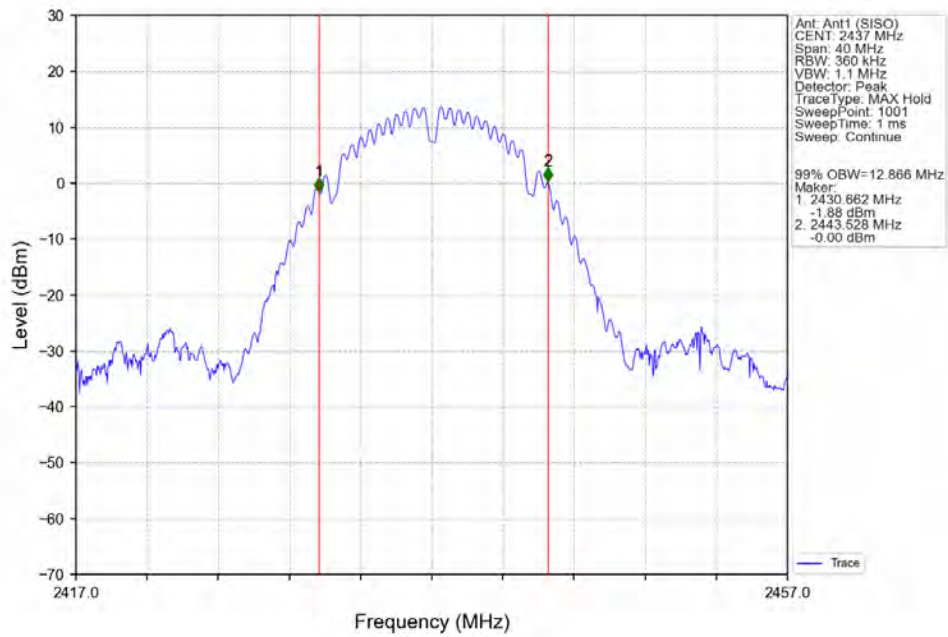
					2	8.053	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	15.154	≥ 0.5	Pass
					2	15.127	≥ 0.5	Pass
		2437	/	/	1	15.145	≥ 0.5	Pass
					2	15.132	≥ 0.5	Pass
		2462	/	/	1	15.147	≥ 0.5	Pass
					2	15.132	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	15.154	≥ 0.5	Pass
					2	15.683	≥ 0.5	Pass
		2437	/	/	1	15.150	≥ 0.5	Pass
					2	16.296	≥ 0.5	Pass
		2462	/	/	1	15.156	≥ 0.5	Pass
					2	15.126	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	35.162	≥ 0.5	Pass
					2	35.115	≥ 0.5	Pass
		2437	/	/	1	35.142	≥ 0.5	Pass
					2	35.167	≥ 0.5	Pass
		2452	/	/	1	35.105	≥ 0.5	Pass
					2	35.091	≥ 0.5	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.459	≥ 0.5	Pass
					2	15.579	≥ 0.5	Pass
		2437	RU242	Left	1	18.200	≥ 0.5	Pass
					2	18.368	≥ 0.5	Pass
		2462	RU242	Left	1	18.400	≥ 0.5	Pass
					2	16.335	≥ 0.5	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	37.532	≥ 0.5	Pass
					2	35.163	≥ 0.5	Pass
		2437	RU484	Left	1	37.077	≥ 0.5	Pass
					2	37.453	≥ 0.5	Pass
		2452	RU484	Left	1	36.141	≥ 0.5	Pass
					2	35.153	≥ 0.5	Pass

2.2 Test Graph

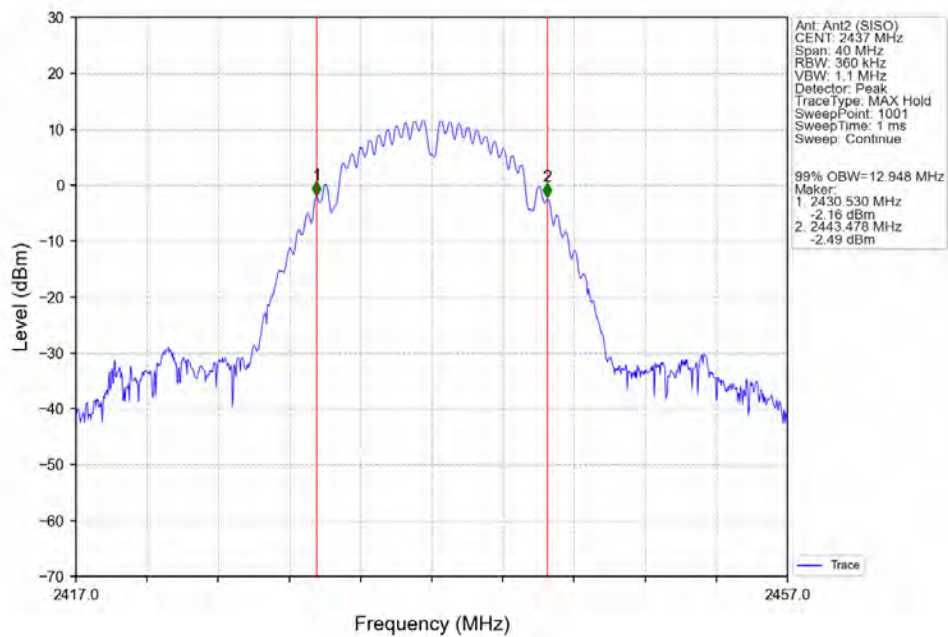
2.2.1 OBW



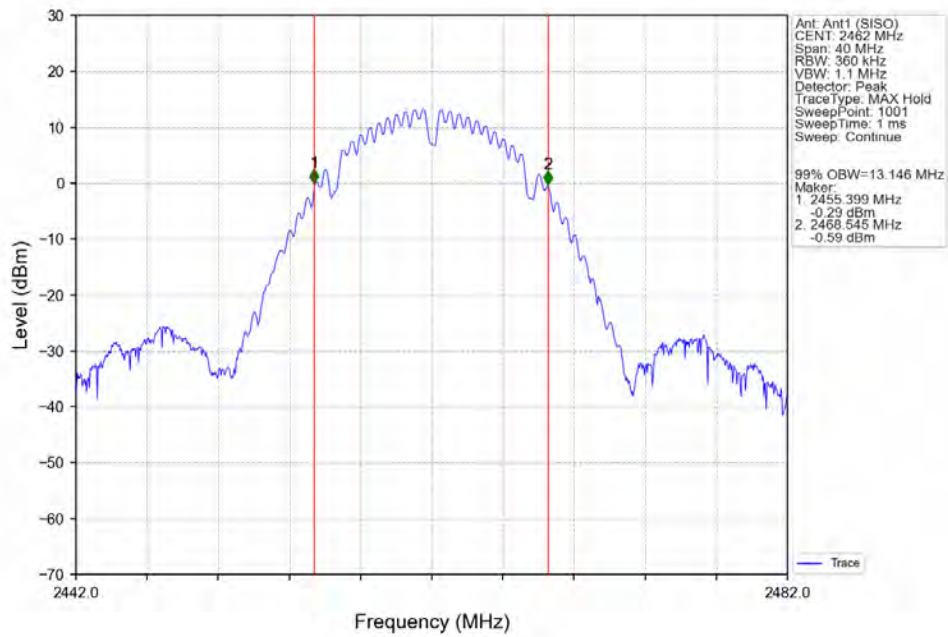
802.11b MCH_2437MHz_Ant1 (SISO)_NTNV



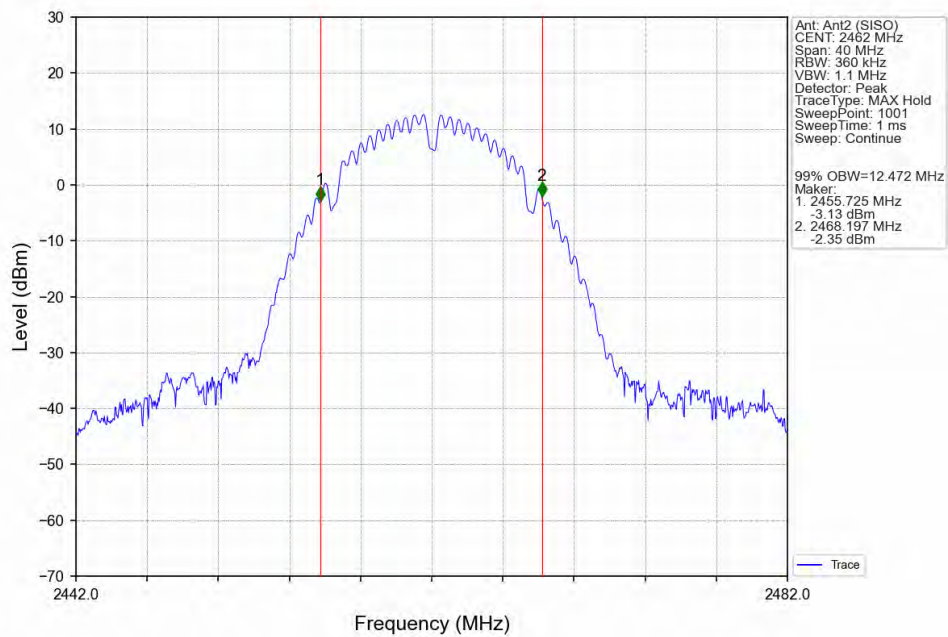
802.11b MCH_2437MHz_Ant2 (SISO)_NTNV



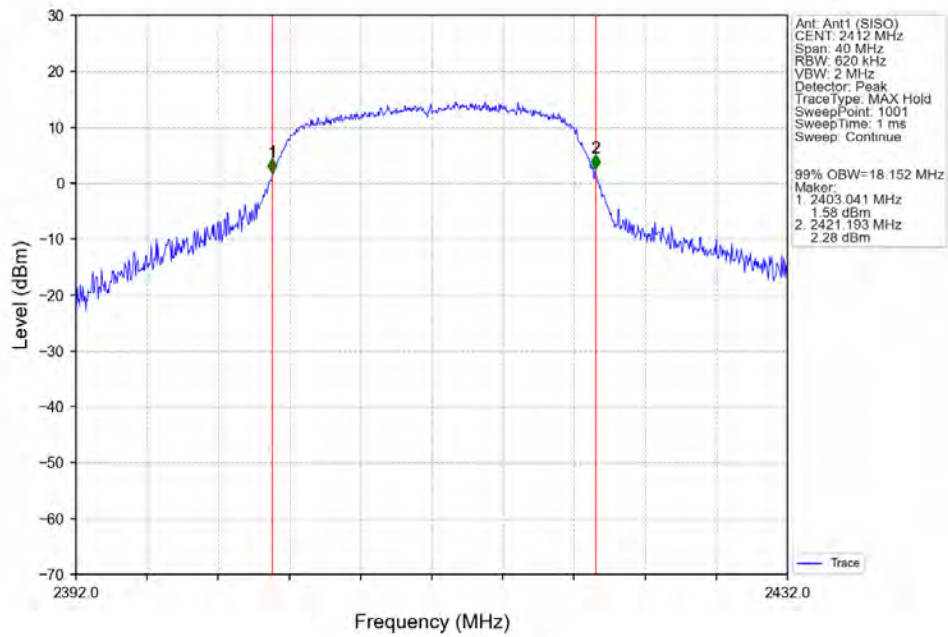
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



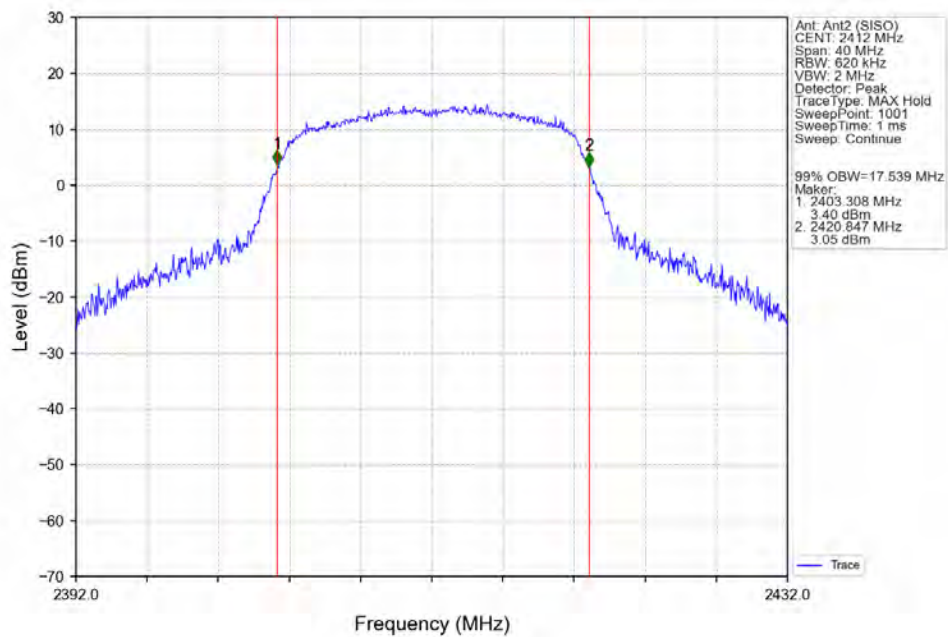
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



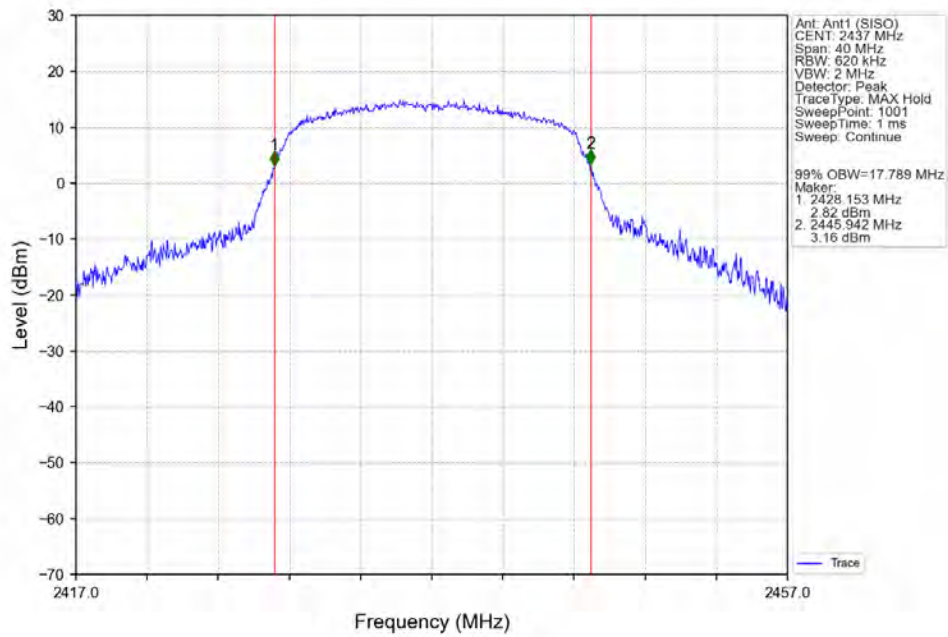
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



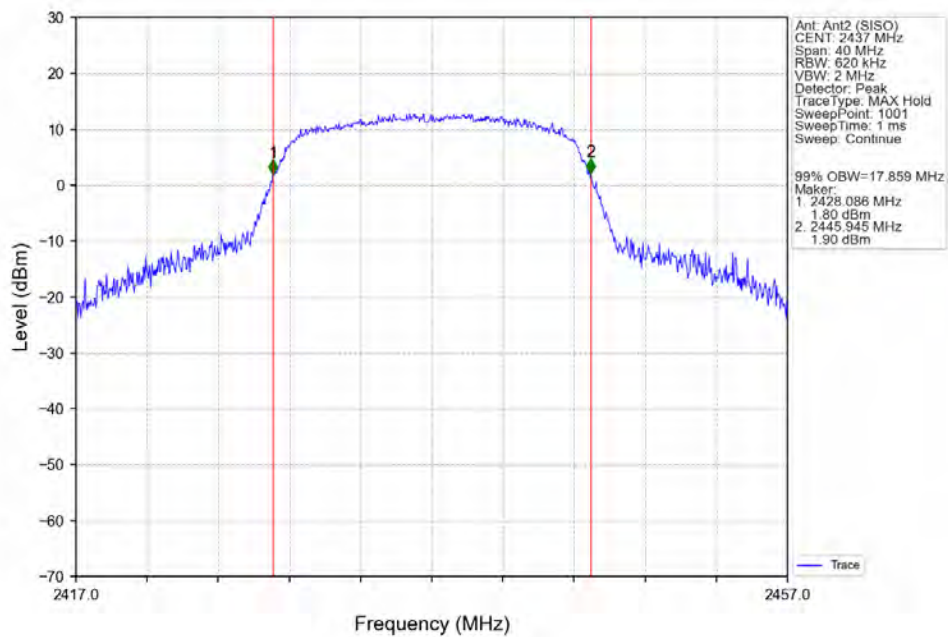
802.11g LCH 2412MHz_Ant2 (SISO)_NTNV



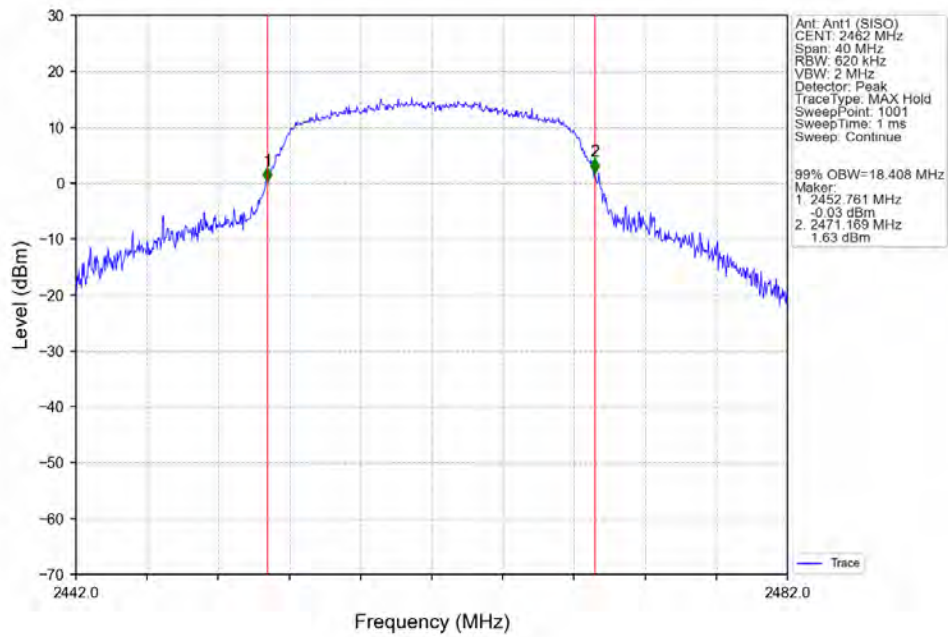
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



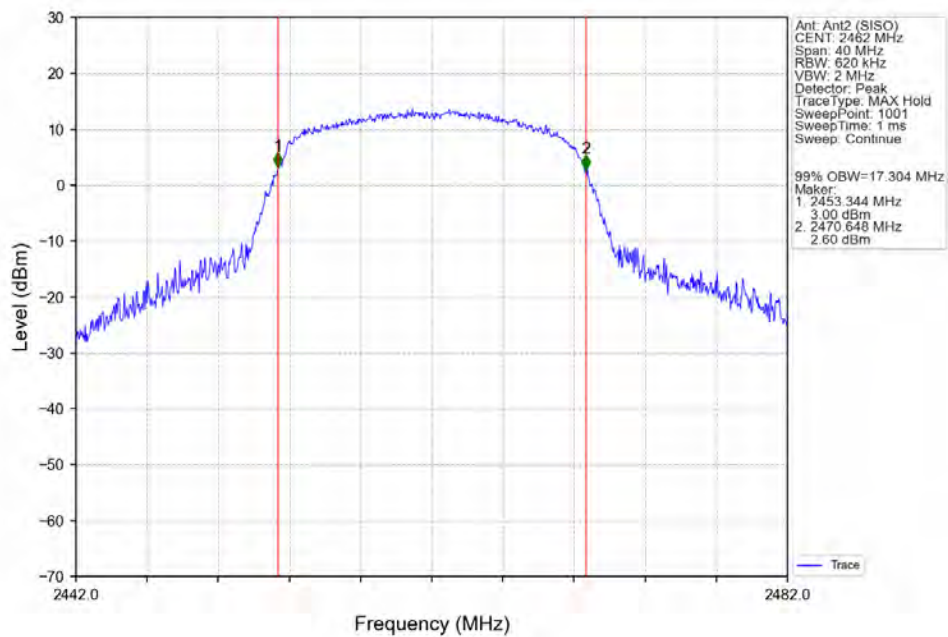
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



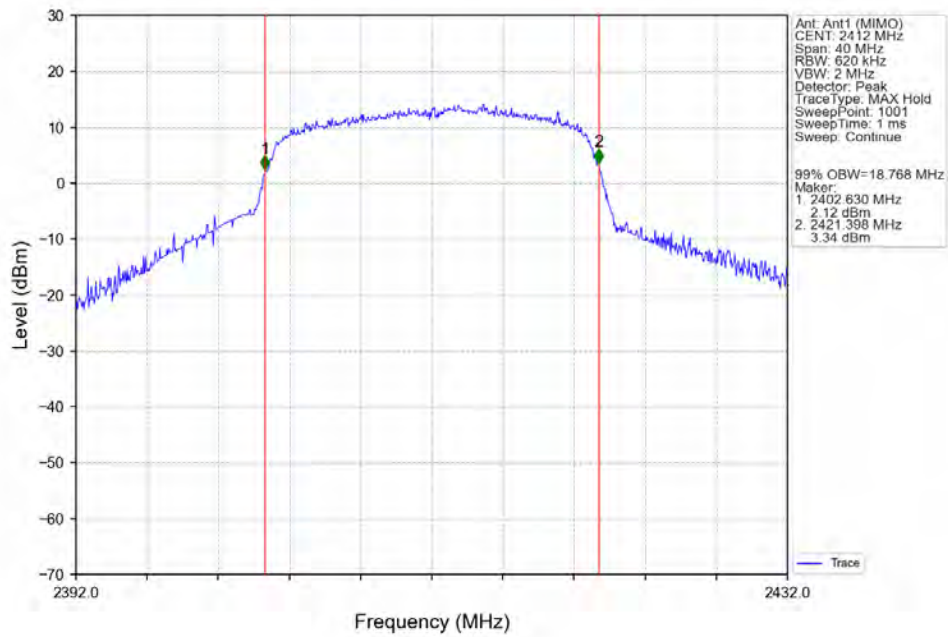
802.11g HCH 2462MHz_Ant1 (SISO)_NTNV



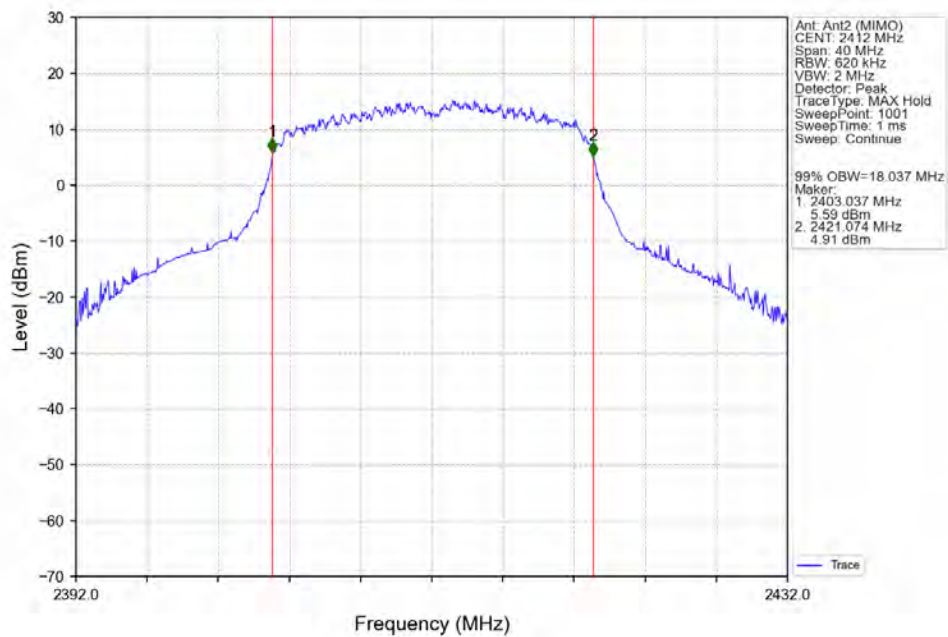
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



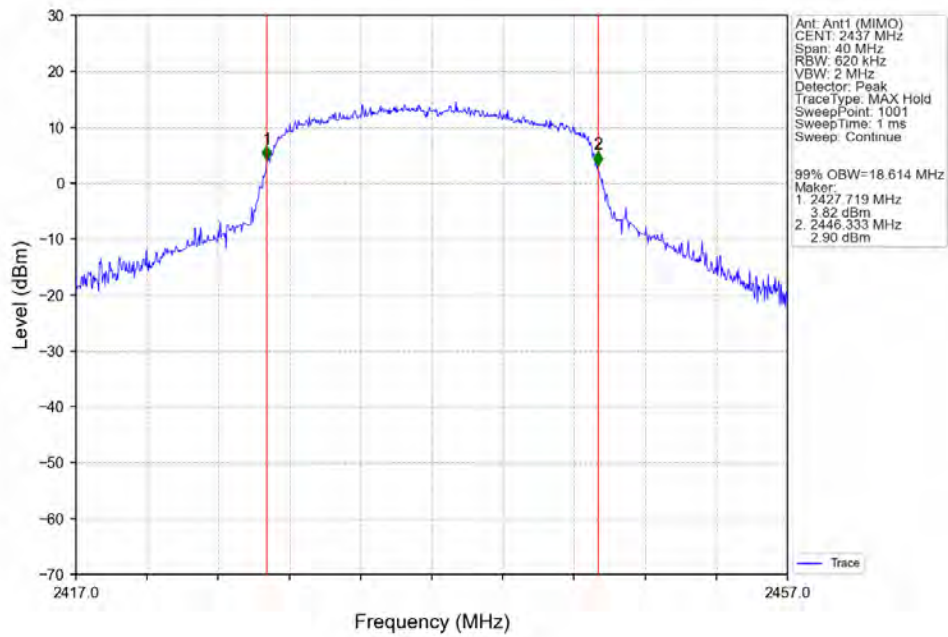
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO) NTNV



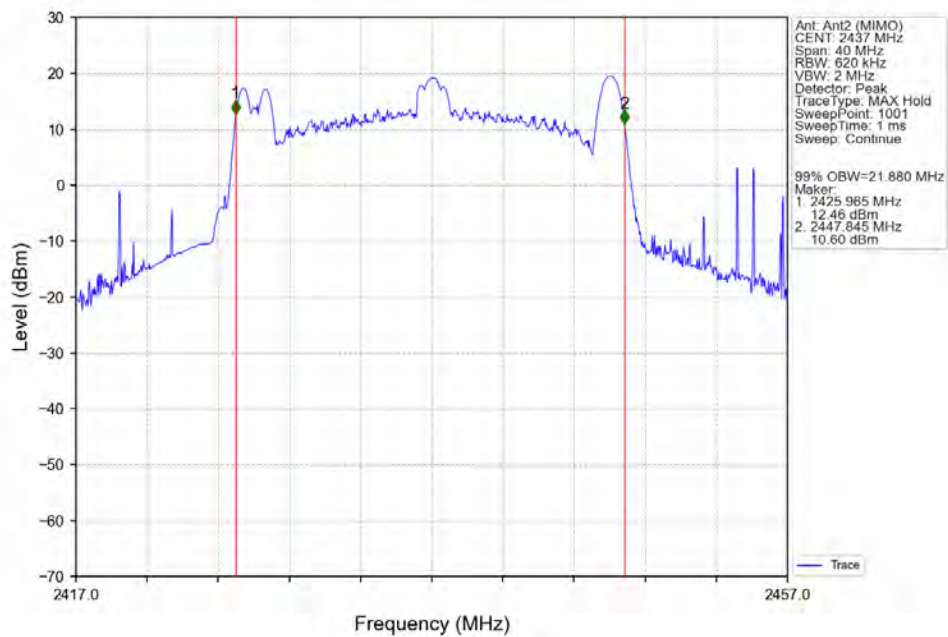
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO) NTNV



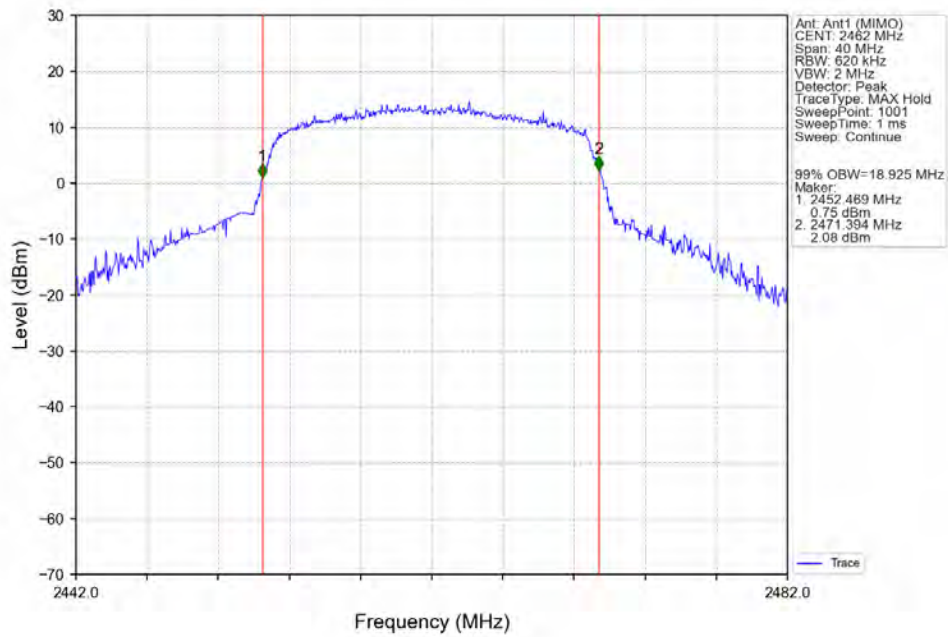
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



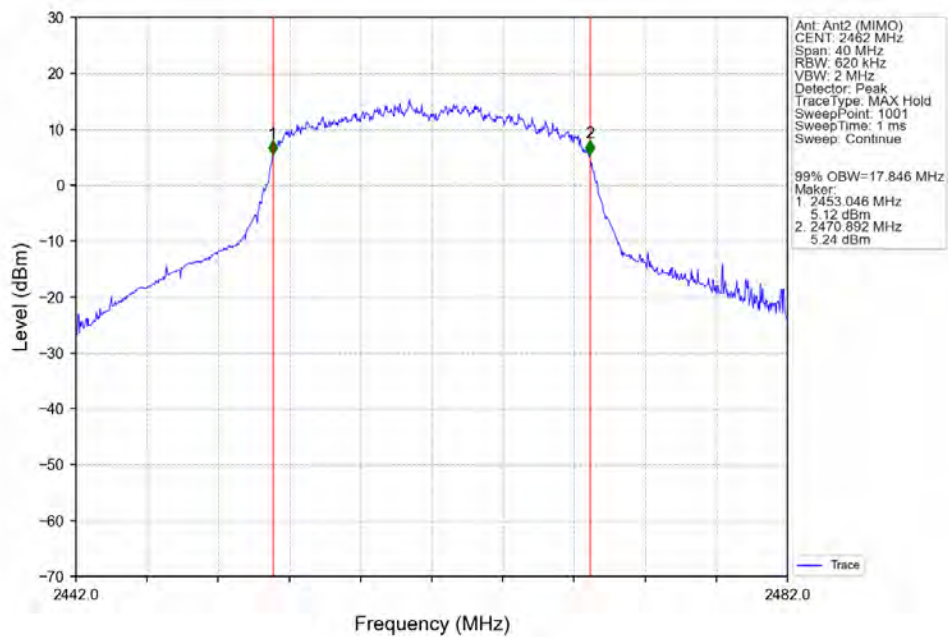
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



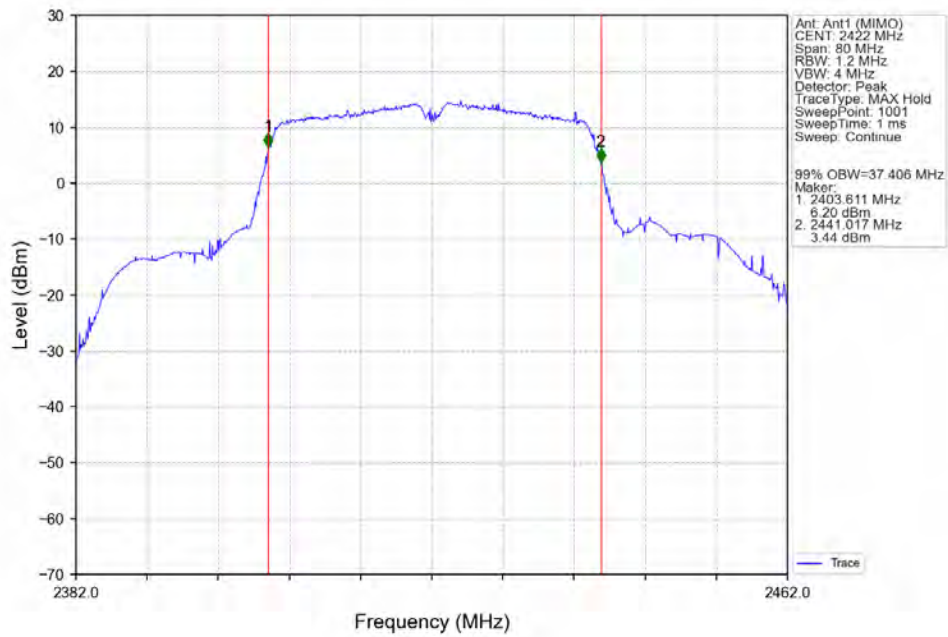
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO) NTN



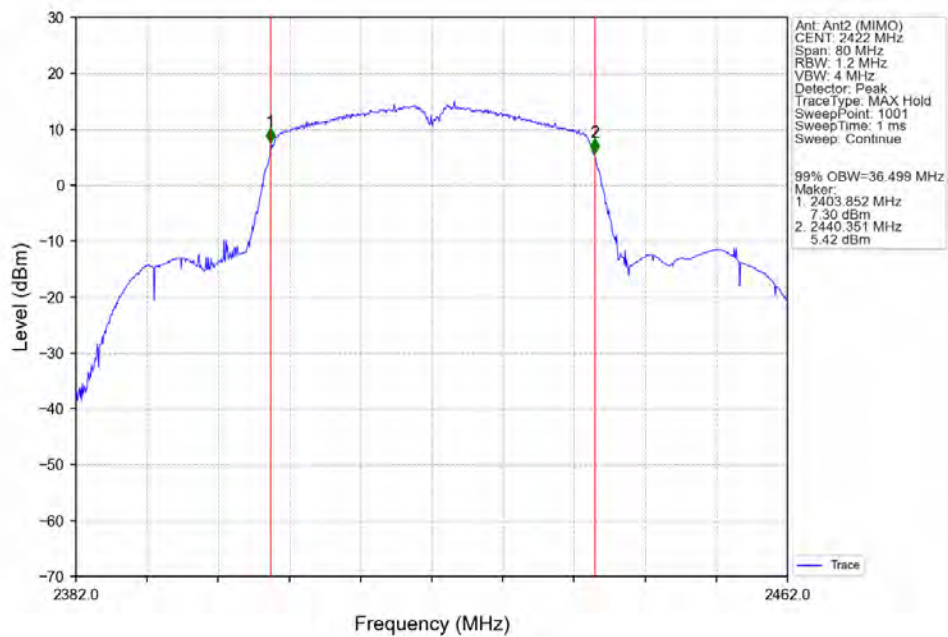
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO) NTN



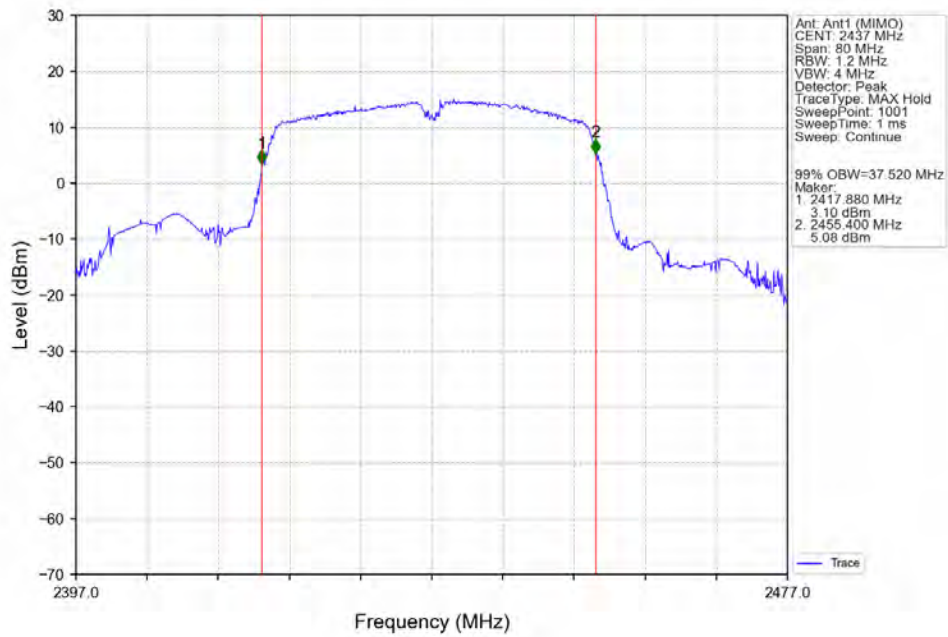
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



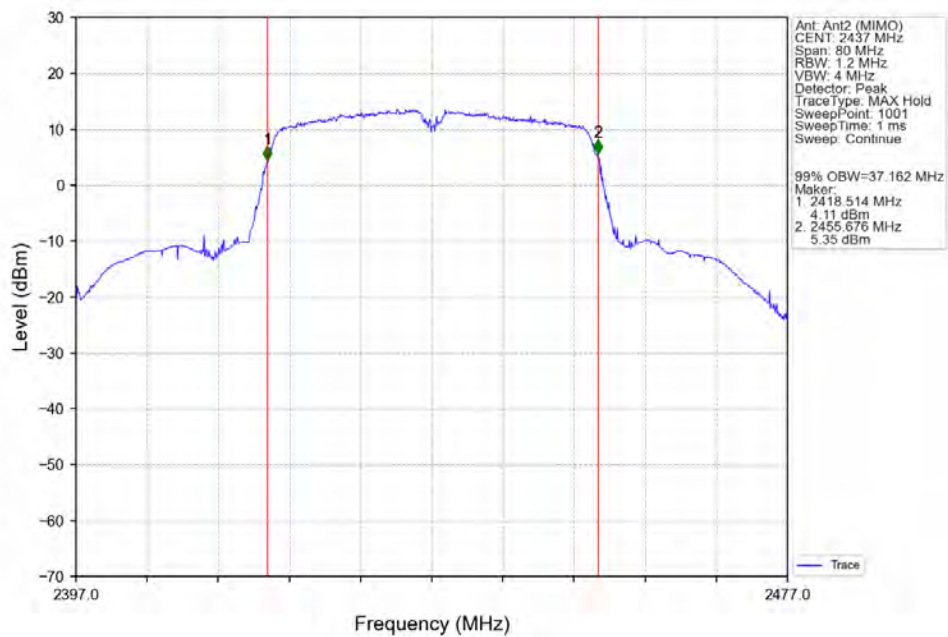
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



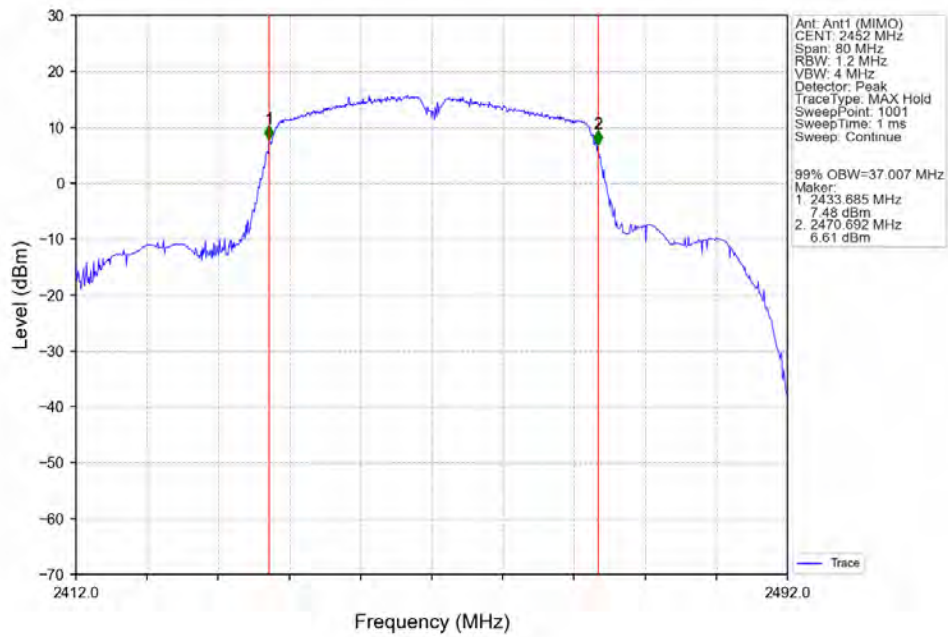
802.11n(HT40) MCH_2437MHz_Ant1 (MIMO) NTN



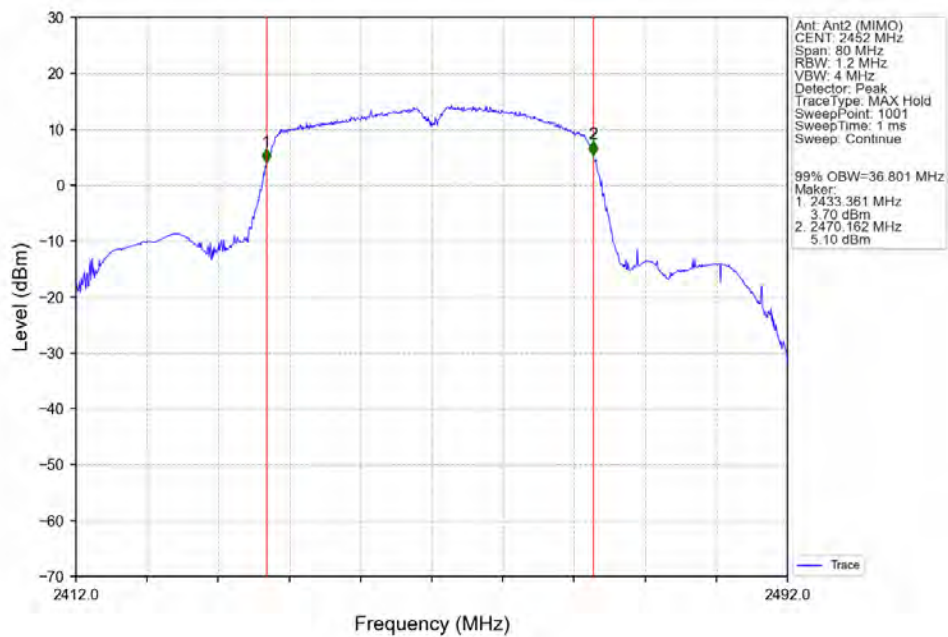
802.11n(HT40) MCH_2437MHz_Ant2 (MIMO) NTN



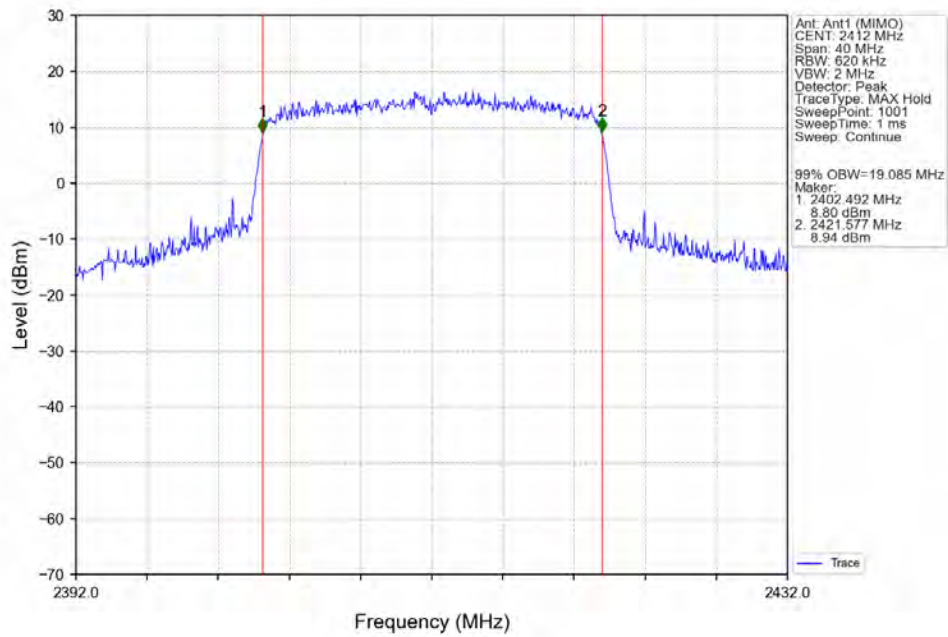
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO)_NTNV



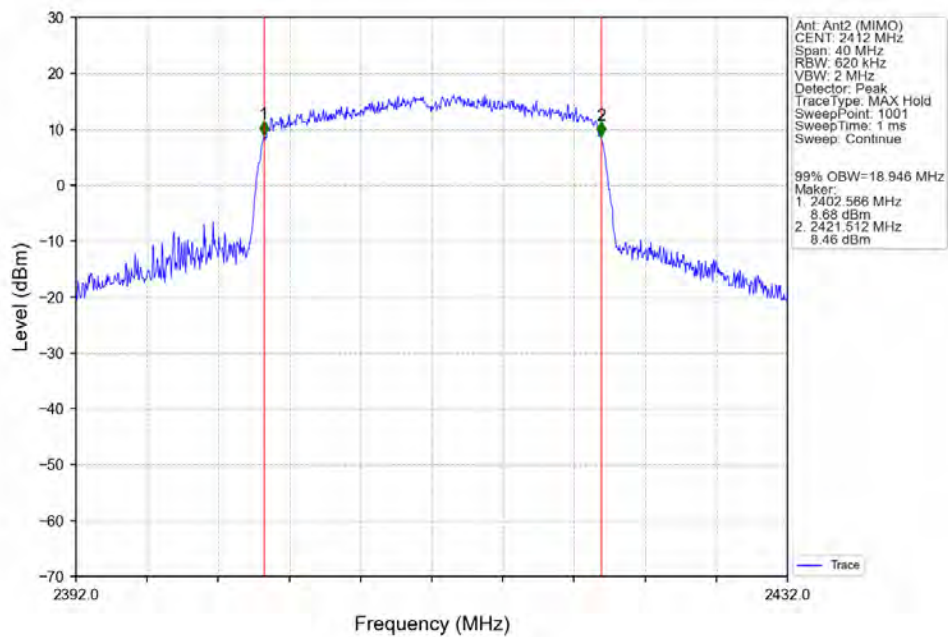
802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



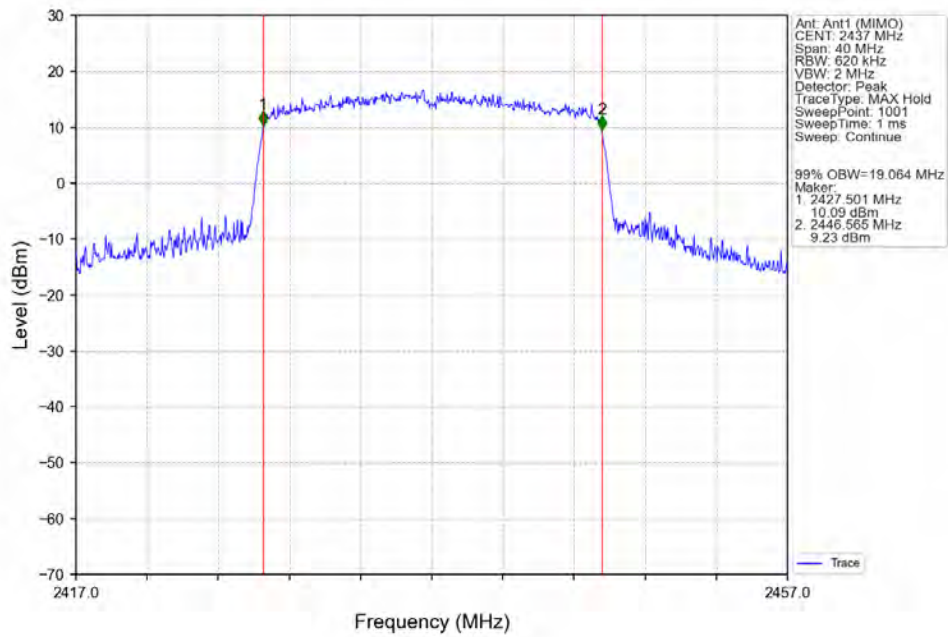
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTN



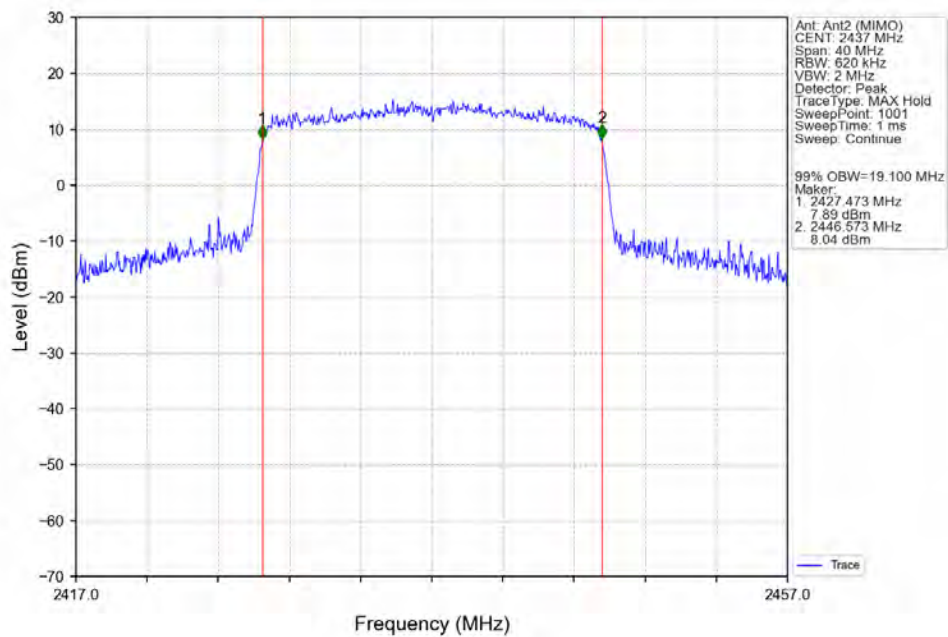
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTN



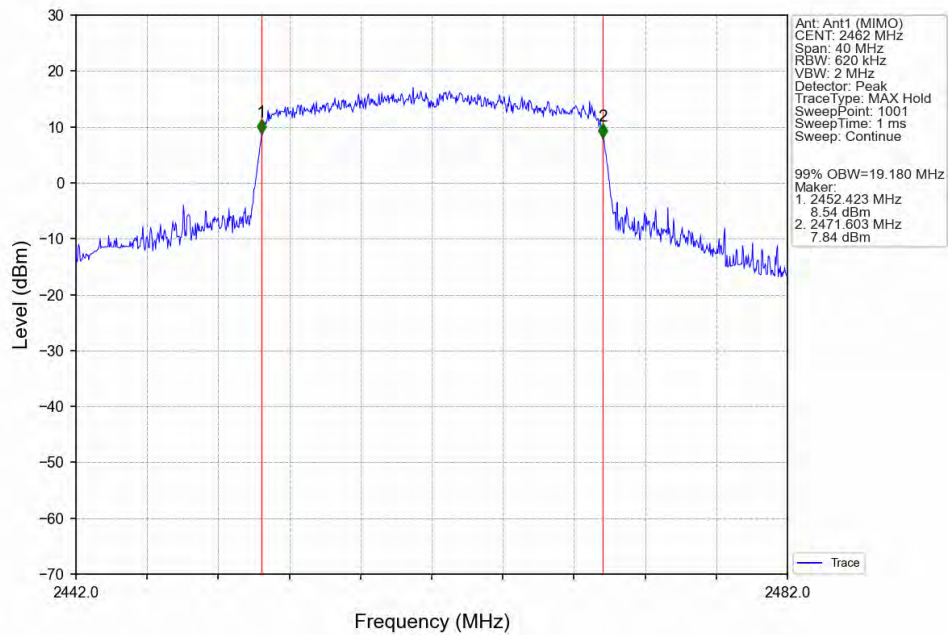
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



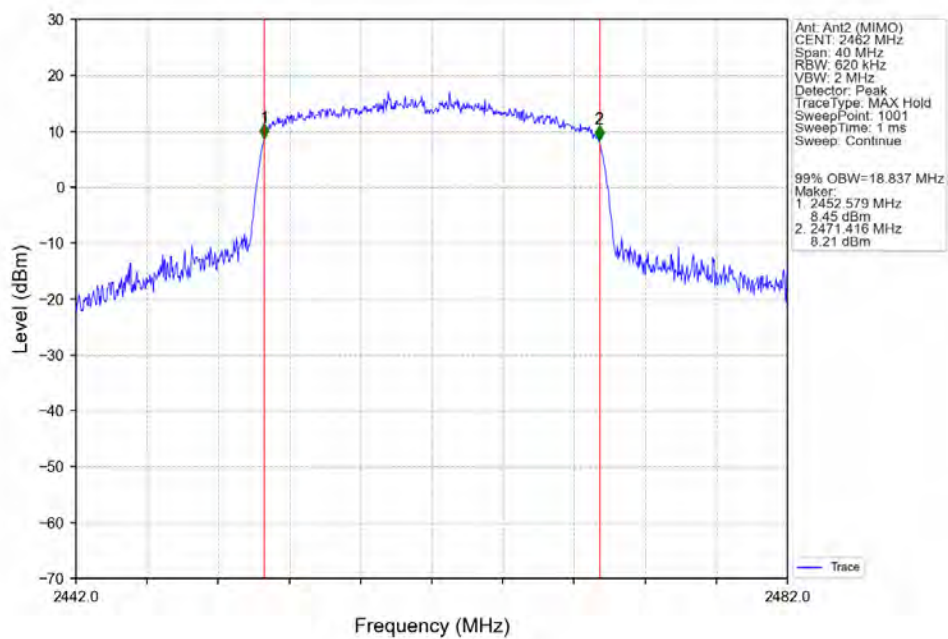
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



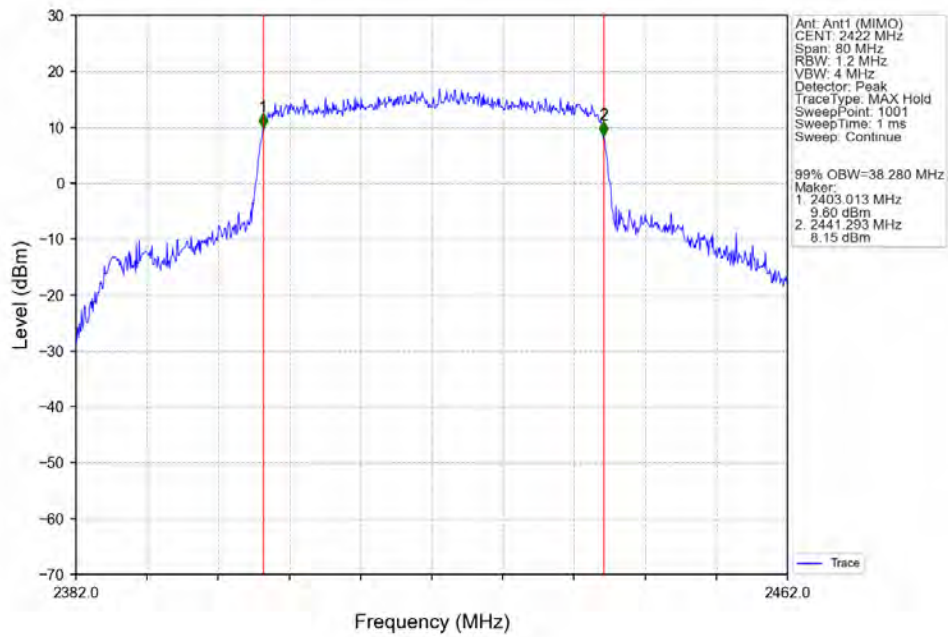
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



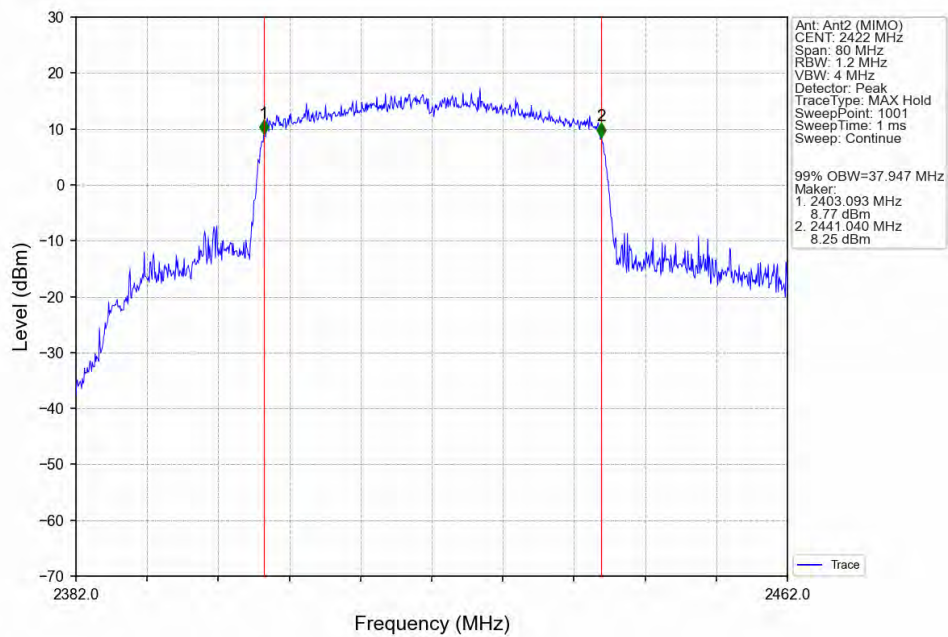
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



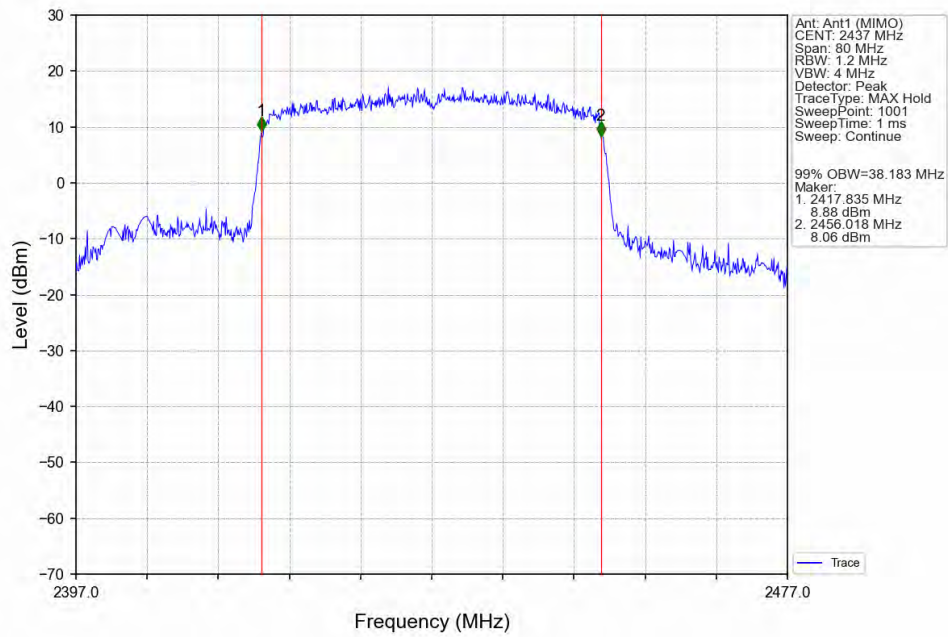
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



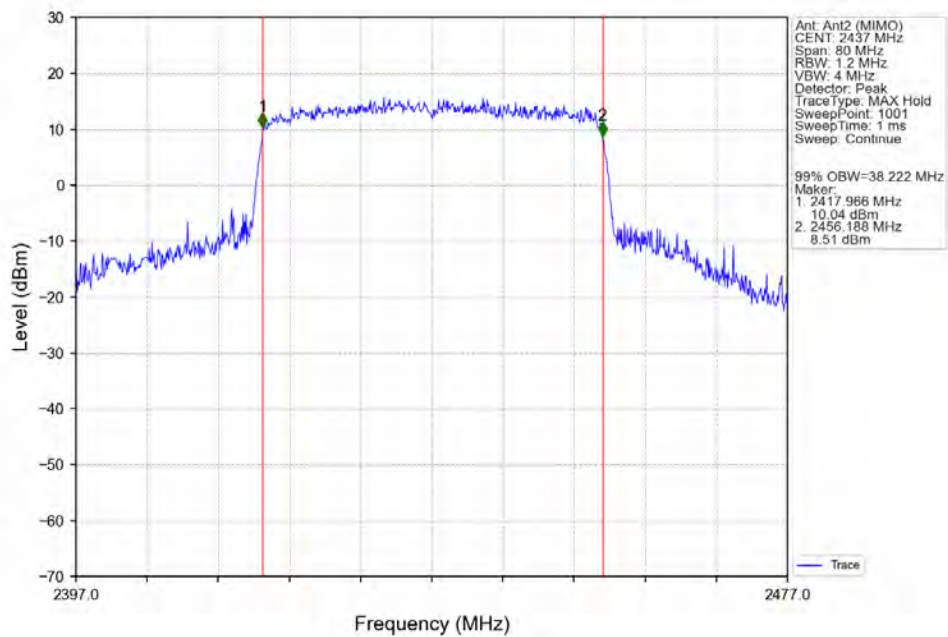
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



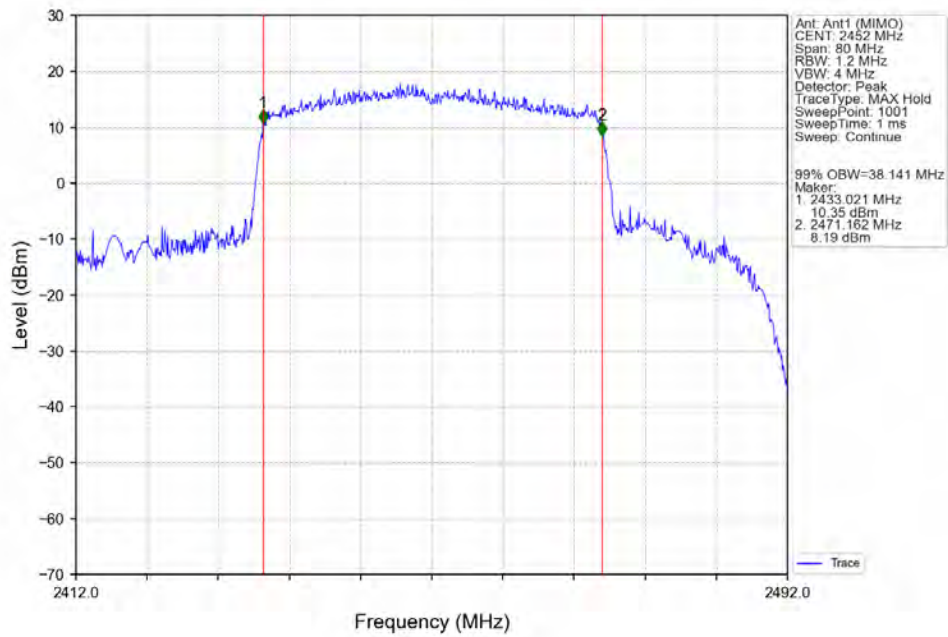
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (MIMO) NTVN



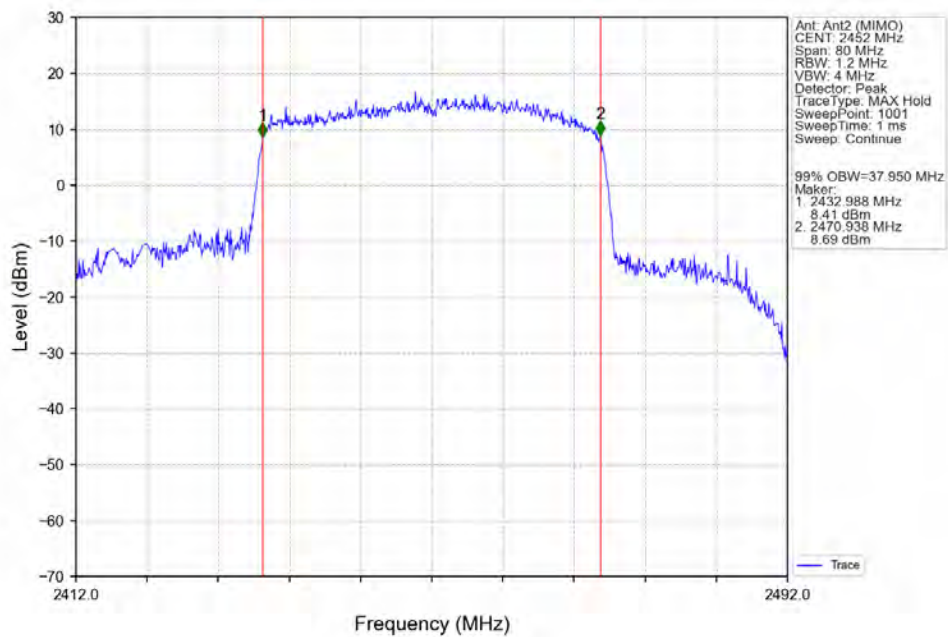
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant2 (MIMO) NTVN



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV

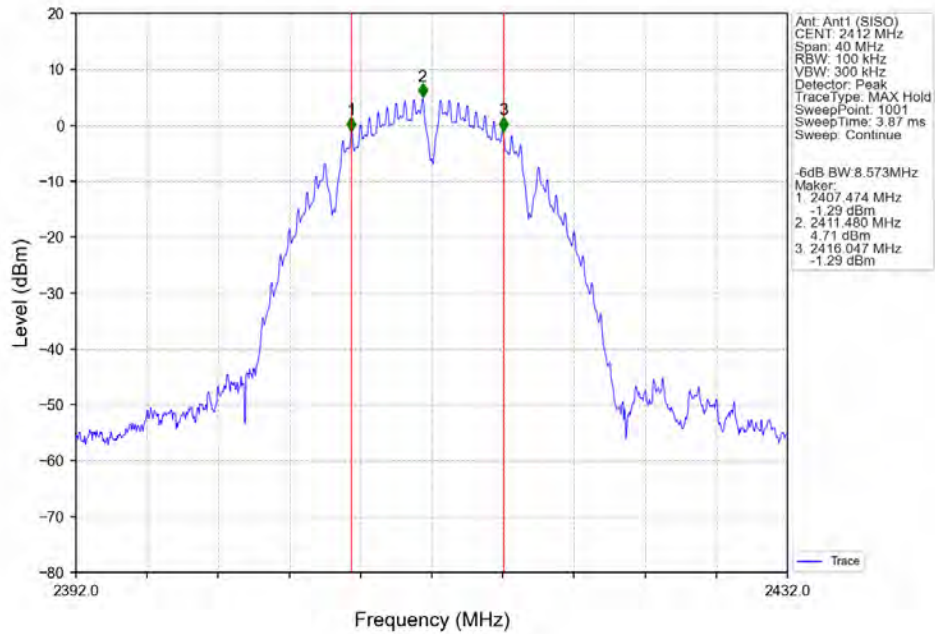


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV

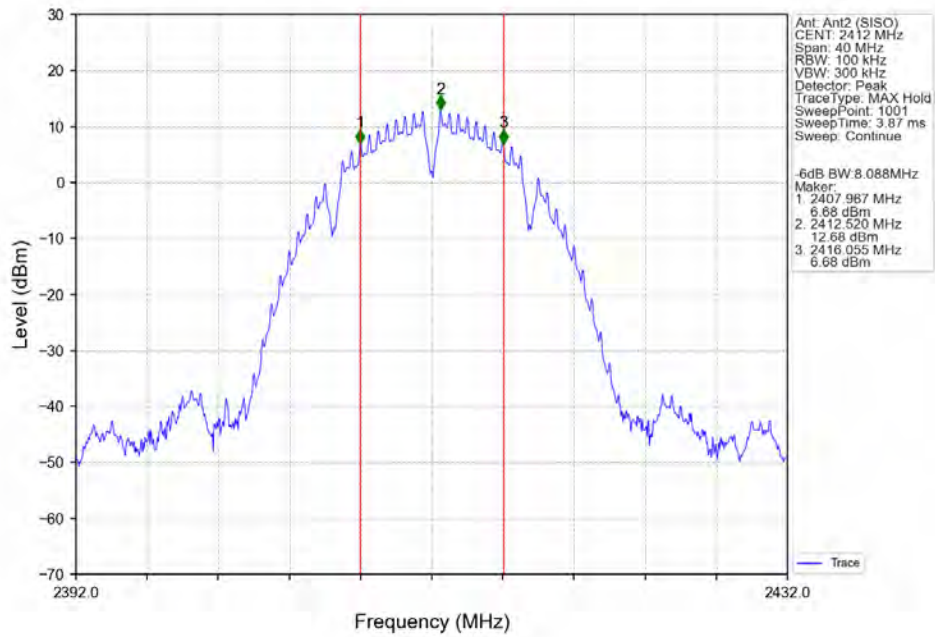


2.2.2 6dB BW

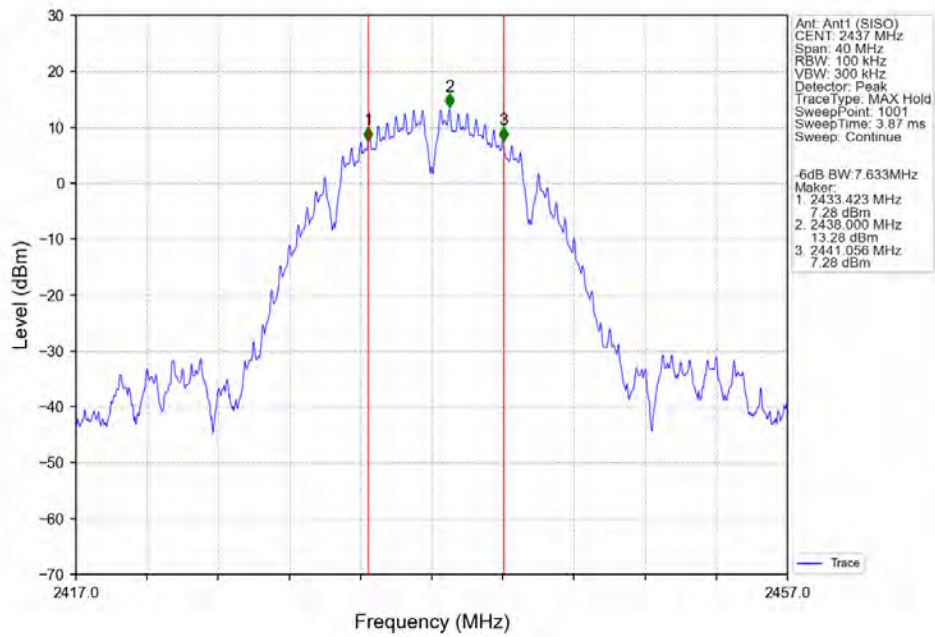
802.11b LCH 2412MHz Ant1 (SISO) NTN



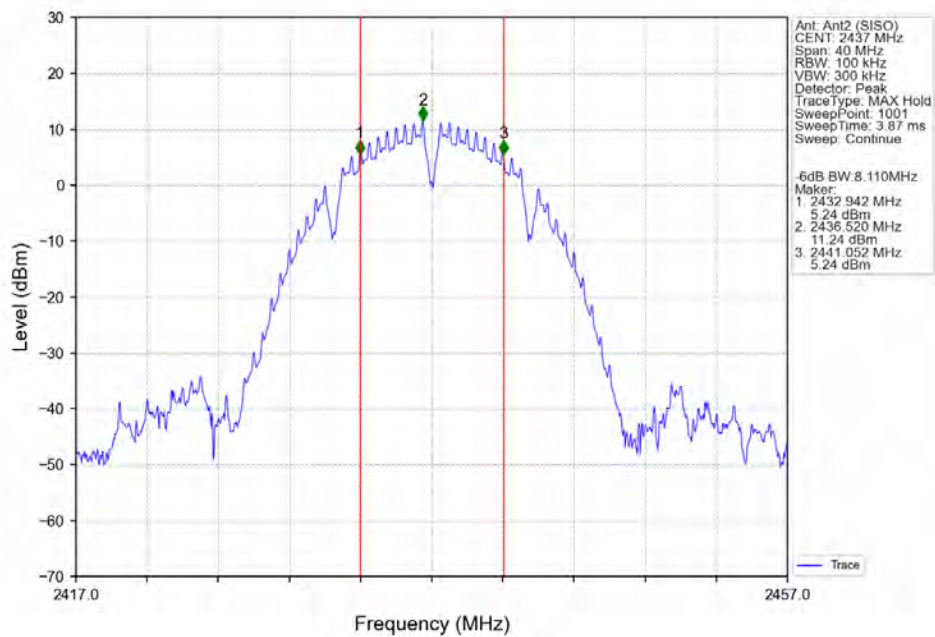
802.11b LCH 2412MHz Ant2 (SISO) NTN



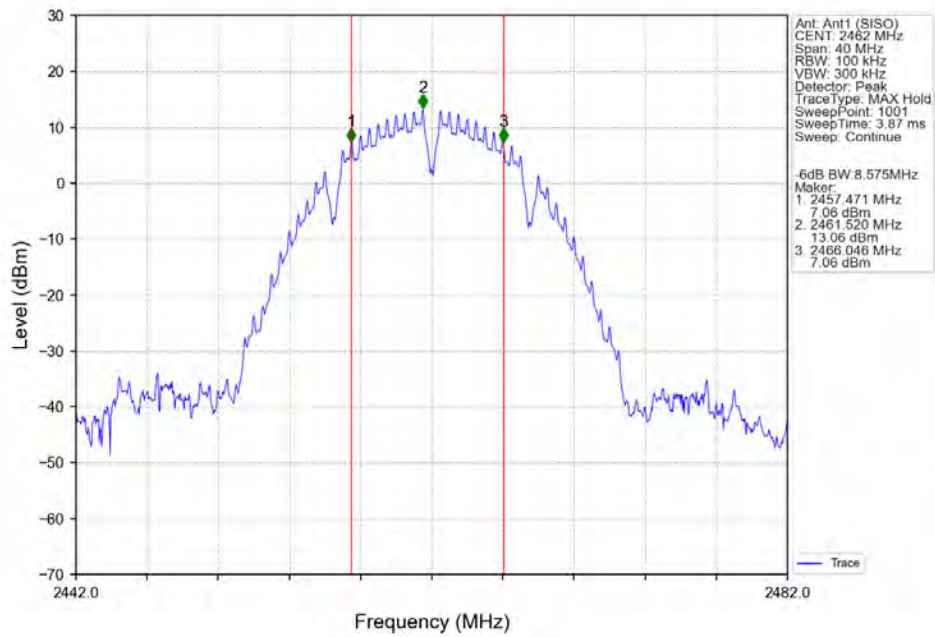
802.11b MCH_2437MHz_Ant1 (SISO)_NTNV



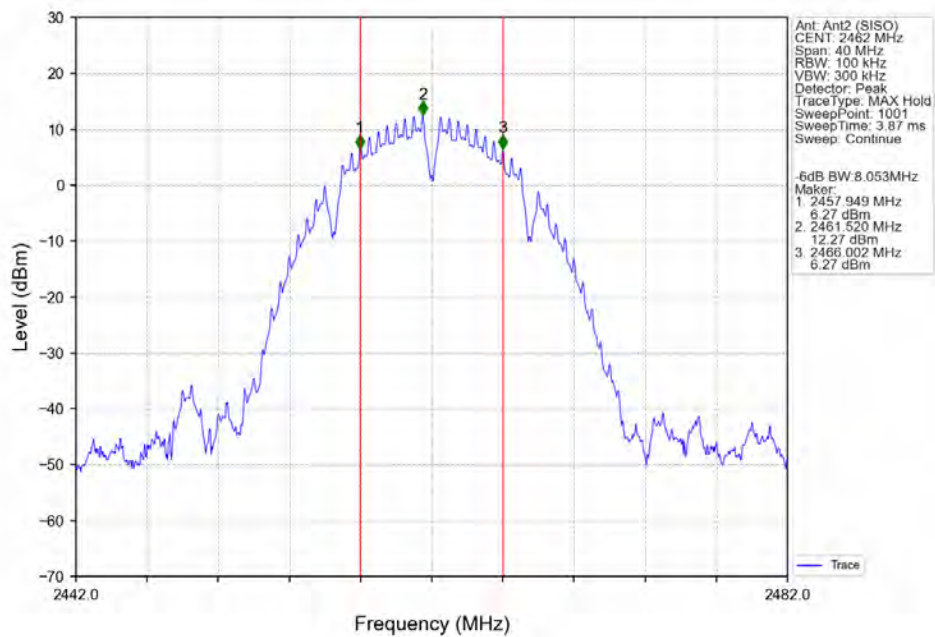
802.11b MCH_2437MHz_Ant2 (SISO)_NTNV



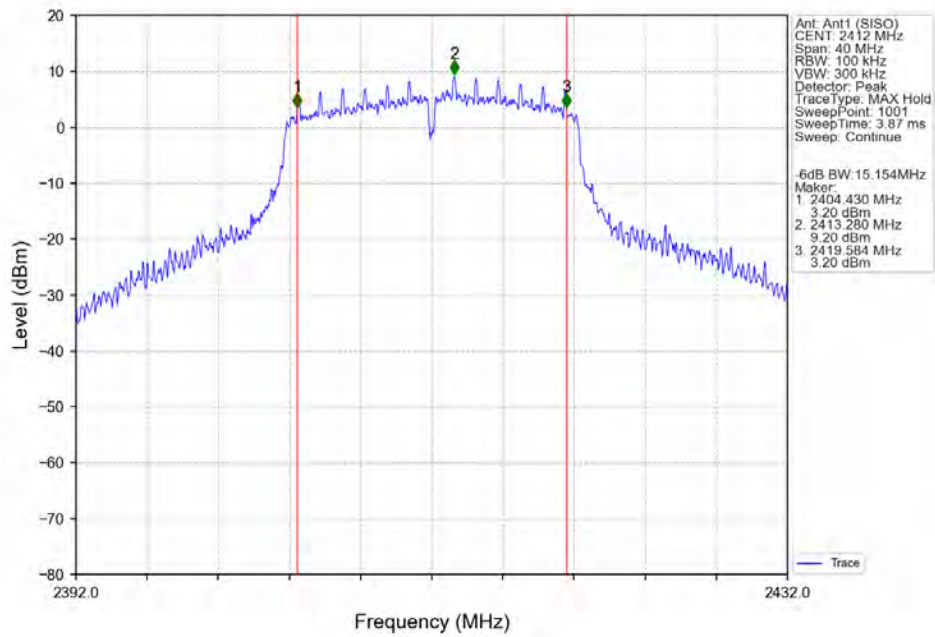
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



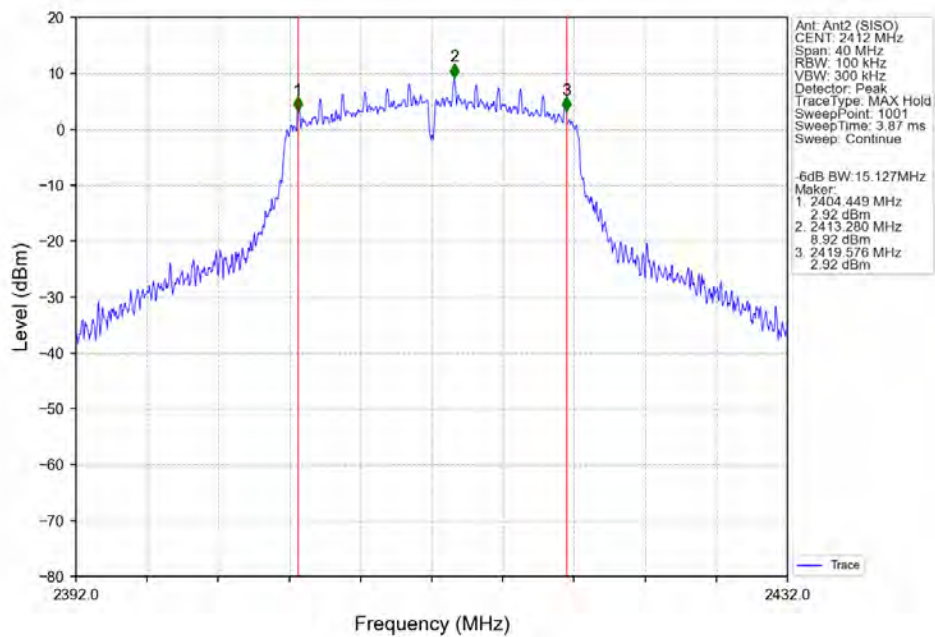
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



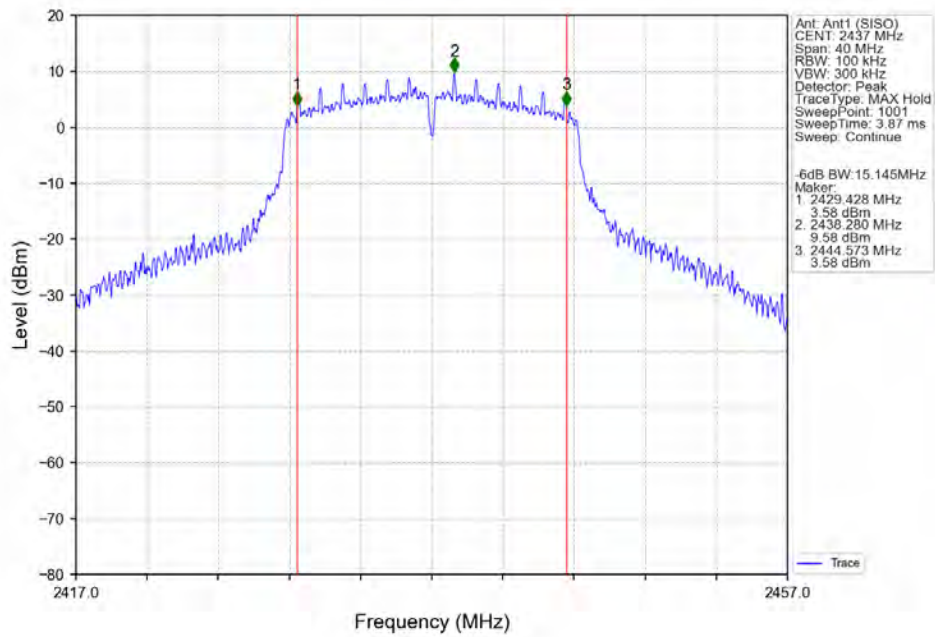
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



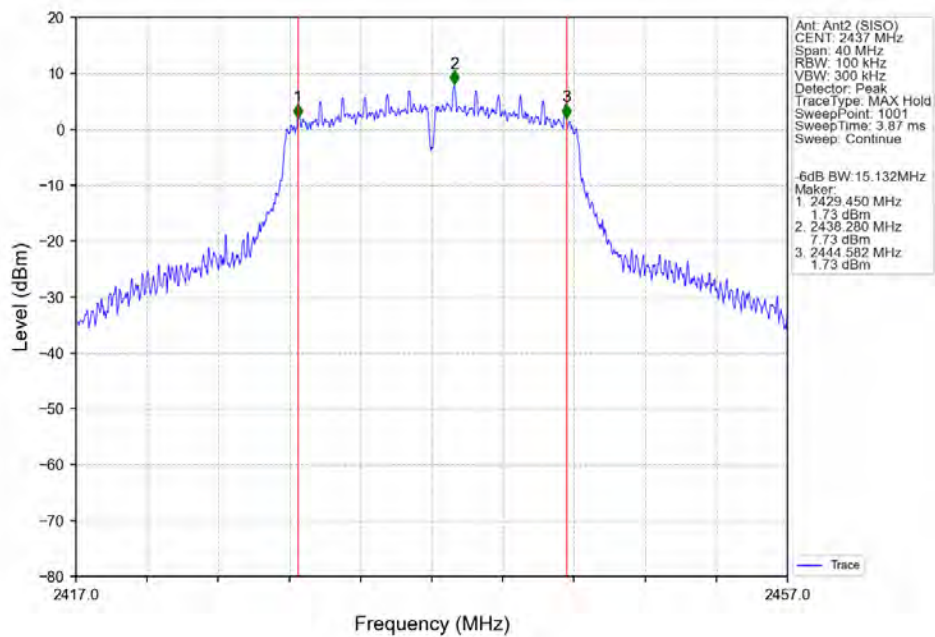
802.11g LCH 2412MHz_Ant2 (SISO)_NTNV



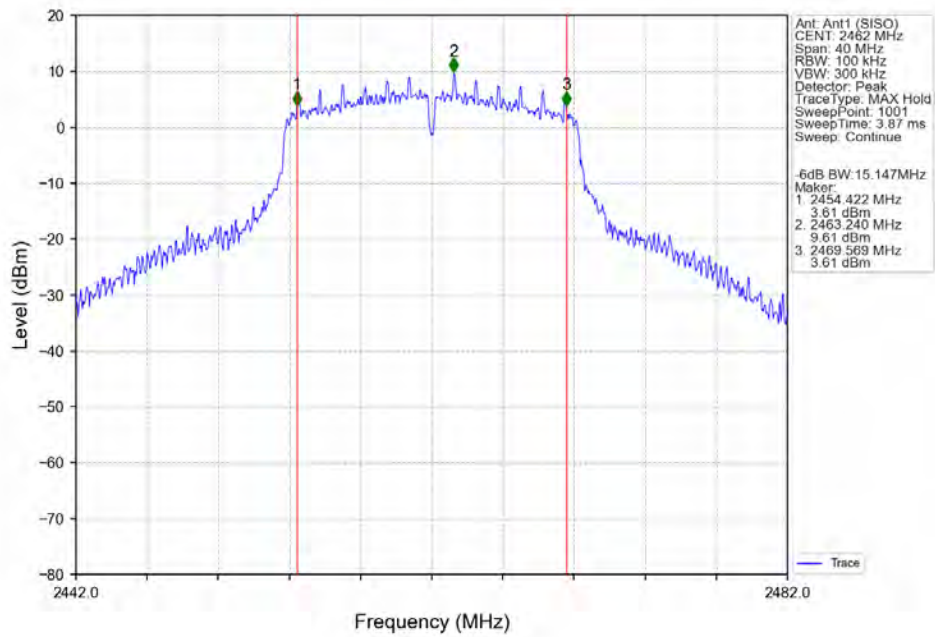
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



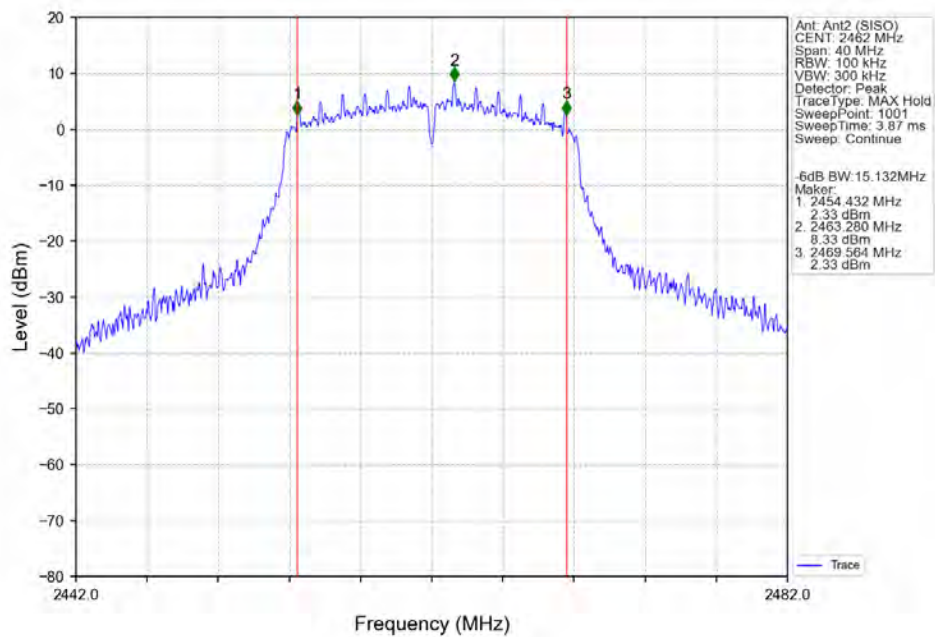
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



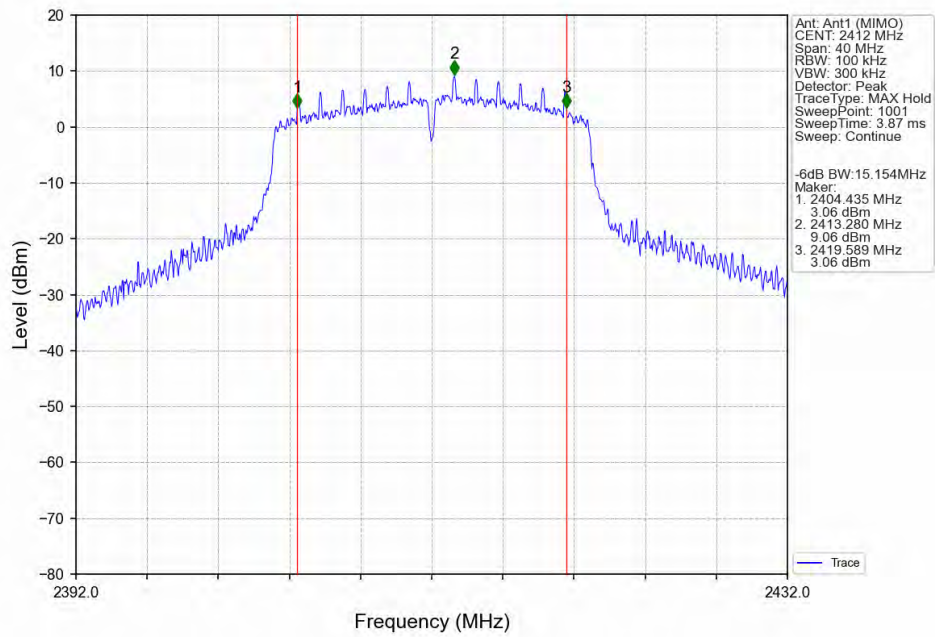
802.11g HCH 2462MHz_Ant1 (SISO)_NTNV



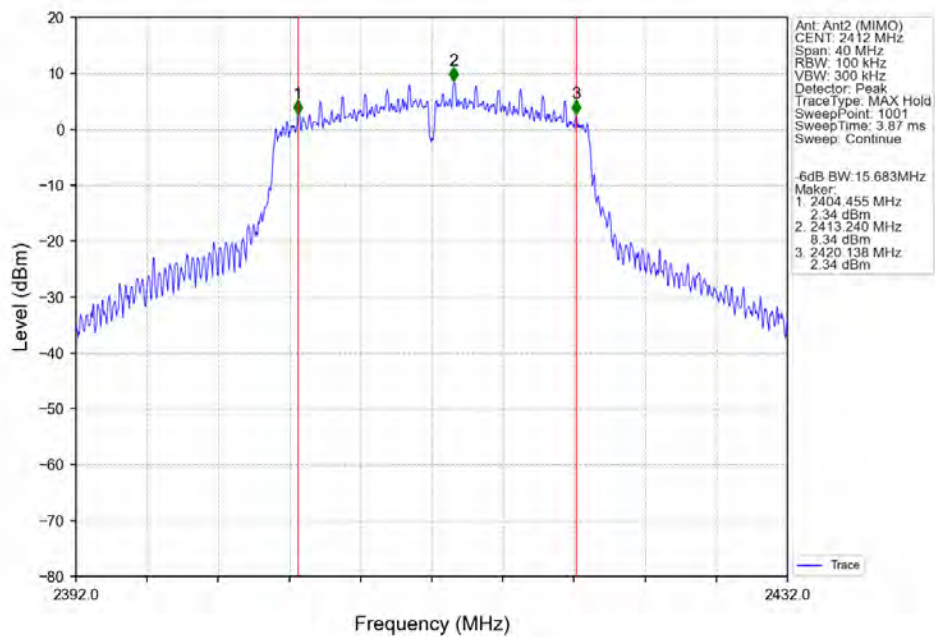
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



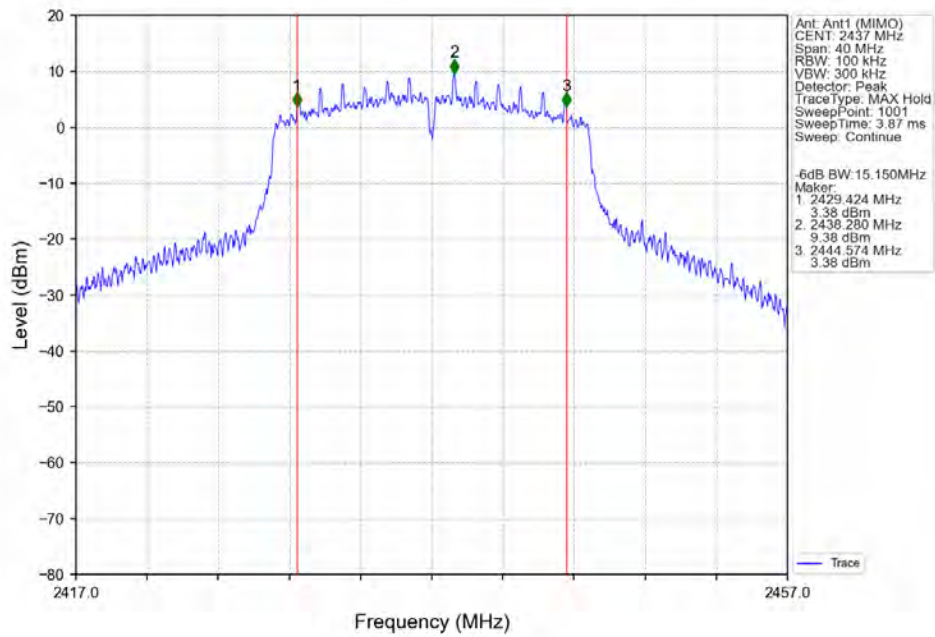
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO)_NTNV



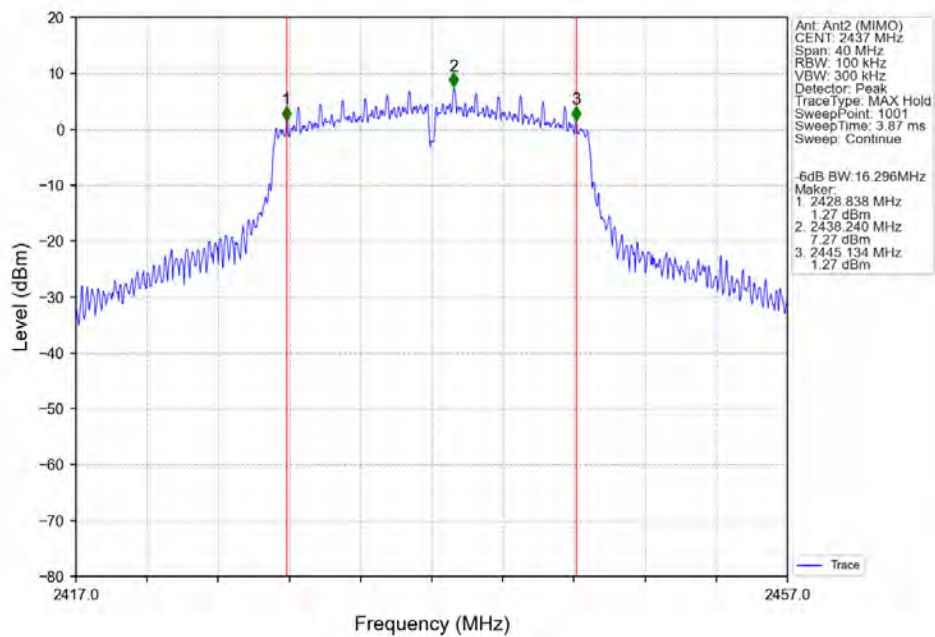
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO)_NTNV



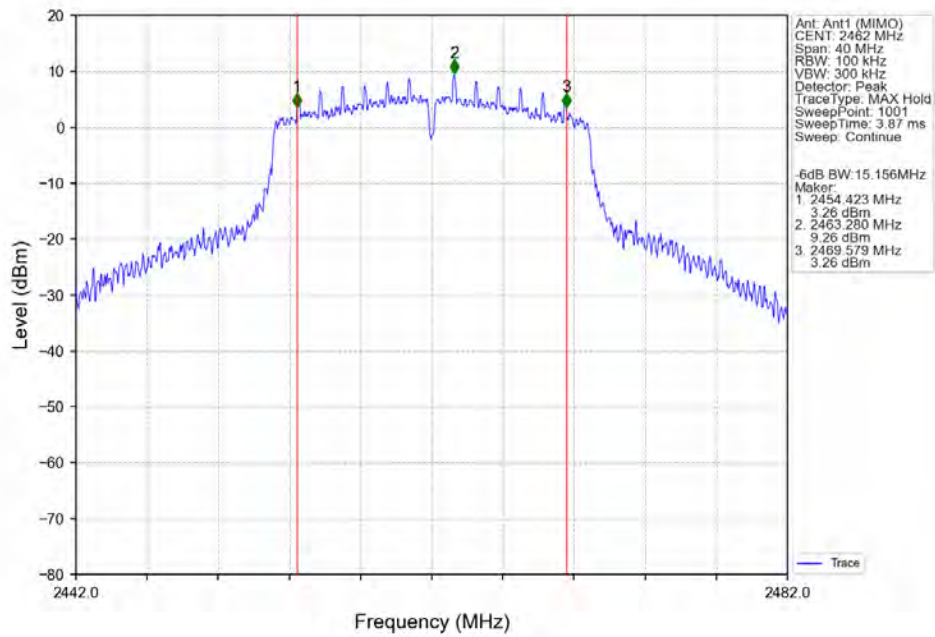
802.11n(HT20) MCH_2437MHz_Ant1 (MIMO) NTNV



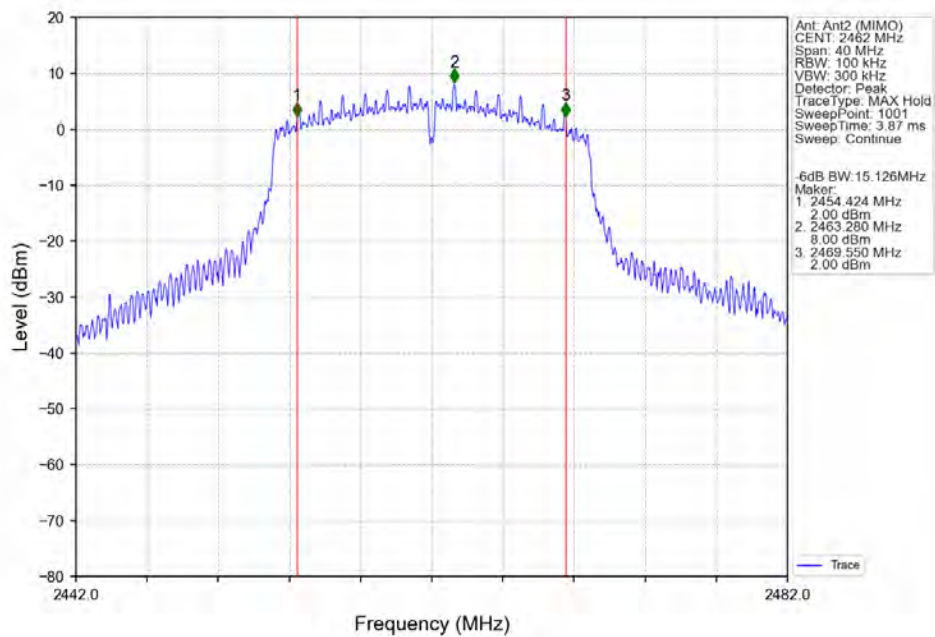
802.11n(HT20) MCH_2437MHz_Ant2 (MIMO) NTNV



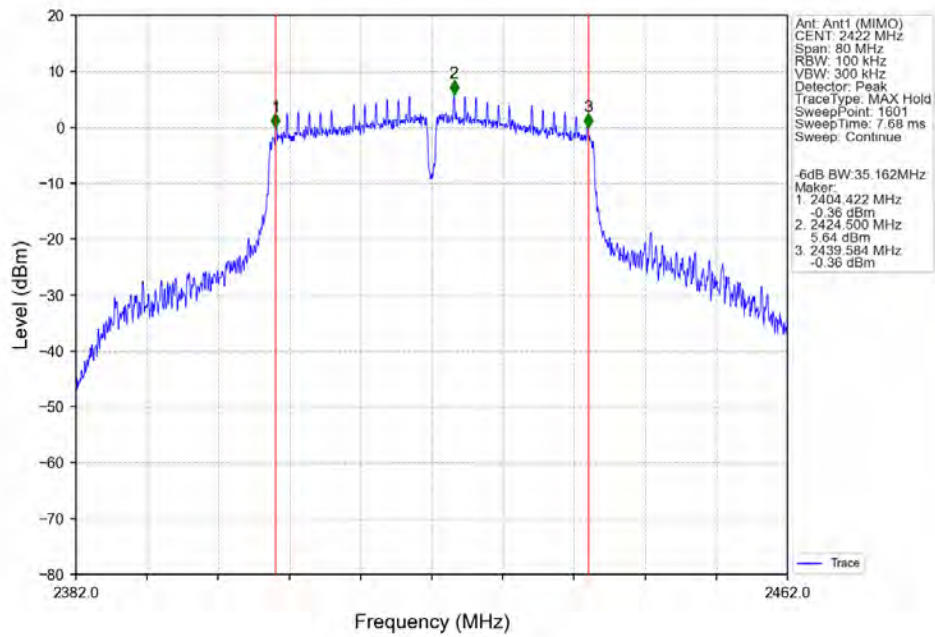
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO)_NTNV



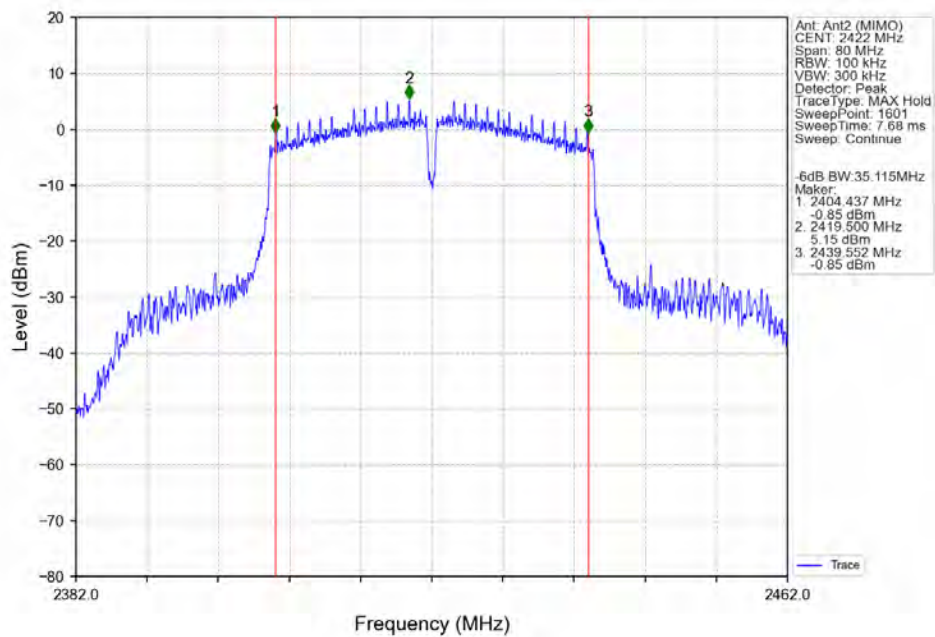
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO)_NTNV



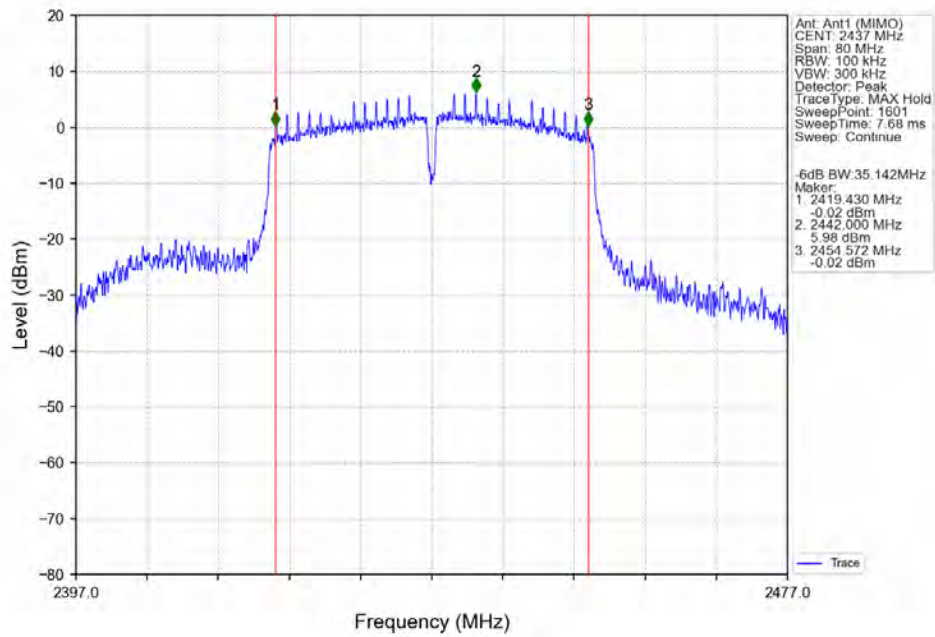
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



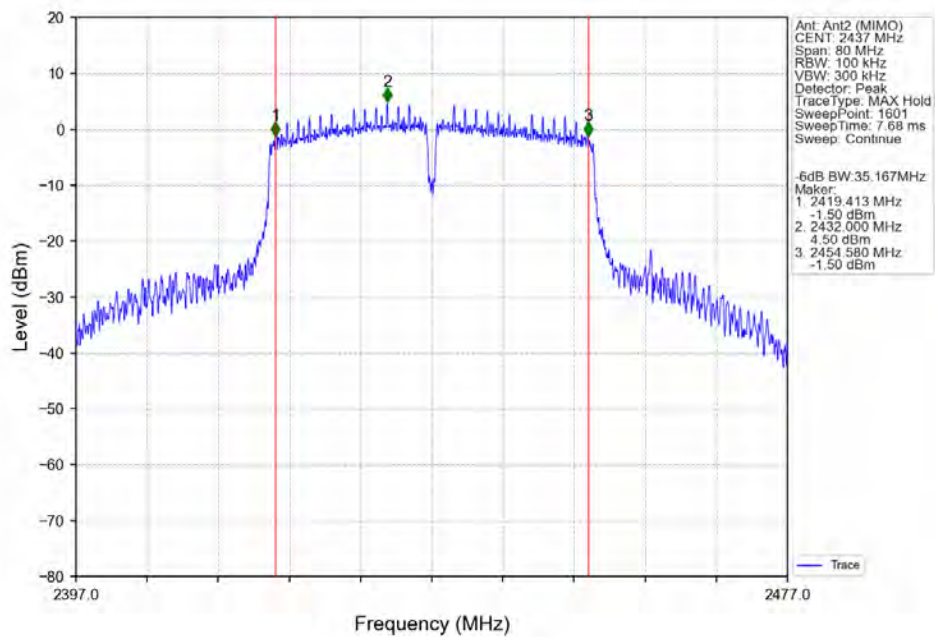
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



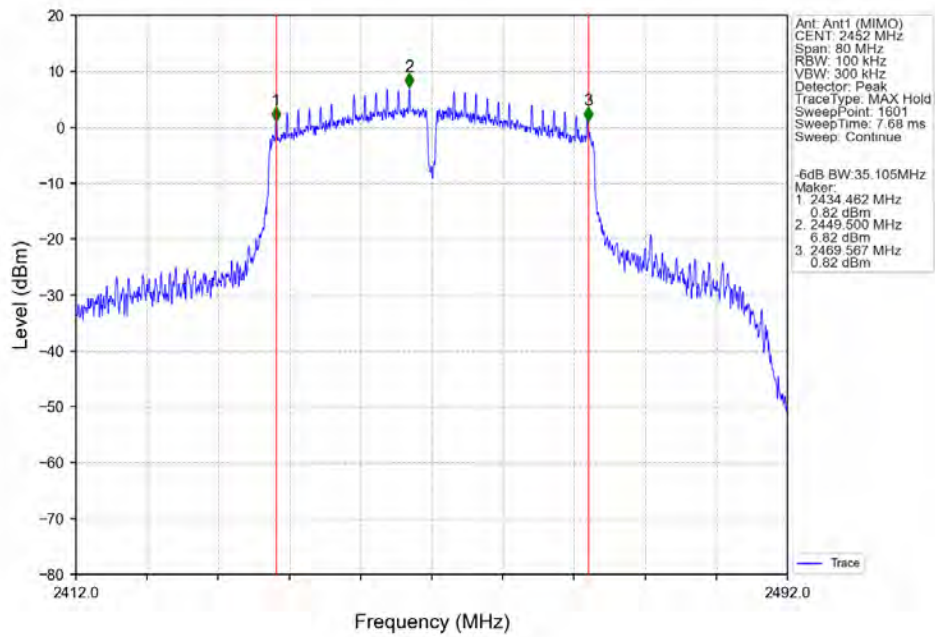
802.11n(HT40) MCH_2437MHz_Ant1 (MIMO) NTNv



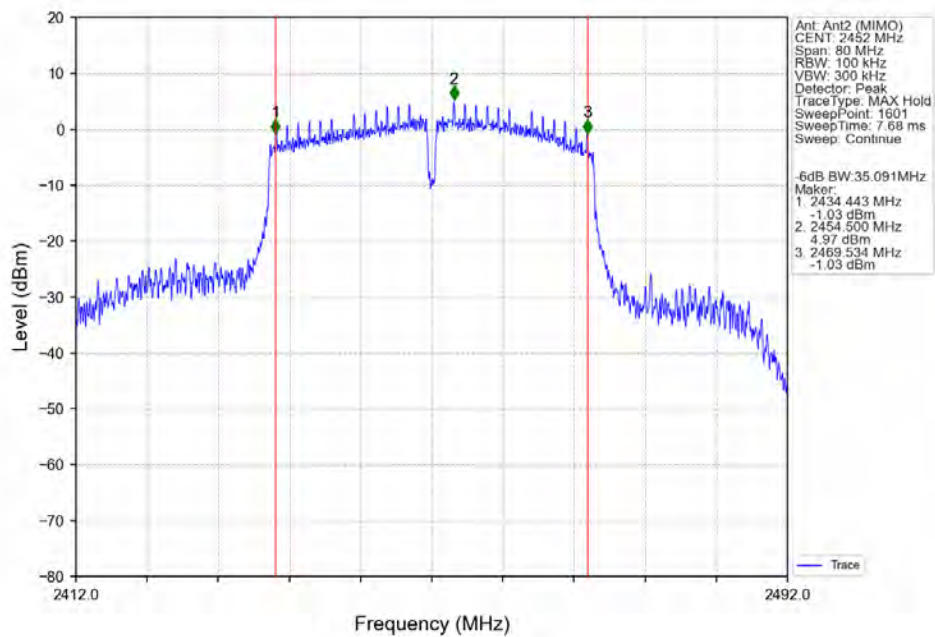
802.11n(HT40) MCH_2437MHz_Ant2 (MIMO) NTNv



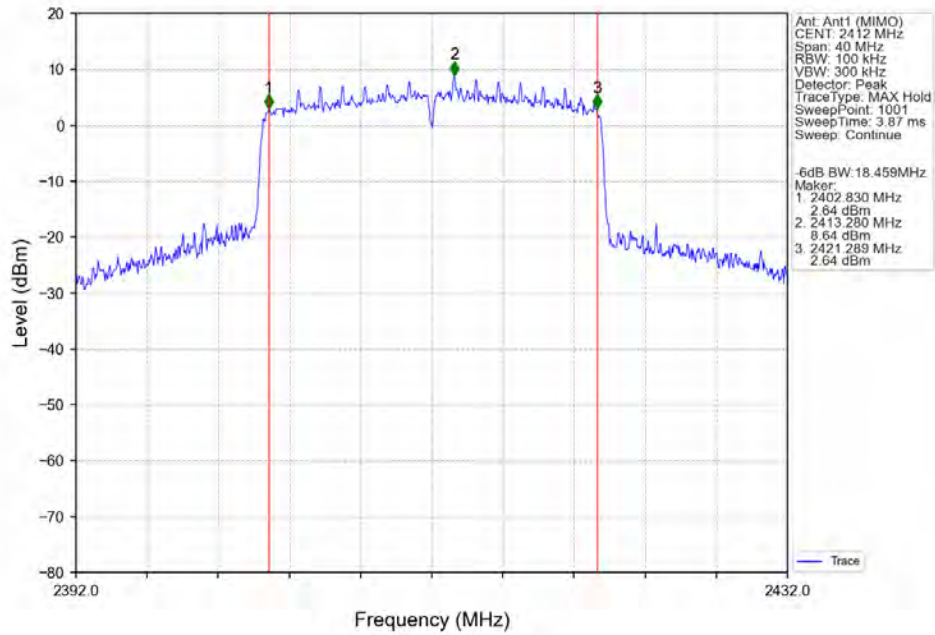
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO)_NTNV



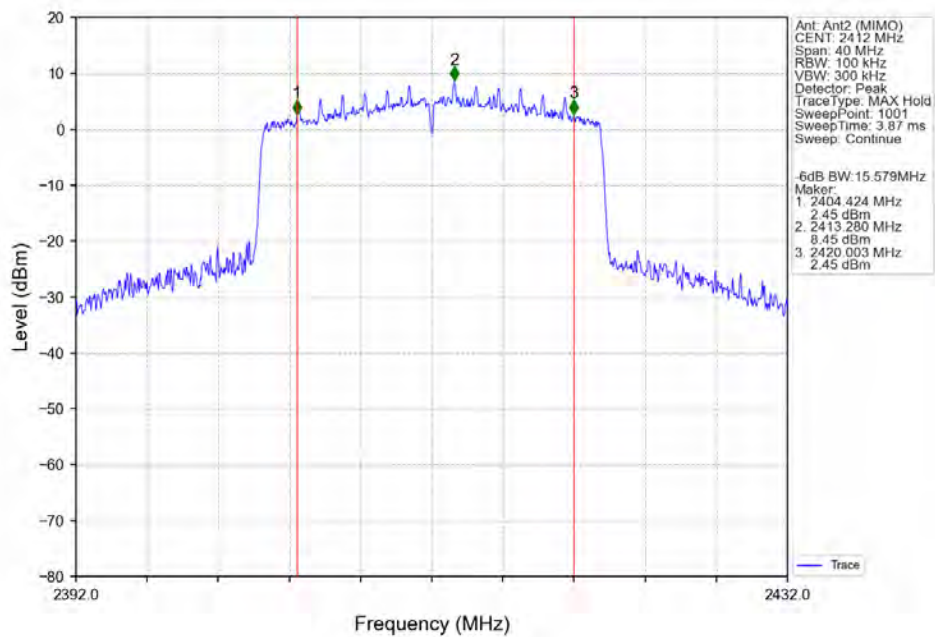
802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



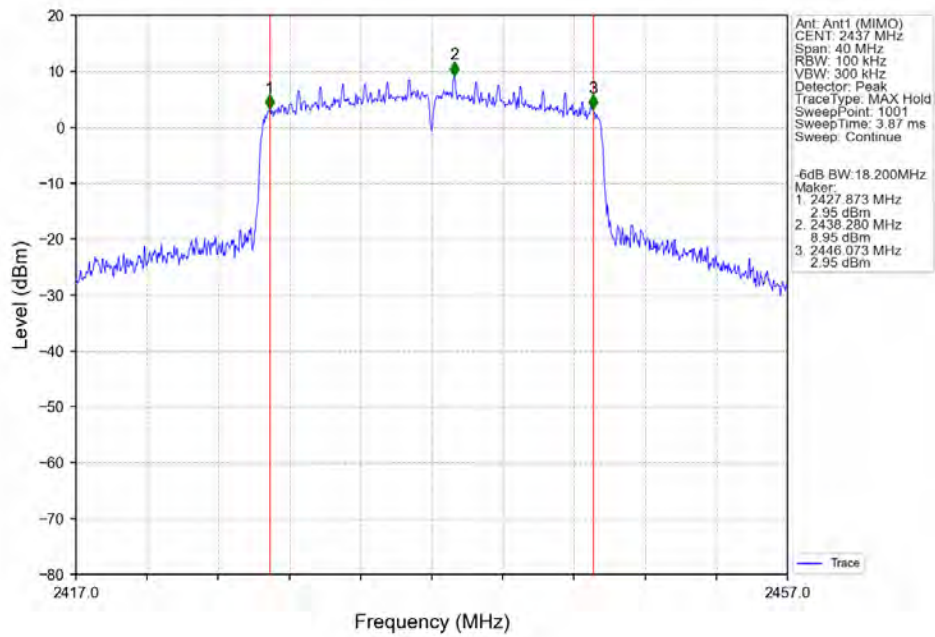
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNV



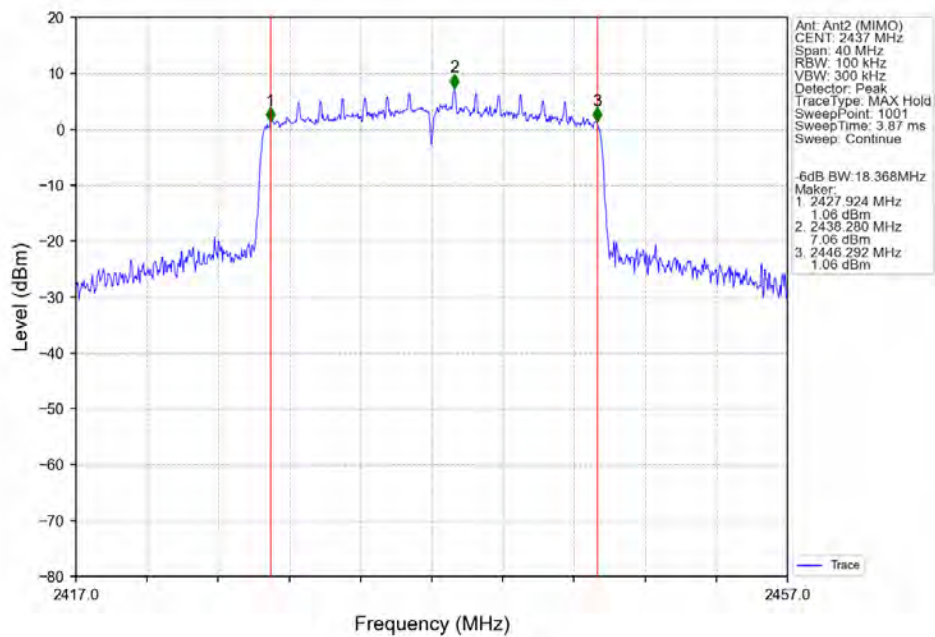
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTNV



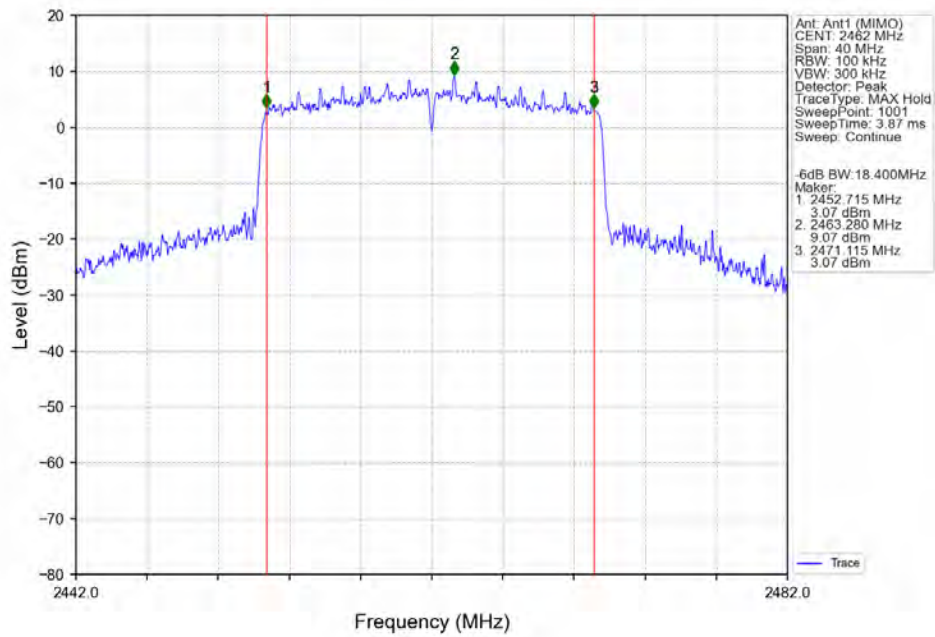
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



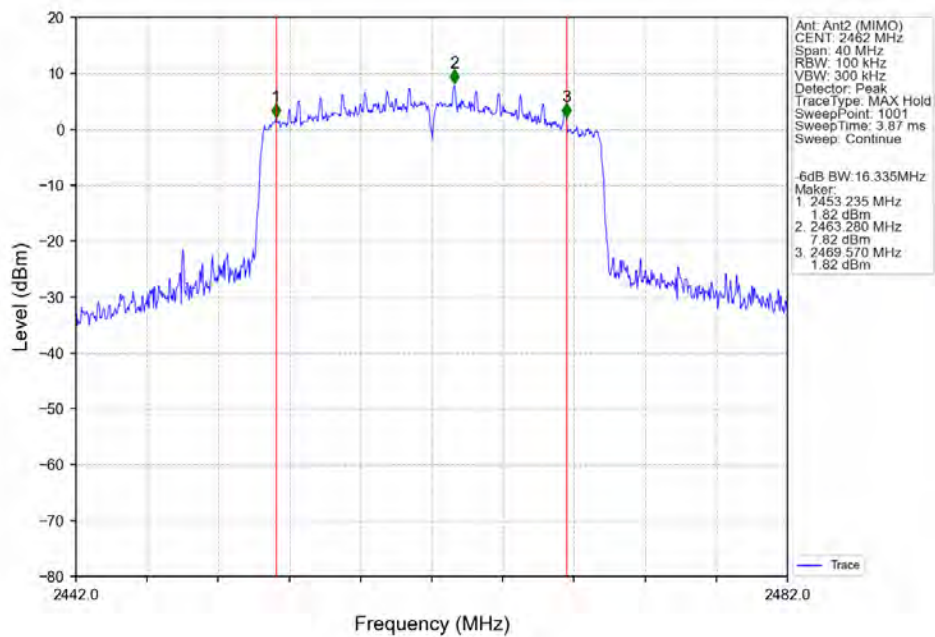
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



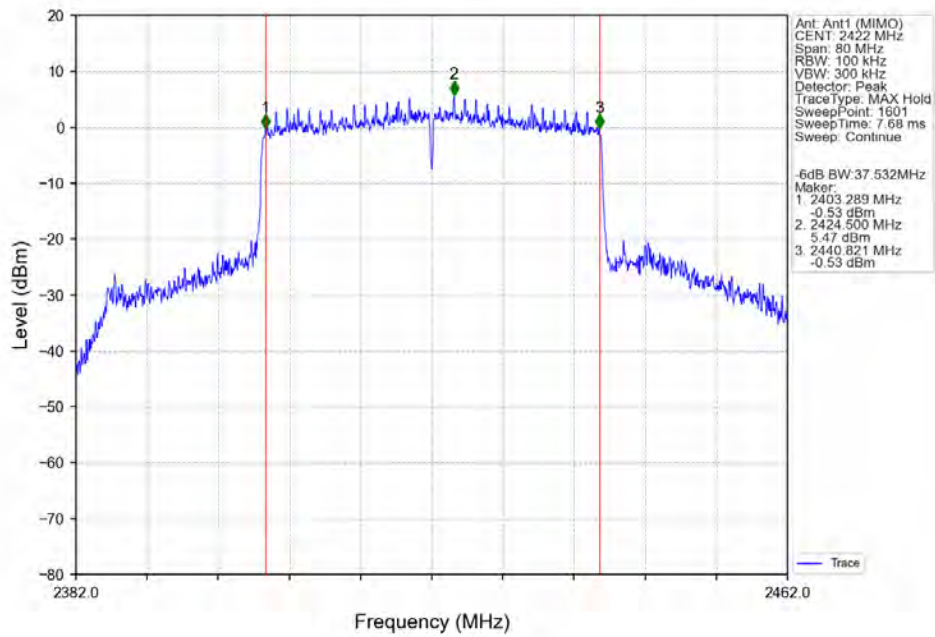
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



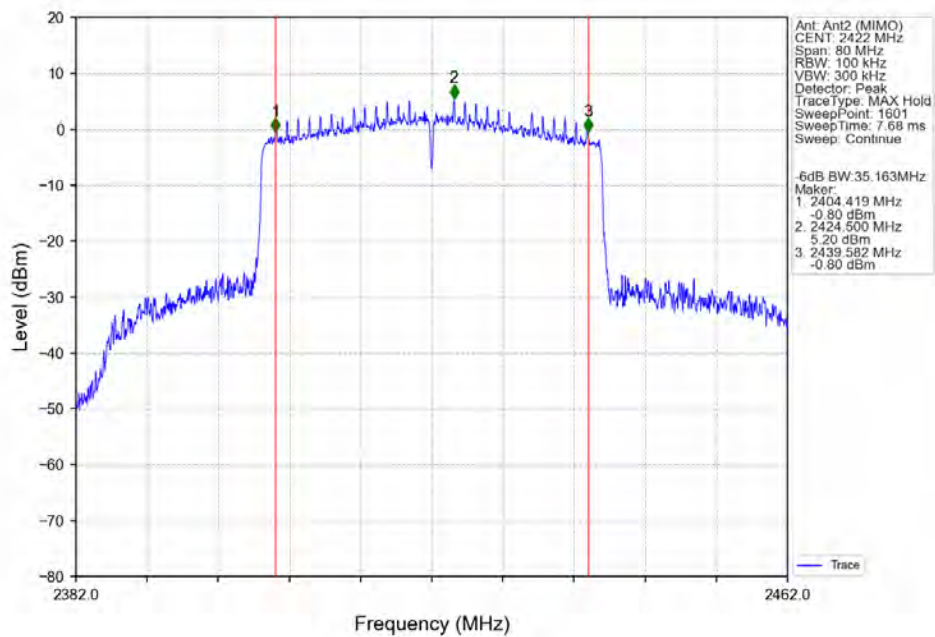
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



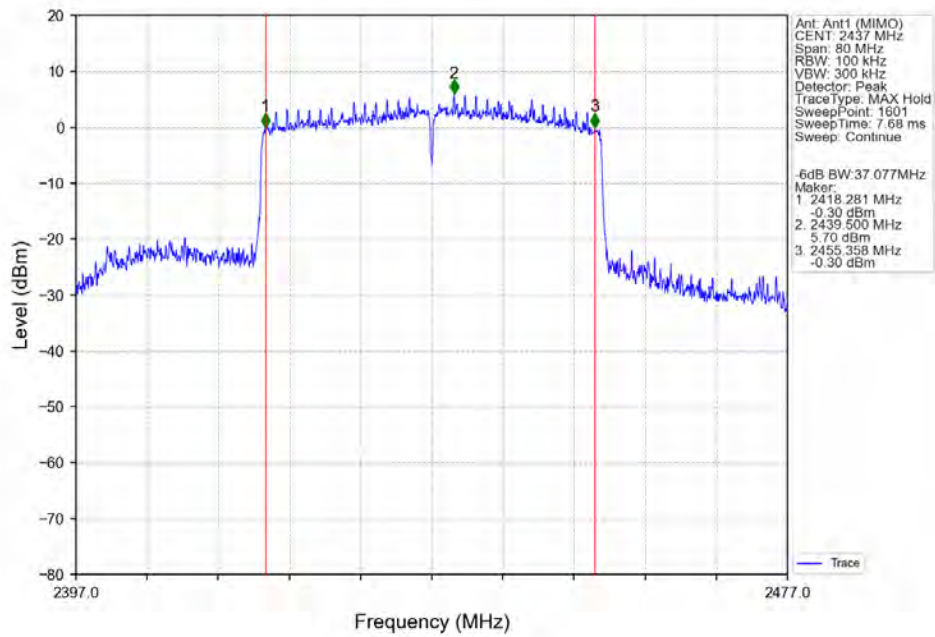
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



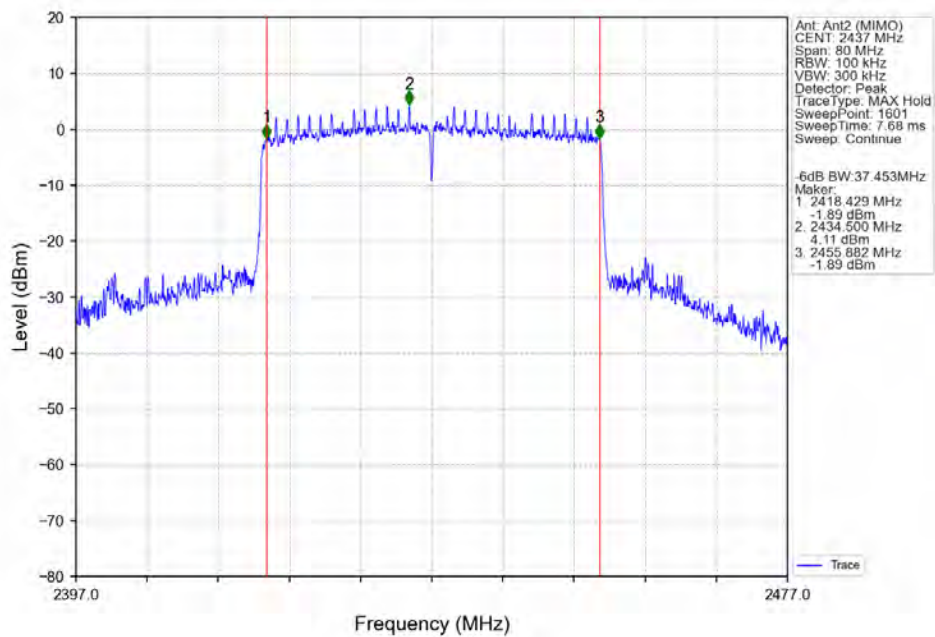
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



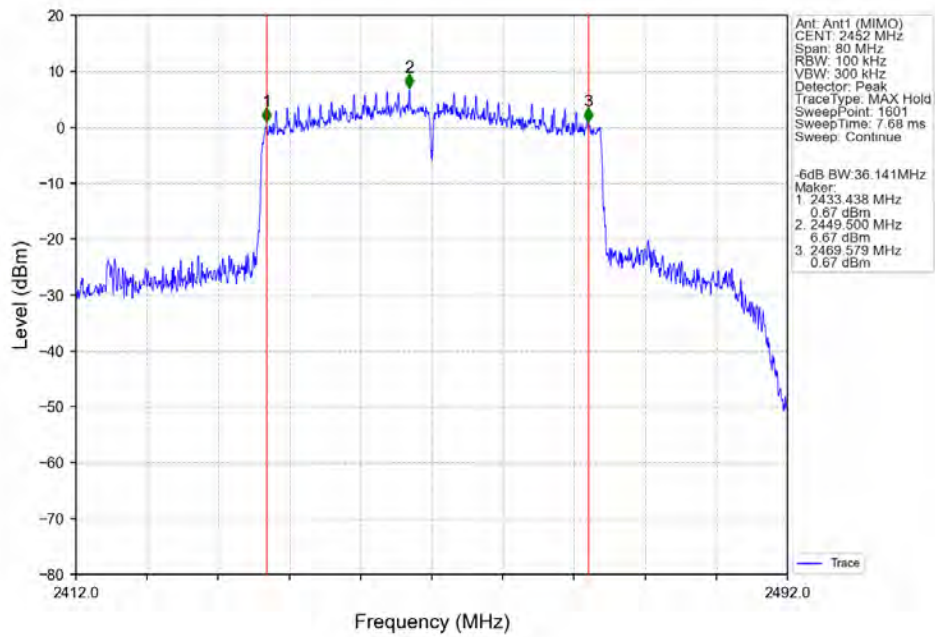
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (MIMO) NTVN



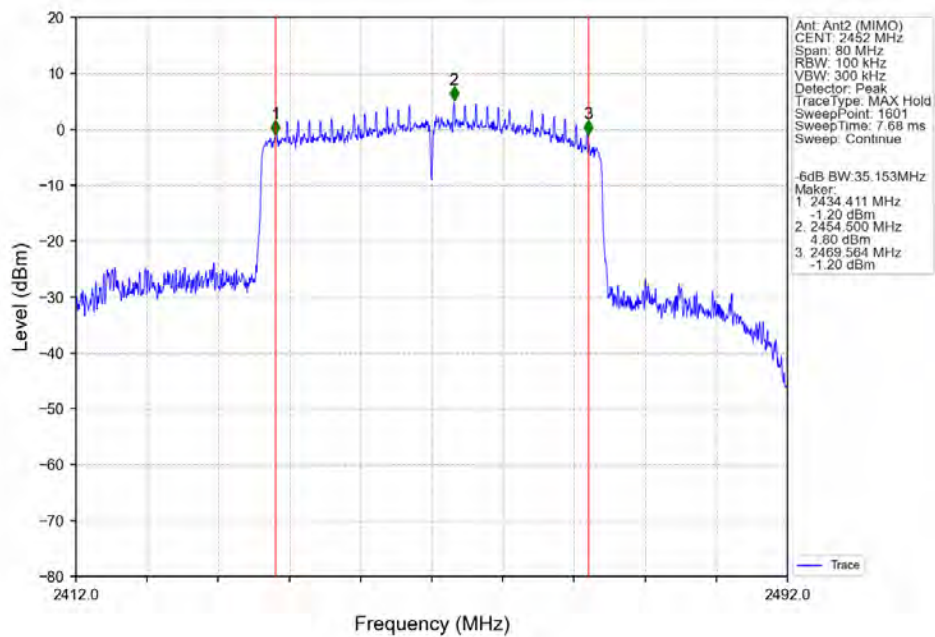
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant2 (MIMO) NTVN



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV





3. Maximum Conducted Output Power

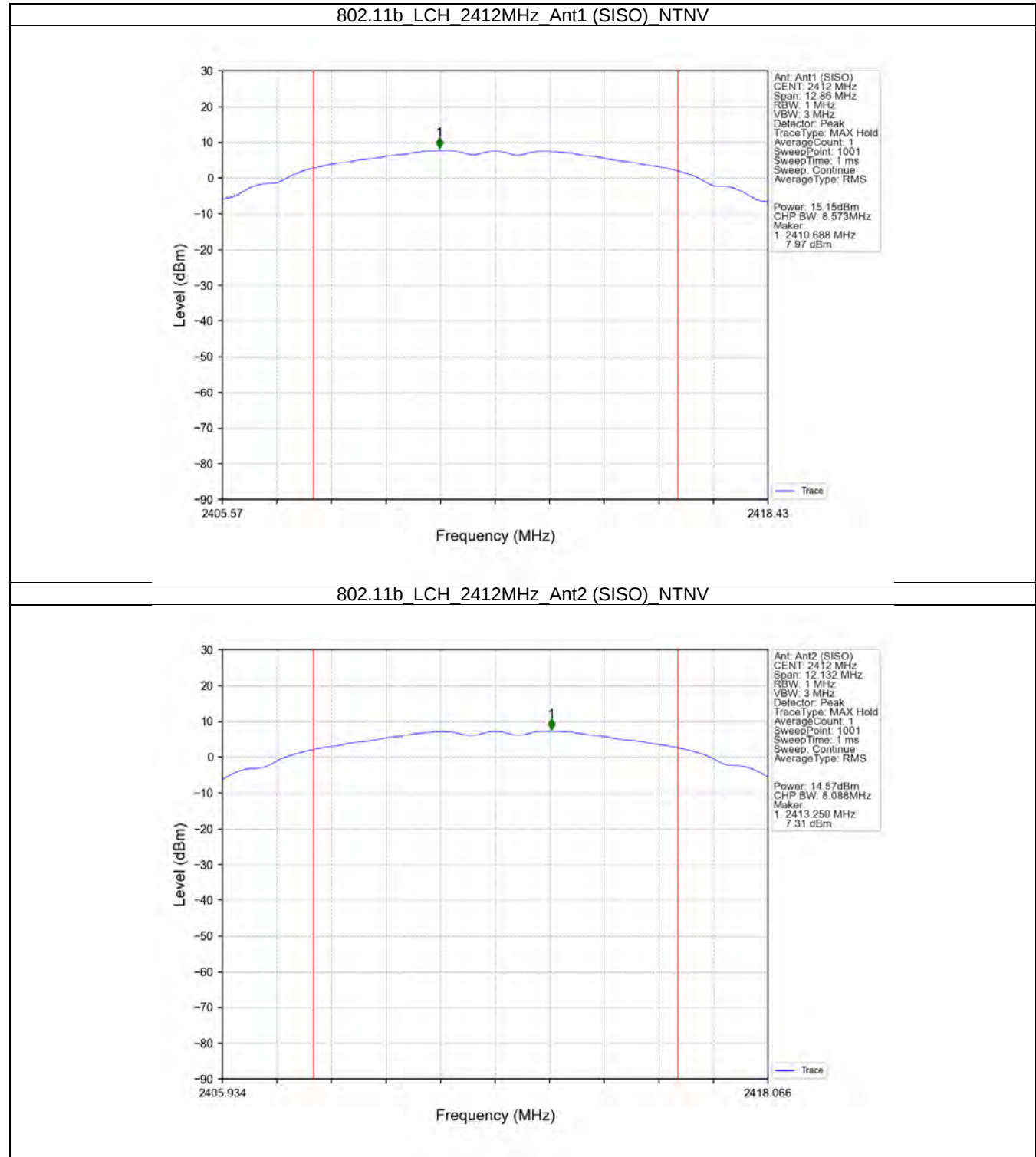
3.1 Test Result

3.1.1 Power

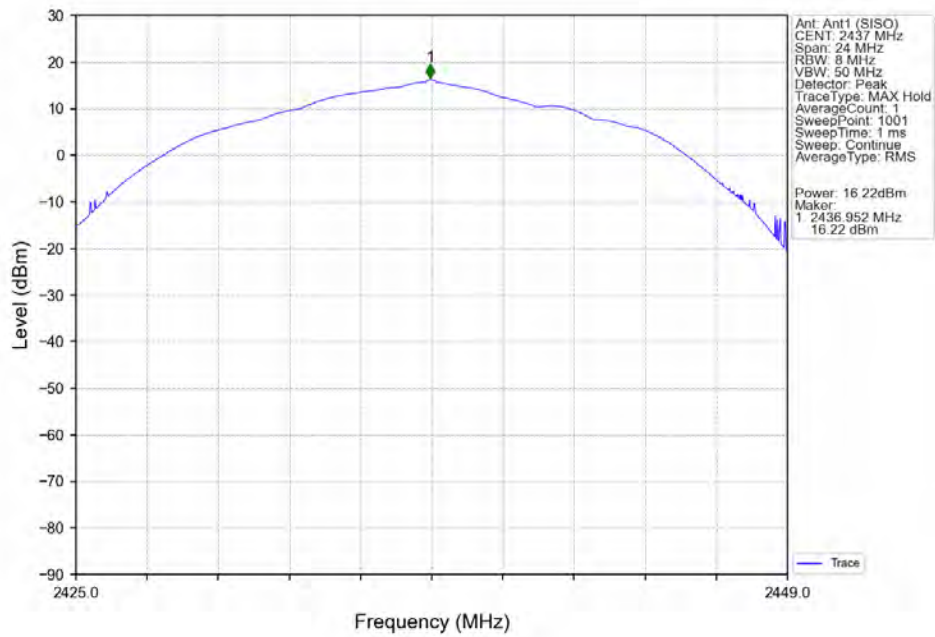
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	15.15	14.57	/	<=30	Pass
		2437	/	/	16.22	11.64	/	<=30	Pass
		2462	/	/	14.99	14.20	/	<=30	Pass
802.11g	SISO	2412	/	/	15.96	14.41	/	<=30	Pass
		2437	/	/	15.70	13.98	/	<=30	Pass
		2462	/	/	16.05	14.18	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	15.73	14.65	18.23	<=30	Pass
		2437	/	/	15.41	14.42	17.95	<=30	Pass
		2462	/	/	15.61	14.29	18.01	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	15.56	15.02	18.31	<=30	Pass
		2437	/	/	15.98	14.75	18.42	<=30	Pass
		2452	/	/	16.40	14.64	18.62	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	17.10	15.20	19.26	<=30	Pass
		2437	RU242	Left	16.98	15.43	19.28	<=30	Pass
		2462	RU242	Left	17.82	14.92	19.62	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	16.71	15.73	19.26	<=30	Pass
		2437	RU484	Left	17.17	15.74	19.52	<=30	Pass
		2452	RU484	Left	17.28	15.62	19.54	<=30	Pass
Note1: Antenna Gain: Ant1: -1.20dBi; Ant2: -1.20dBi; Note2: Directional Gain: 1.81dBi									

3.2 Test Graph

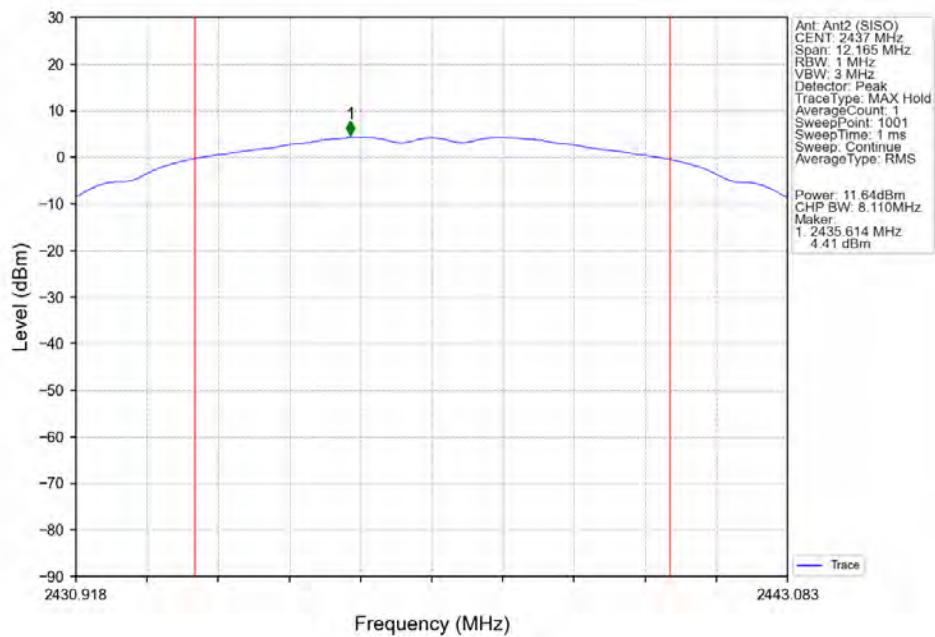
3.2.1 Power



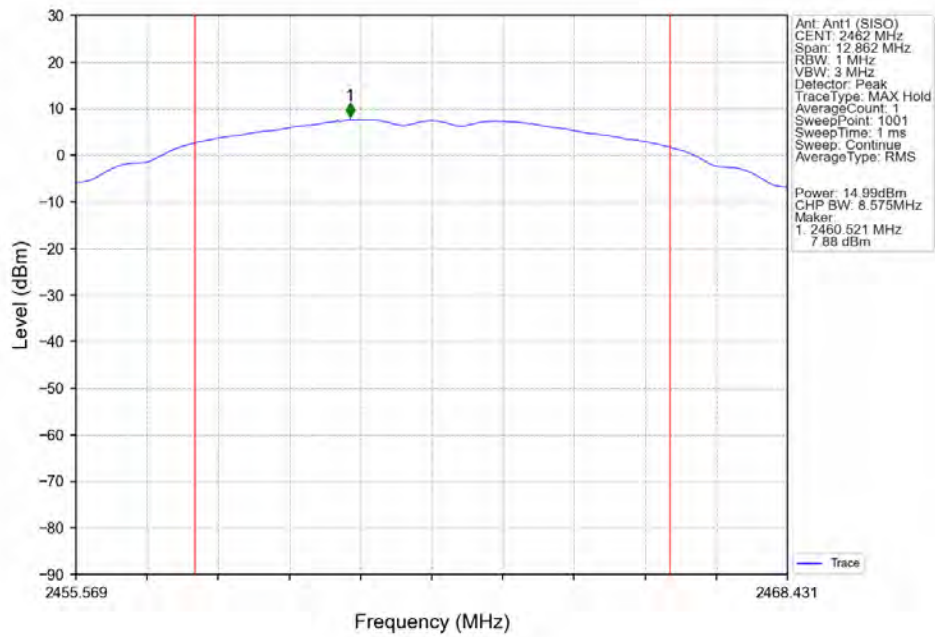
802.11b MCH 2437MHz_Ant1 (SISO)_NTNV



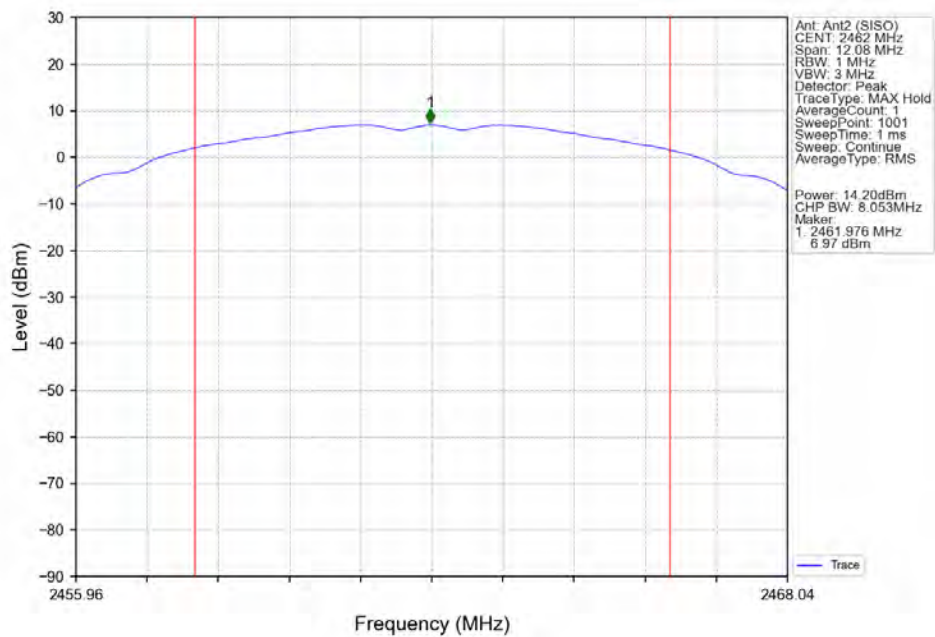
802.11b MCH 2437MHz_Ant2 (SISO)_NTNV



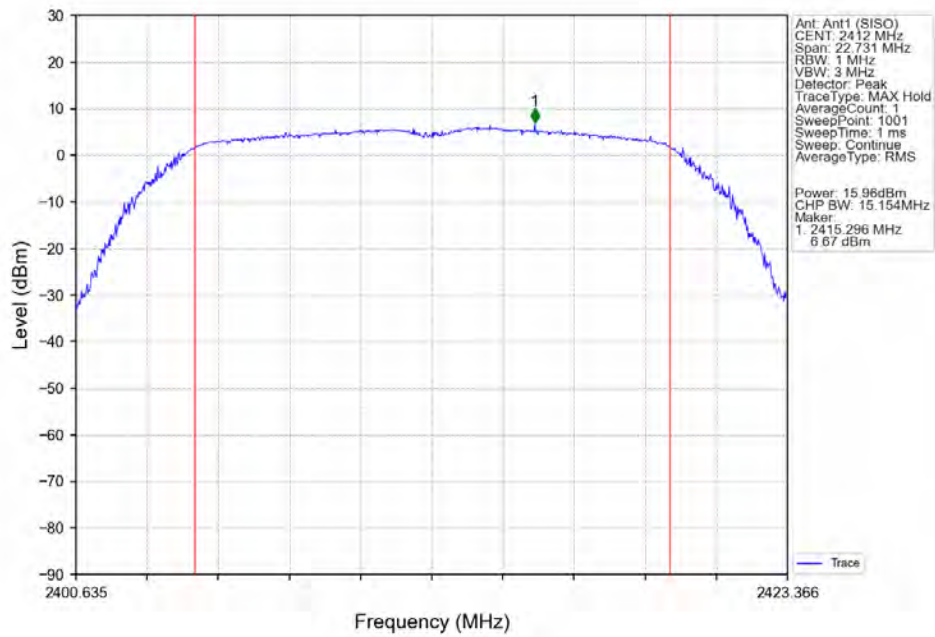
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



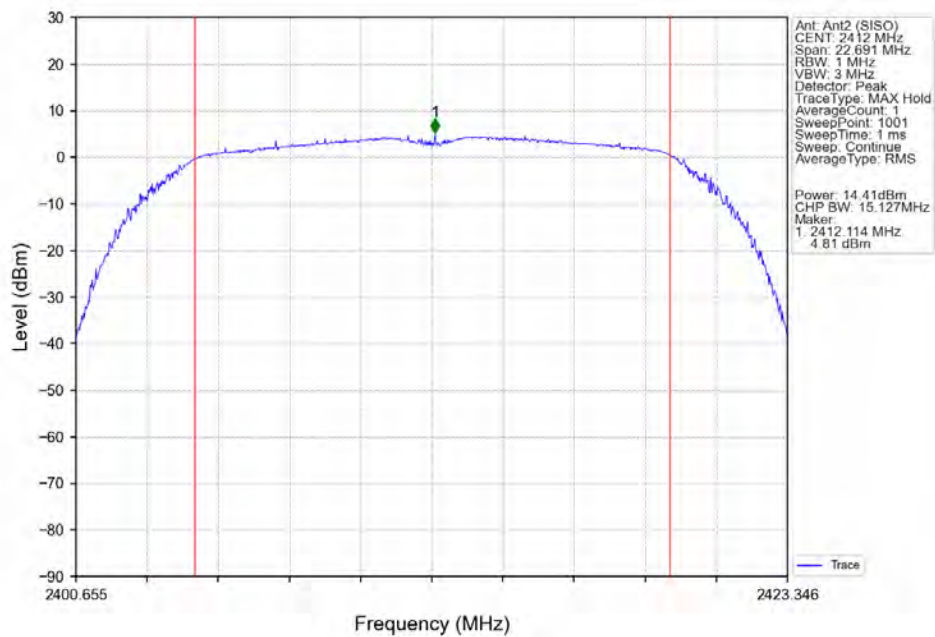
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



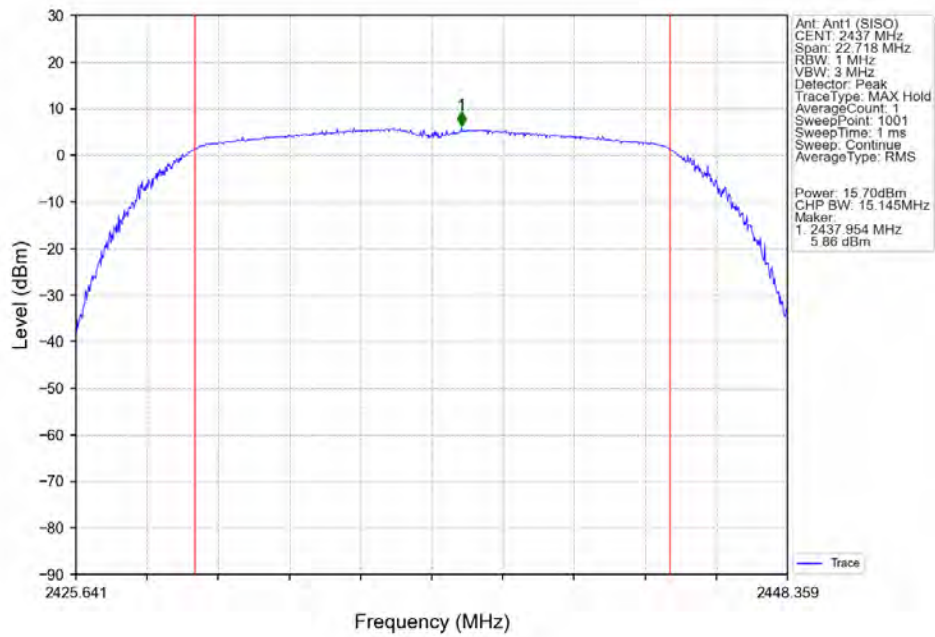
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



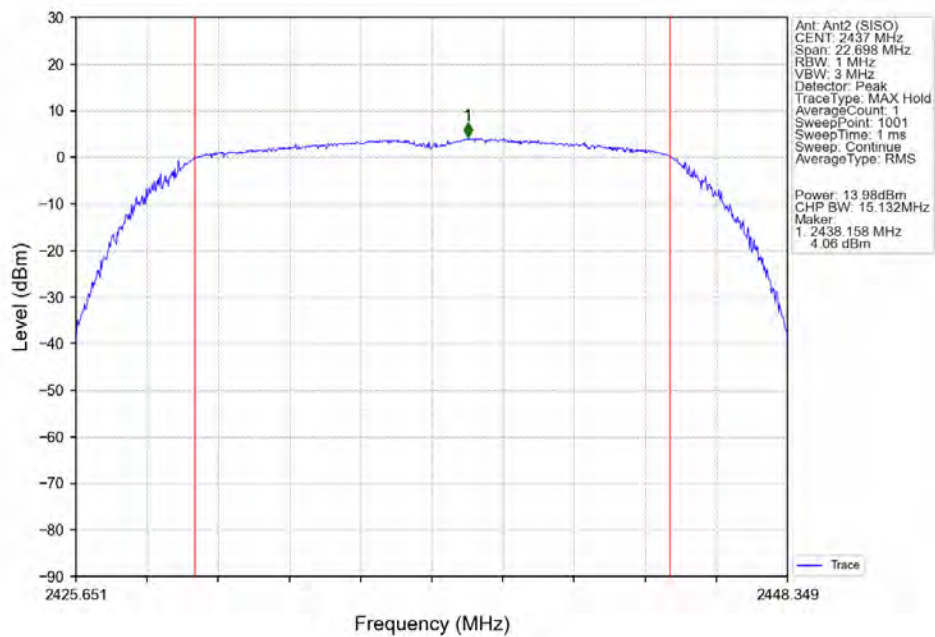
802.11g LCH 2412MHz_Ant2 (SISO)_NTNV



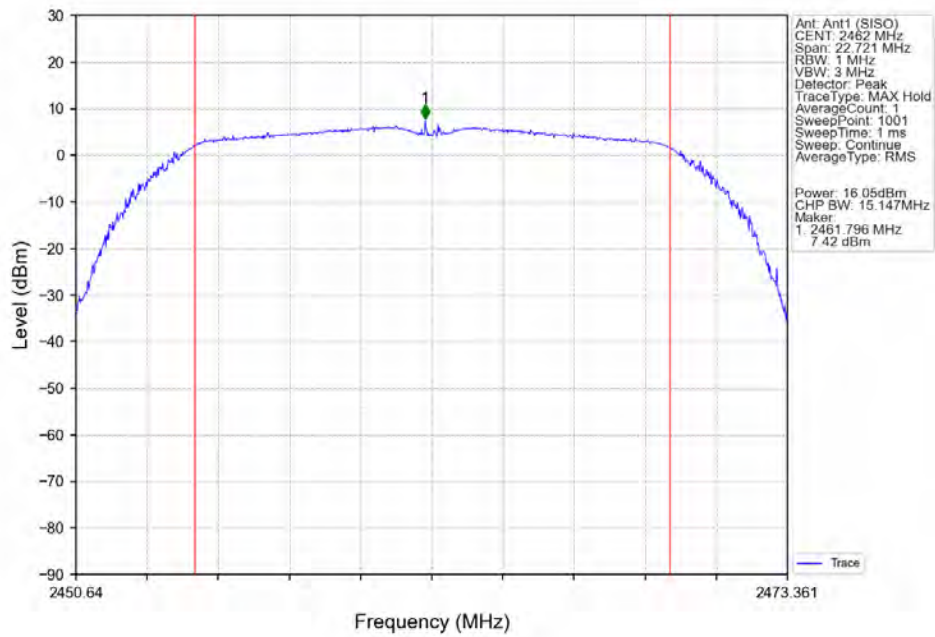
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



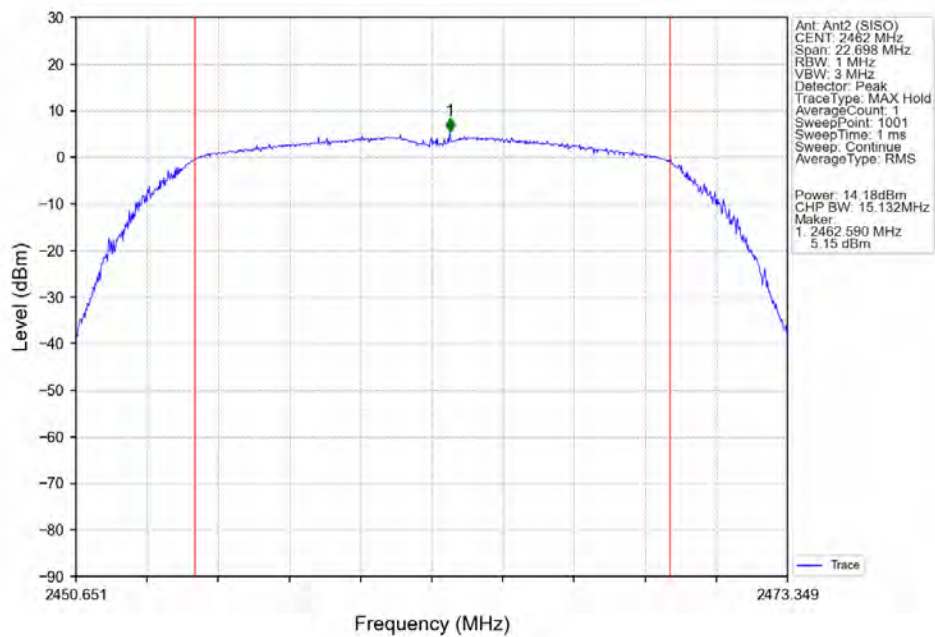
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



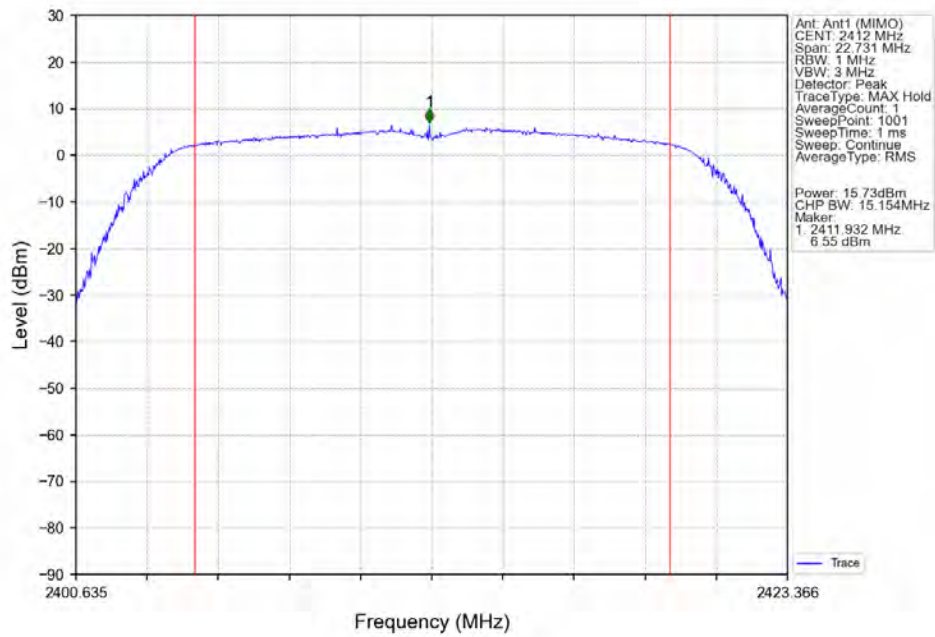
802.11g HCH 2462MHz_Ant1 (SISO)_NTNV



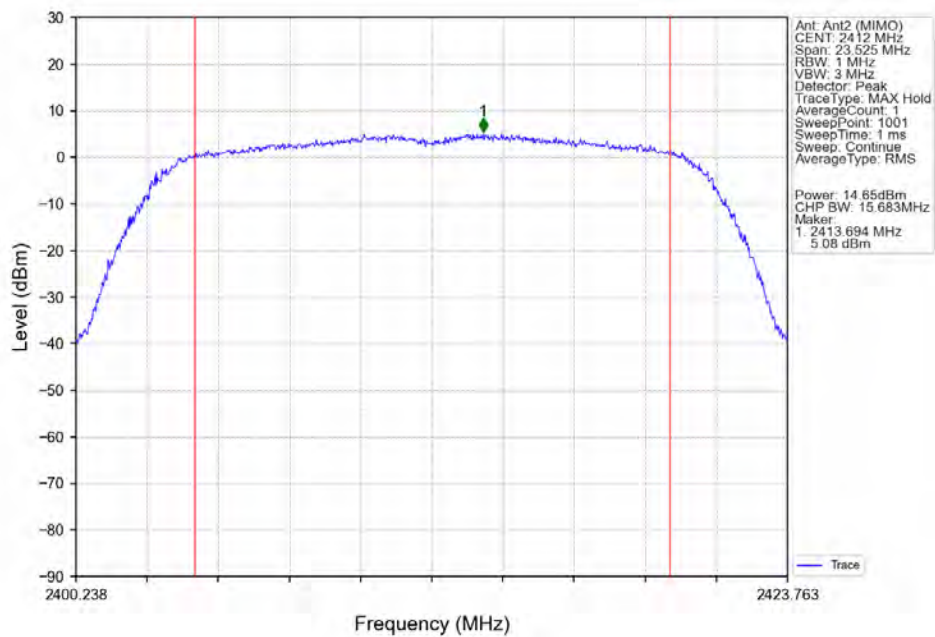
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



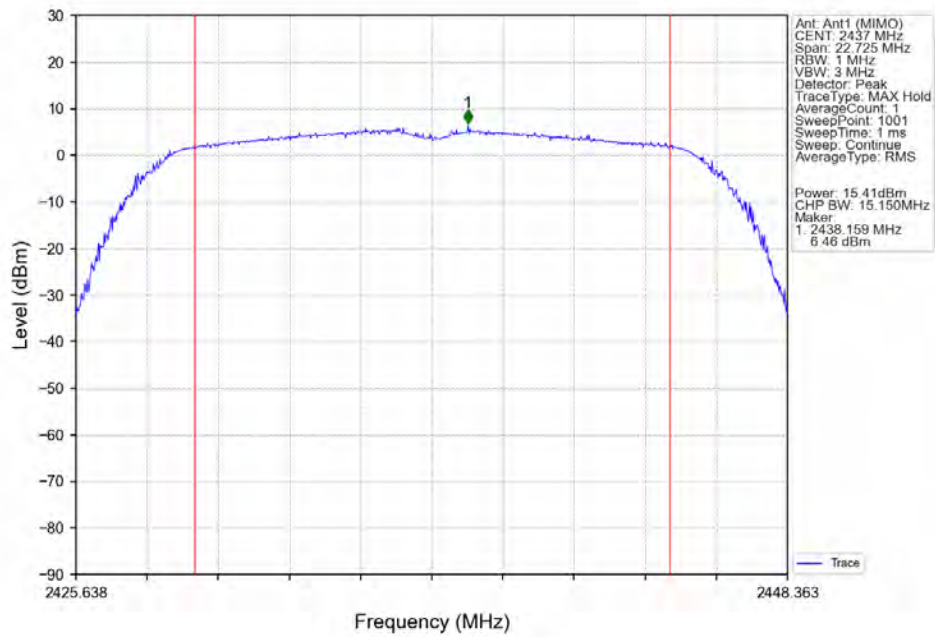
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO) NTNV



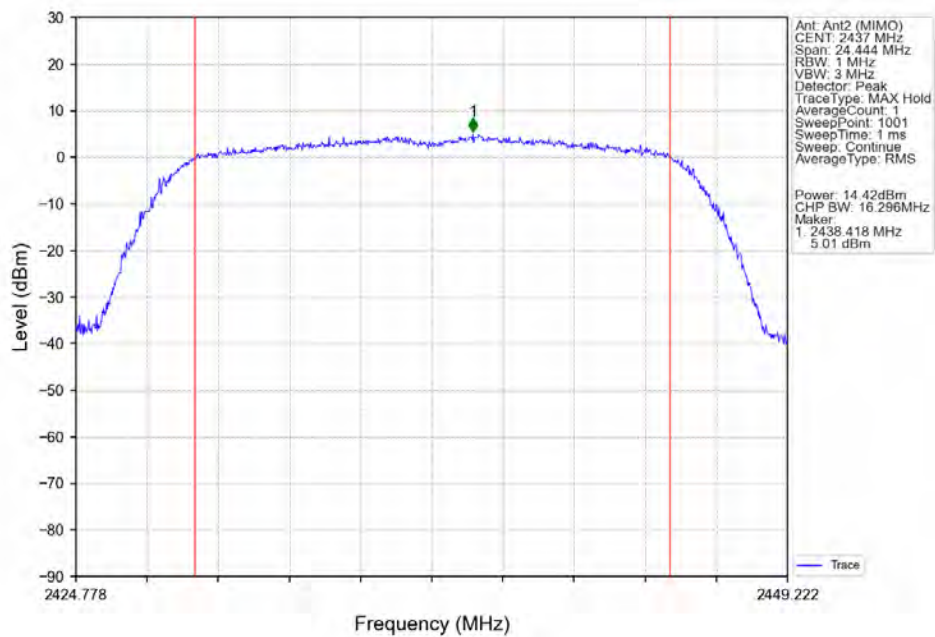
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO) NTNV



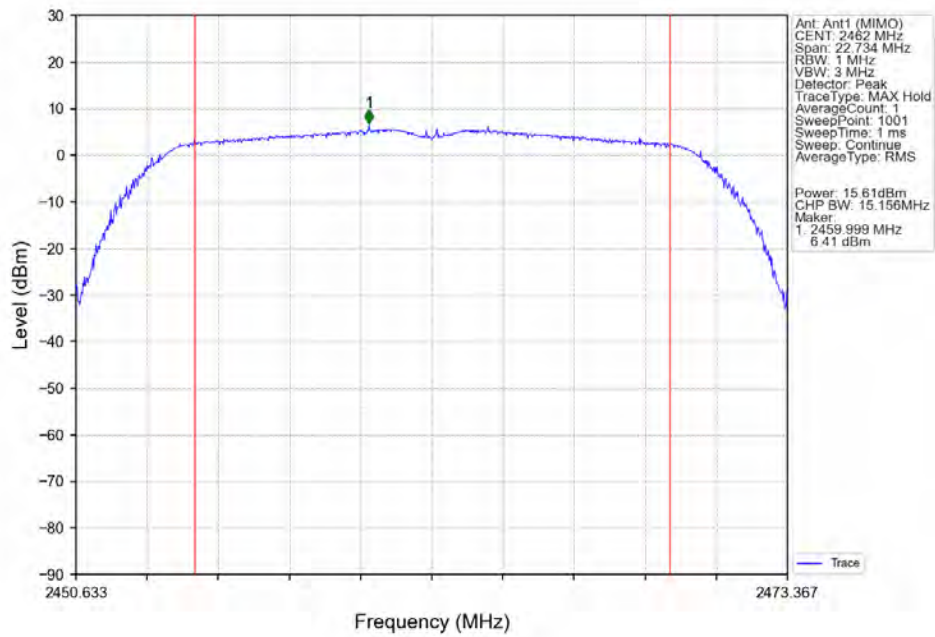
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



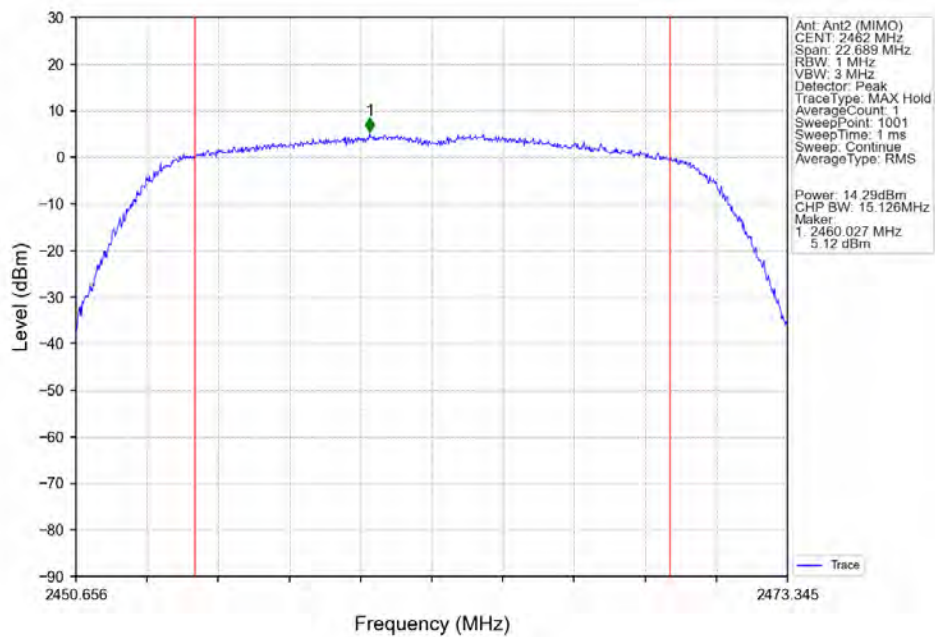
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



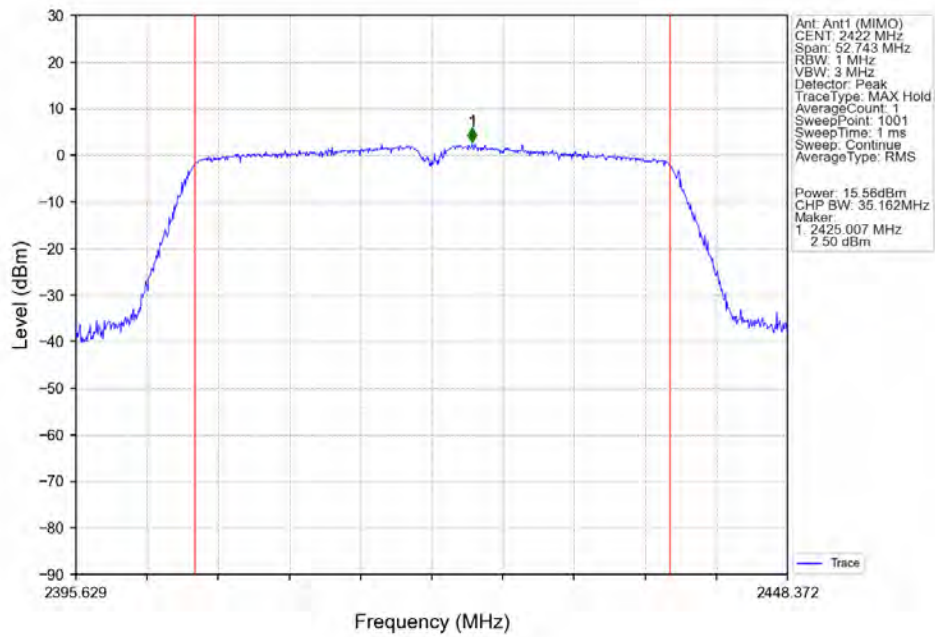
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO)_NTNV



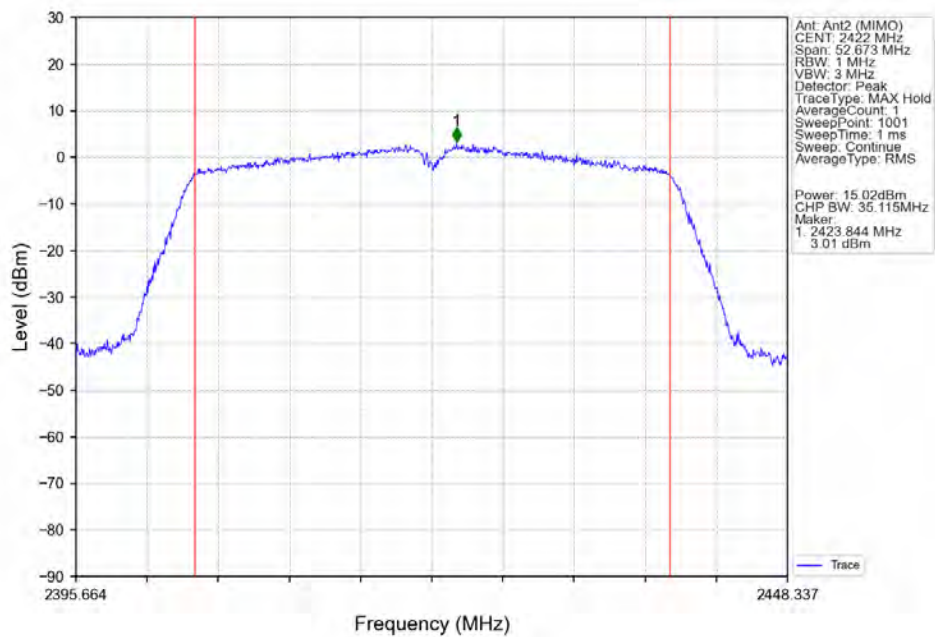
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO)_NTNV



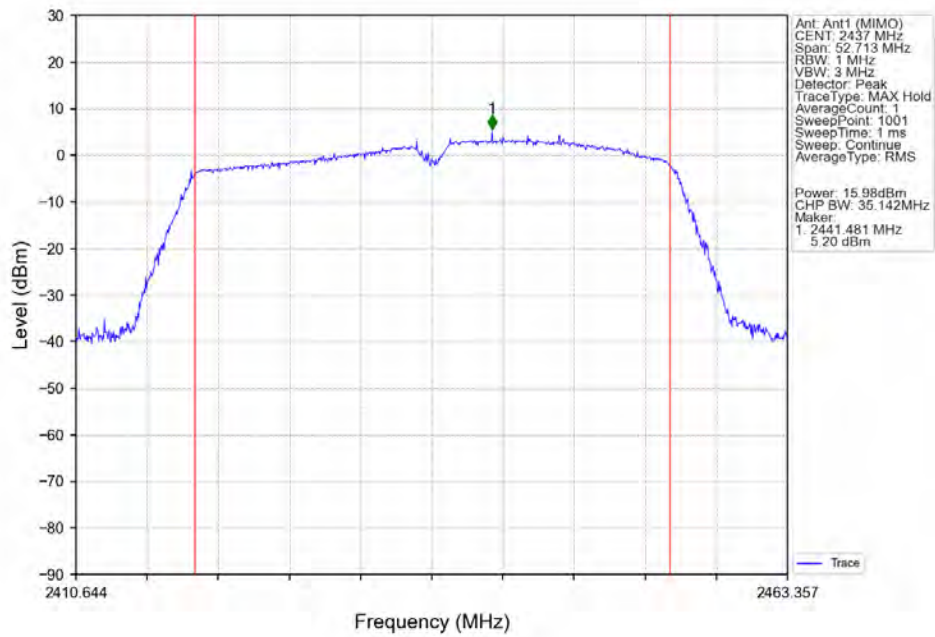
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



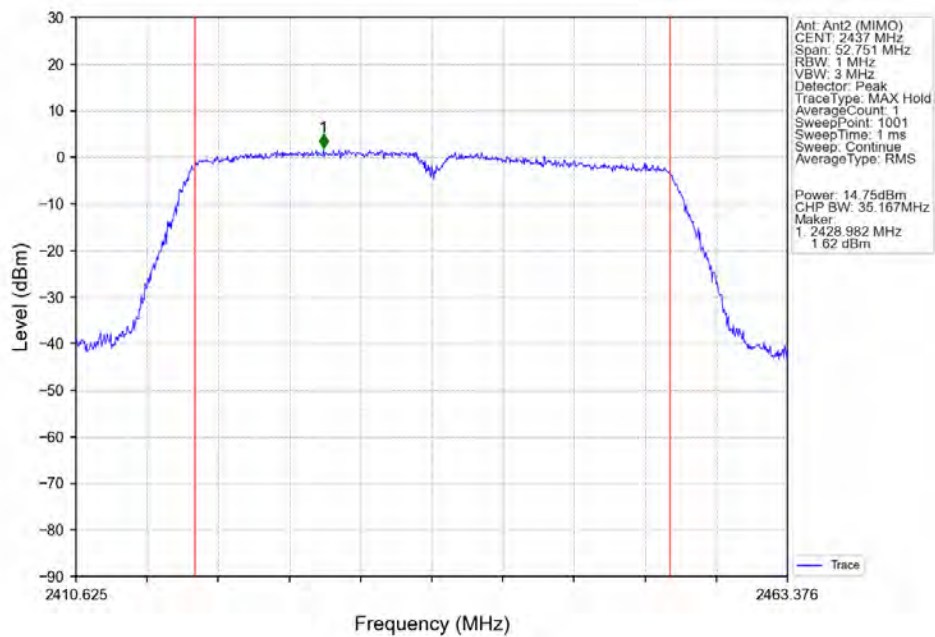
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



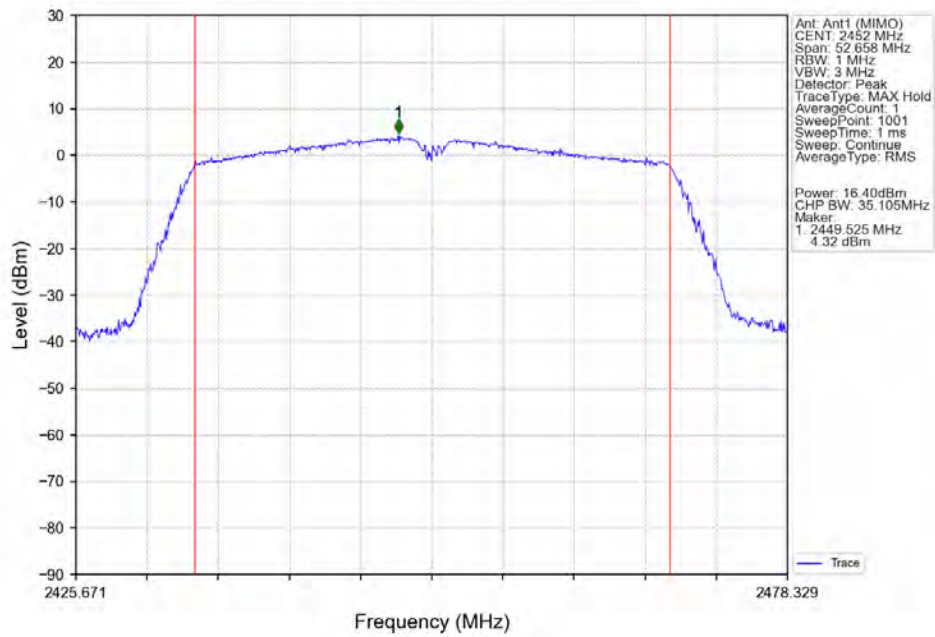
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



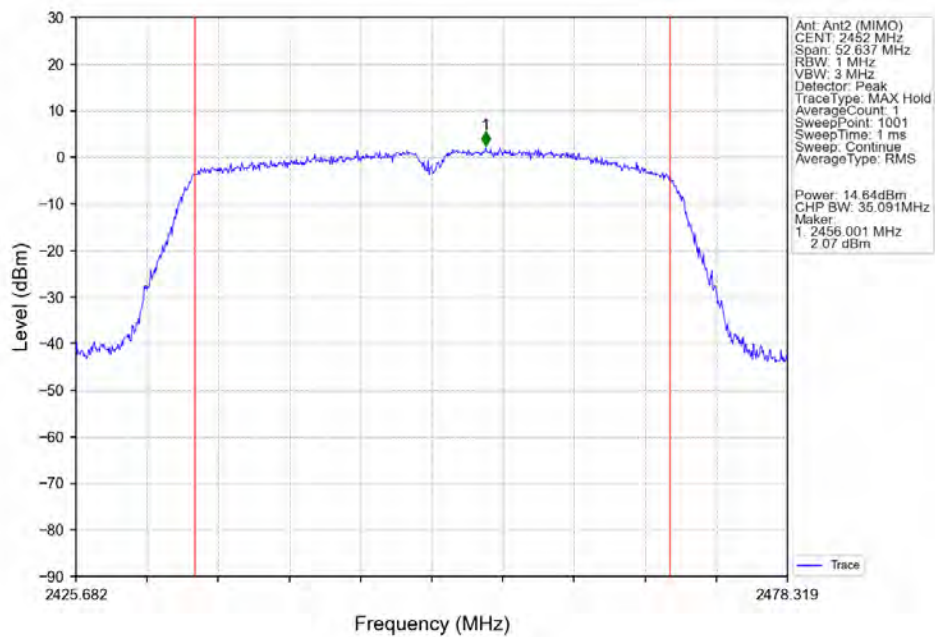
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



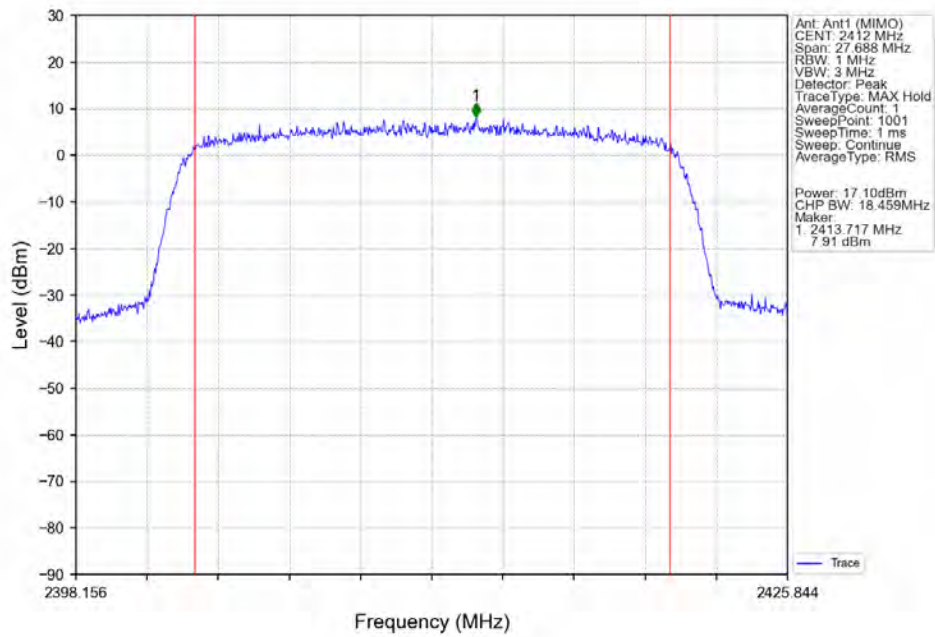
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO)_NTNV



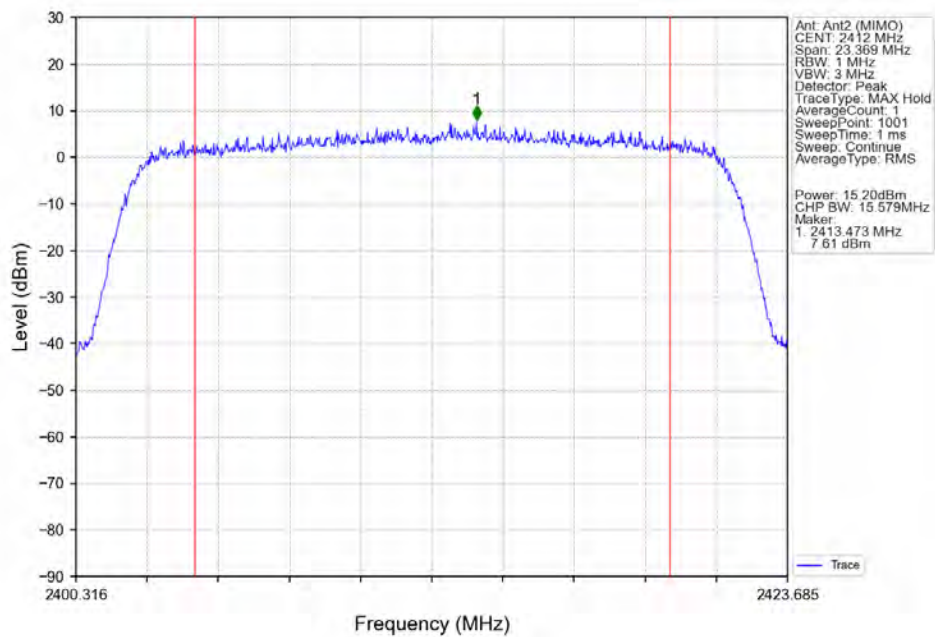
802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



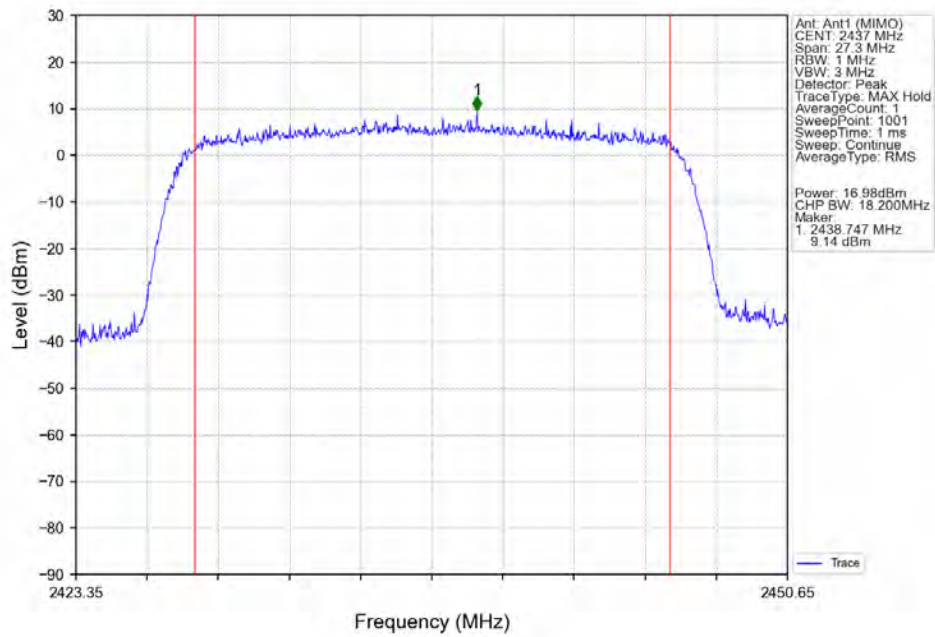
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNV



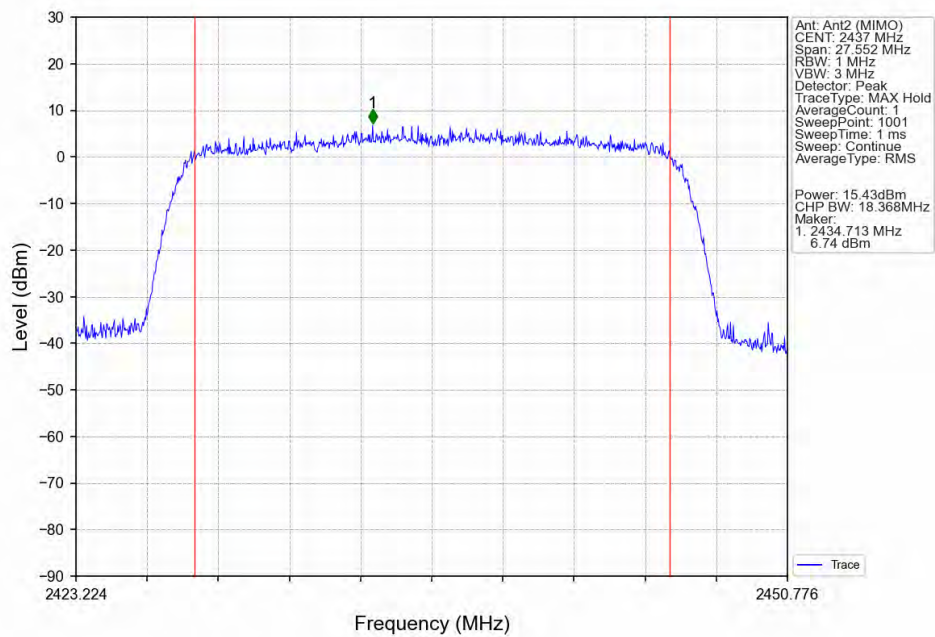
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTNV



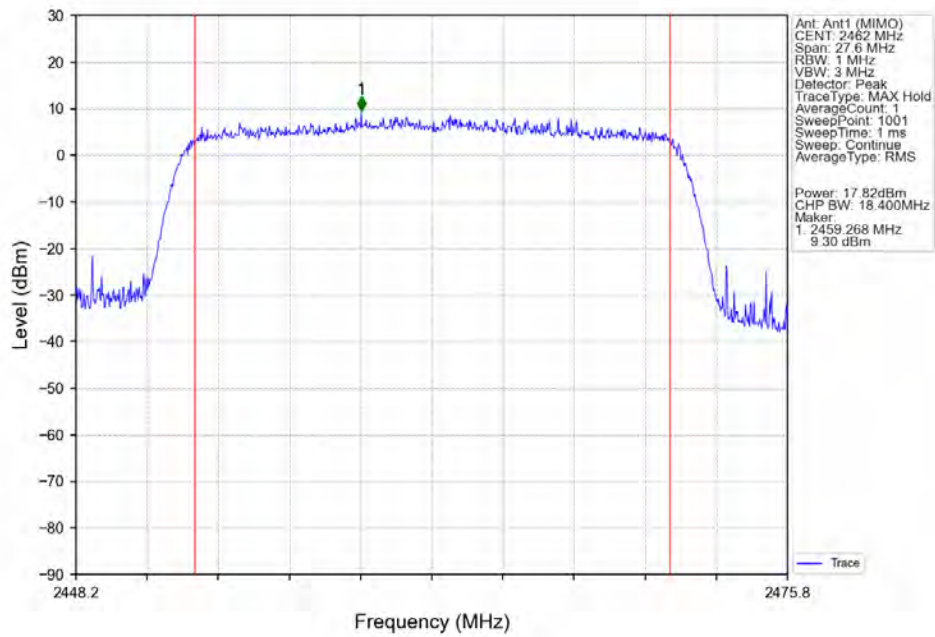
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



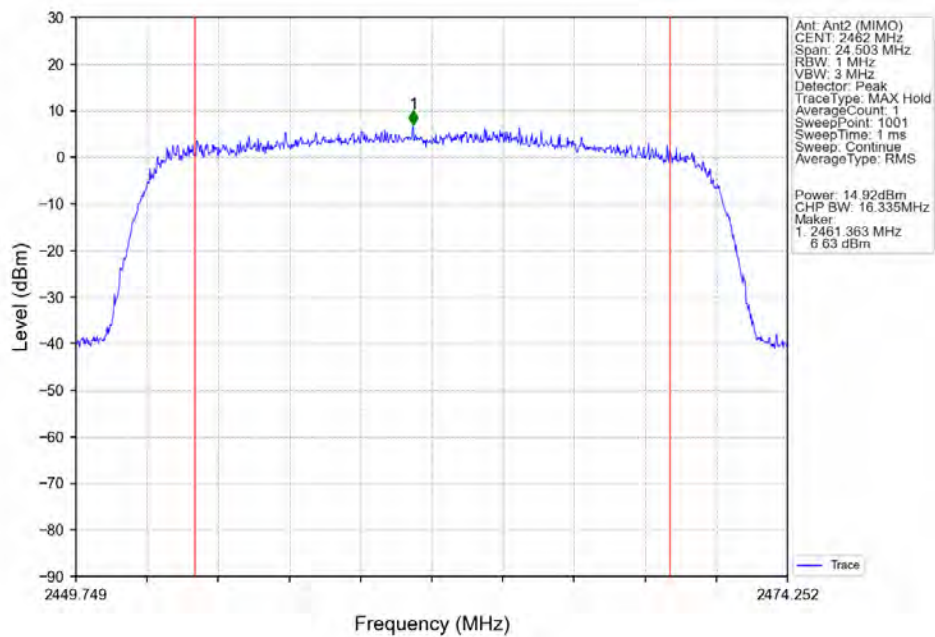
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



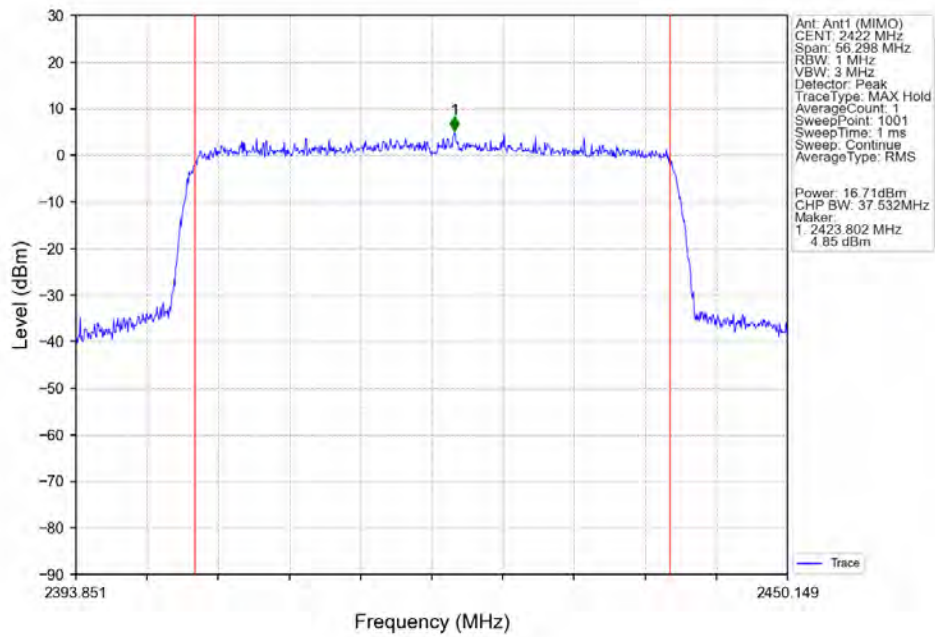
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



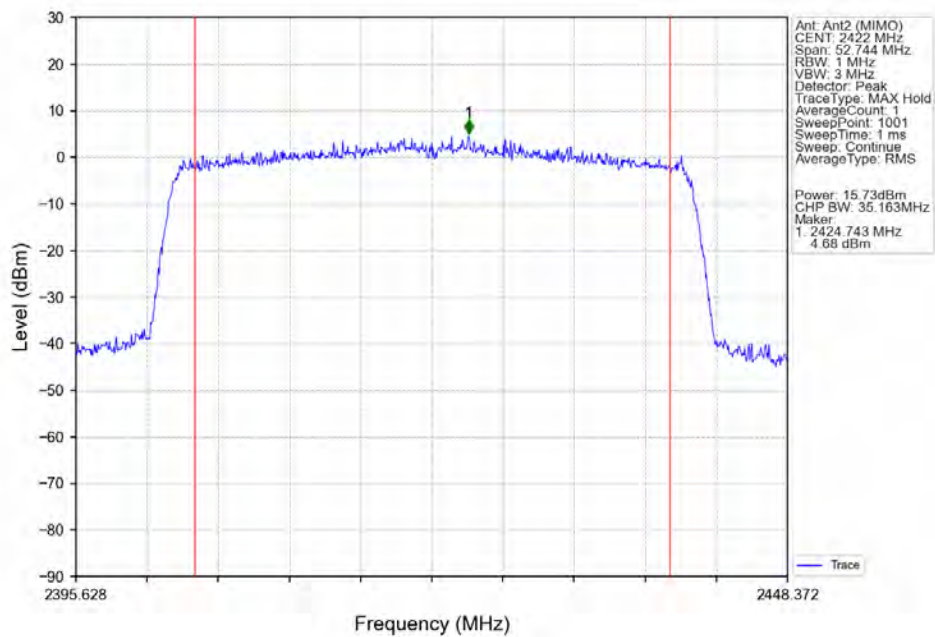
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



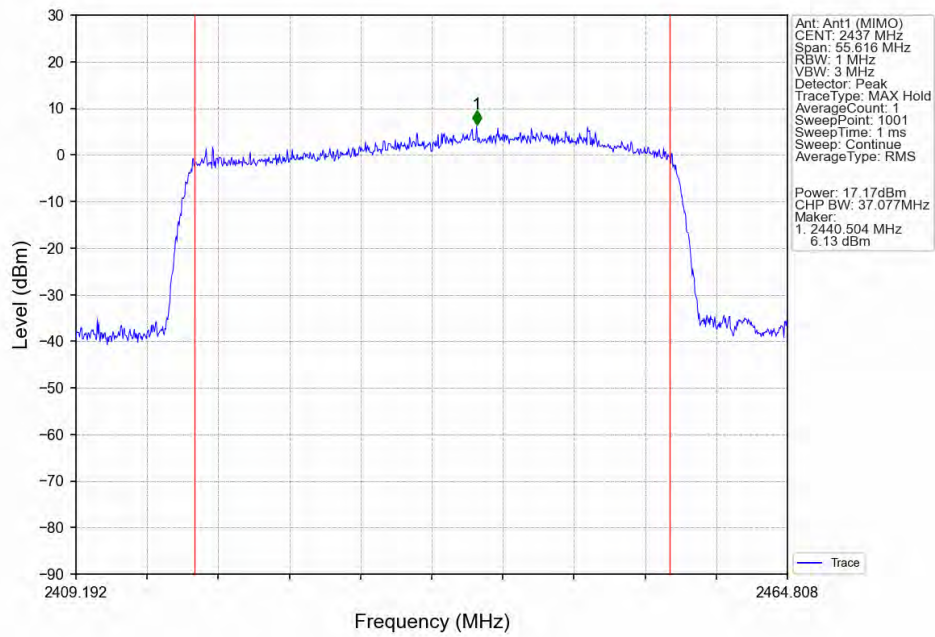
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



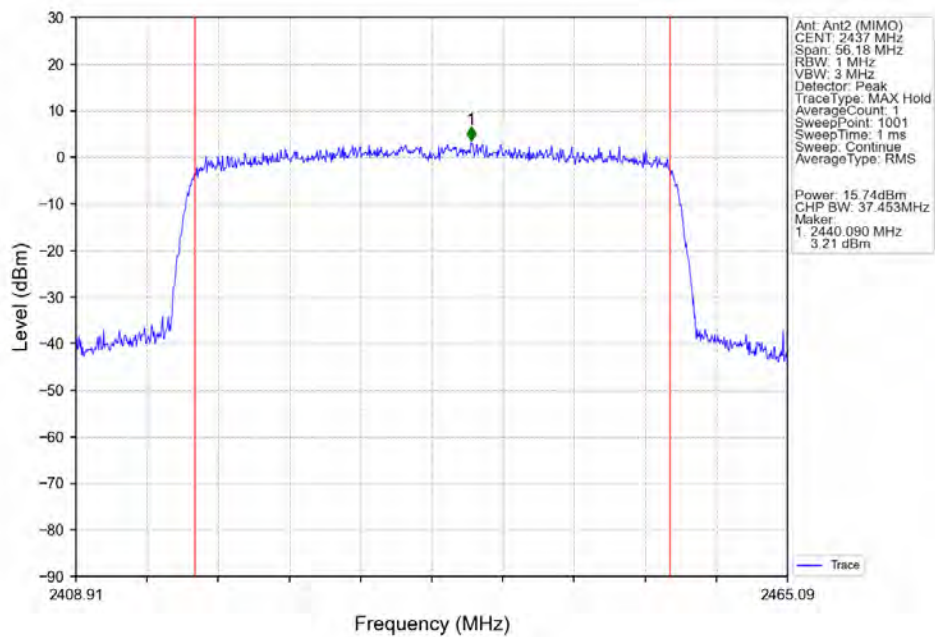
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



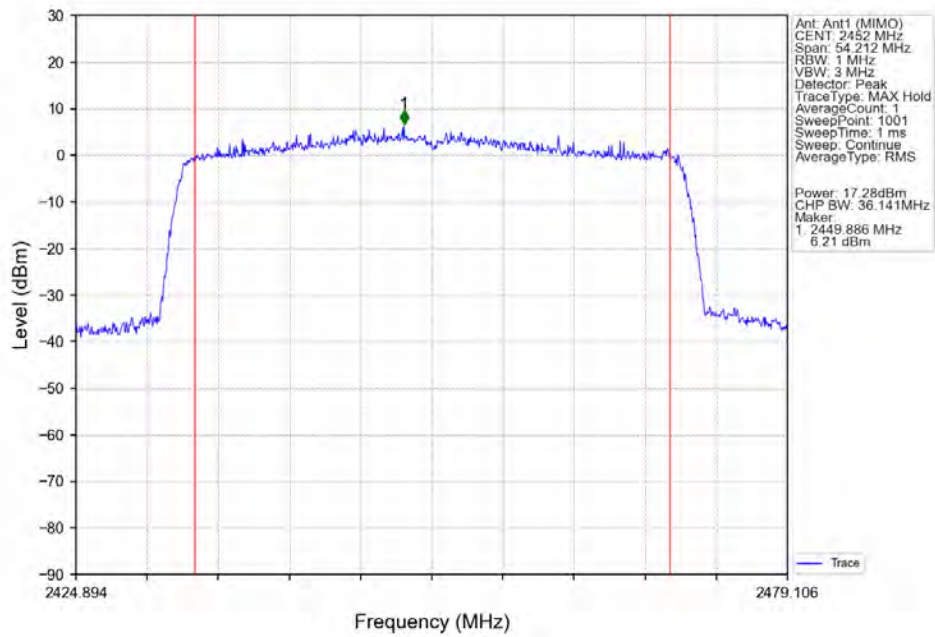
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



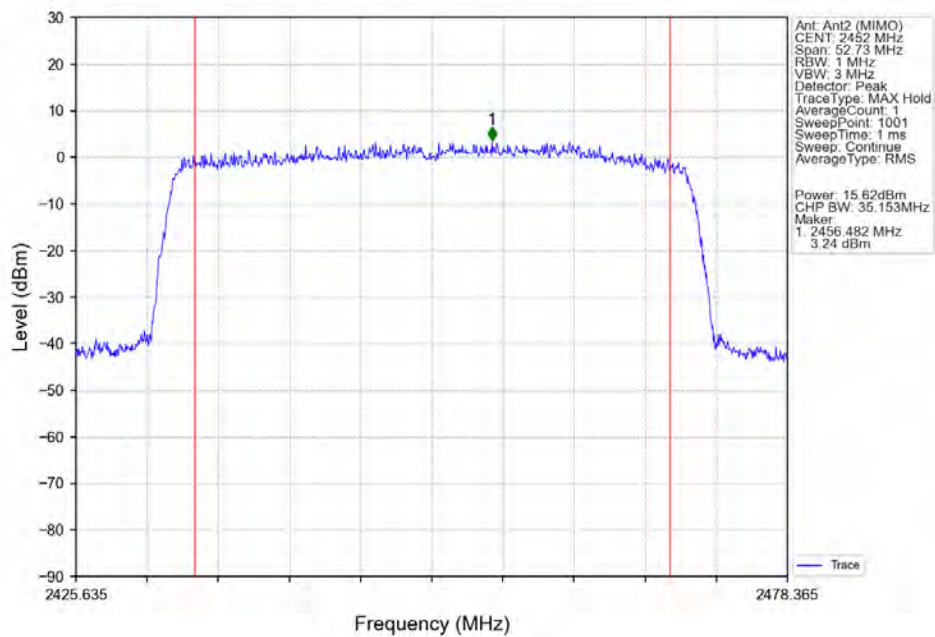
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV

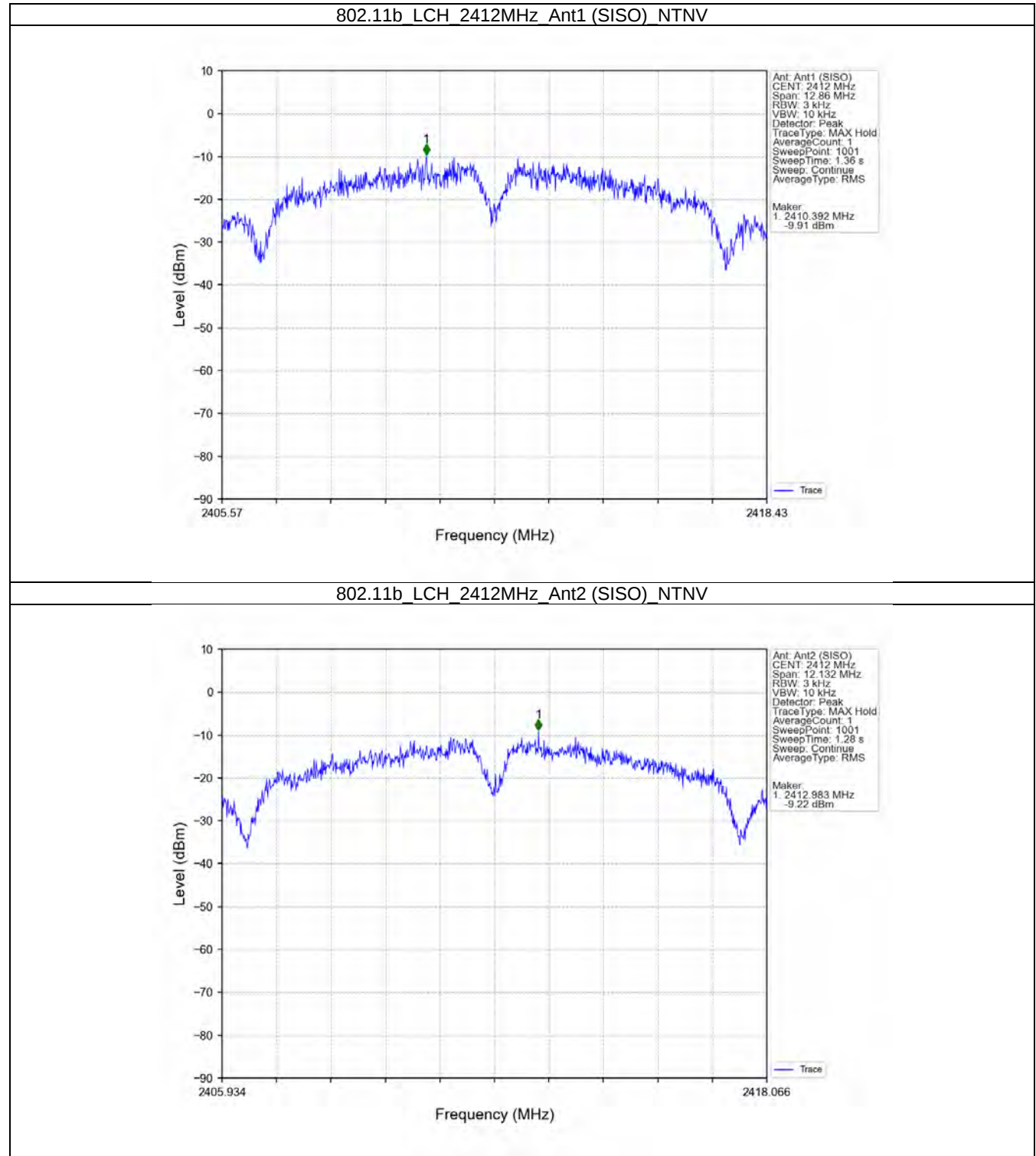




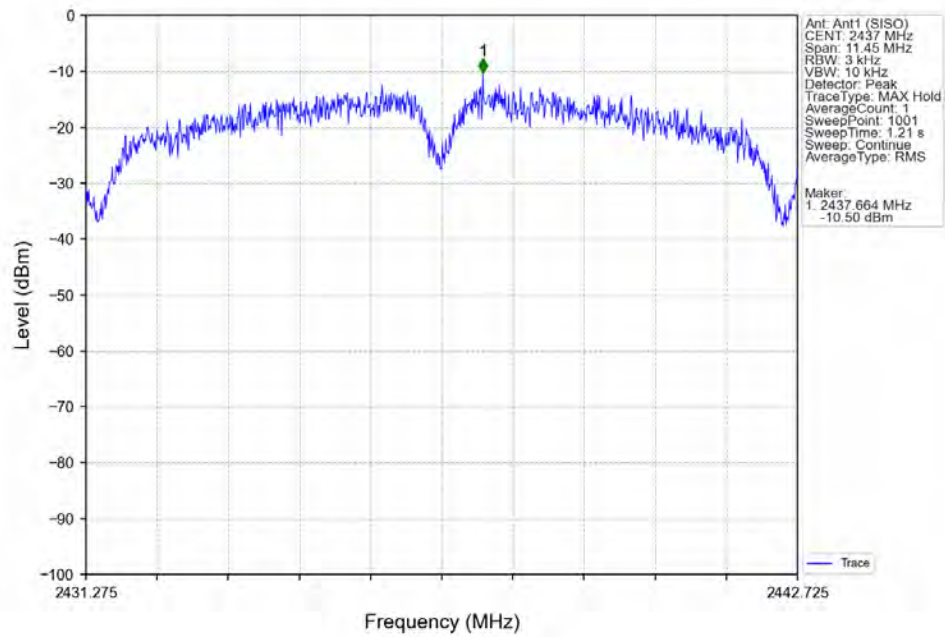
Note2: Directional Gain: 1.81dBi

4.2 Test Graph

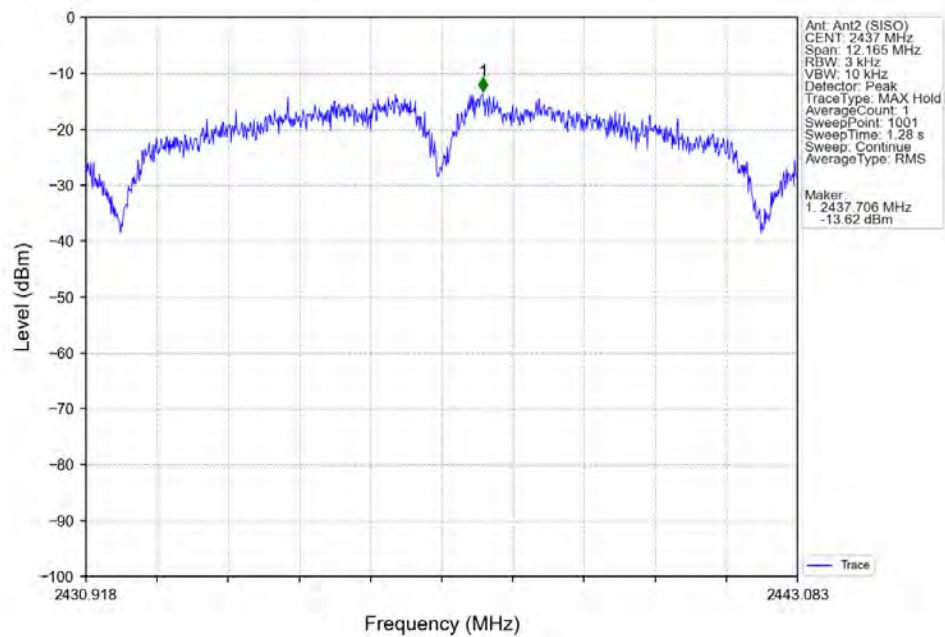
4.2.1 PSD



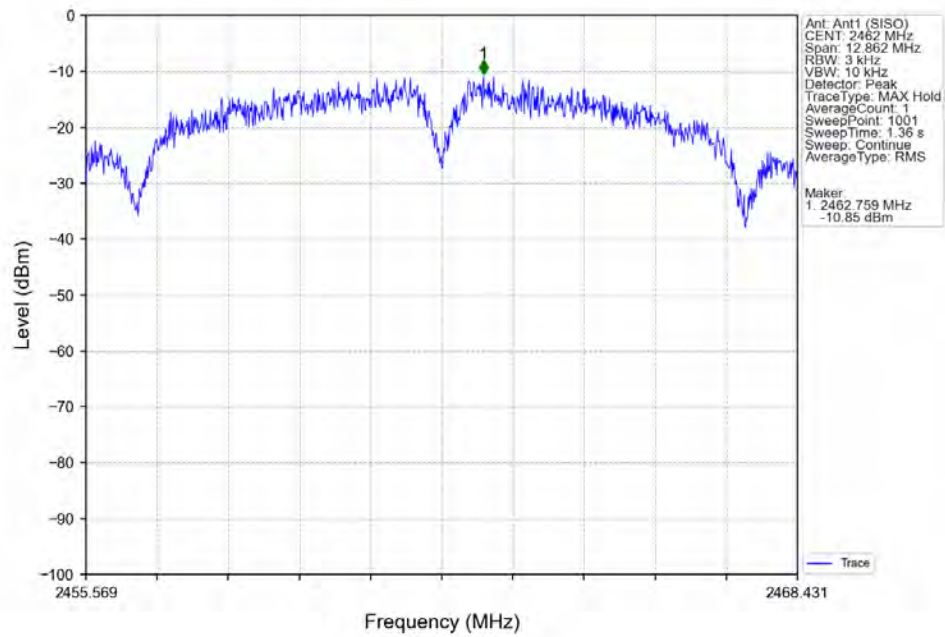
802.11b MCH_2437MHz_Ant1 (SISO)_NTNV



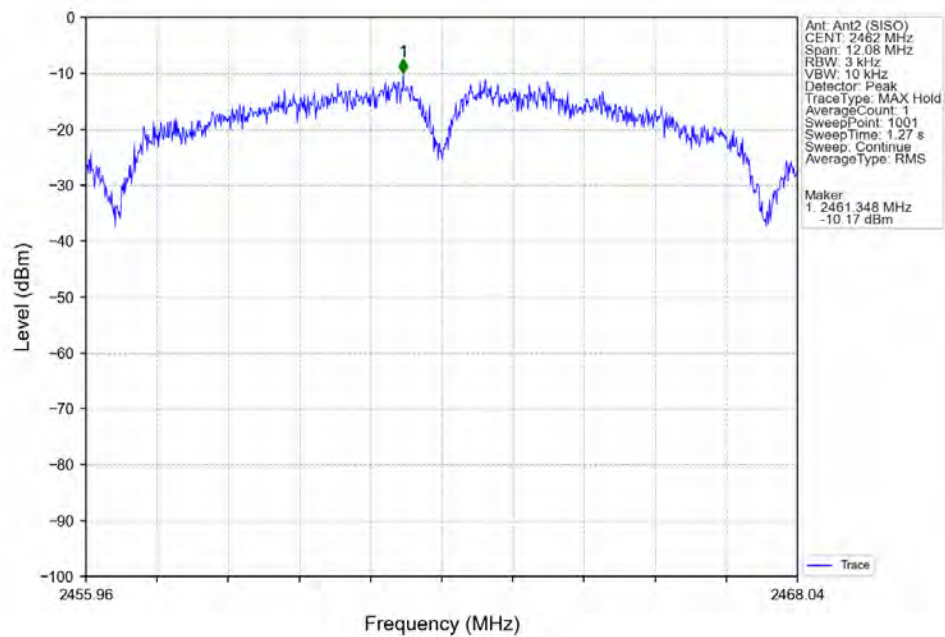
802.11b MCH_2437MHz_Ant2 (SISO)_NTNV



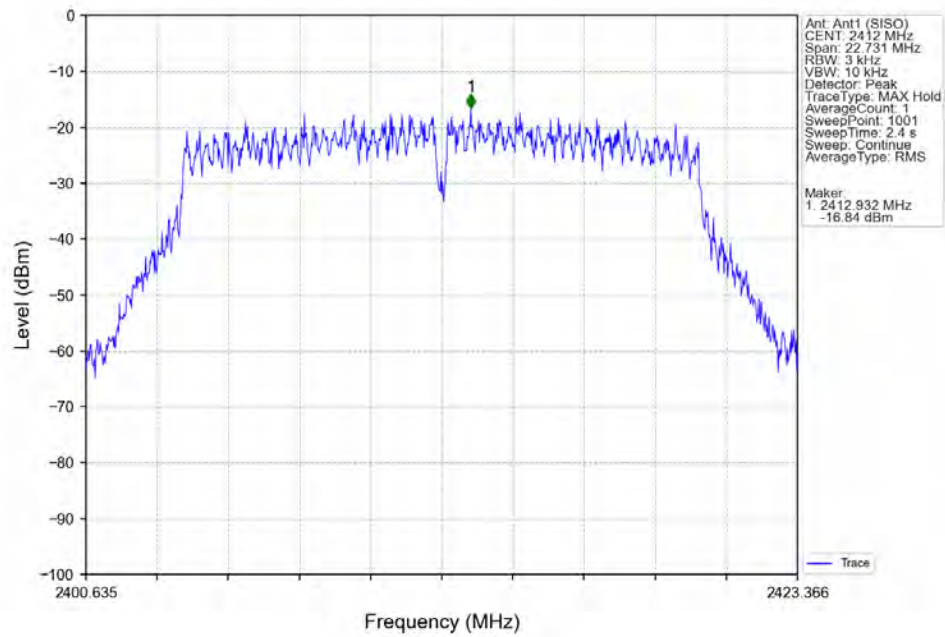
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



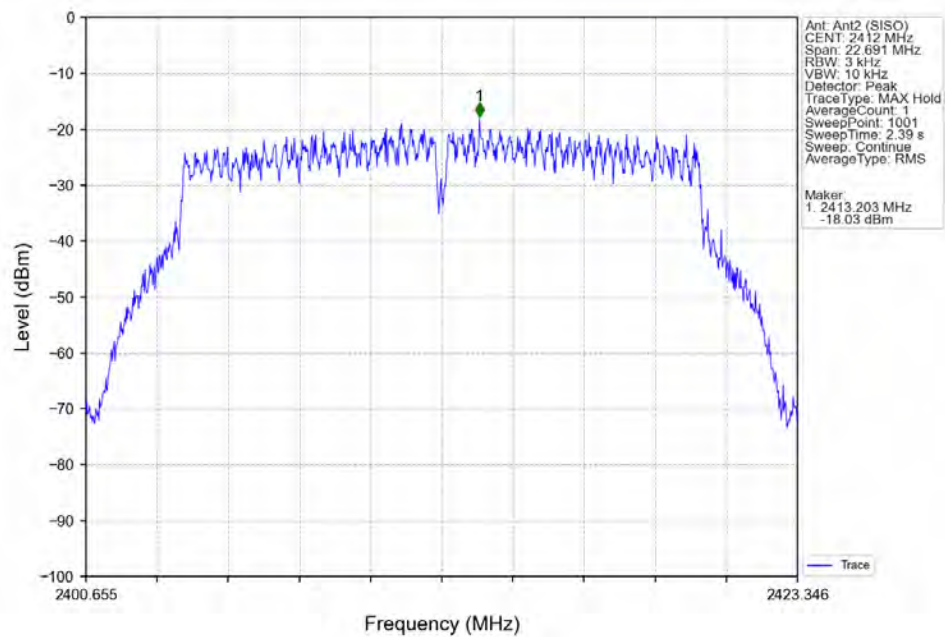
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



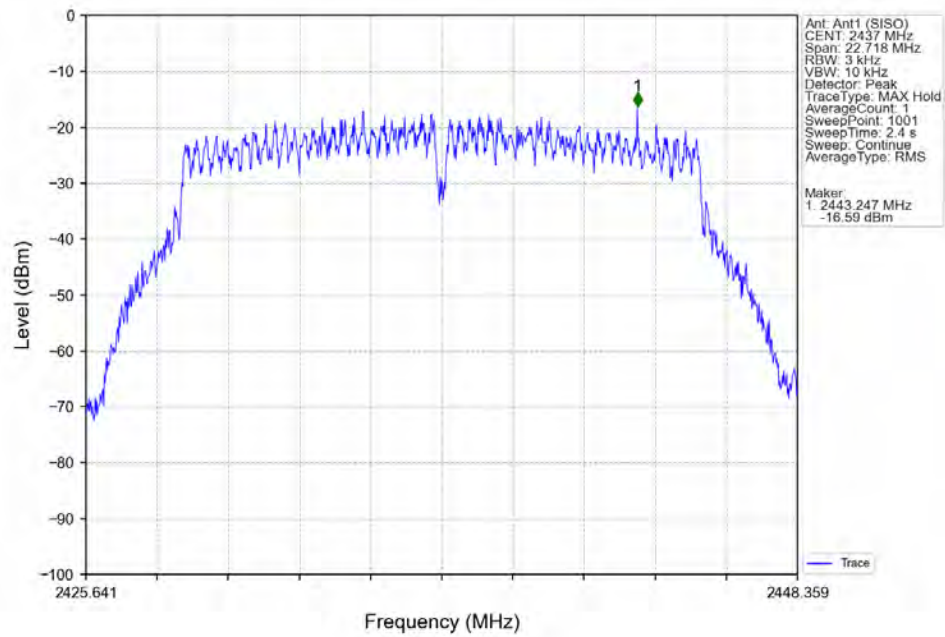
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



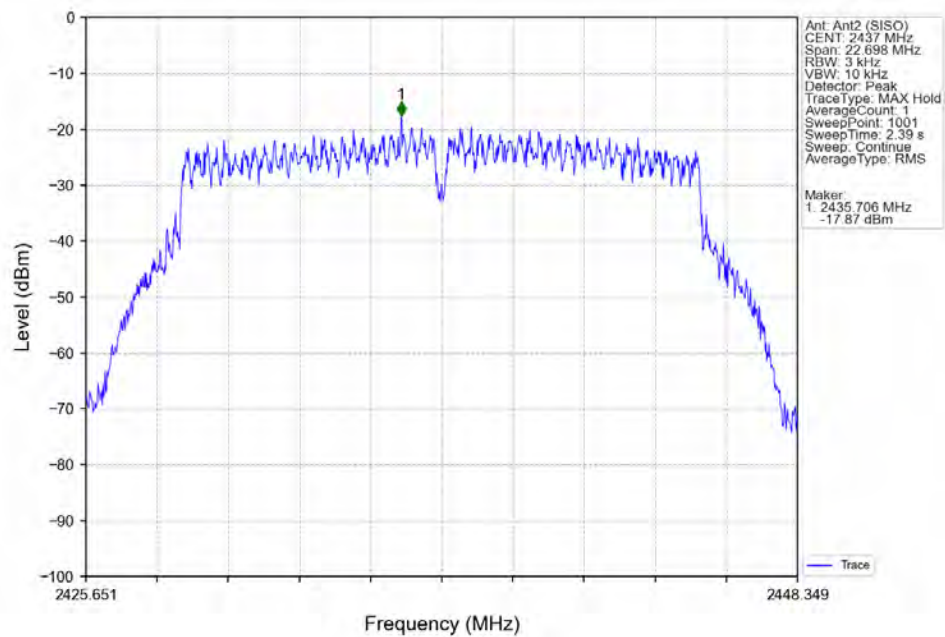
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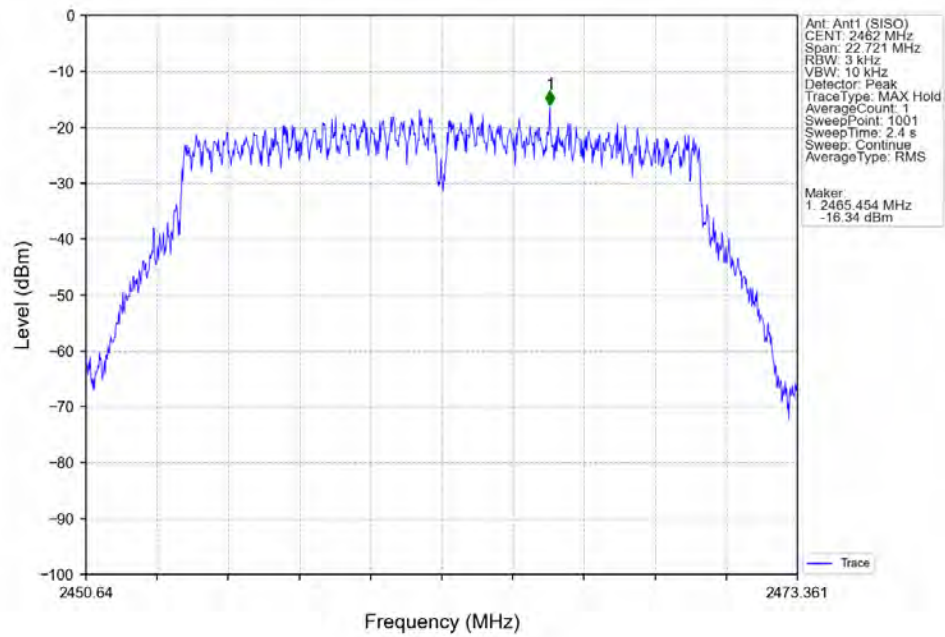
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



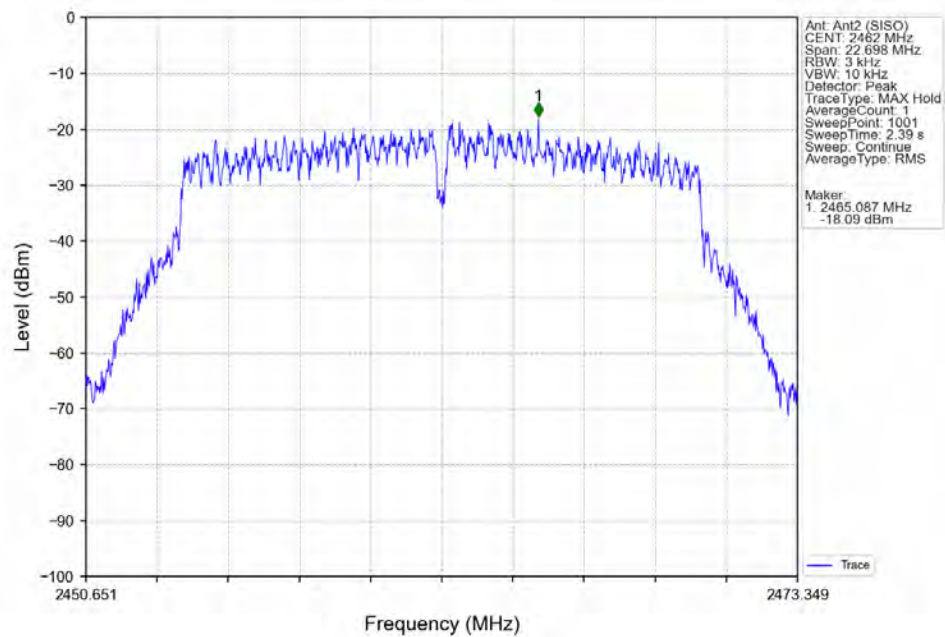
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



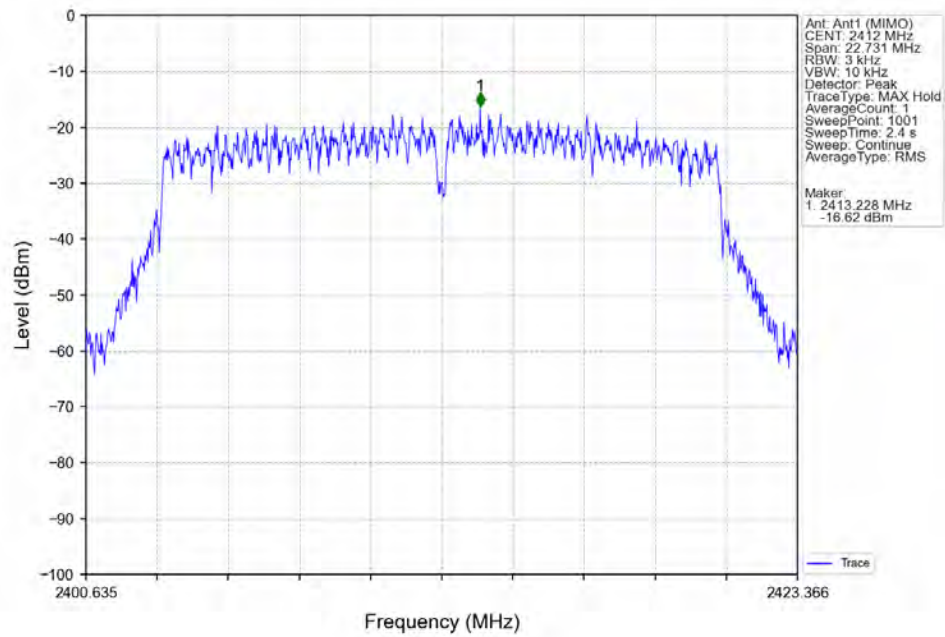
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



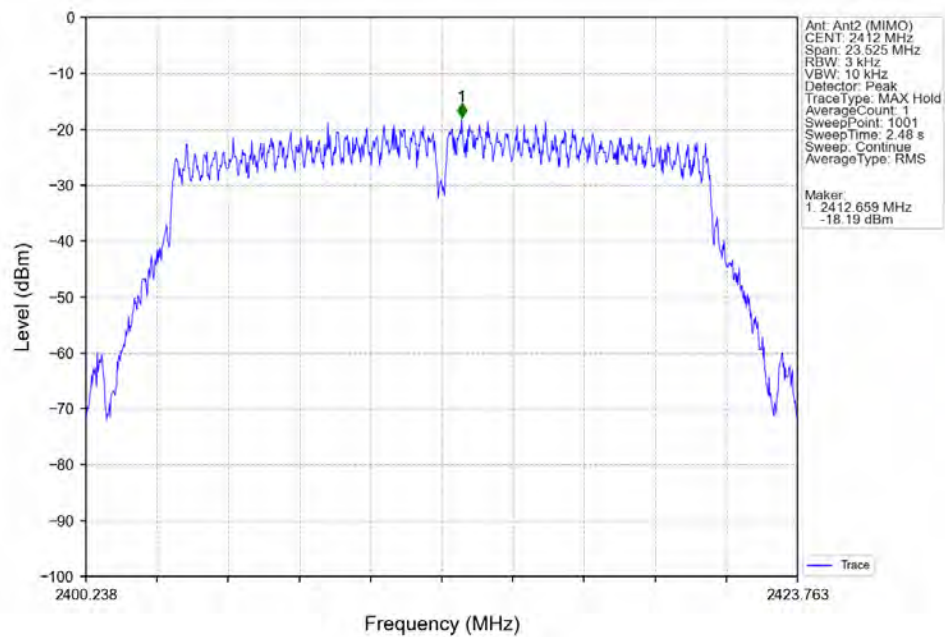
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



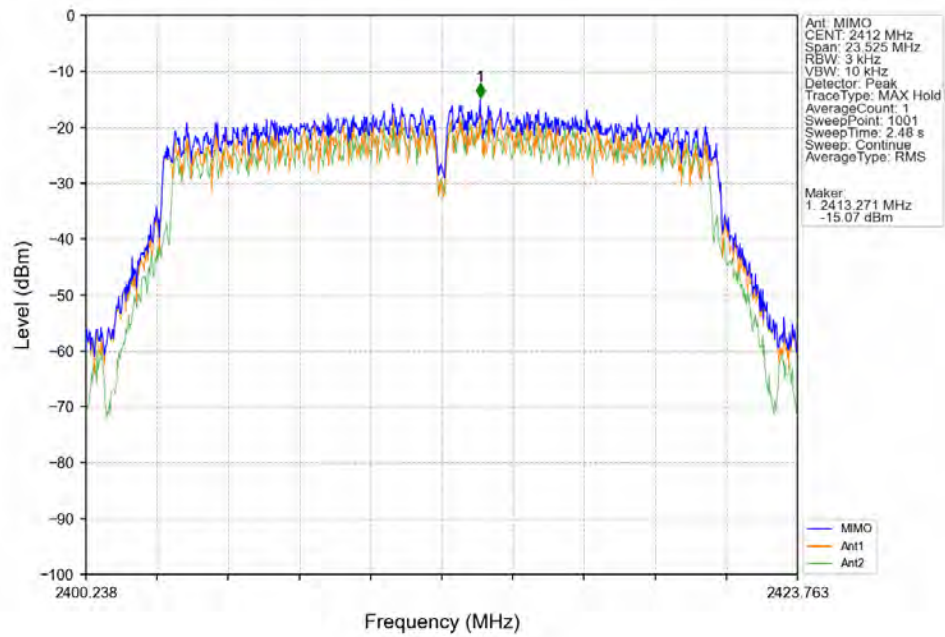
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO)_NTNV



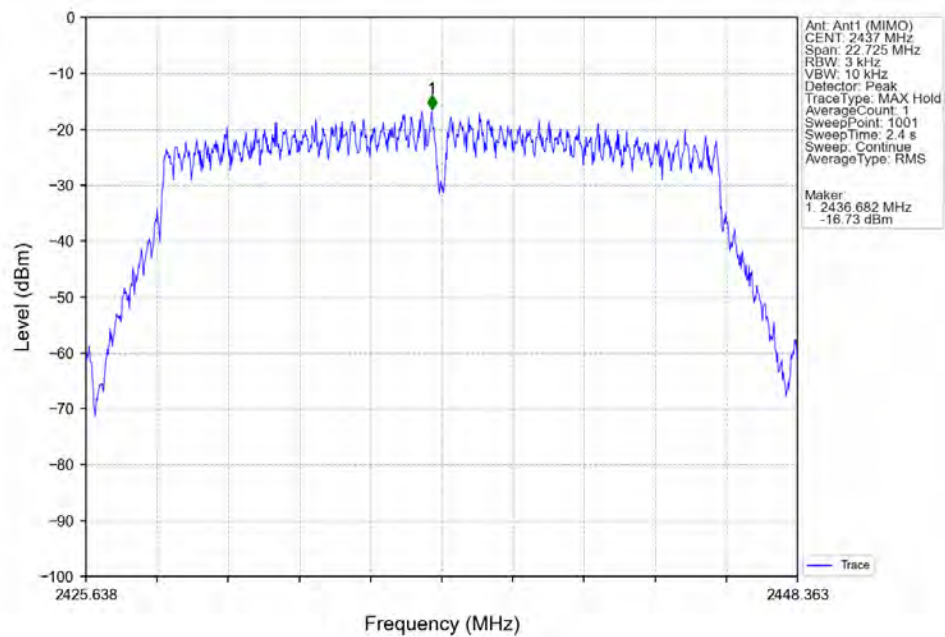
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO)_NTNV



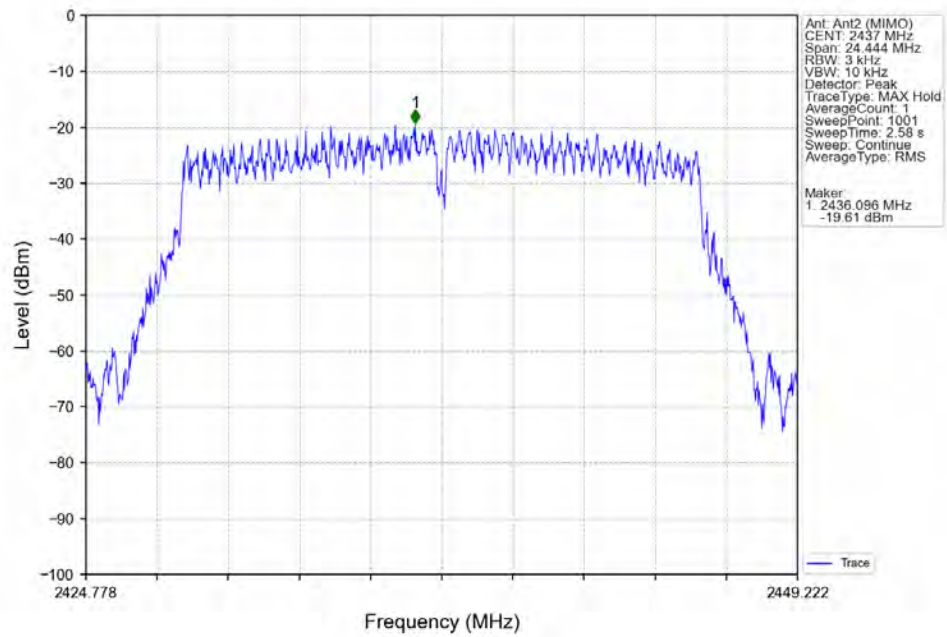
802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



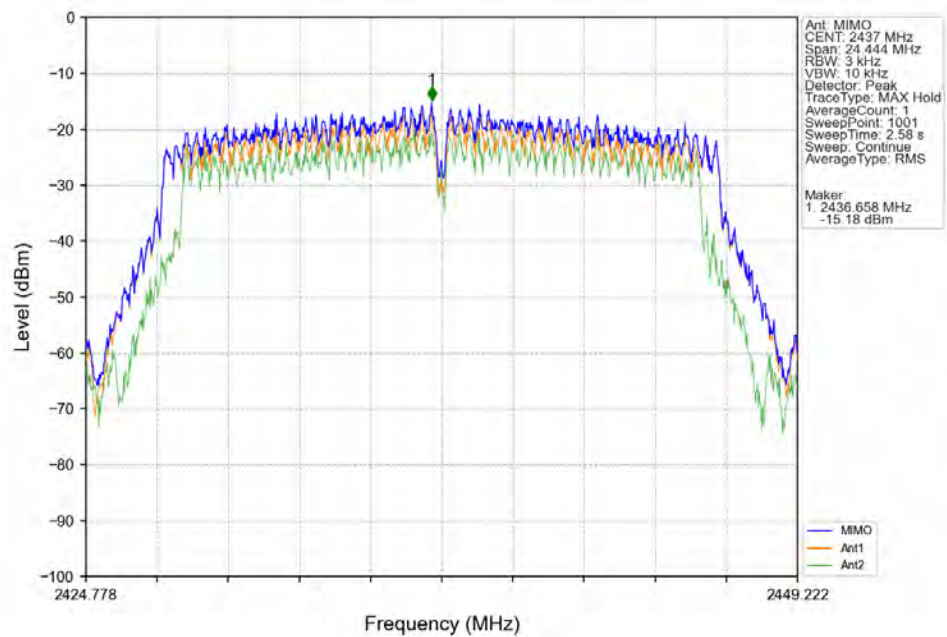
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO) NTN



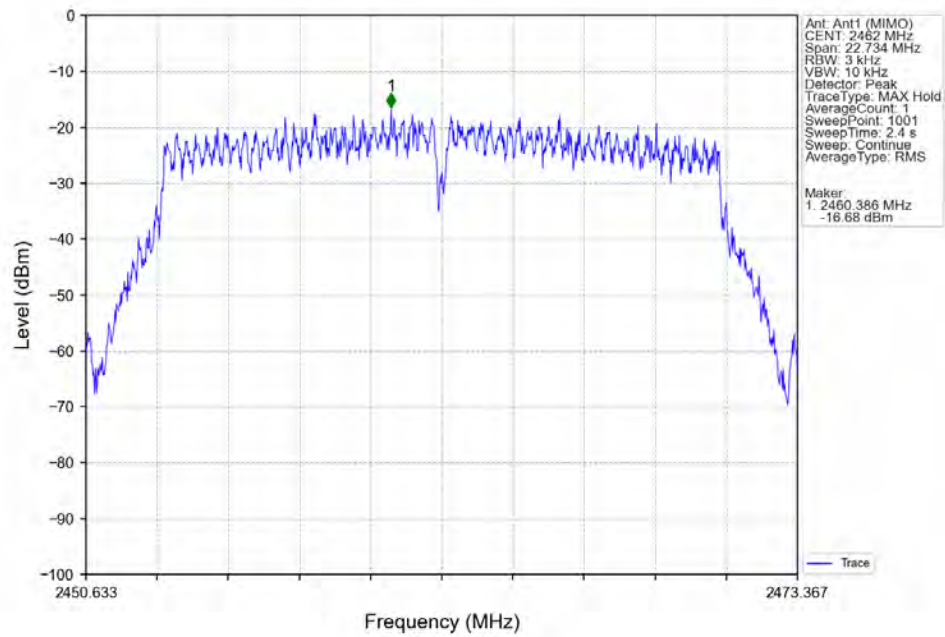
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



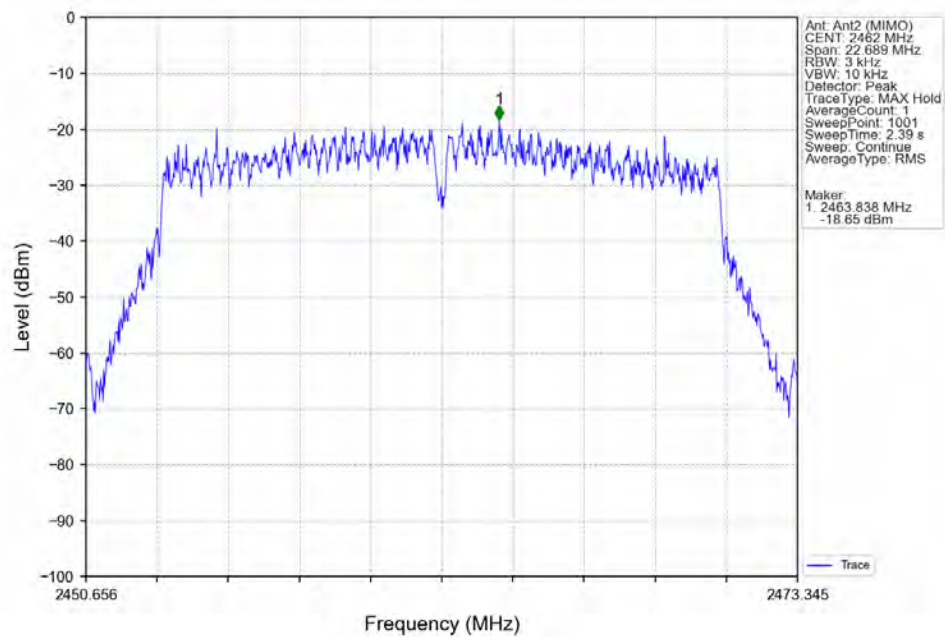
802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



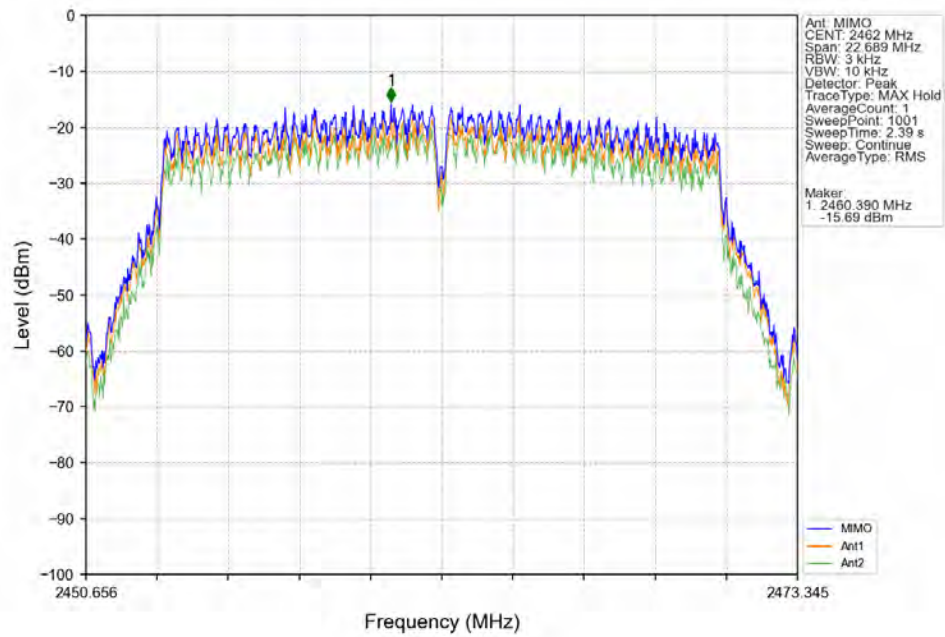
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO)_NTNV



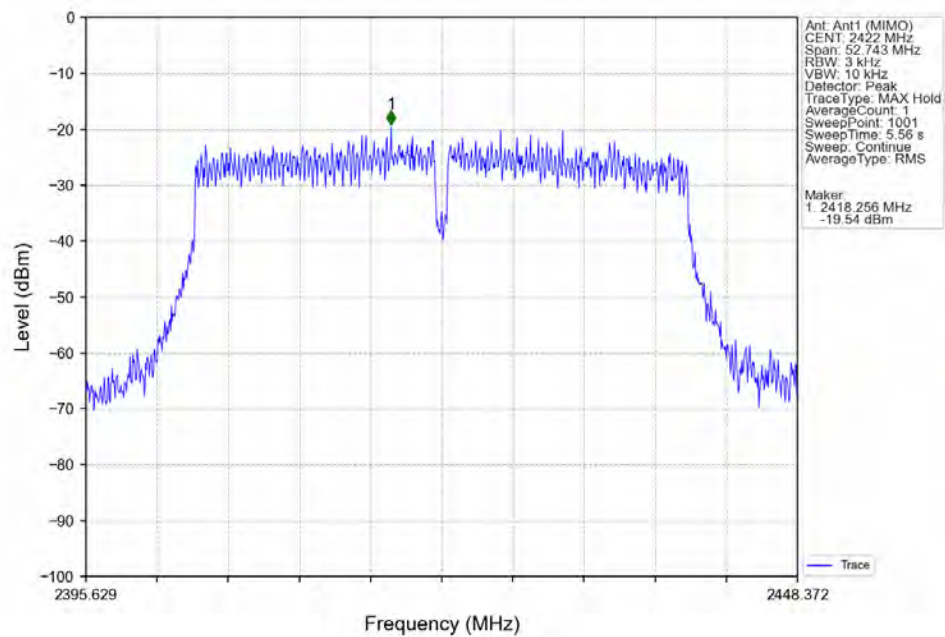
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO)_NTNV



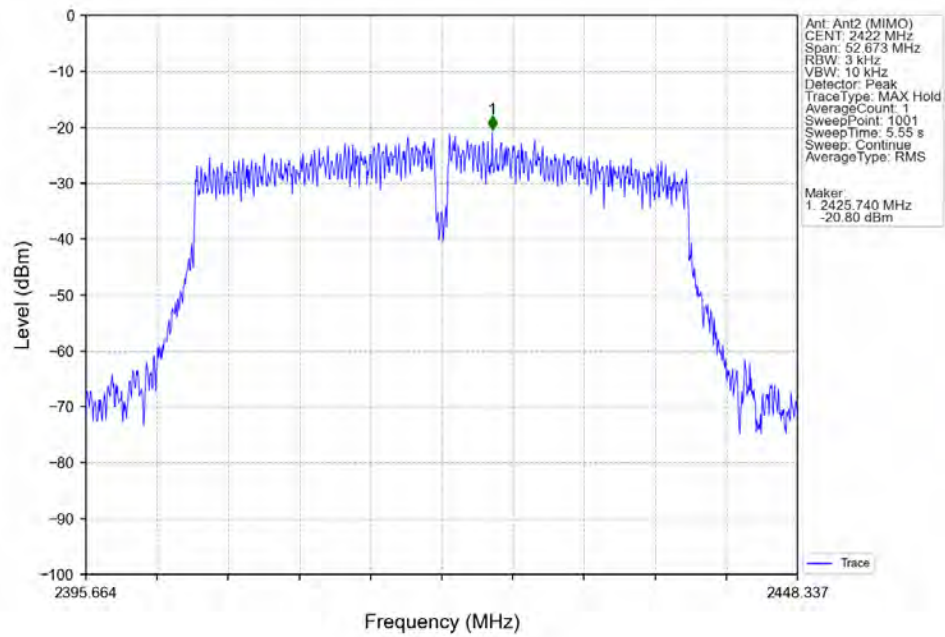
802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



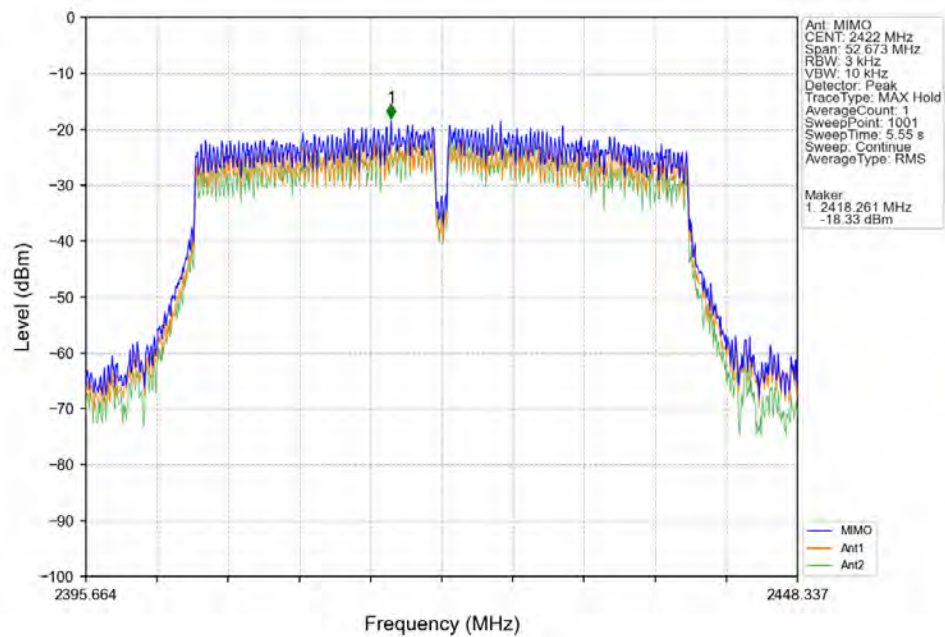
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO) NTN



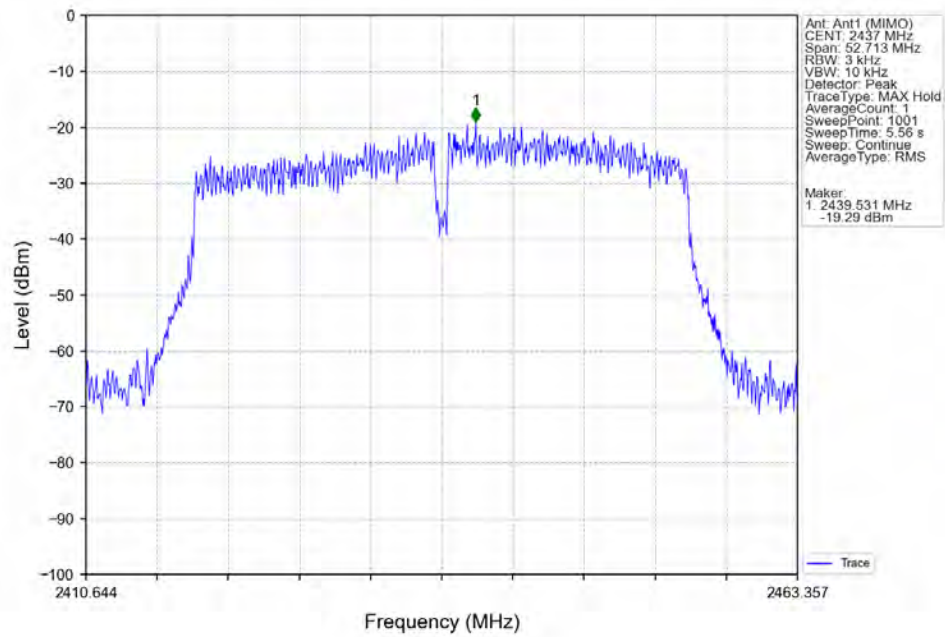
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



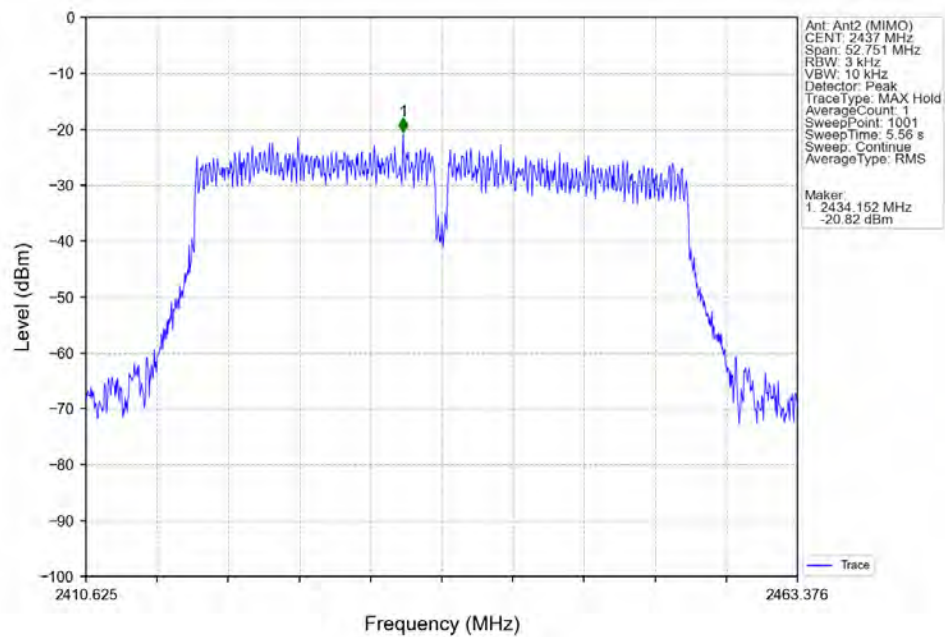
802.11n(HT40)_LCH_2422MHz MIMO NTV



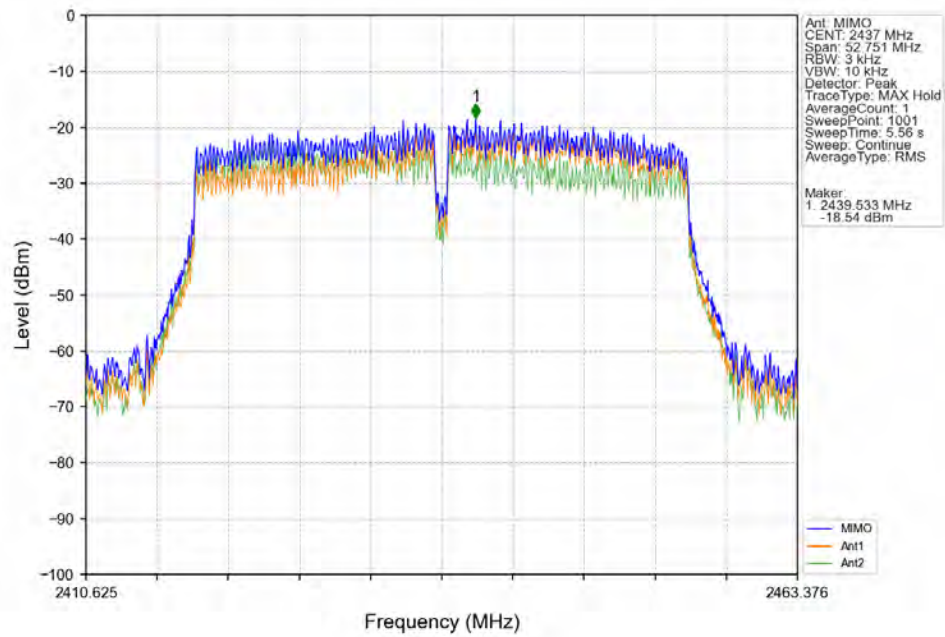
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



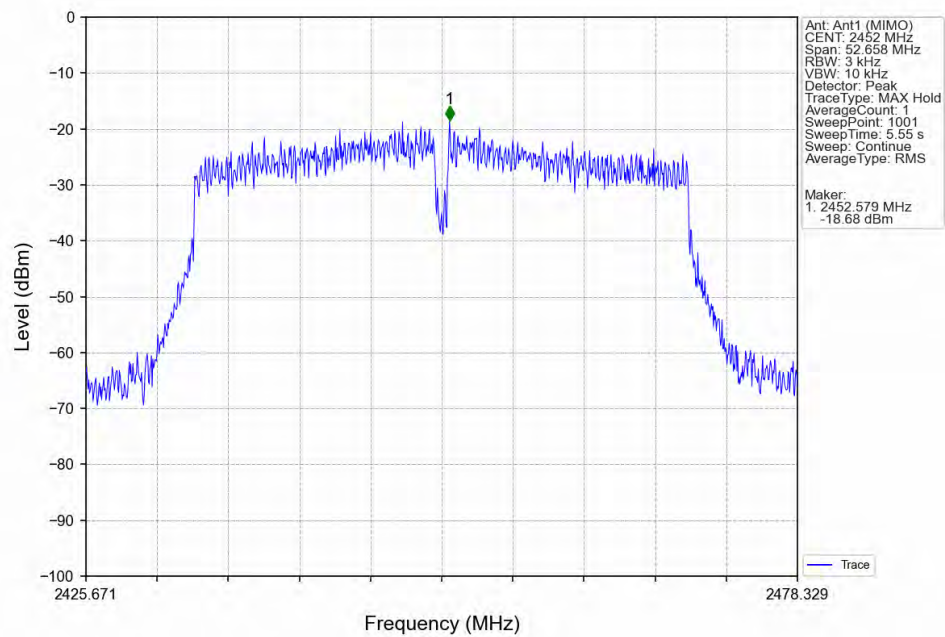
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



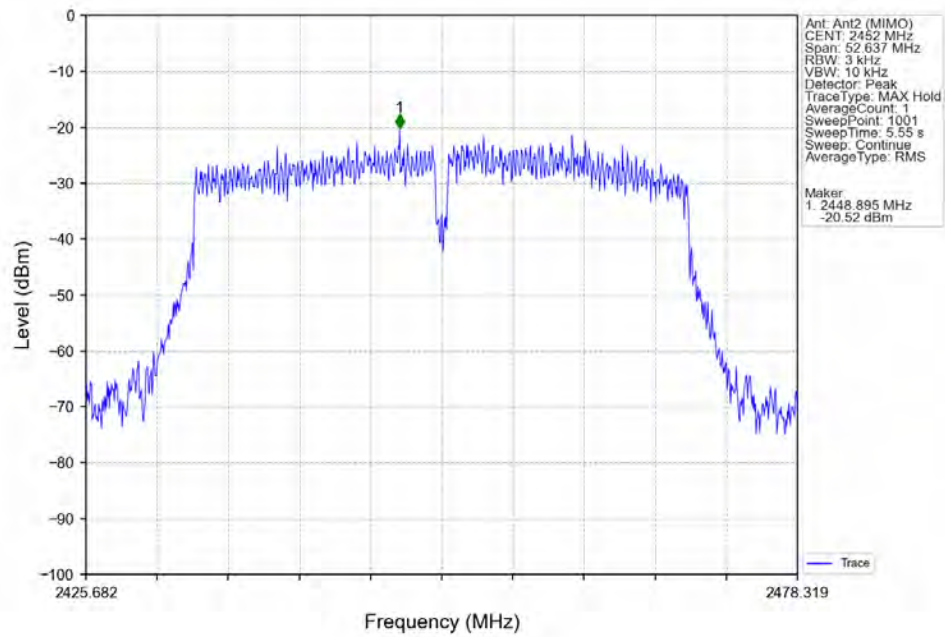
802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



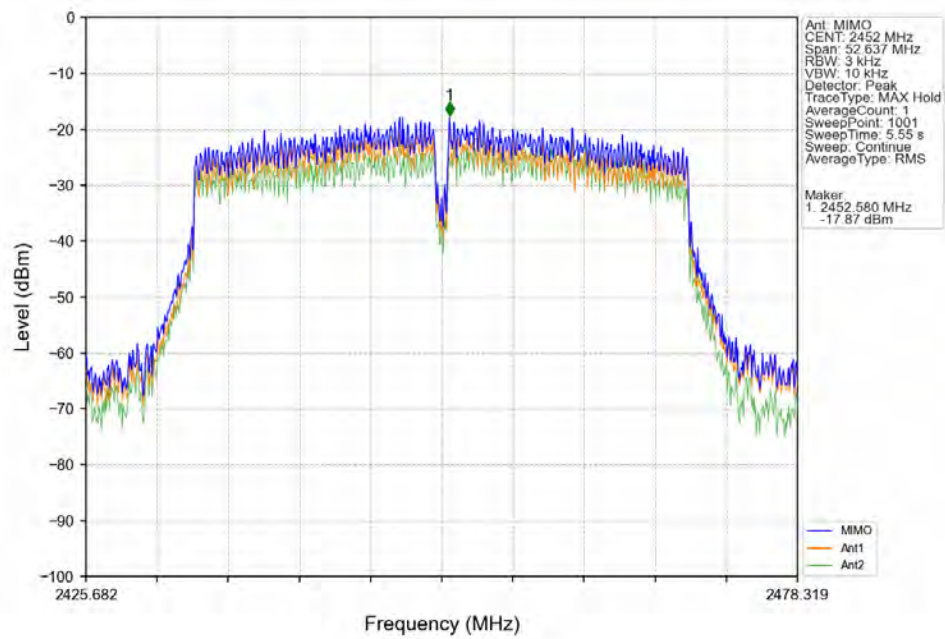
802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN



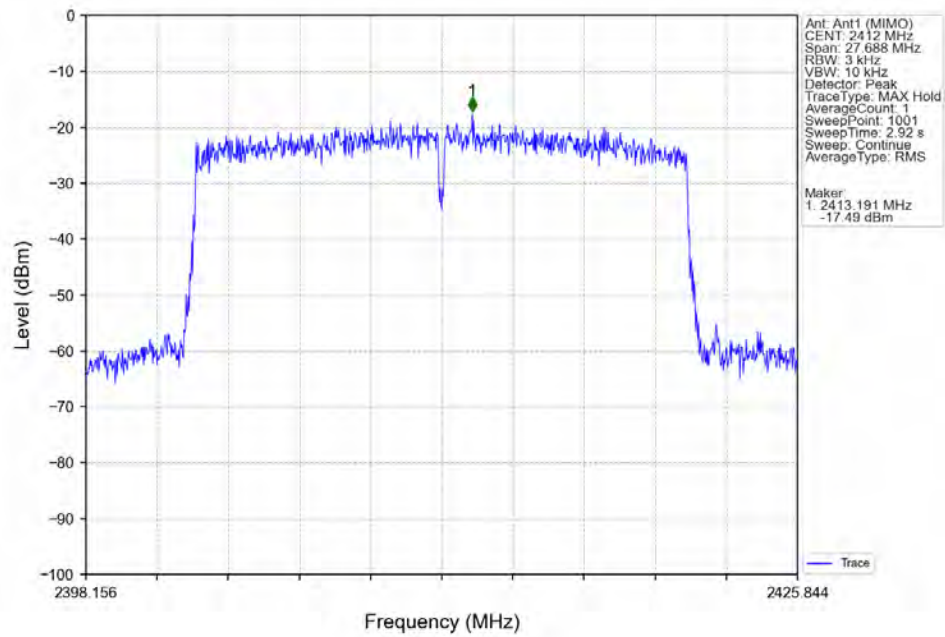
802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



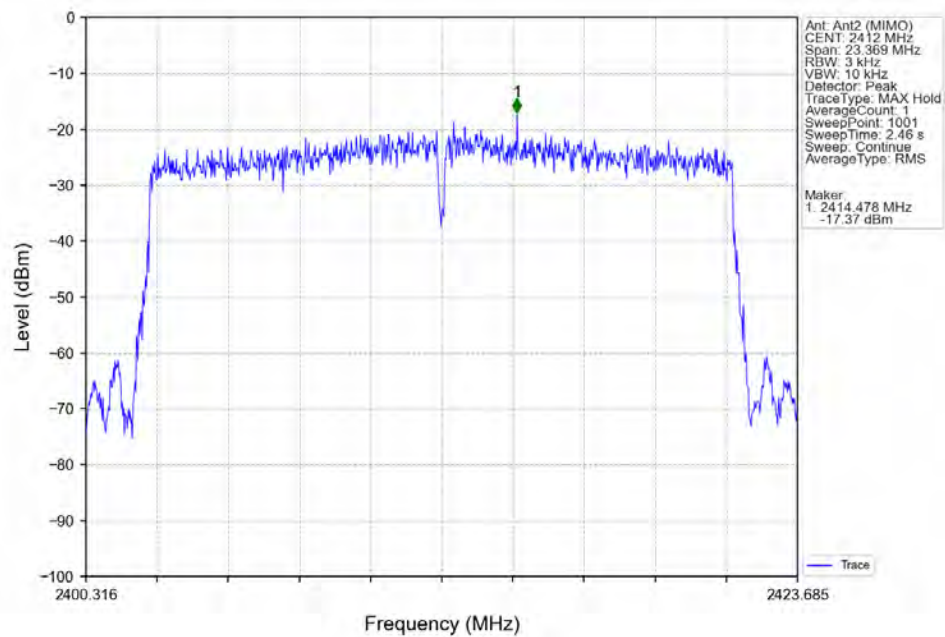
802.11n(HT40) HCH 2452MHz MIMO_NTNV



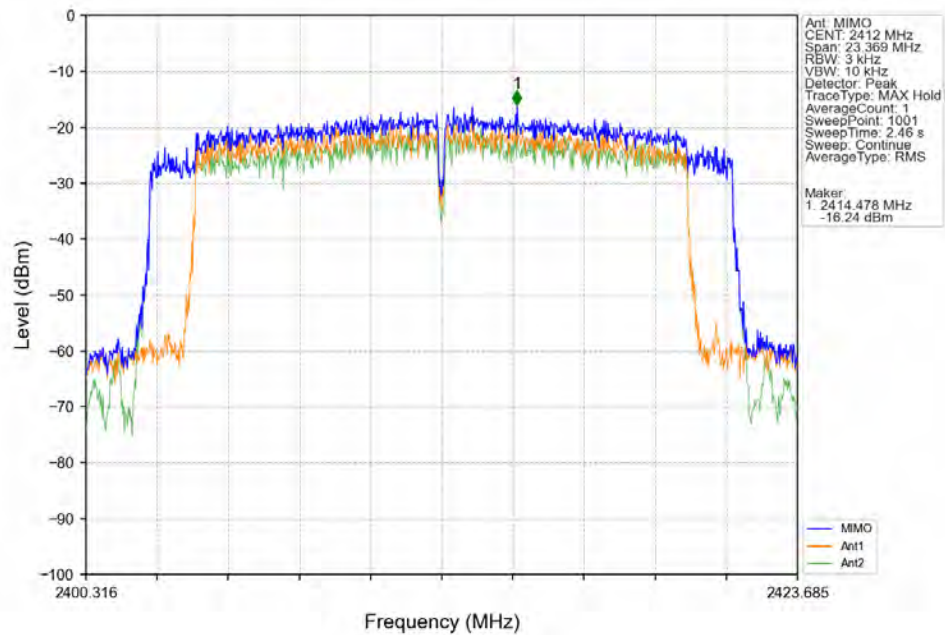
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTVN



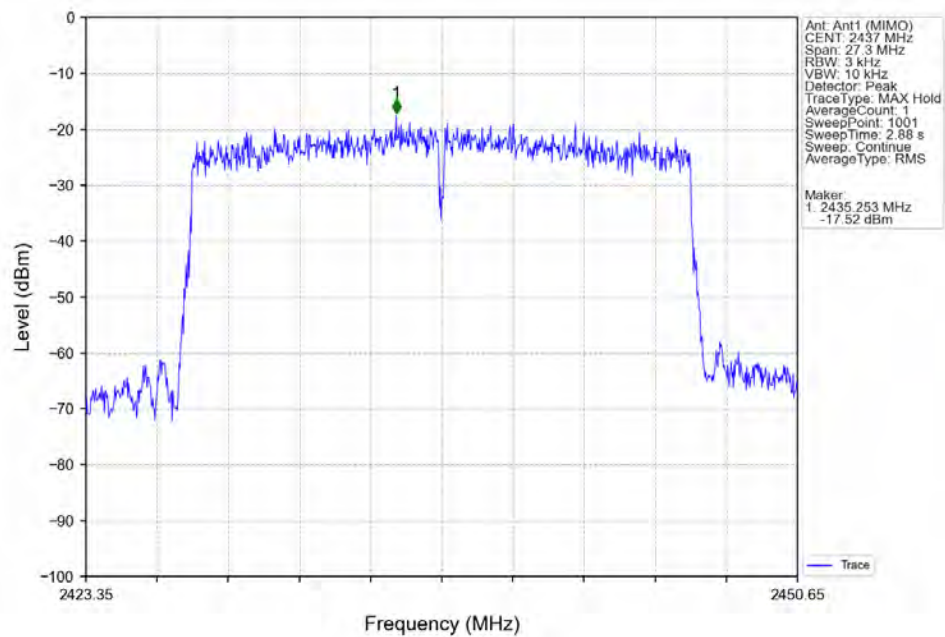
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTVN



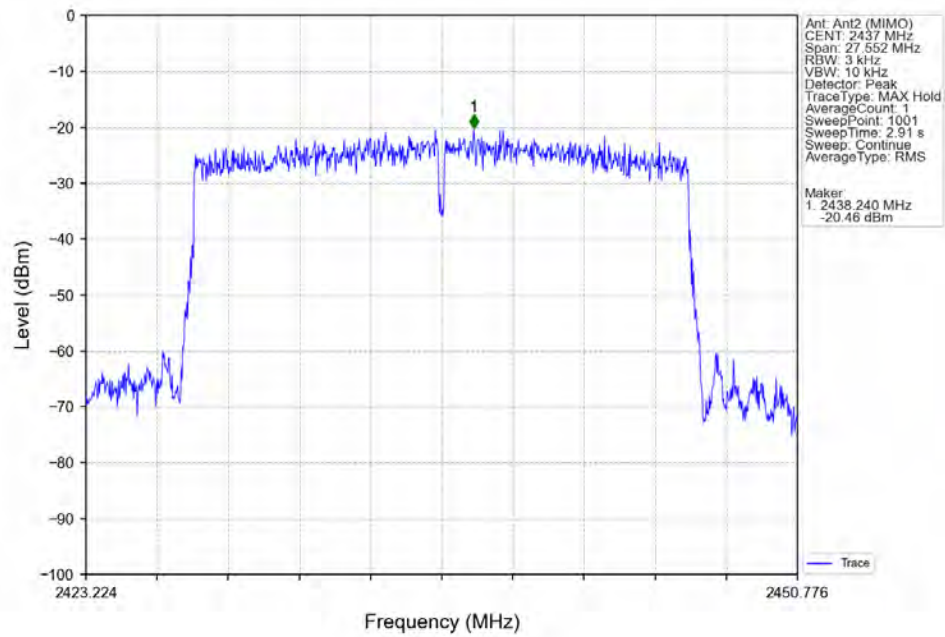
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV



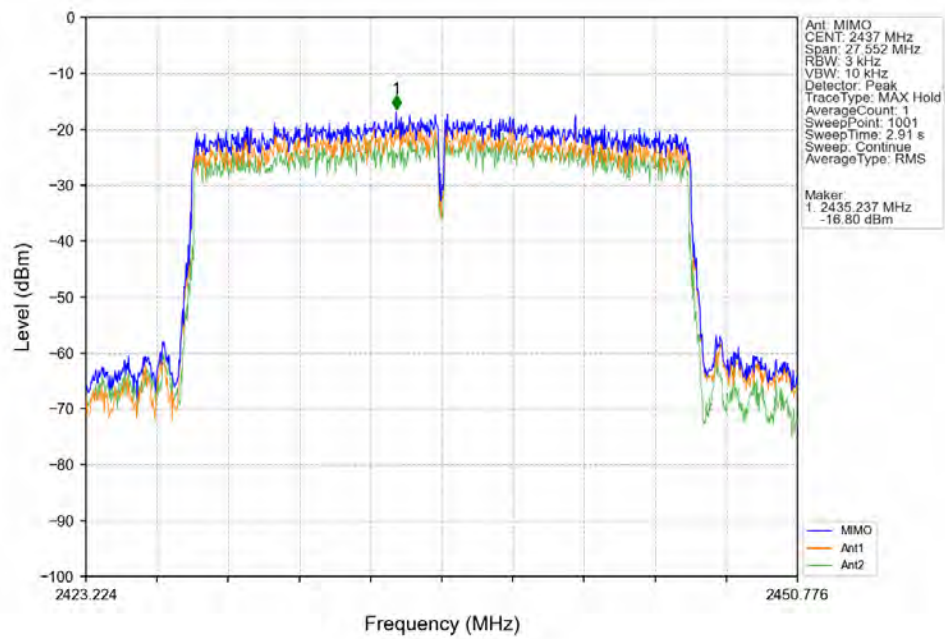
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1(MIMO)_NTNV



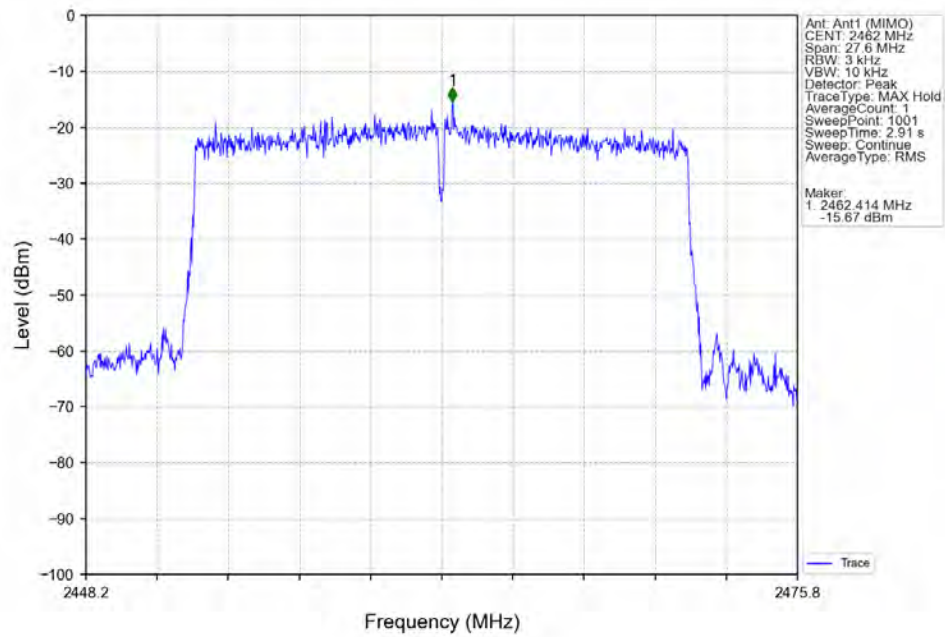
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



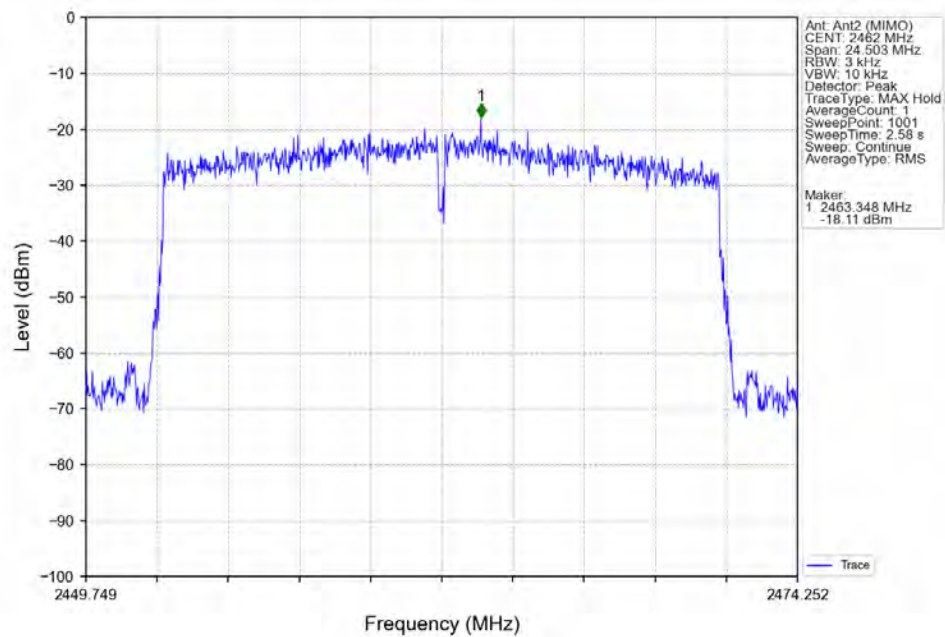
802.11ax(HEW20)_MCH_2437MHz_RU242_Left MIMO NTV



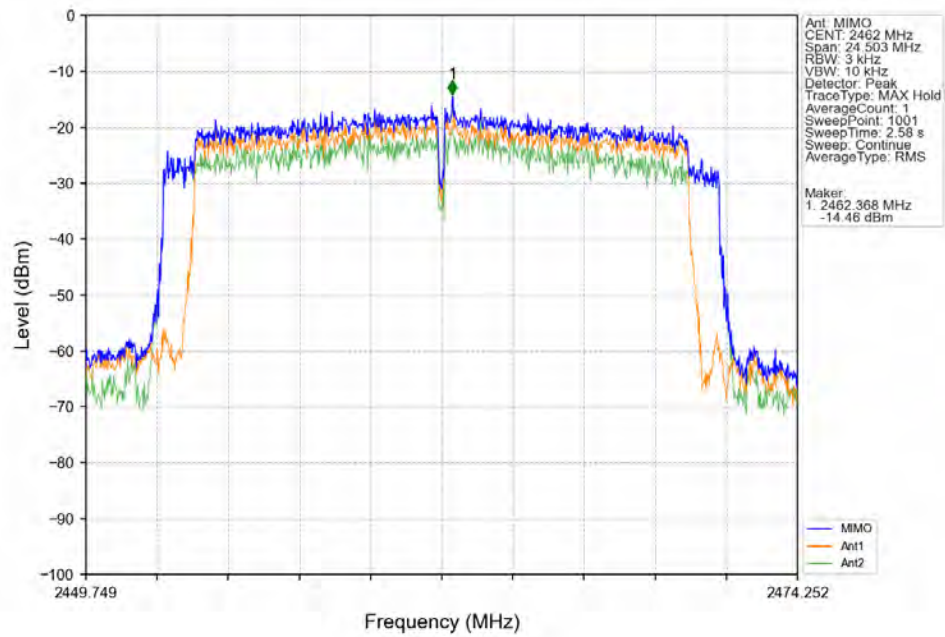
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



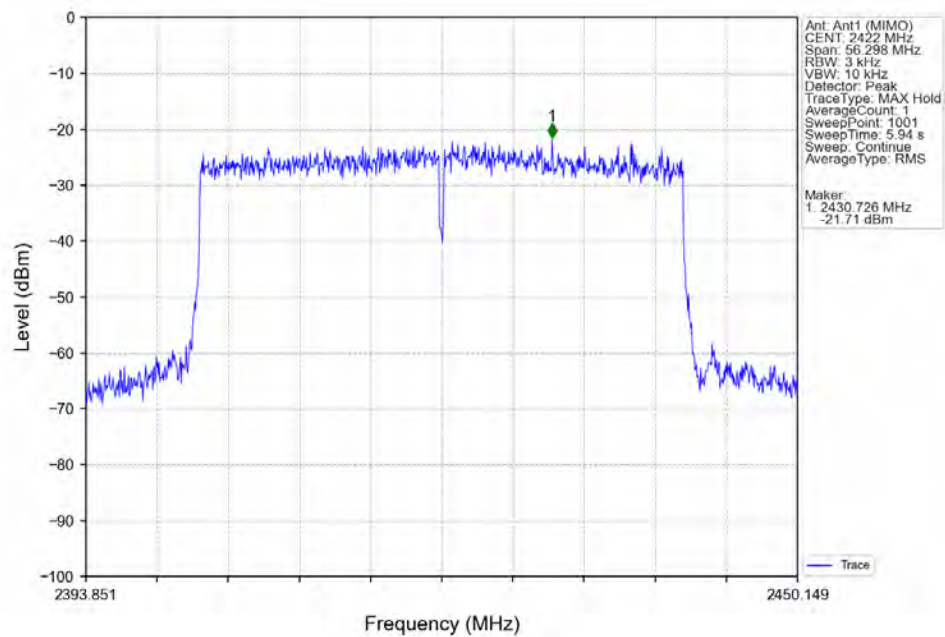
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



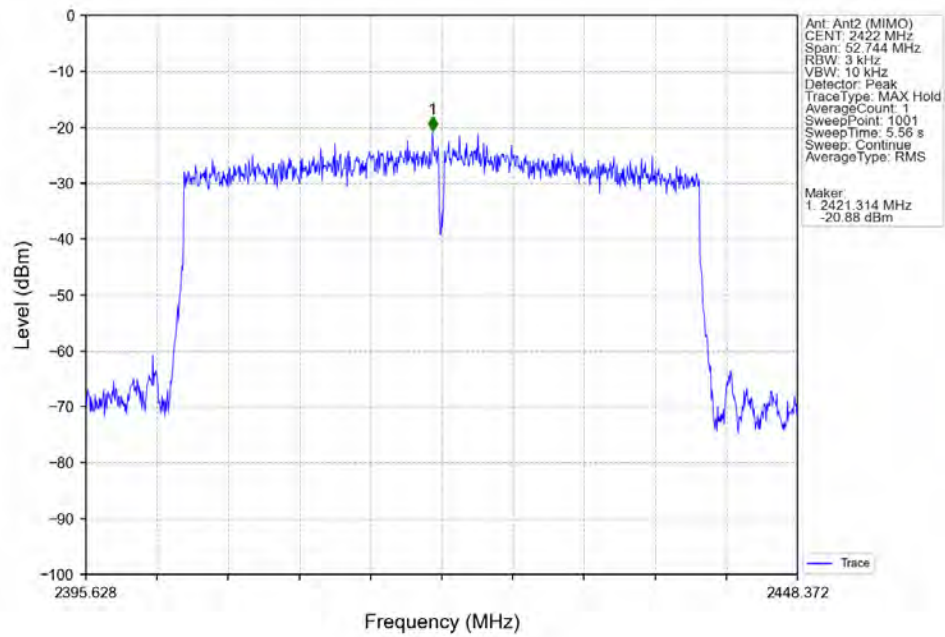
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_MIMO_NTNV



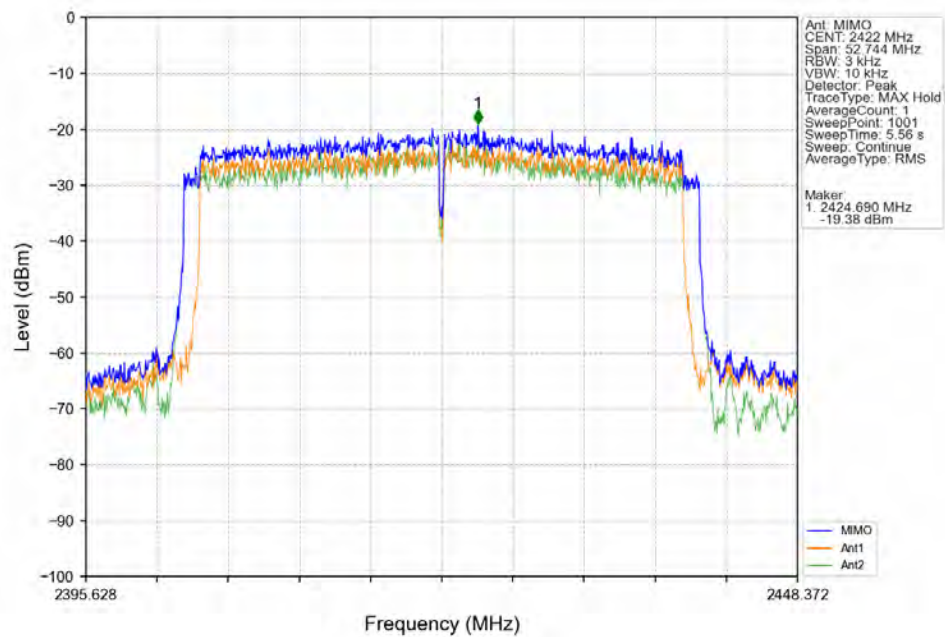
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1(MIMO)_NTNV



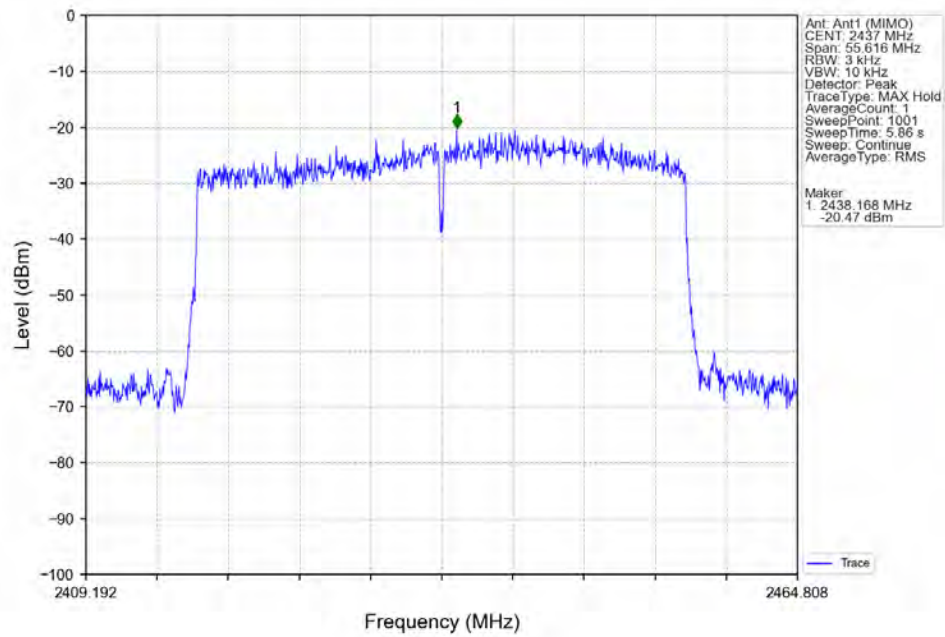
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



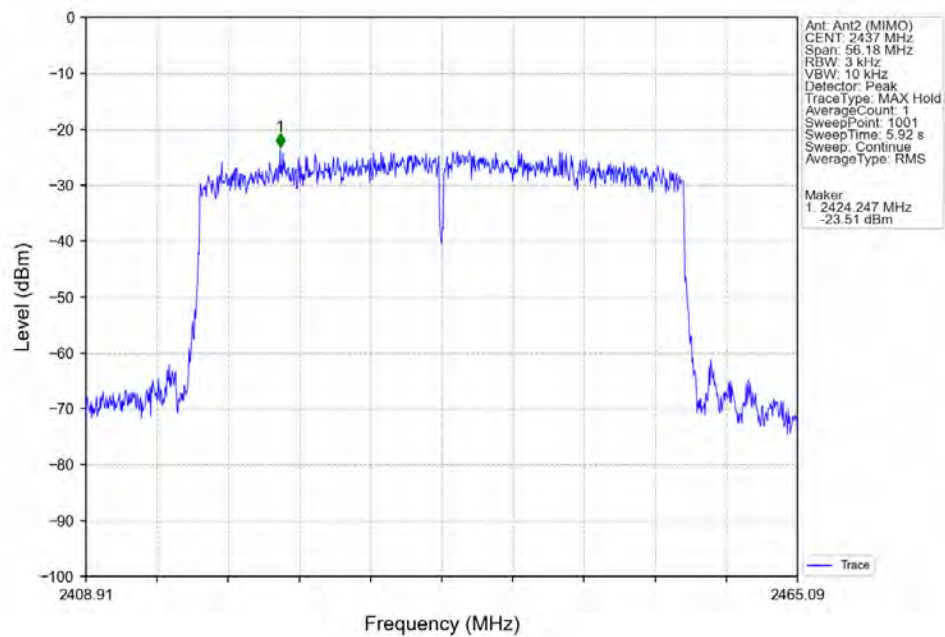
802.11ax(HEW40) LCH 2422MHz RU484 Left MIMO NTN



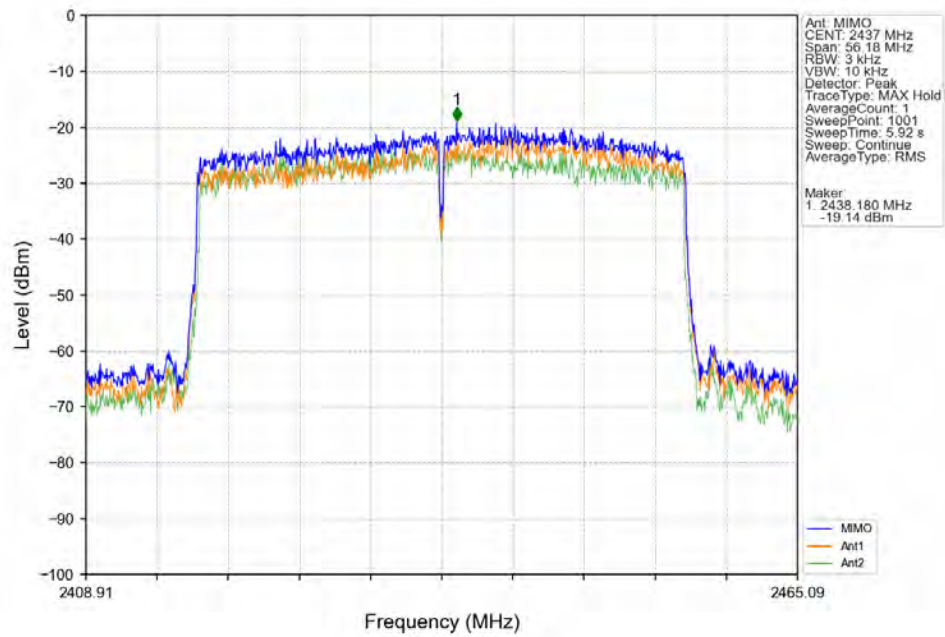
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



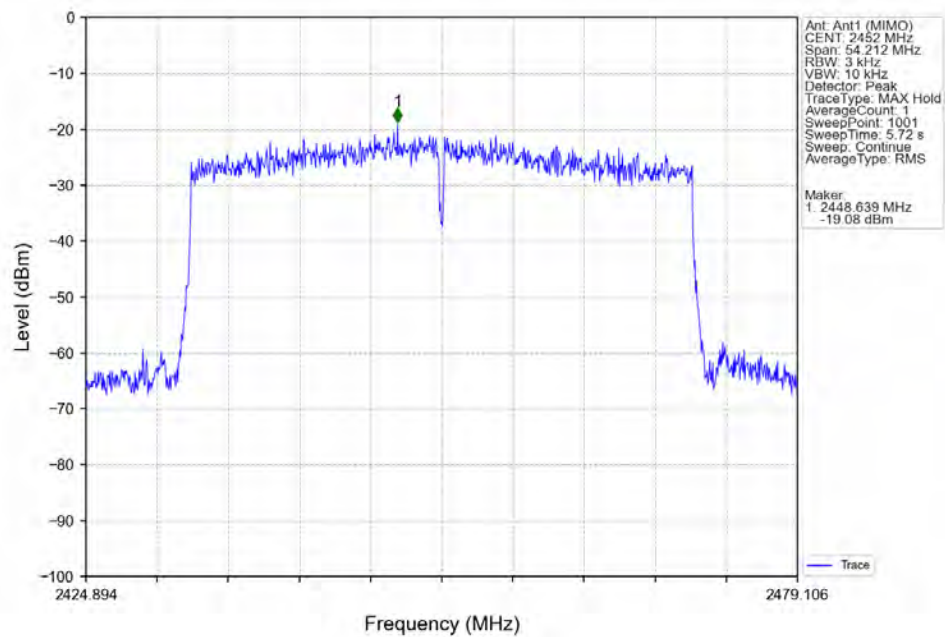
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant2 (MIMO)_NTNV



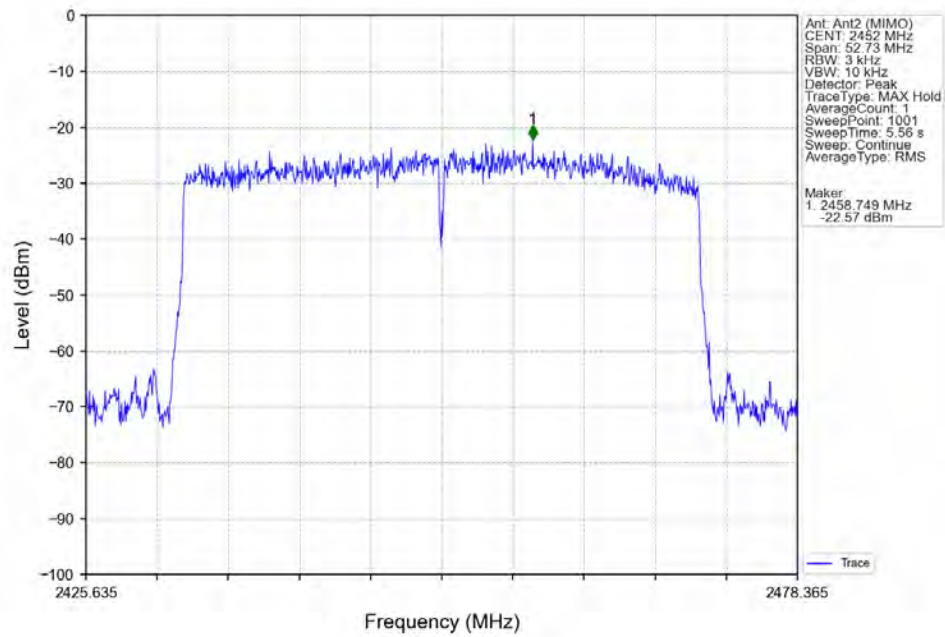
802.11ax(HEW40) MCH 2437MHz RU484 Left MIMO_NTNV



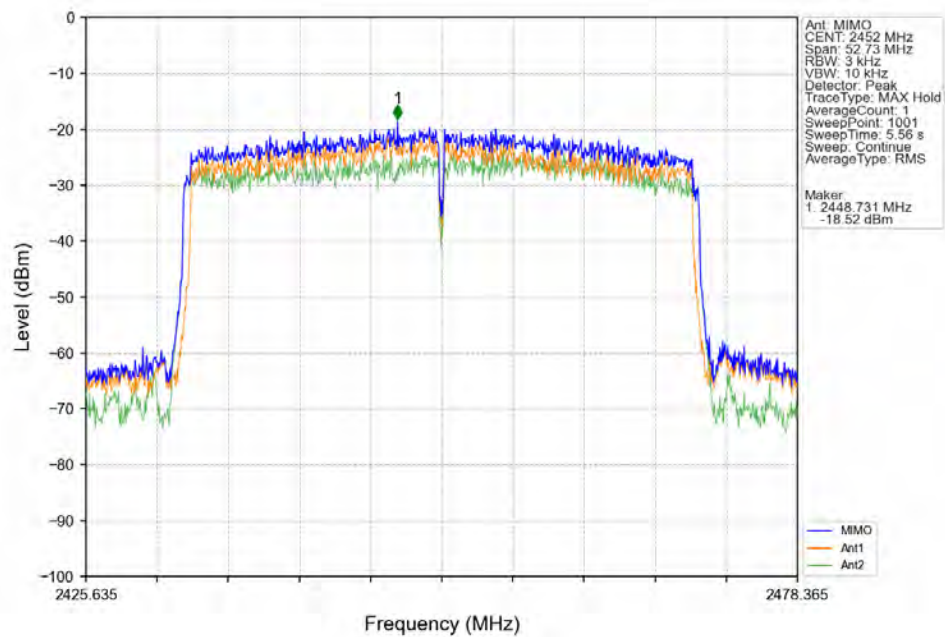
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTN



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left MIMO NTV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	4.61
					2	4.55
		2437	/	/	1	4.85
					2	3.01
		2462	/	/	1	4.30
					2	4.05
802.11g	SISO	2412	/	/	1	2.29
					2	-4.01
		2437	/	/	1	2.38
					2	-3.57
		2462	/	/	1	2.34
					2	-3.98
802.11n (HT20)	MIMO	2412	/	/	1	-2.40
					2	-3.75
		2437	/	/	1	-2.25
					2	-4.23
		2462	/	/	1	-2.02
					2	-3.30
802.11n (HT40)	MIMO	2422	/	/	1	-5.33
					2	-5.70
		2437	/	/	1	-4.35
					2	-6.71
		2452	/	/	1	-4.00
					2	-6.34
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	-2.04
					2	-3.99
		2437	RU242	Left	1	-2.09
					2	-4.27
		2462	RU242	Left	1	-2.43
					2	-3.68
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	-5.77
					2	-5.94
		2437	RU484	Left	1	-4.35
					2	-6.55
		2452	RU484	Left	1	-3.79
					2	-6.89
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	4.61	-15.39	Pass
					2	4.55	-15.45	Pass
		2437	/	/	1	4.85	-15.15	Pass

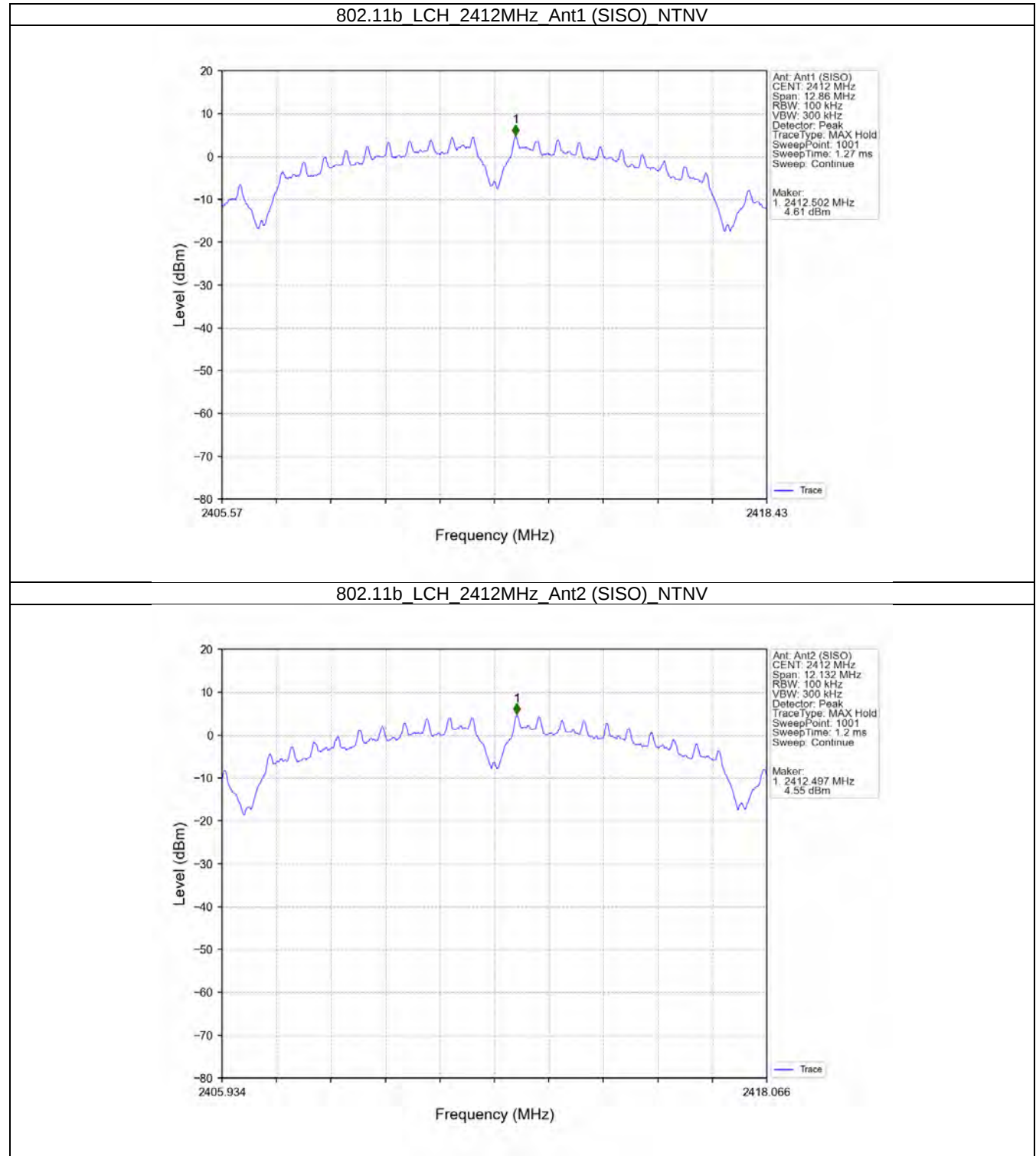


		2462	/	/	2	3.01	-16.99	Pass
					1	4.30	-15.70	Pass
					2	4.05	-15.95	Pass
802.11g	SISO	2412	/	/	1	2.29	-17.71	Pass
					2	-4.01	-24.01	Pass
		2437	/	/	1	2.38	-17.62	Pass
					2	-3.57	-23.57	Pass
		2462	/	/	1	2.34	-17.66	Pass
					2	-3.98	-23.98	Pass
802.11n (HT20)	MIMO	2412	/	/	1	-2.40	-22.40	Pass
					2	-3.75	-23.75	Pass
		2437	/	/	1	-2.25	-22.25	Pass
					2	-4.23	-24.23	Pass
		2462	/	/	1	-2.02	-22.02	Pass
					2	-3.30	-23.30	Pass
802.11n (HT40)	MIMO	2422	/	/	1	-5.33	-25.33	Pass
					2	-5.70	-25.70	Pass
		2437	/	/	1	-4.35	-24.35	Pass
					2	-6.71	-26.71	Pass
		2452	/	/	1	-4.00	-24.00	Pass
					2	-6.34	-26.34	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	-2.04	-22.04	Pass
					2	-3.99	-23.99	Pass
		2437	RU242	Left	1	-2.09	-22.09	Pass
					2	-4.27	-24.27	Pass
		2462	RU242	Left	1	-2.43	-22.43	Pass
					2	-3.68	-23.68	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	-5.77	-25.77	Pass
					2	-5.94	-25.94	Pass
		2437	RU484	Left	1	-4.35	-24.35	Pass
					2	-6.55	-26.55	Pass
		2452	RU484	Left	1	-3.79	-23.79	Pass
					2	-6.89	-26.89	Pass

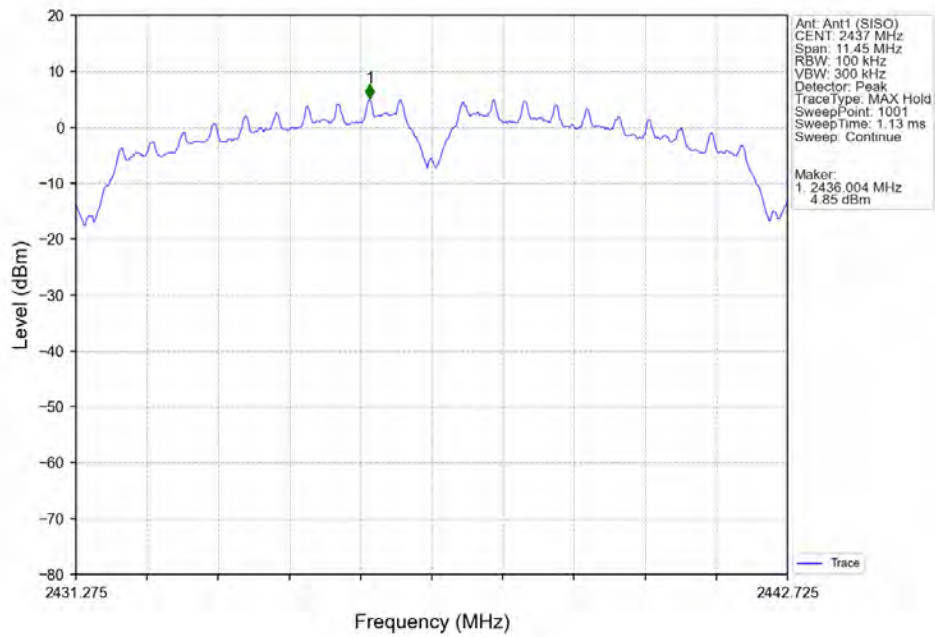
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

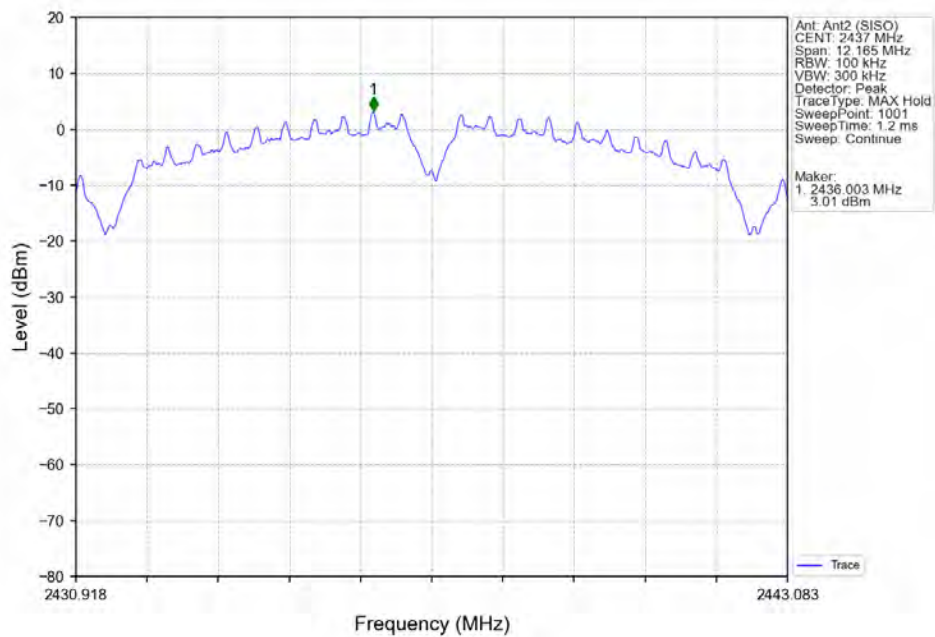
5.2.1 Ref



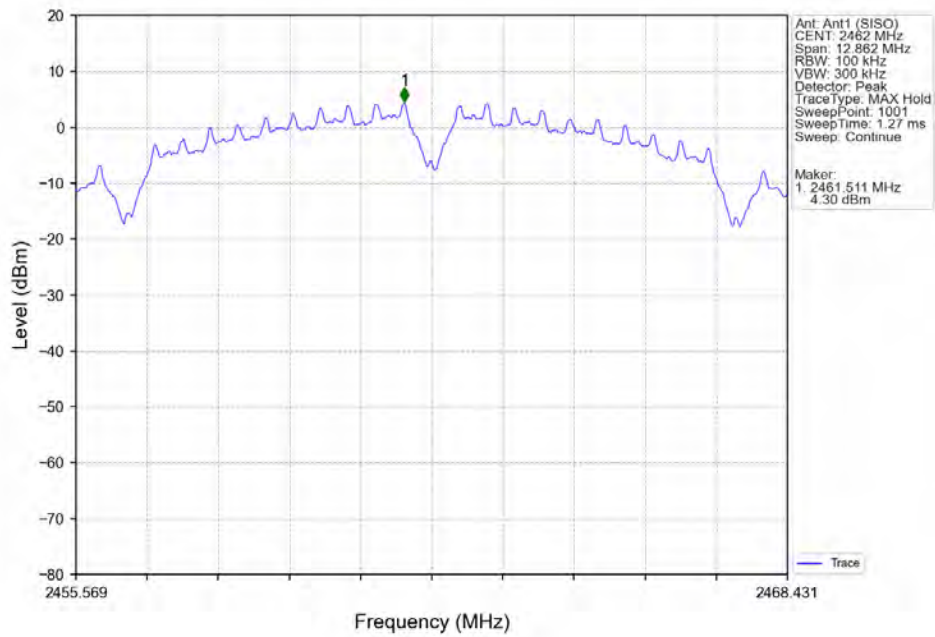
802.11b MCH 2437MHz_Ant1 (SISO)_NTNV



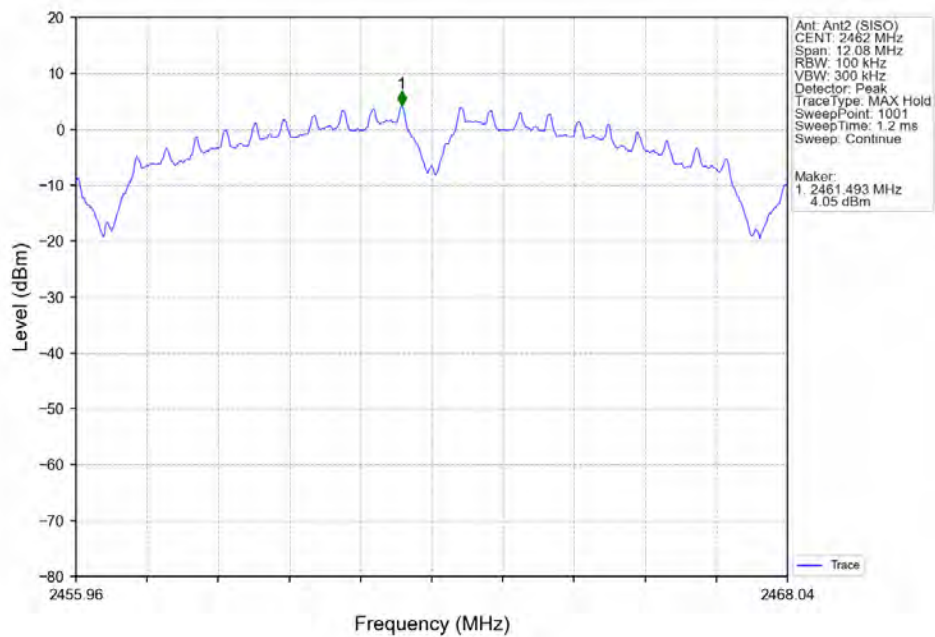
802.11b MCH 2437MHz_Ant2 (SISO)_NTNV



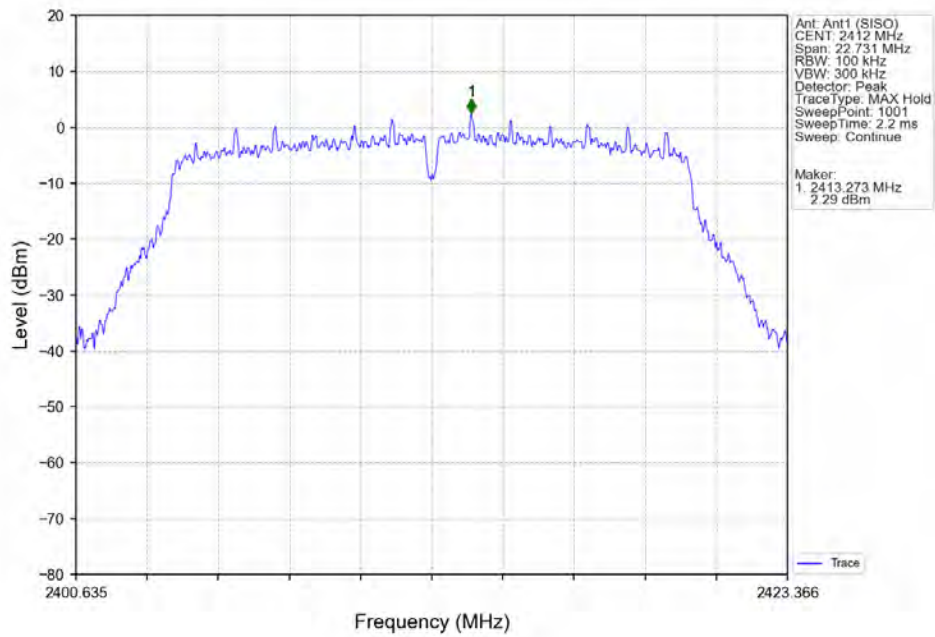
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



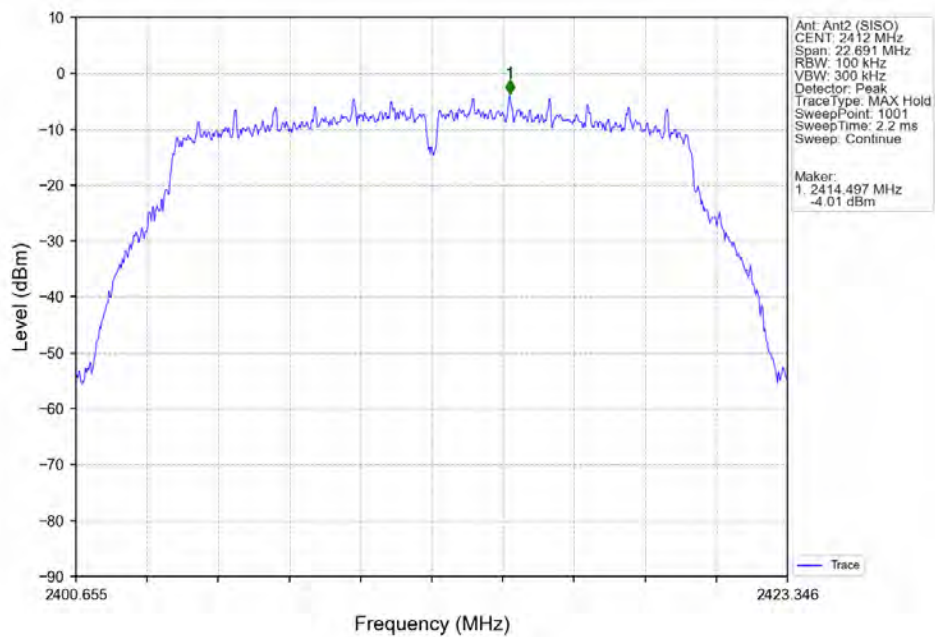
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



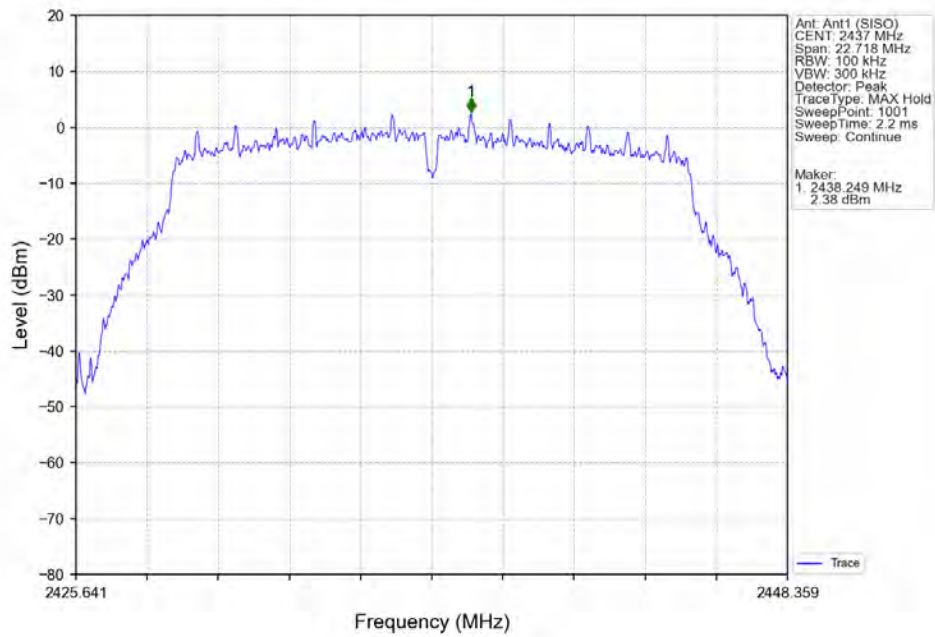
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



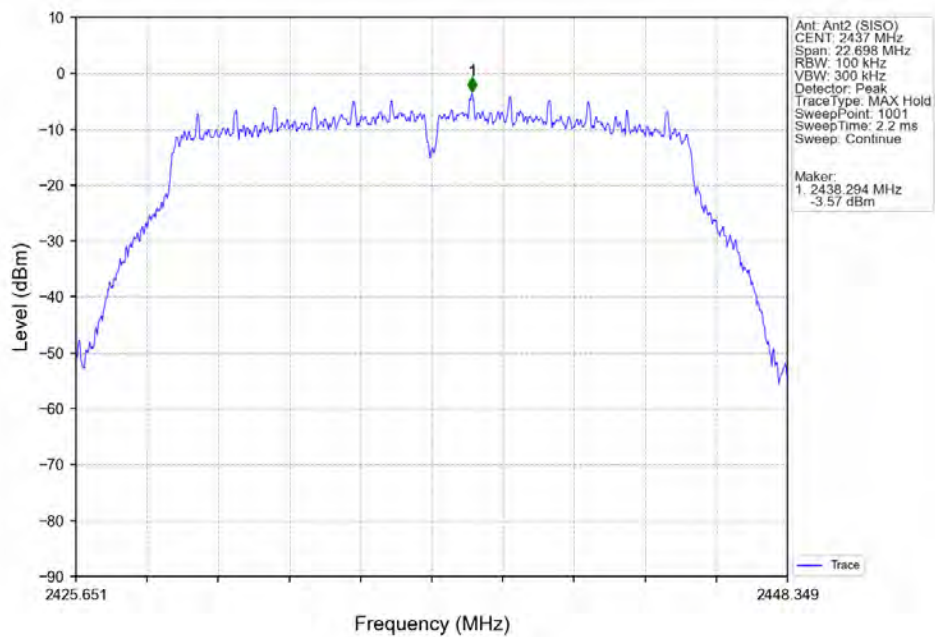
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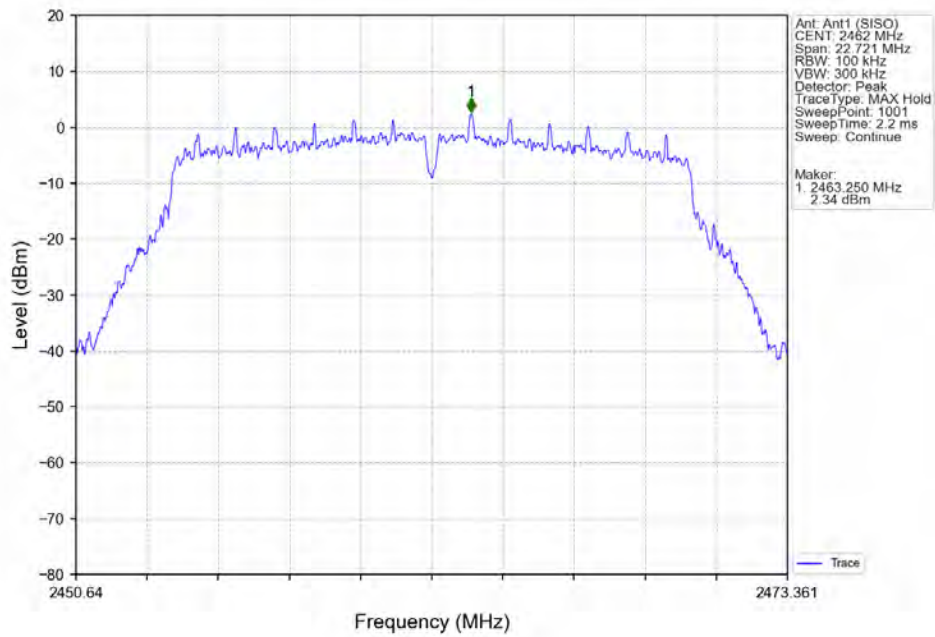
802.11g MCH_2437MHz_Ant1 (SISO)_NTNV



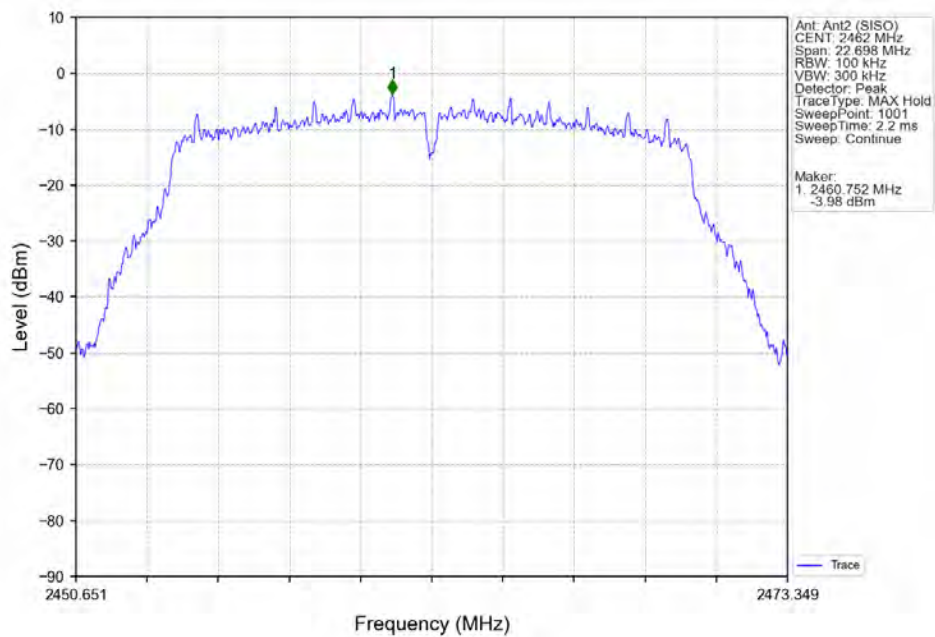
802.11g MCH_2437MHz_Ant2 (SISO)_NTNV



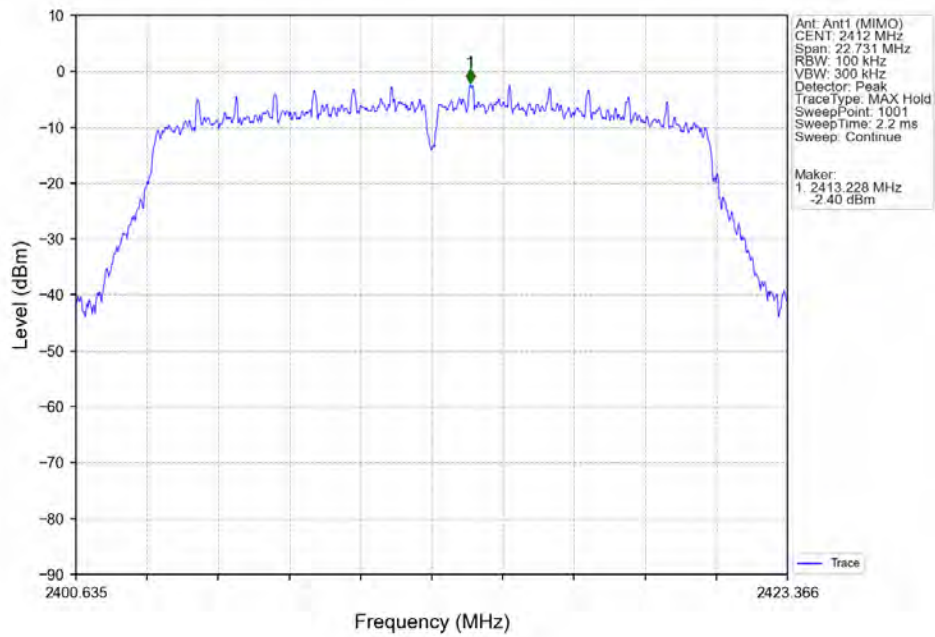
802.11g HCH 2462MHz_Ant1 (SISO)_NTNV



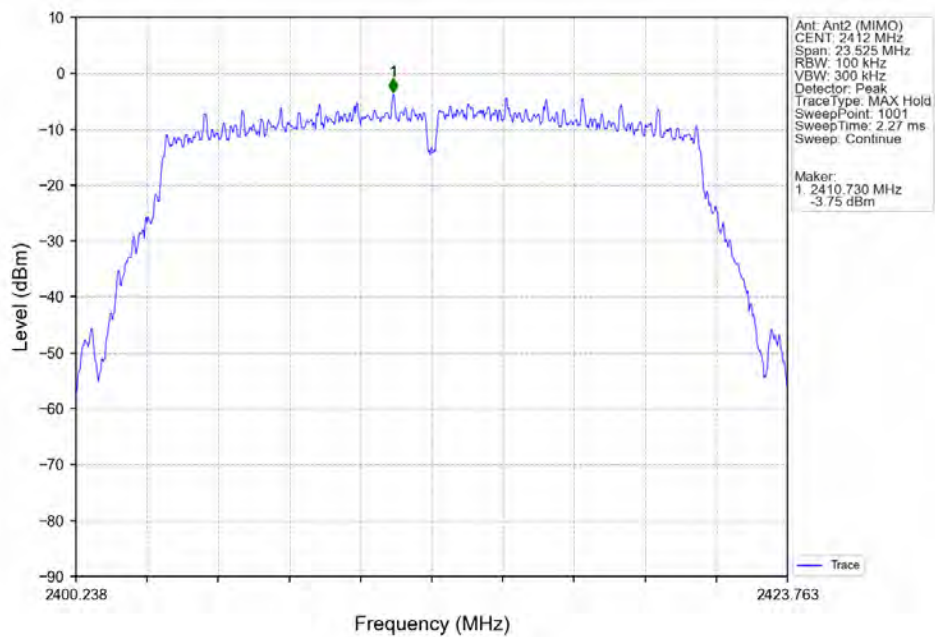
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



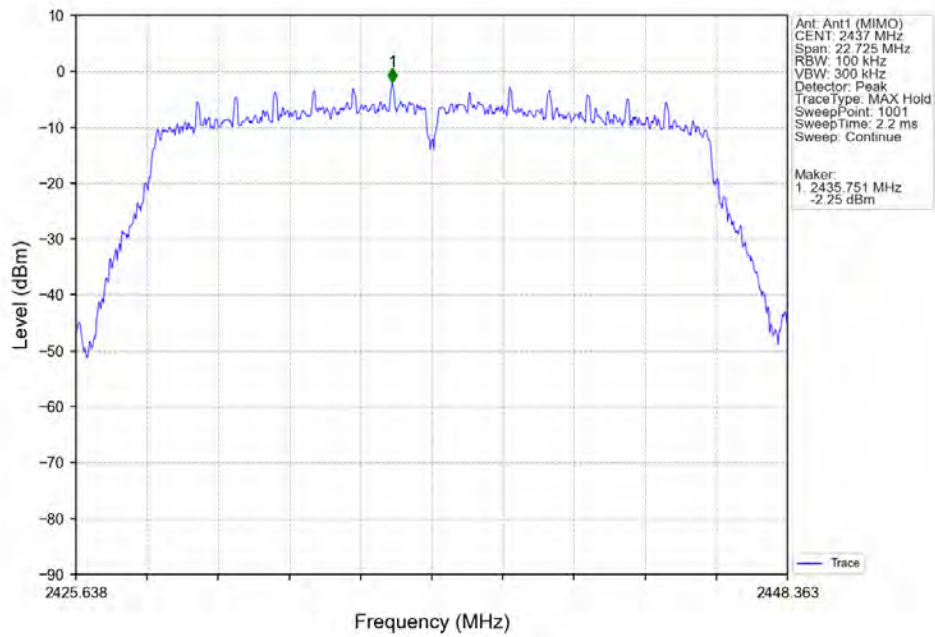
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



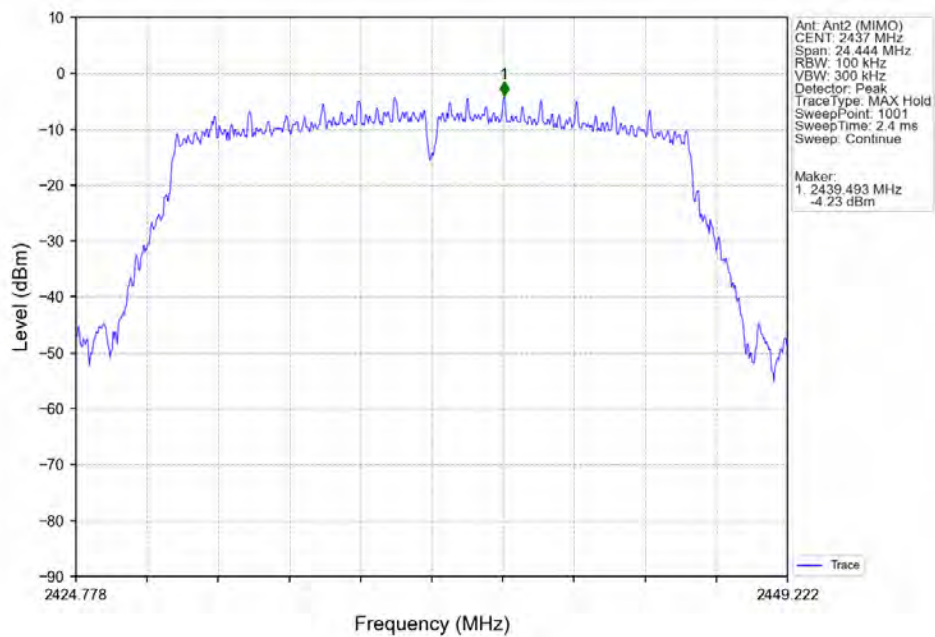
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



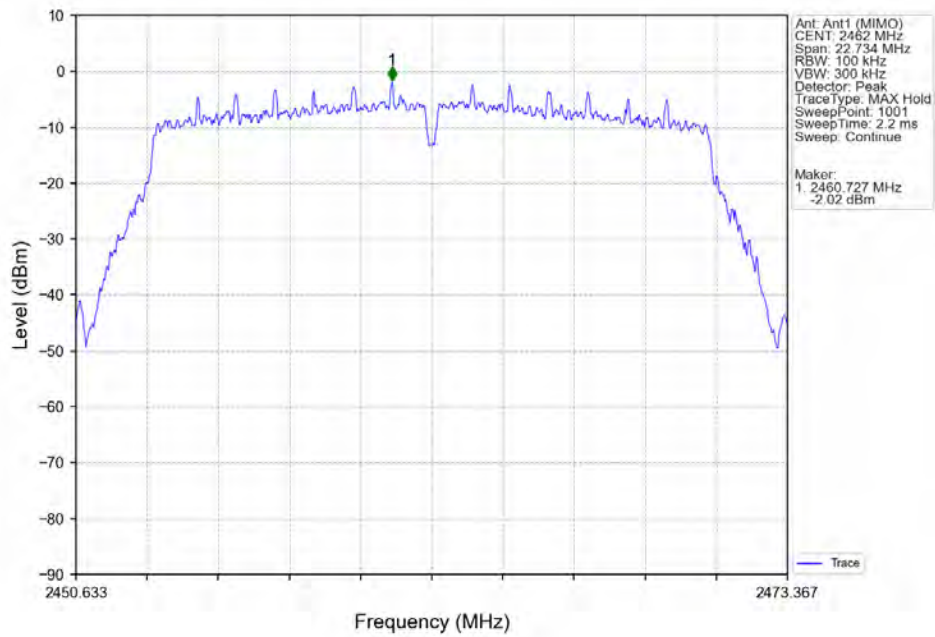
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



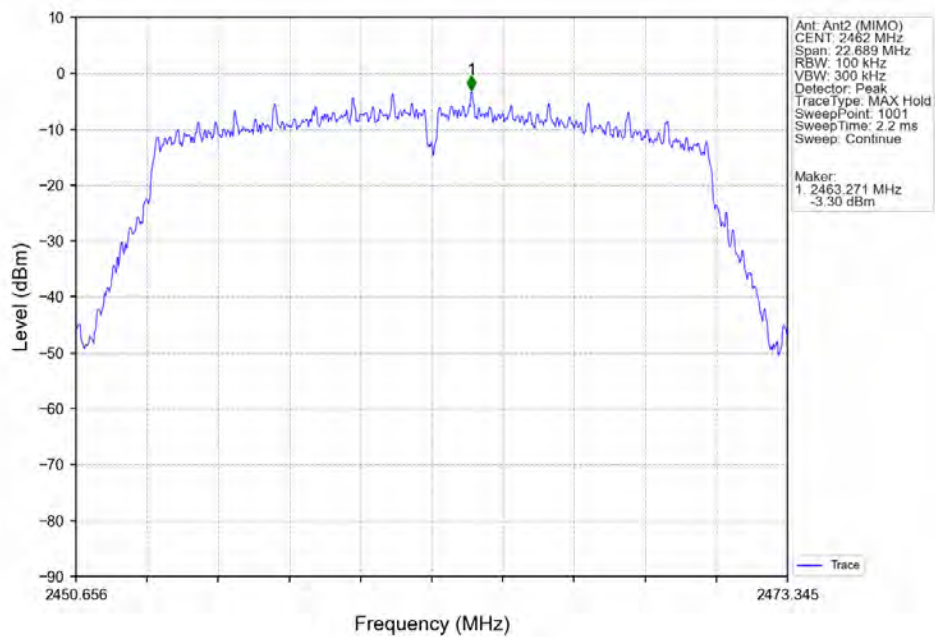
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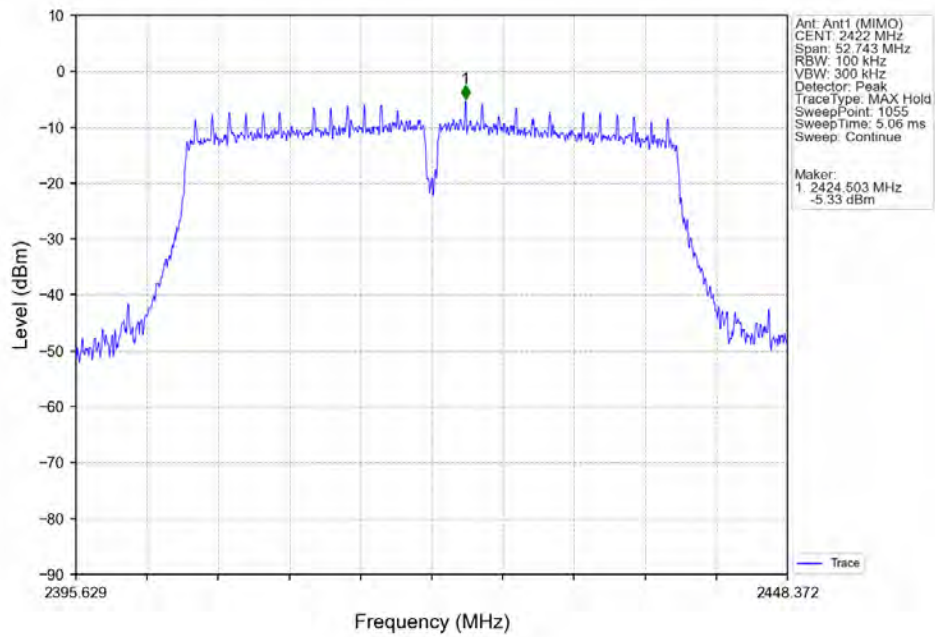
802.11n(HT20) HCH 2462MHz_Ant1 (MIMO)_NTNV



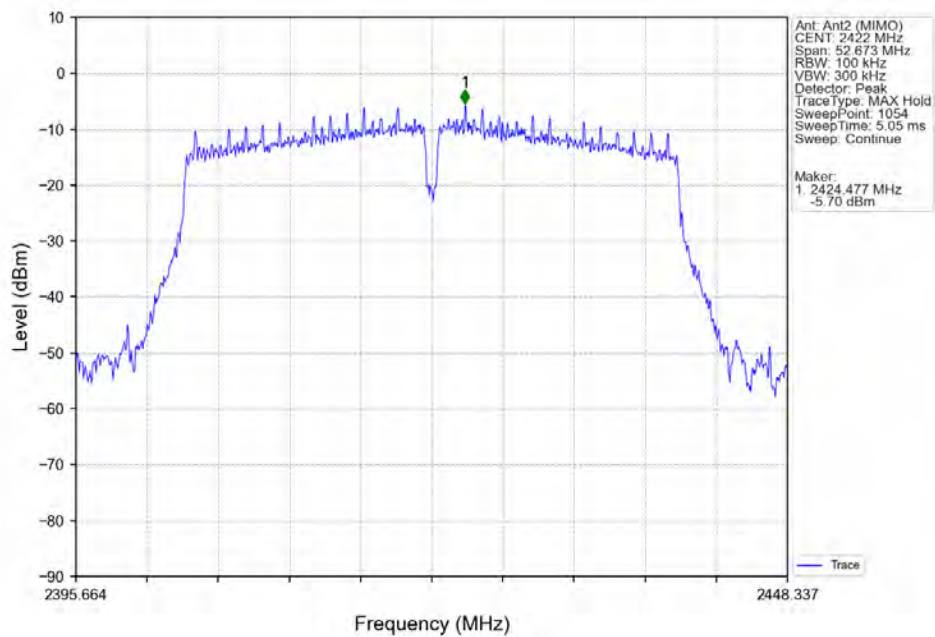
802.11n(HT20) HCH 2462MHz_Ant2 (MIMO)_NTNV



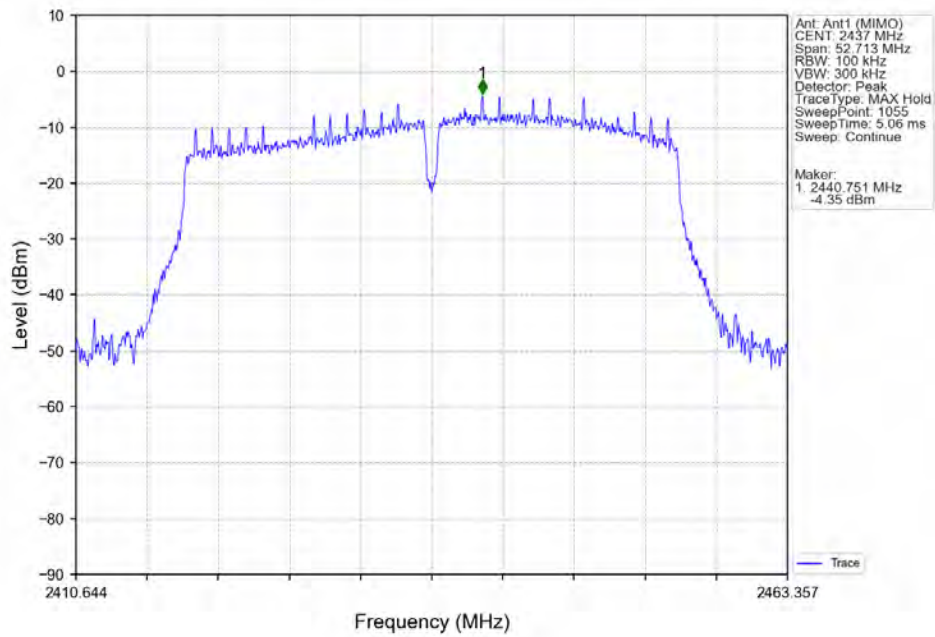
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



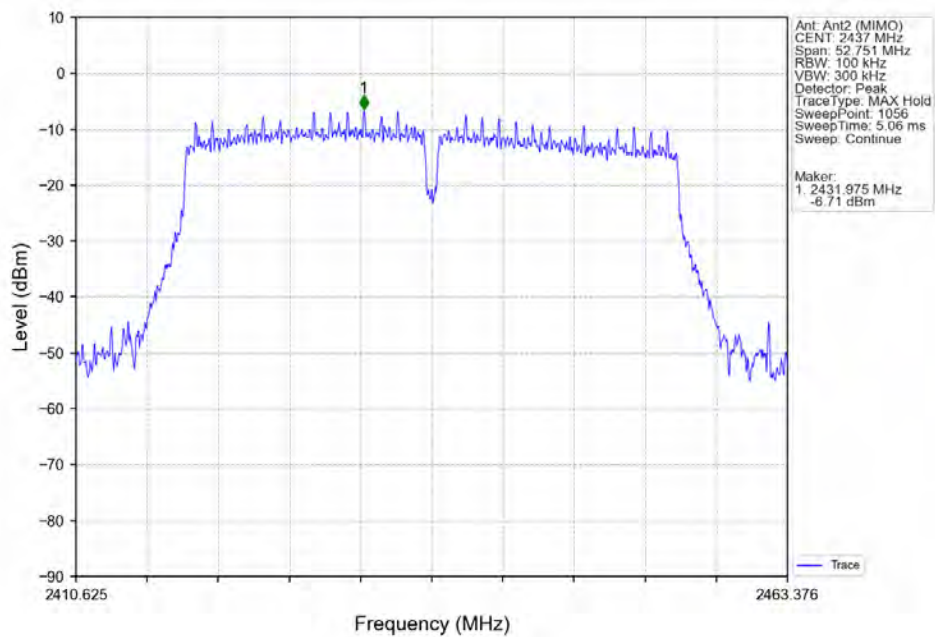
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



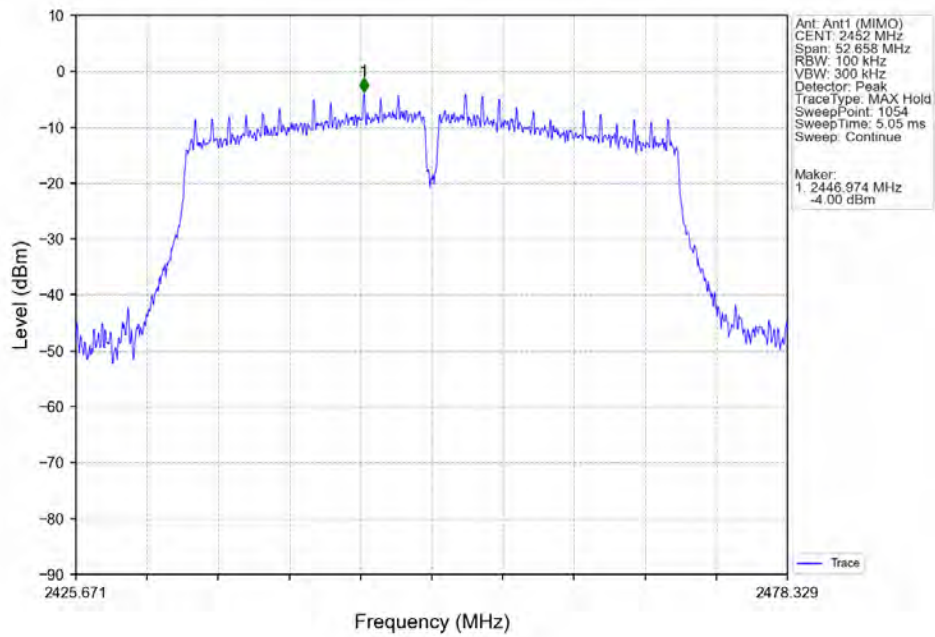
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



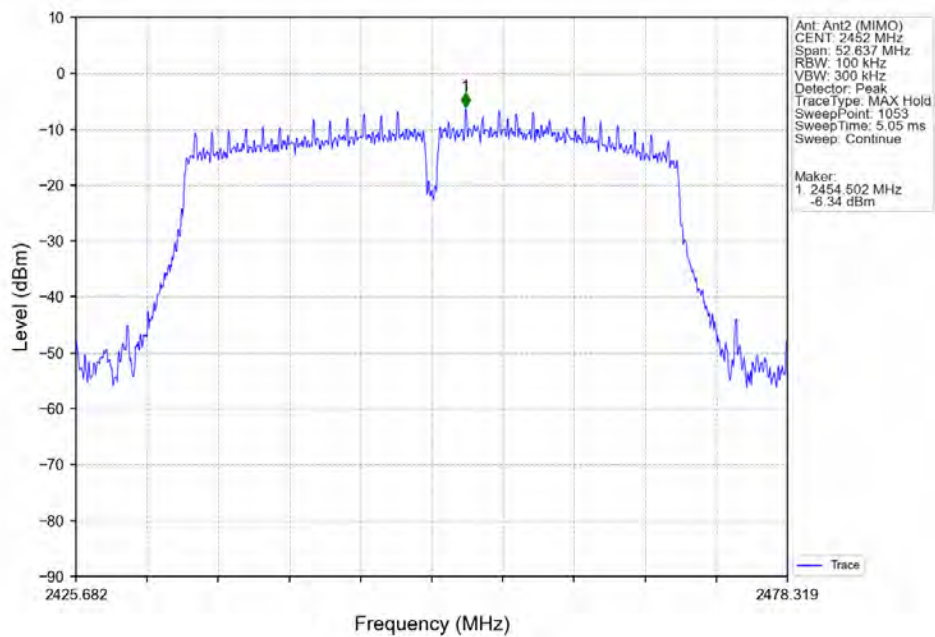
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



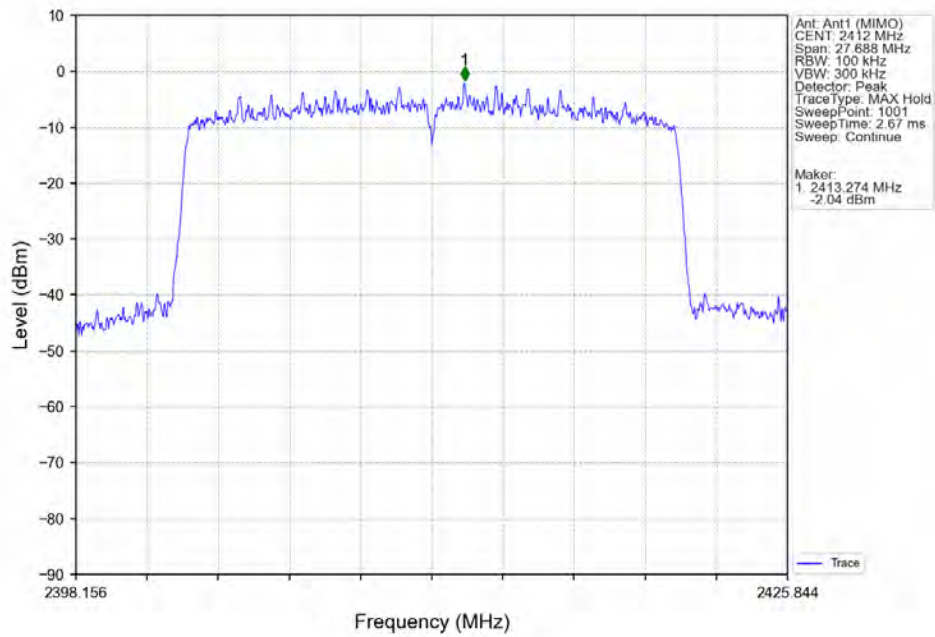
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO)_NTNV



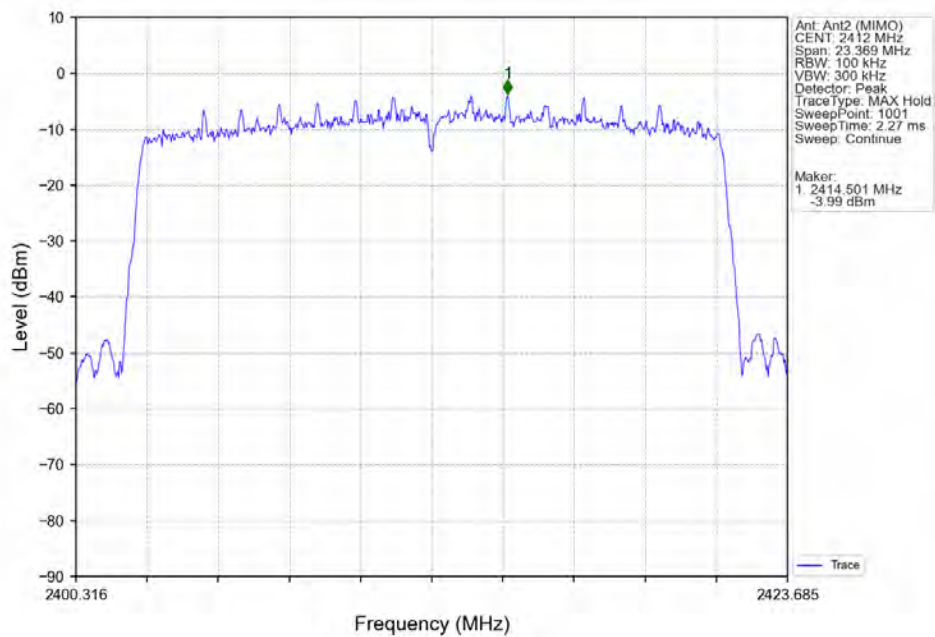
802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



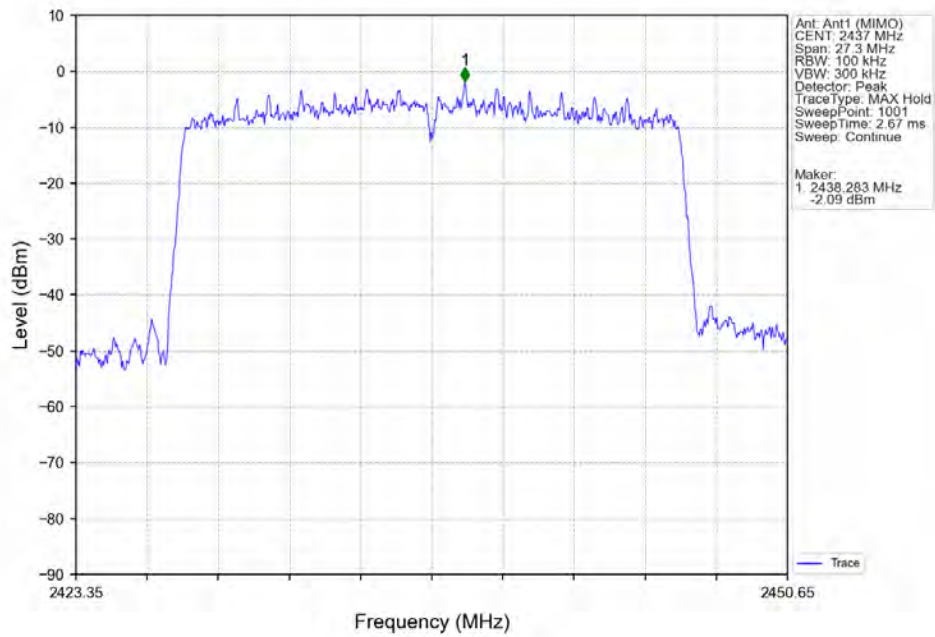
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTN



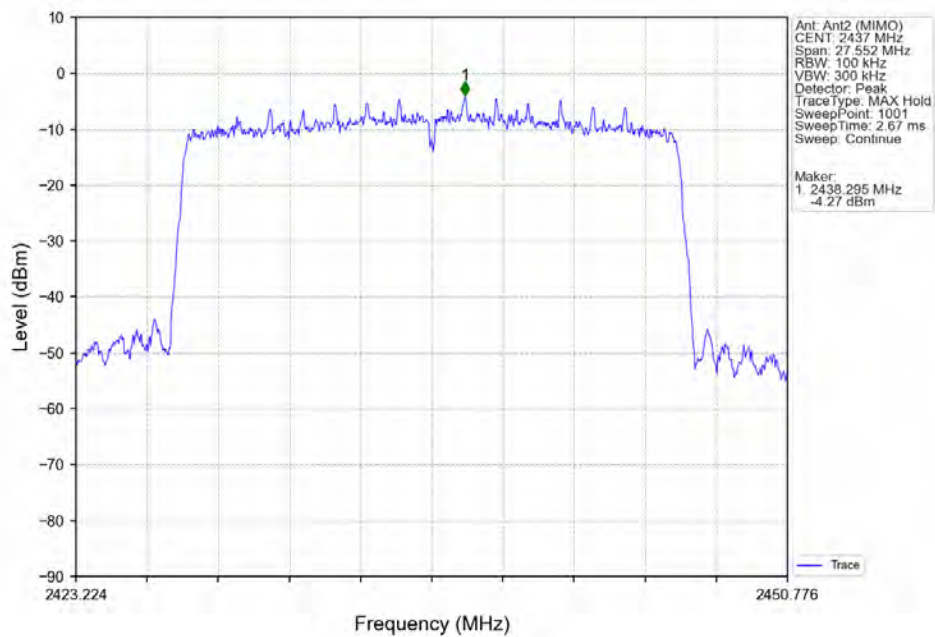
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTN



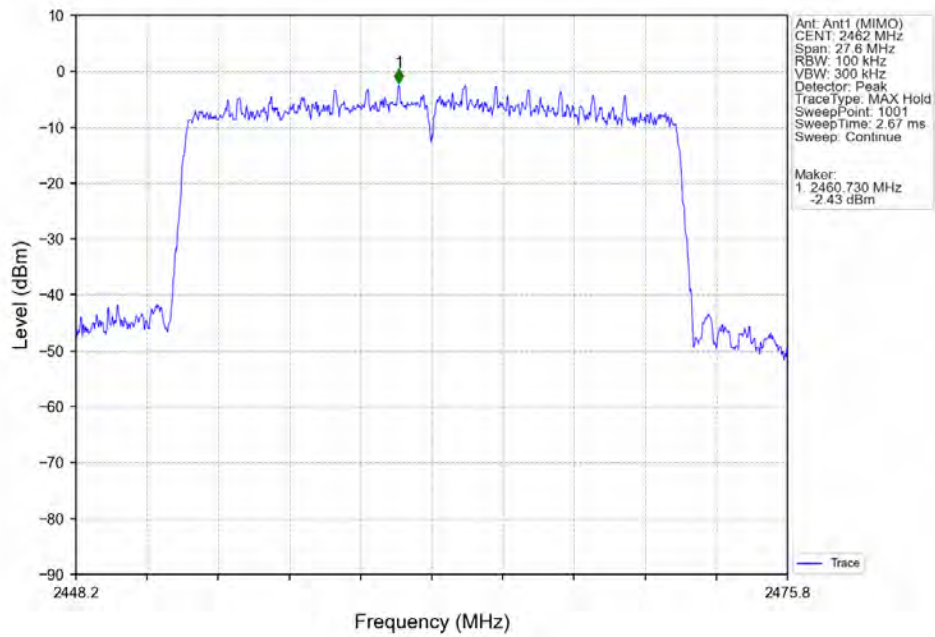
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



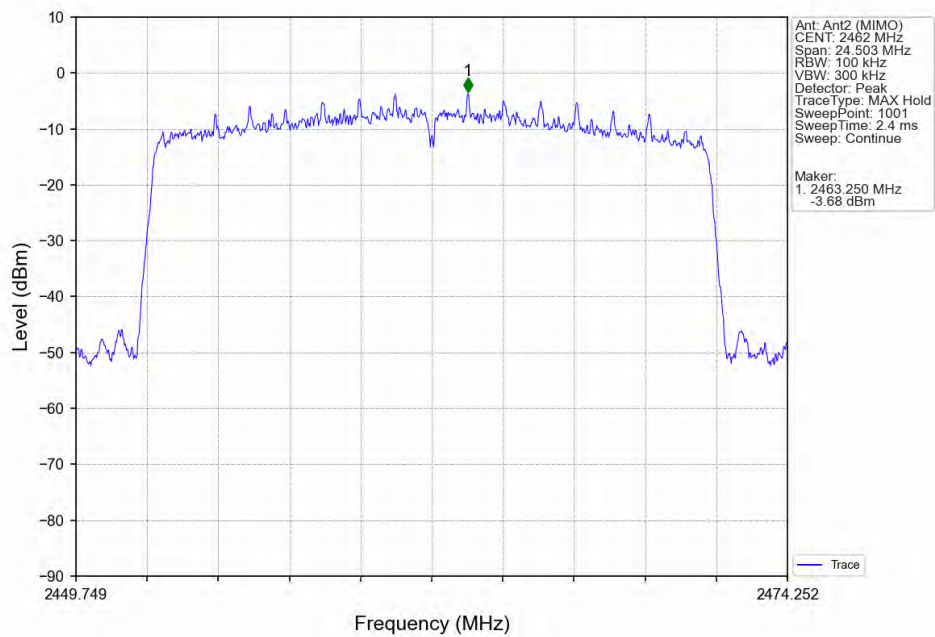
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



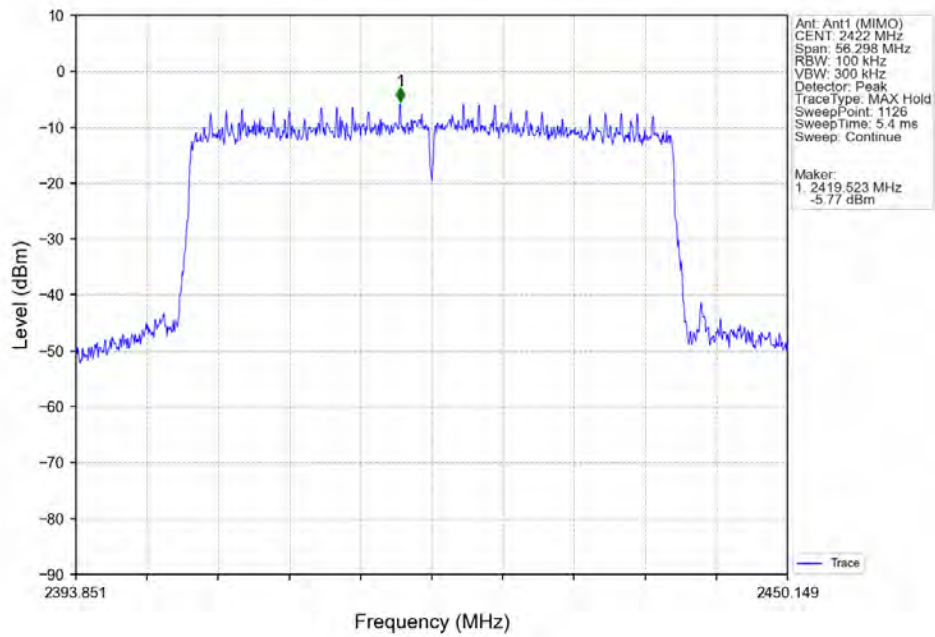
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



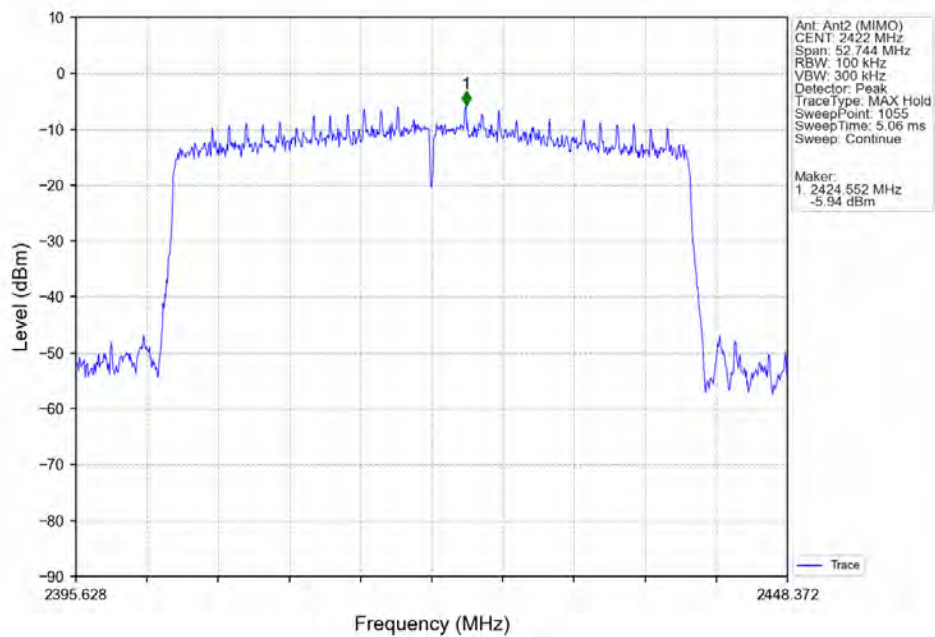
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (MIMO)_NTNV



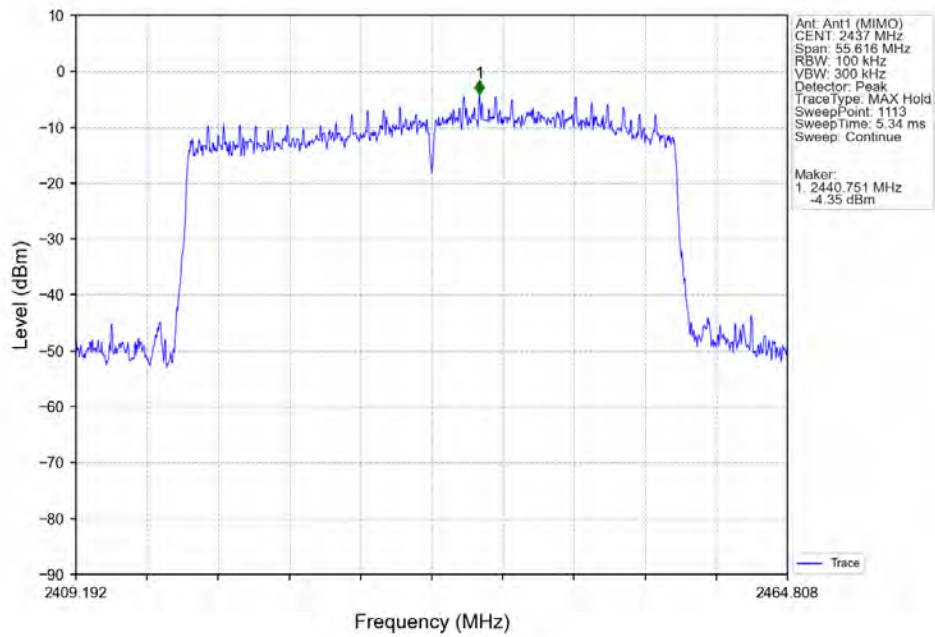
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



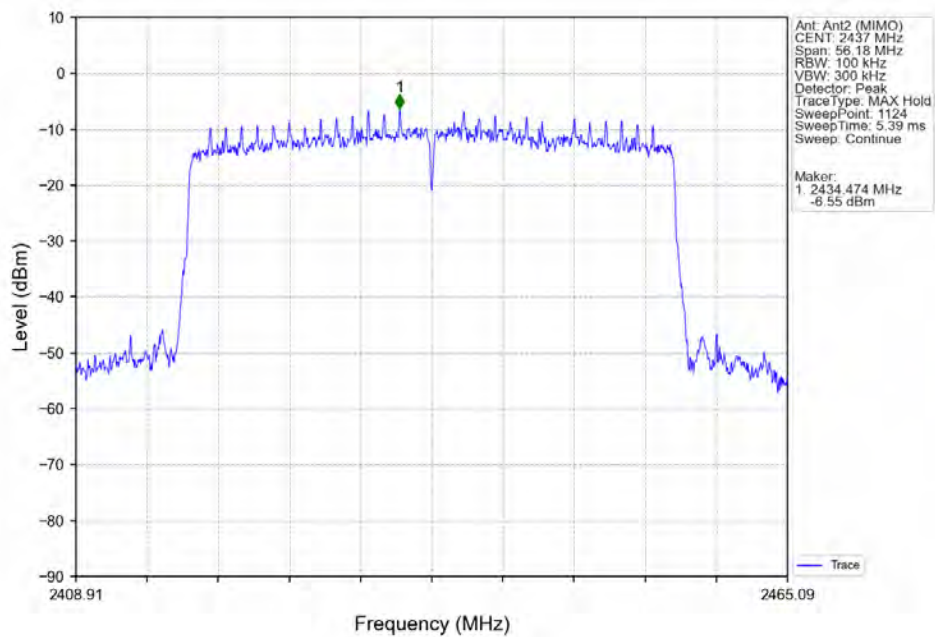
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



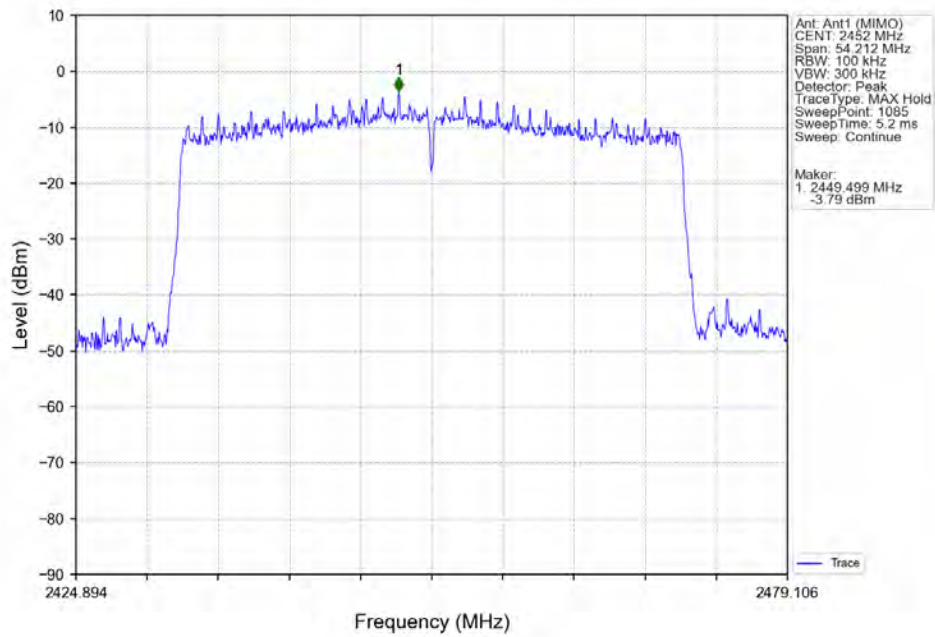
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



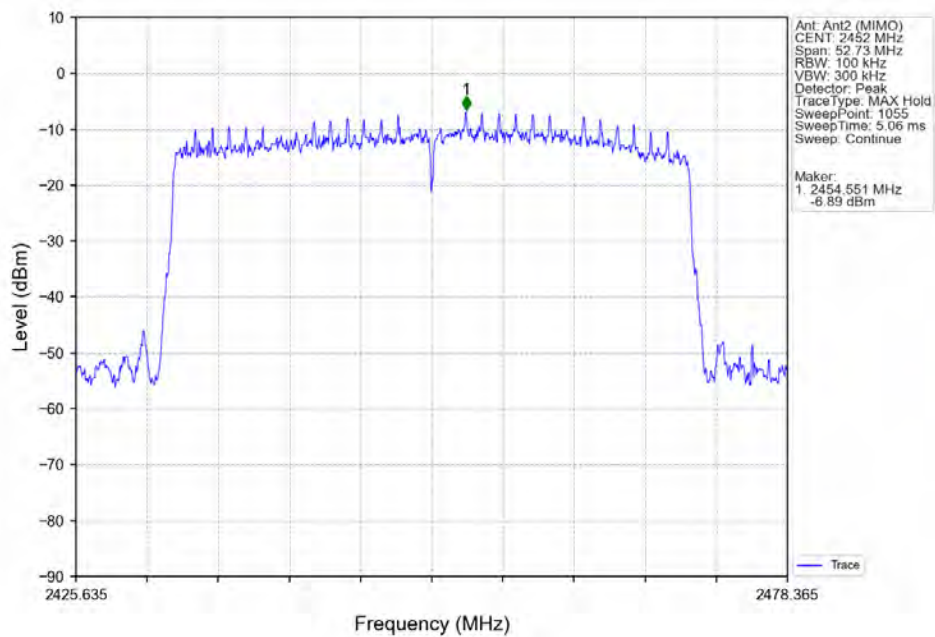
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV

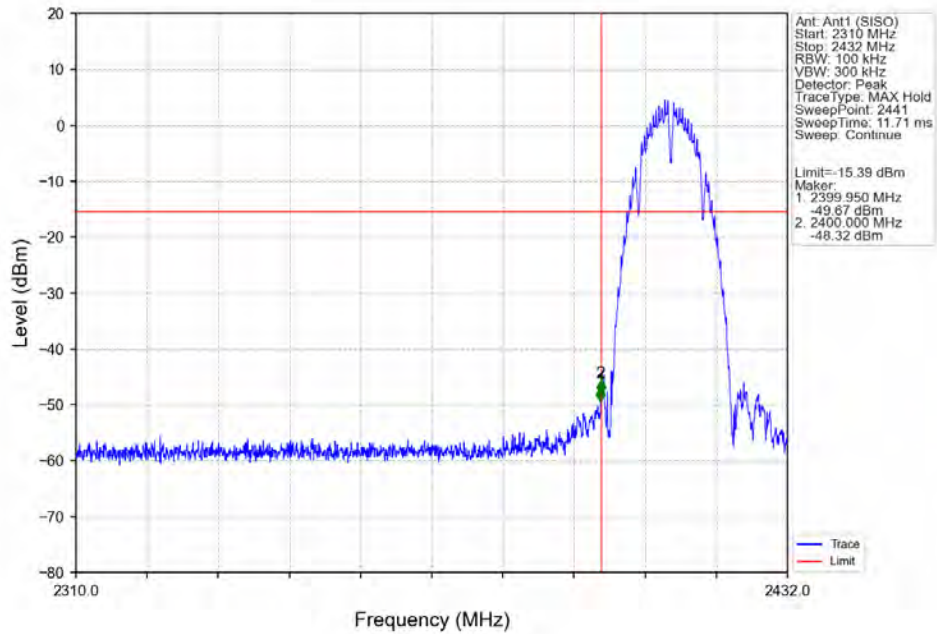


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV

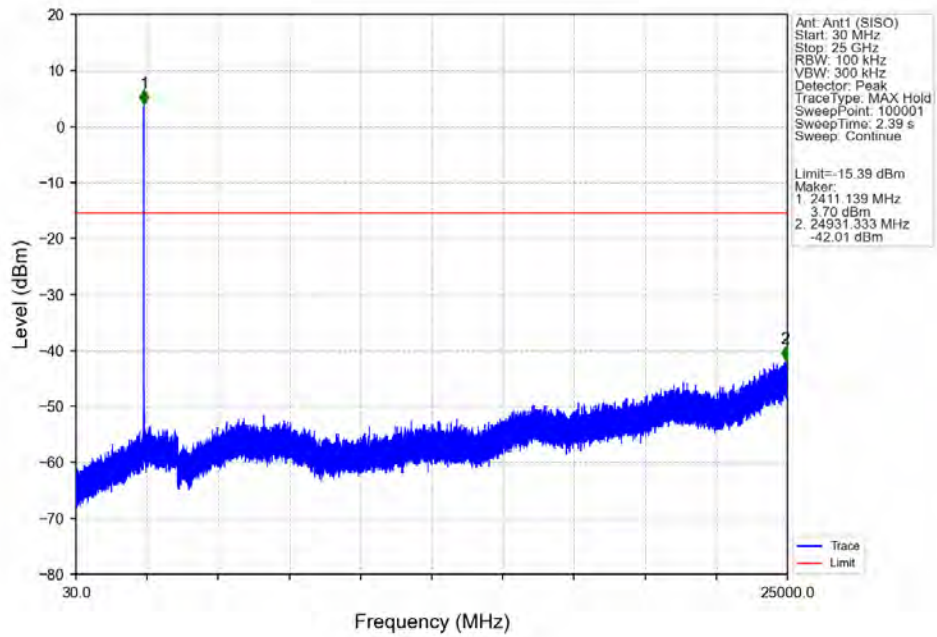


5.2.2 CSE

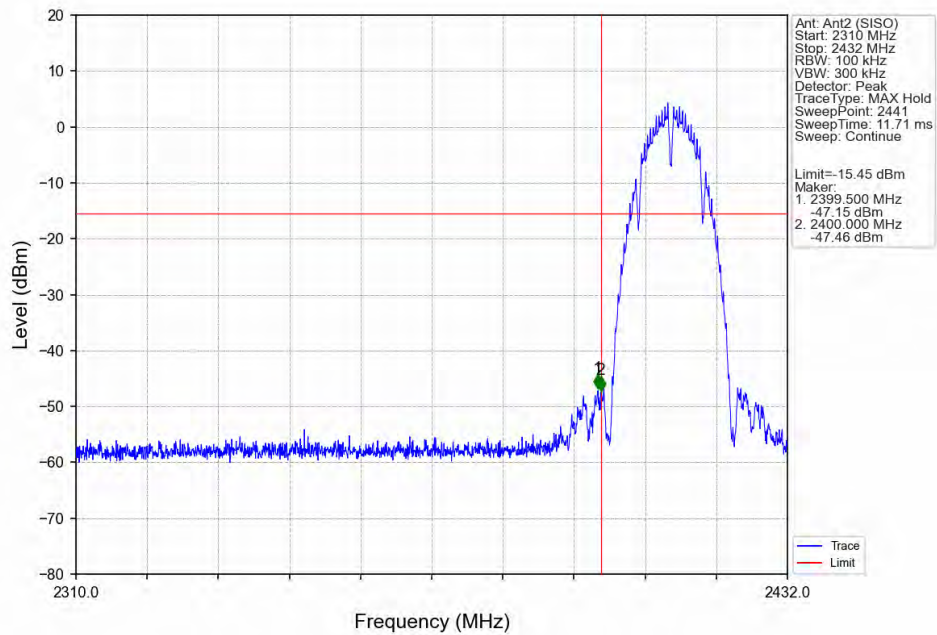
802.11b LCH 2412MHz Ant1 (SISO) NTN



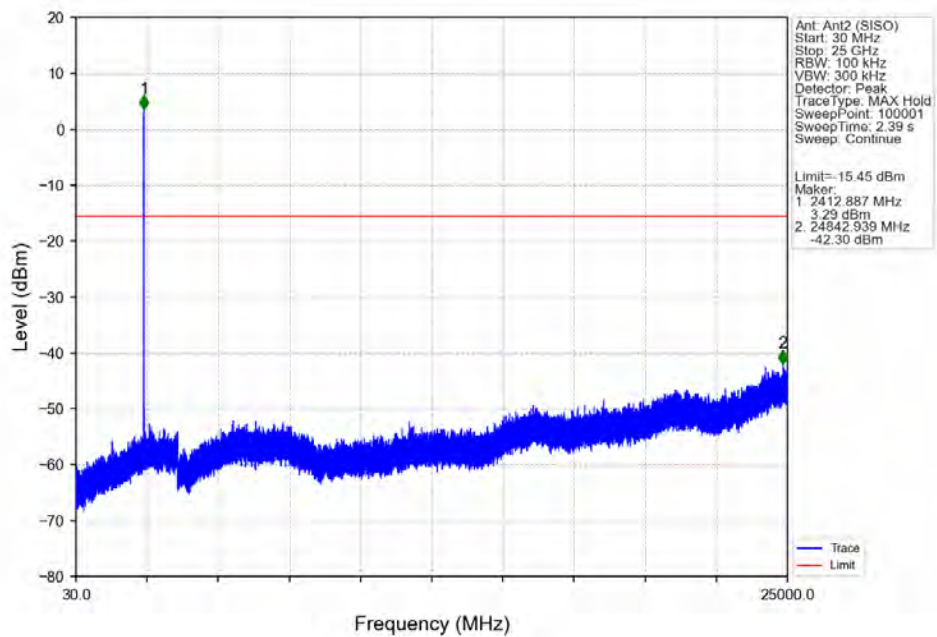
802.11b LCH 2412MHz Ant1 (SISO) NTN



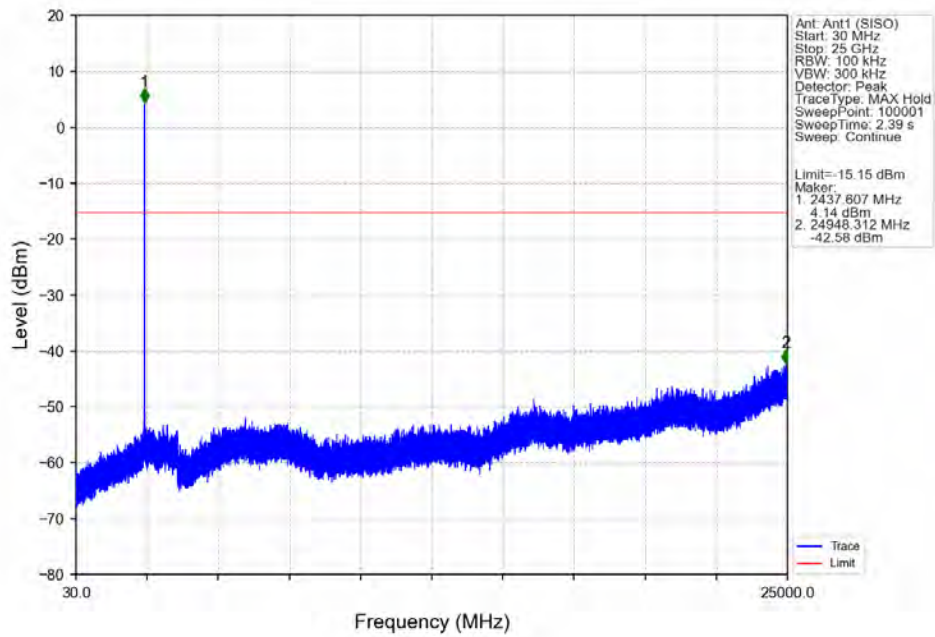
802.11b LCH 2412MHz_Ant2 (SISO)_NTNV



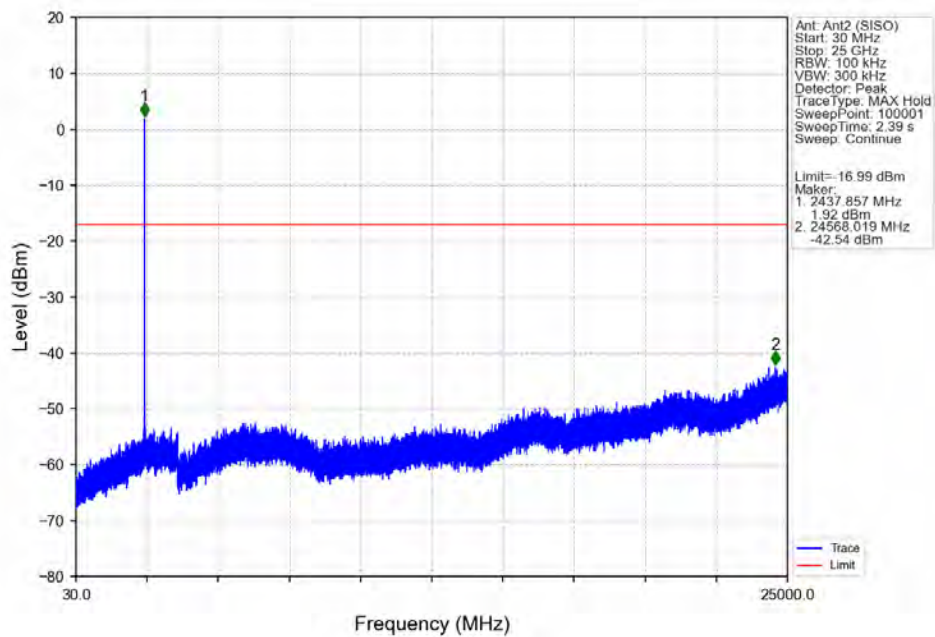
802.11b LCH 2412MHz_Ant2 (SISO)_NTNV



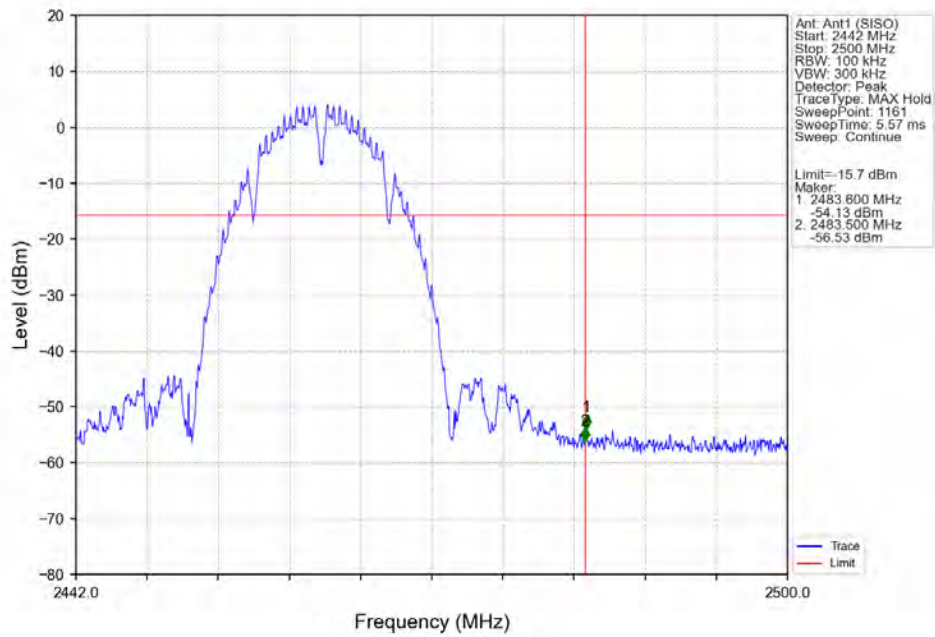
802.11b MCH_2437MHz_Ant1 (SISO)_NTNV



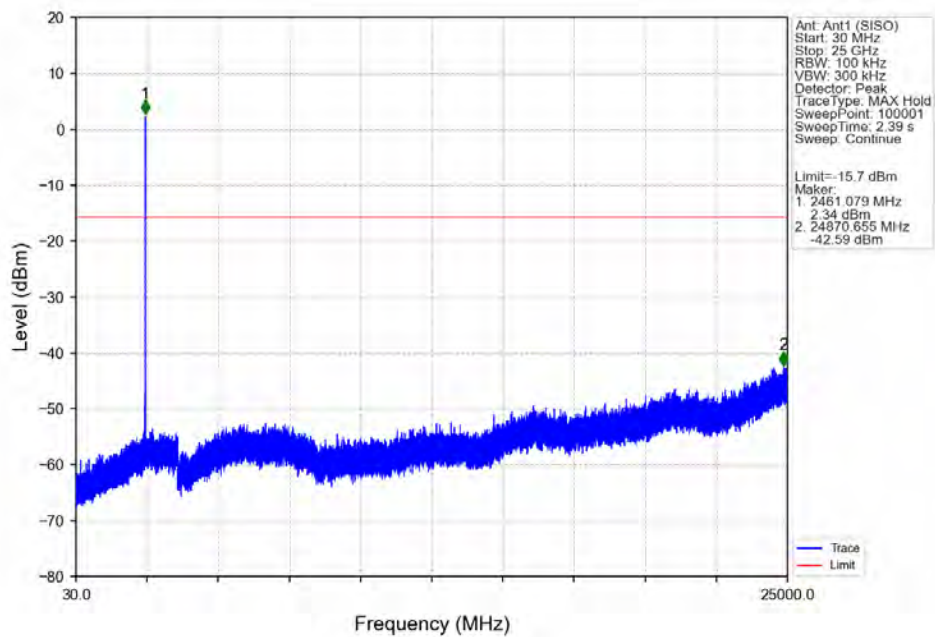
802.11b MCH_2437MHz_Ant2 (SISO)_NTNV



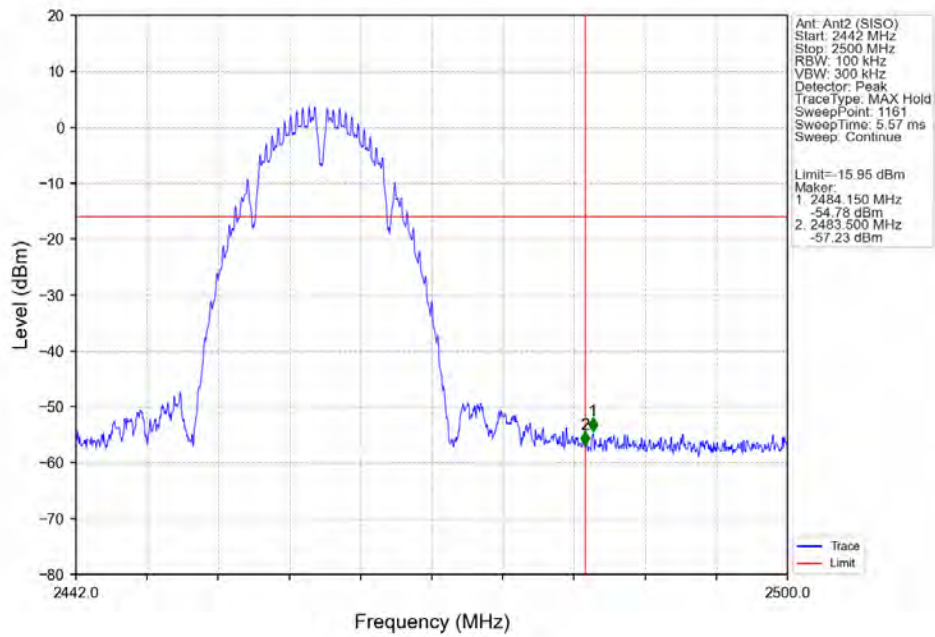
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



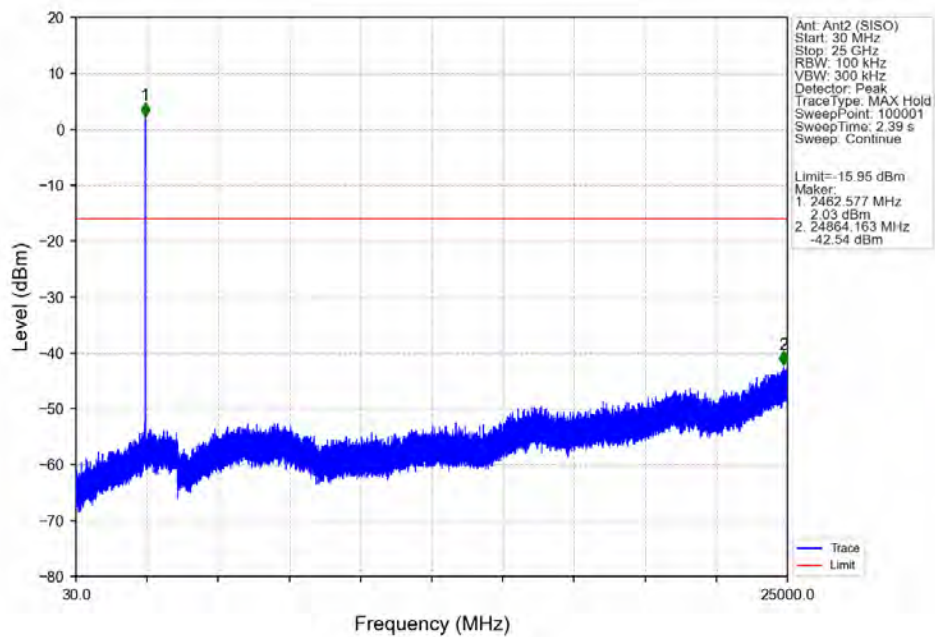
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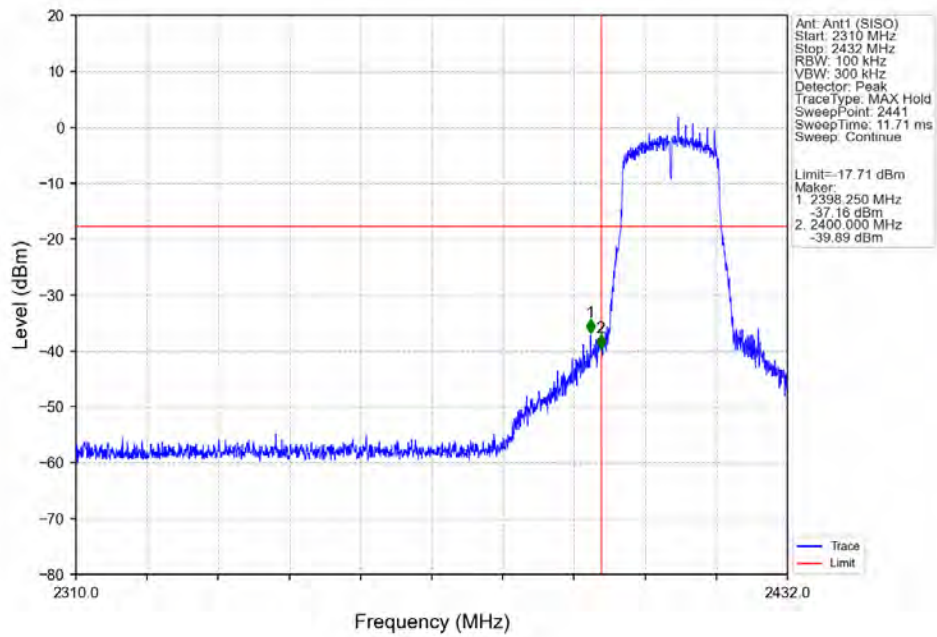
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



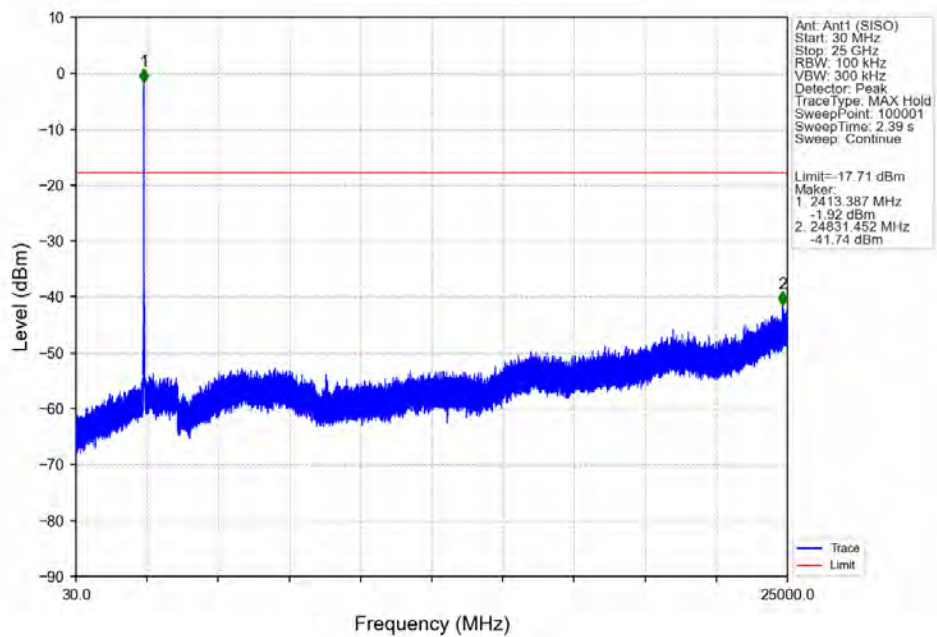
802.11b HCH 2462MHz_Ant2 (SISO)_NTNV



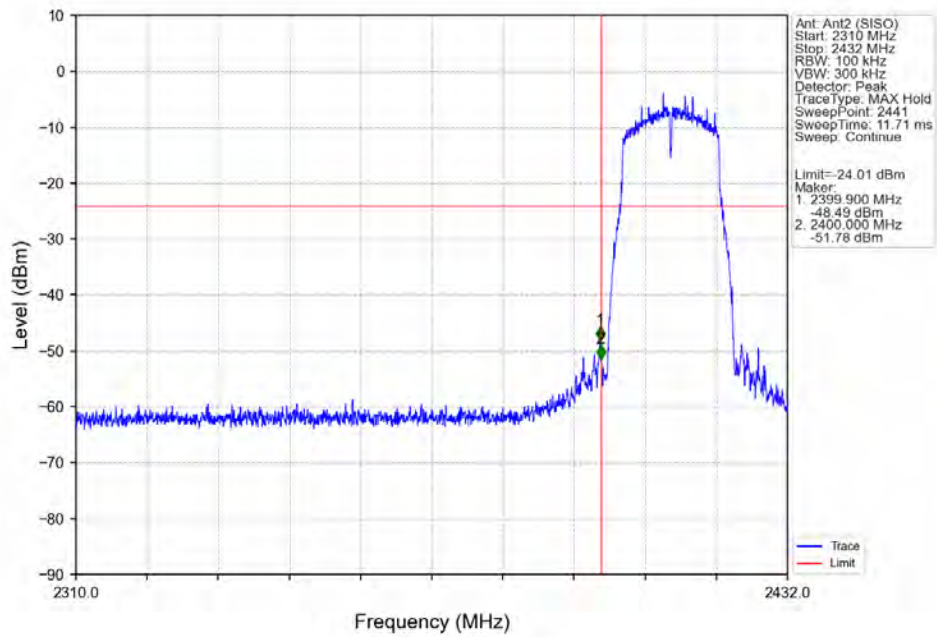
802.11g LCH 2412MHz_Ant1 (SISO)_NTNV



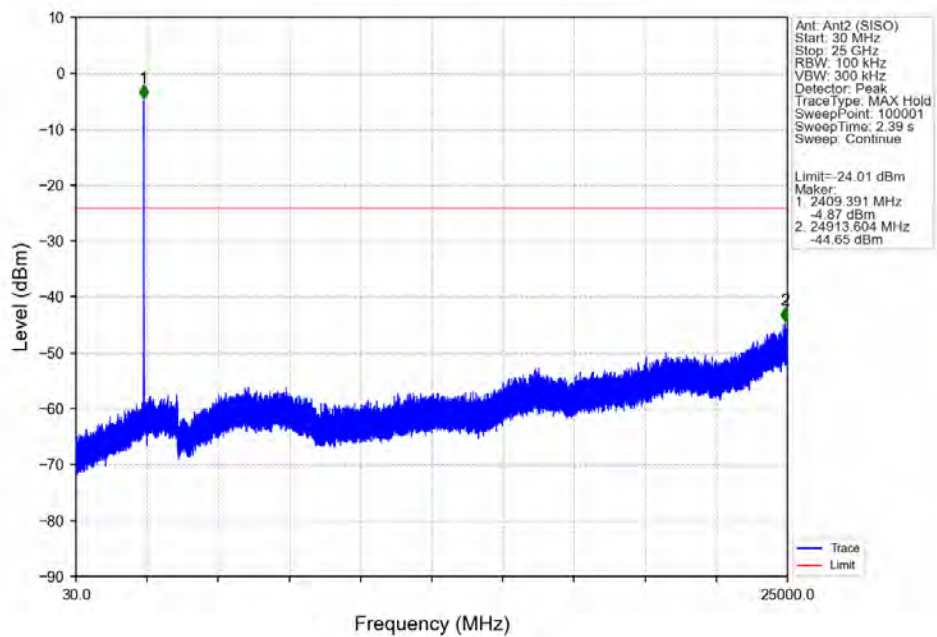
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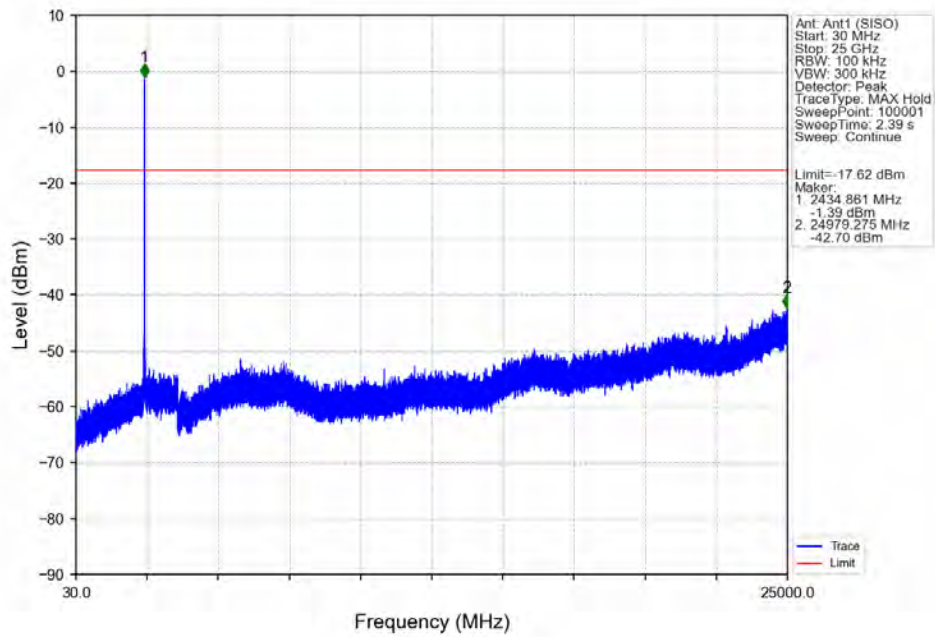
802.11g LCH 2412MHz_Ant2 (SISO)_NTNV



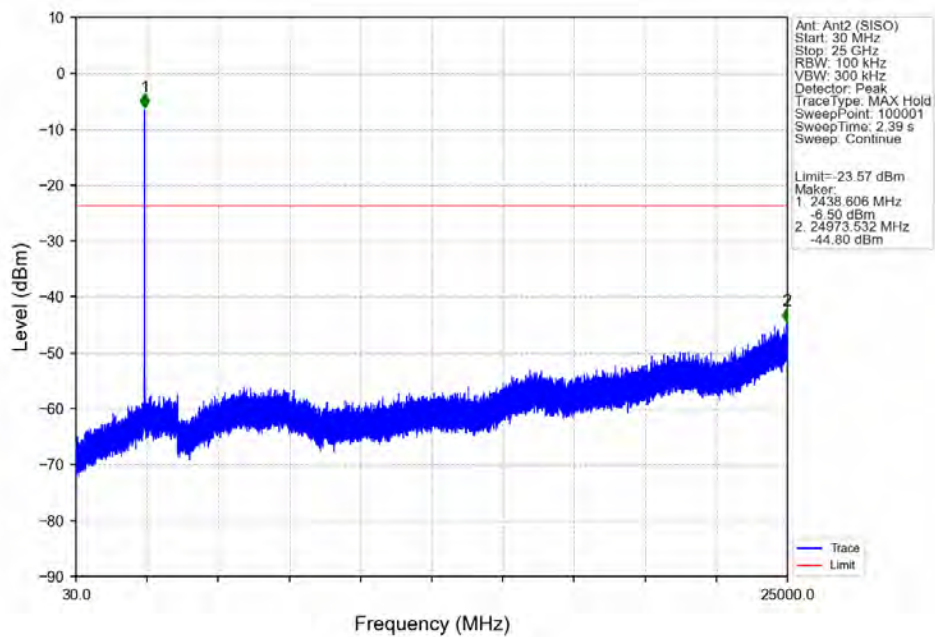
802.11g LCH 2412MHz_Ant2 (SISO)_NTNV



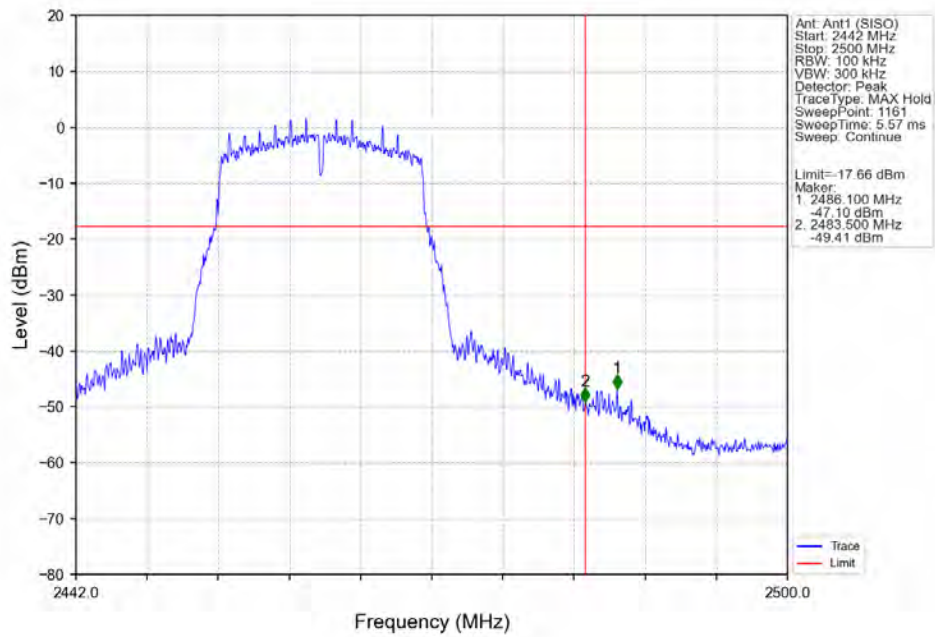
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



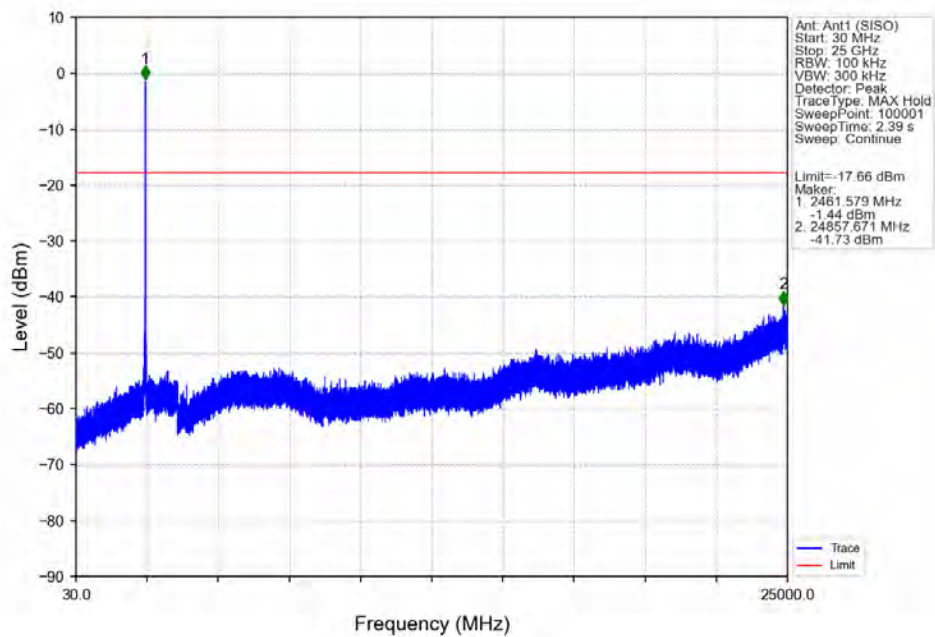
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



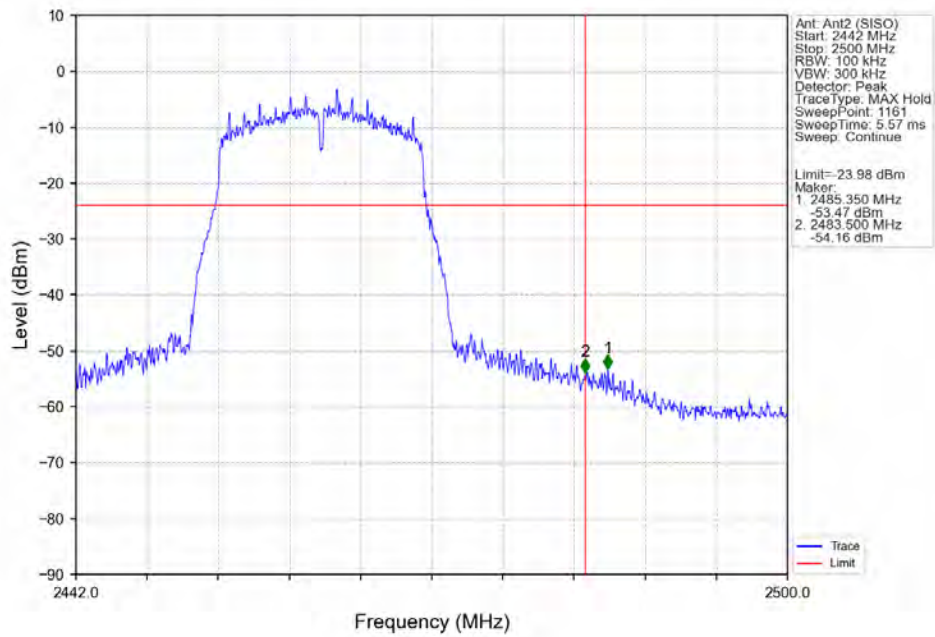
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



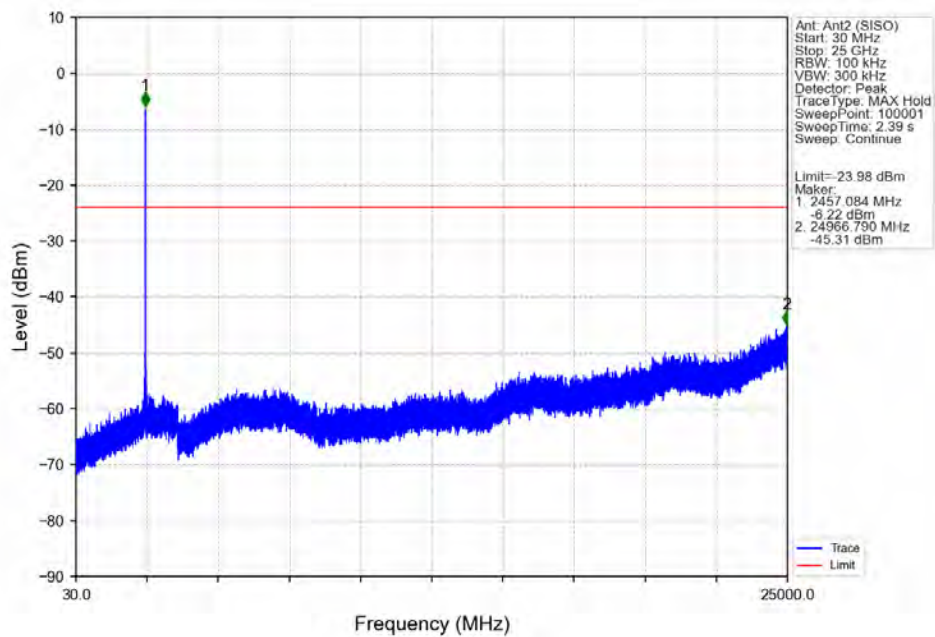
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



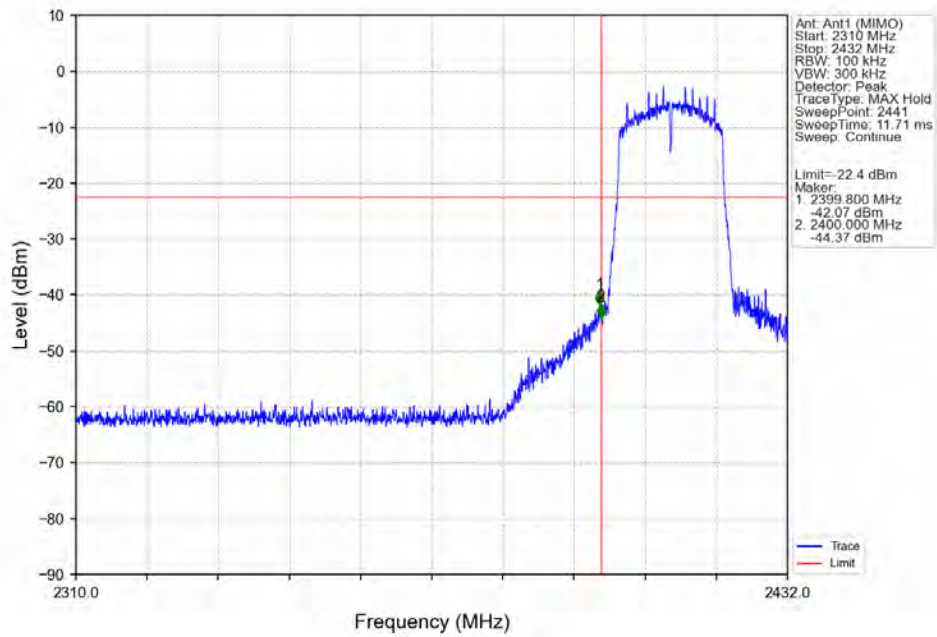
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



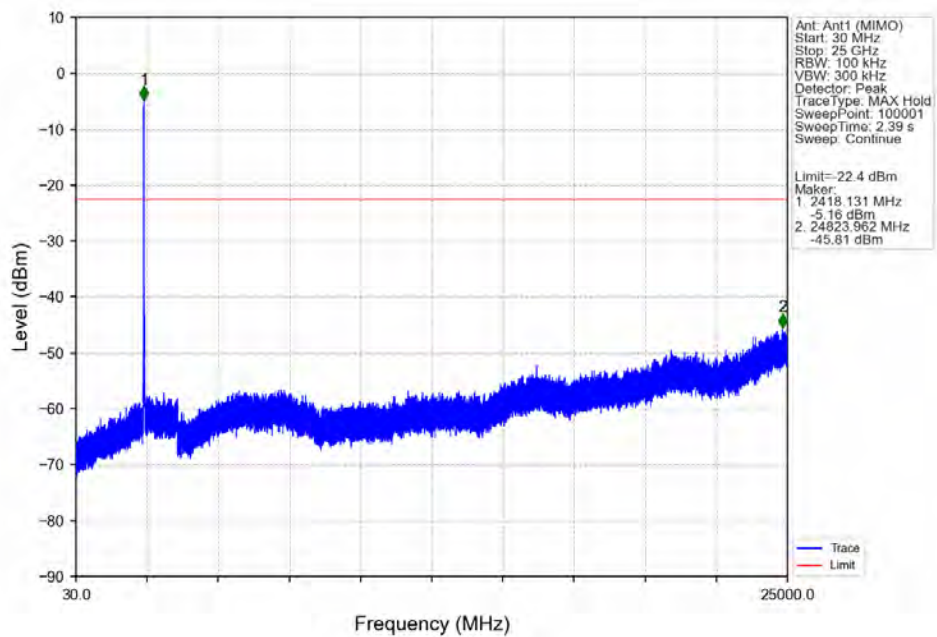
802.11g HCH 2462MHz_Ant2 (SISO)_NTNV



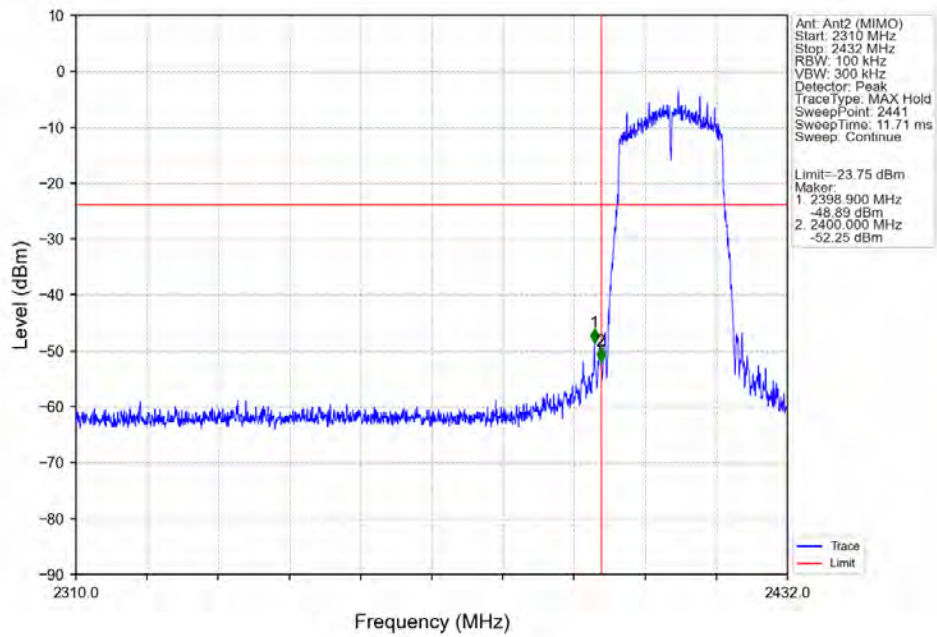
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO)_NTNV



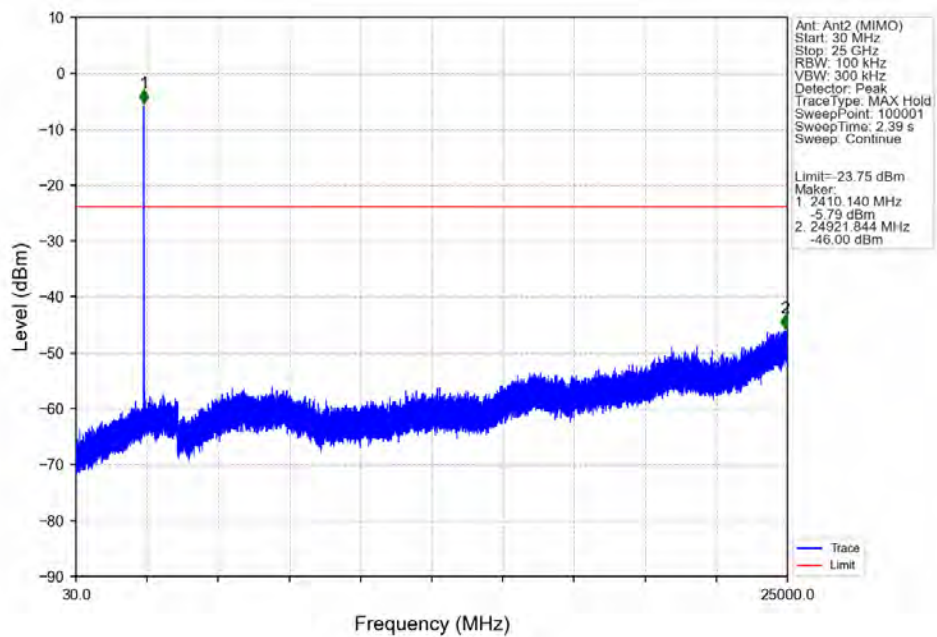
802.11n(HT20) LCH 2412MHz_Ant1 (MIMO)_NTNV



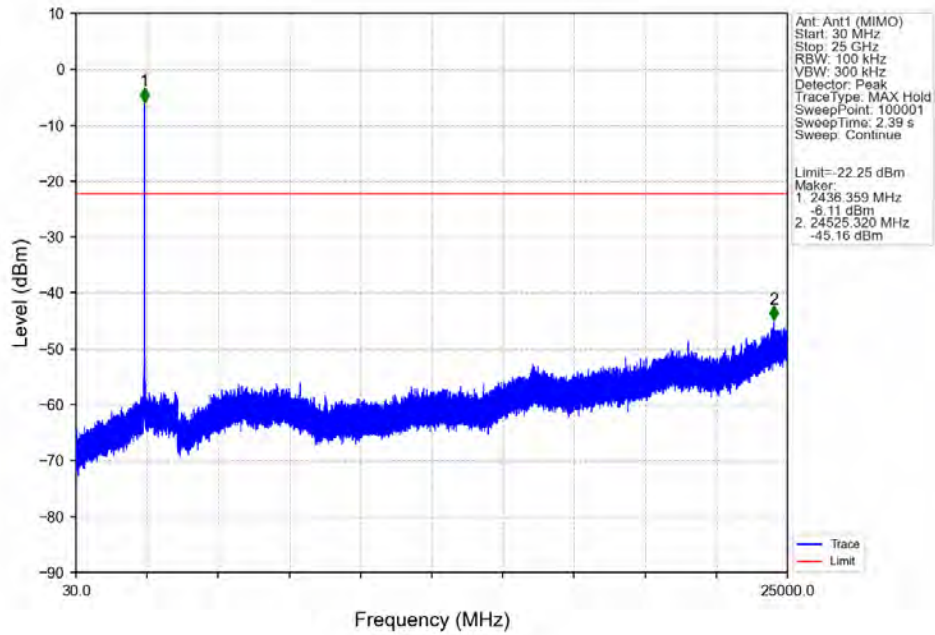
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO)_NTNV



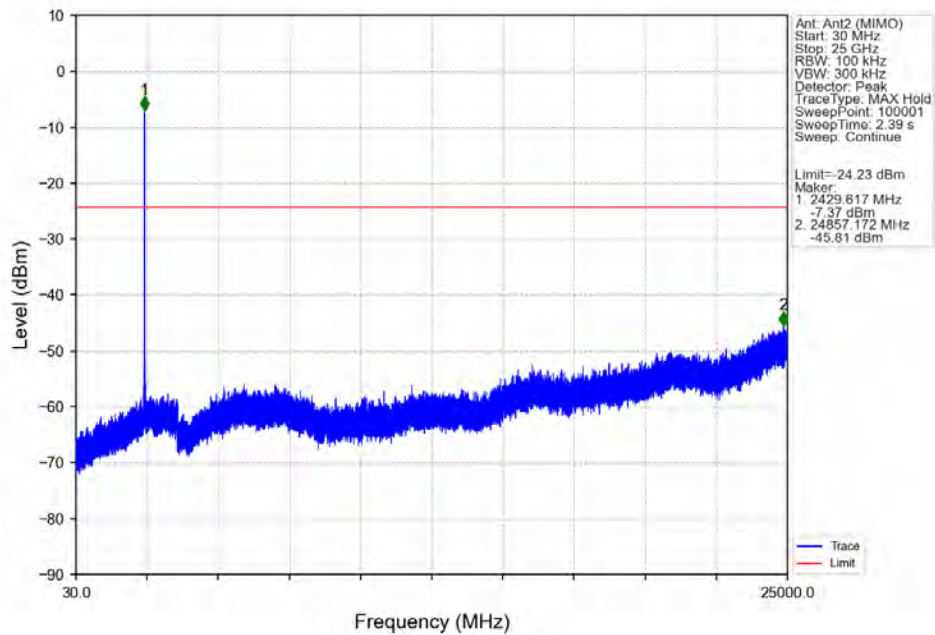
802.11n(HT20) LCH 2412MHz_Ant2 (MIMO)_NTNV



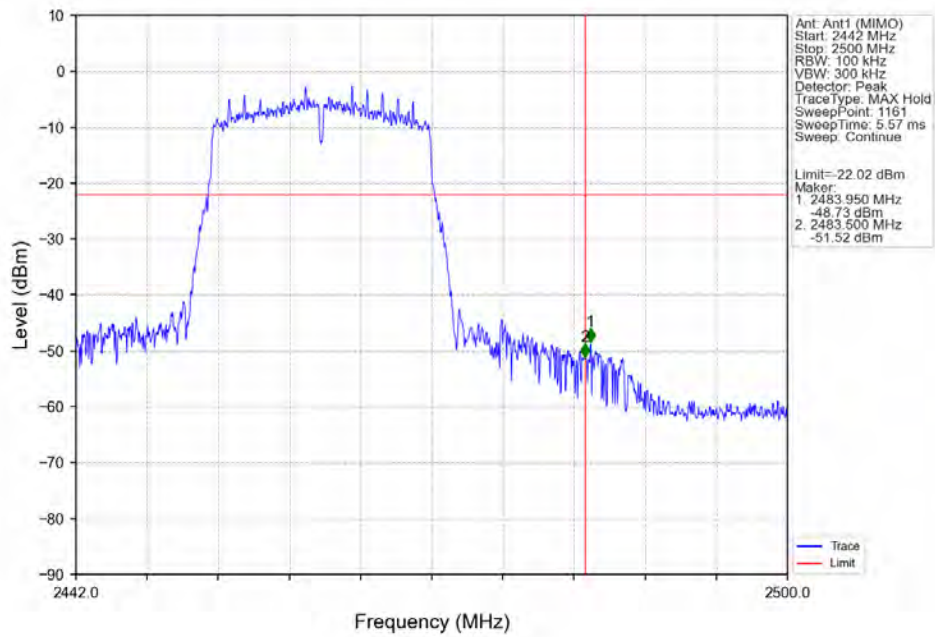
802.11n(HT20) MCH_2437MHz_Ant1 (MIMO) NTN



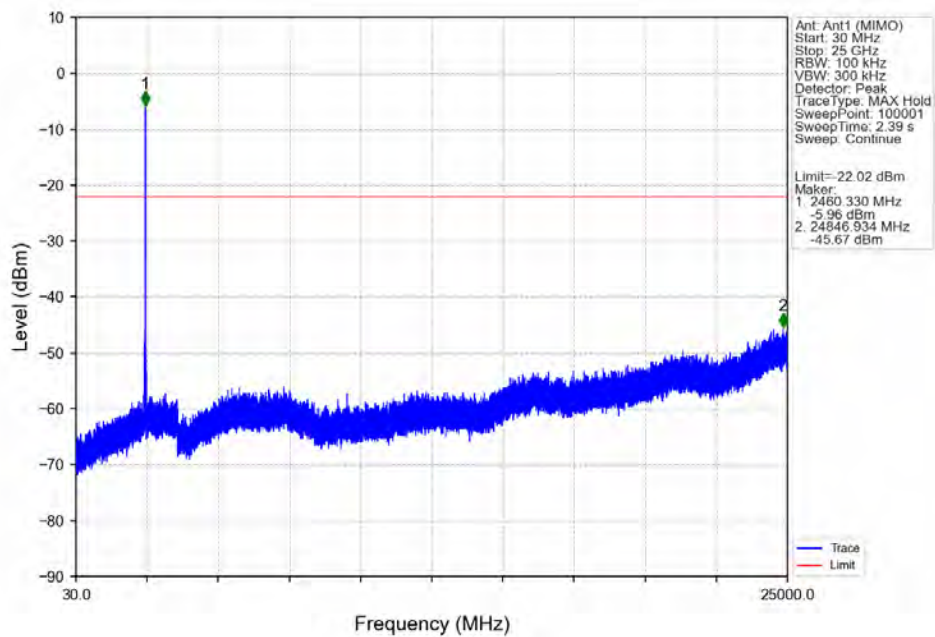
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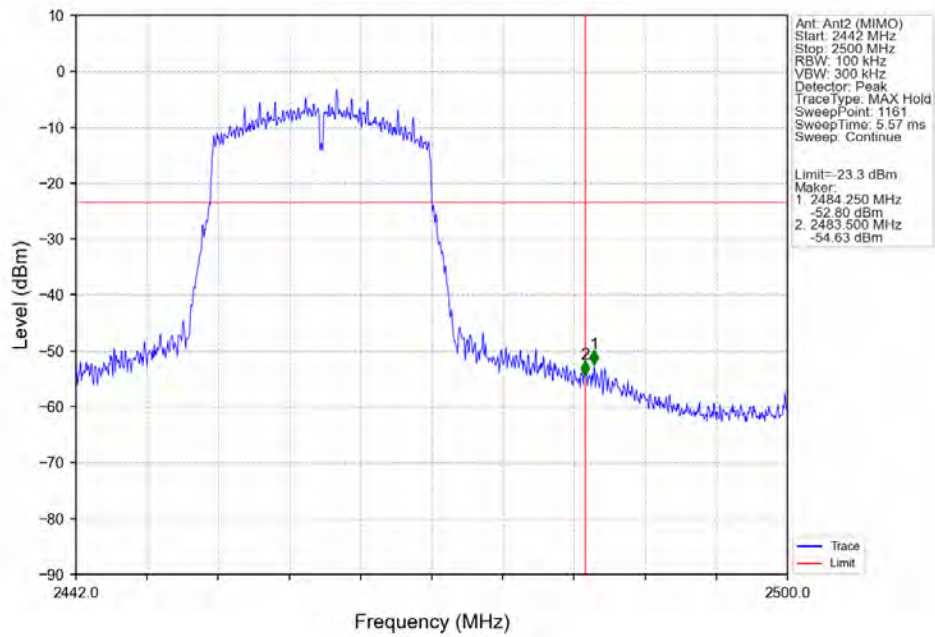
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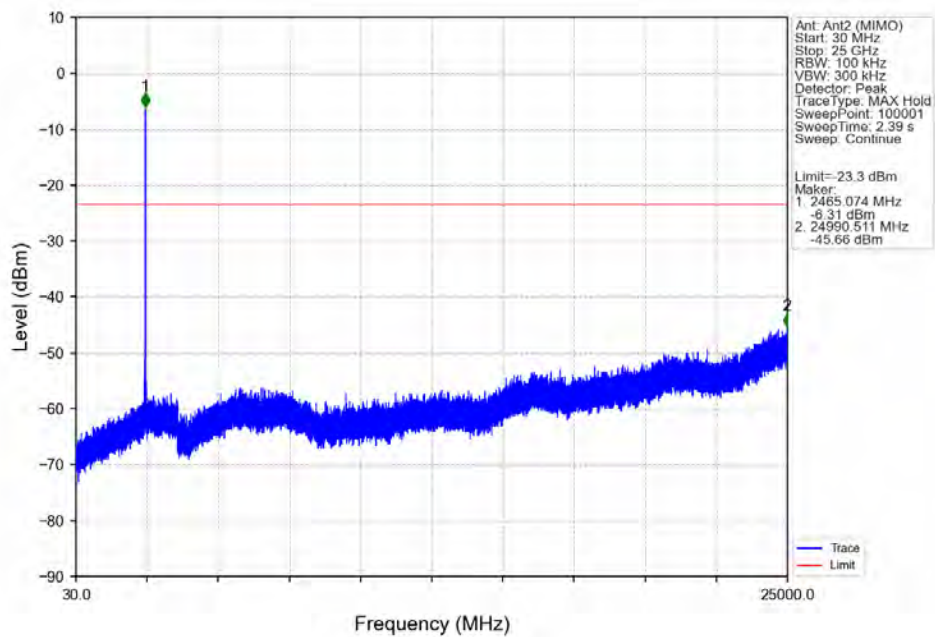
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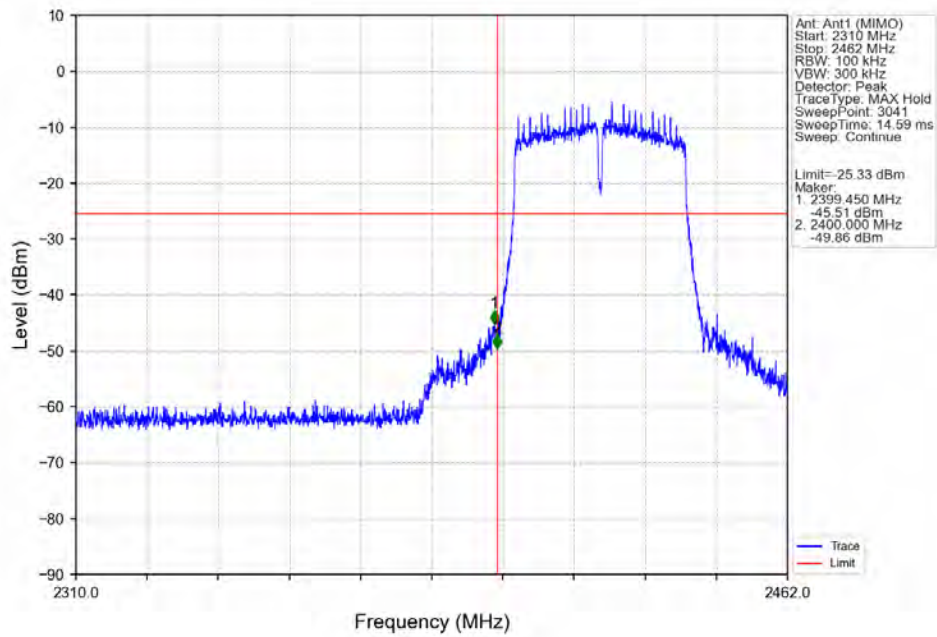
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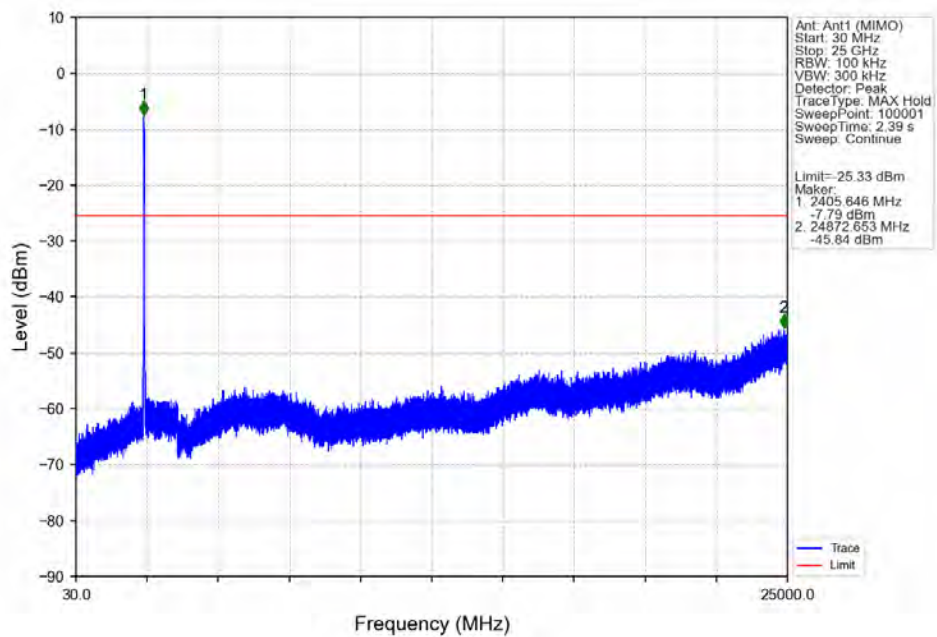
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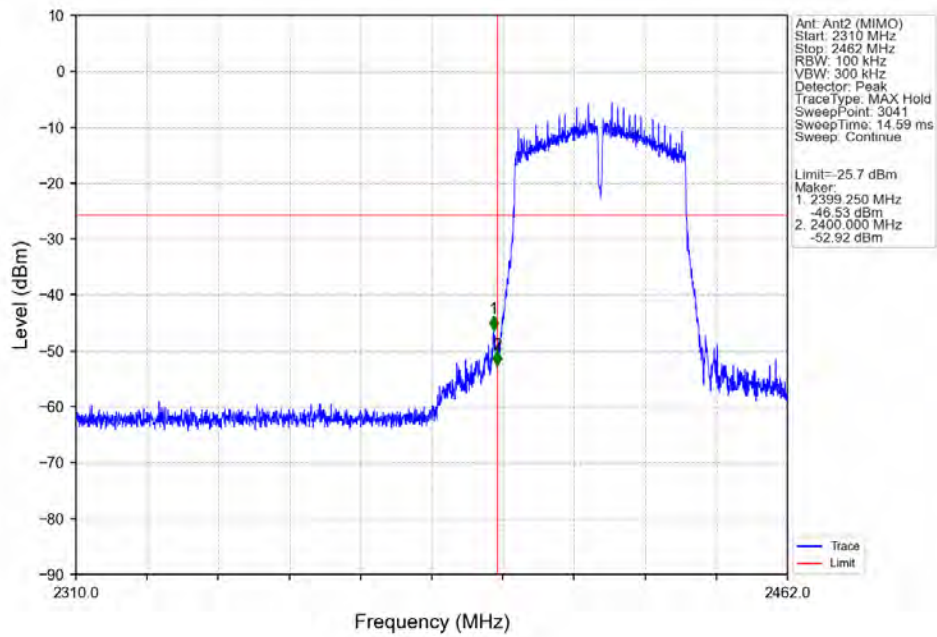
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



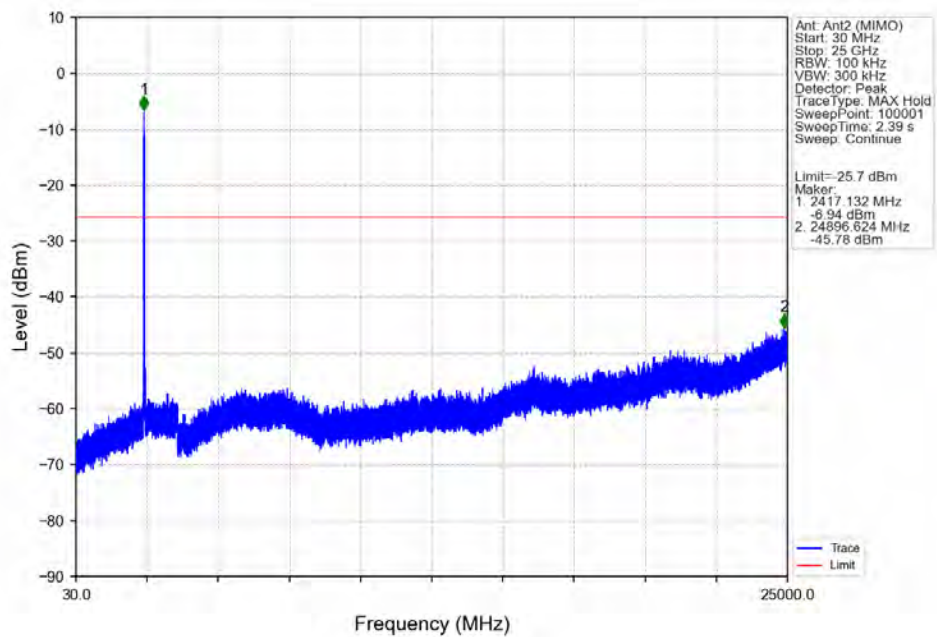
802.11n(HT40) LCH 2422MHz_Ant1 (MIMO)_NTNV



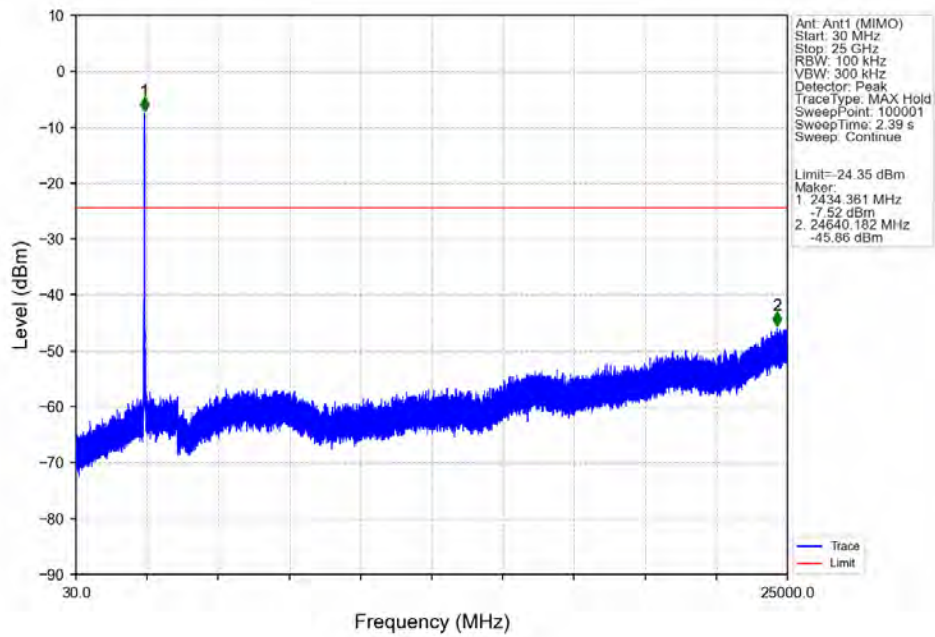
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



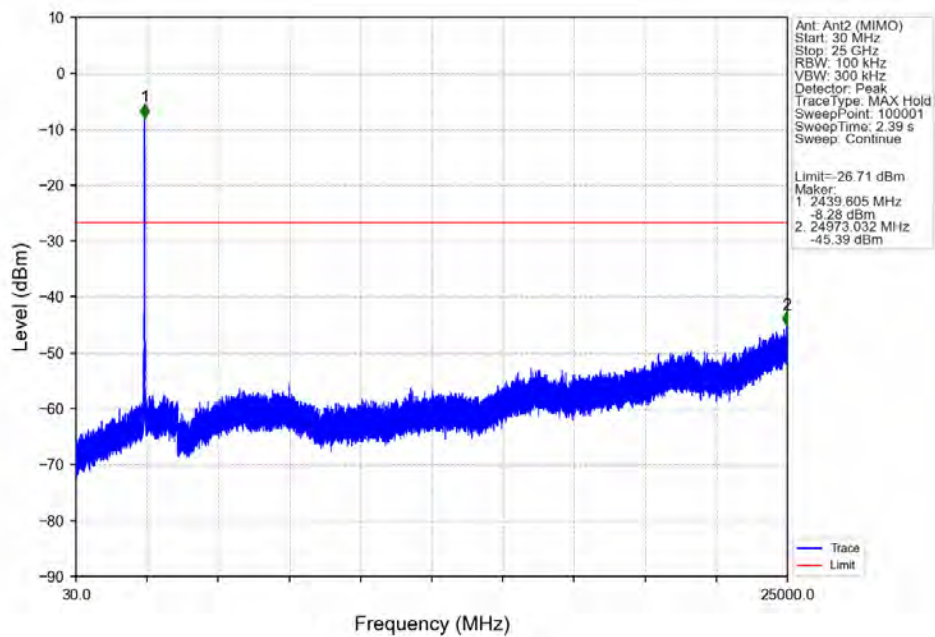
802.11n(HT40) LCH 2422MHz_Ant2 (MIMO)_NTNV



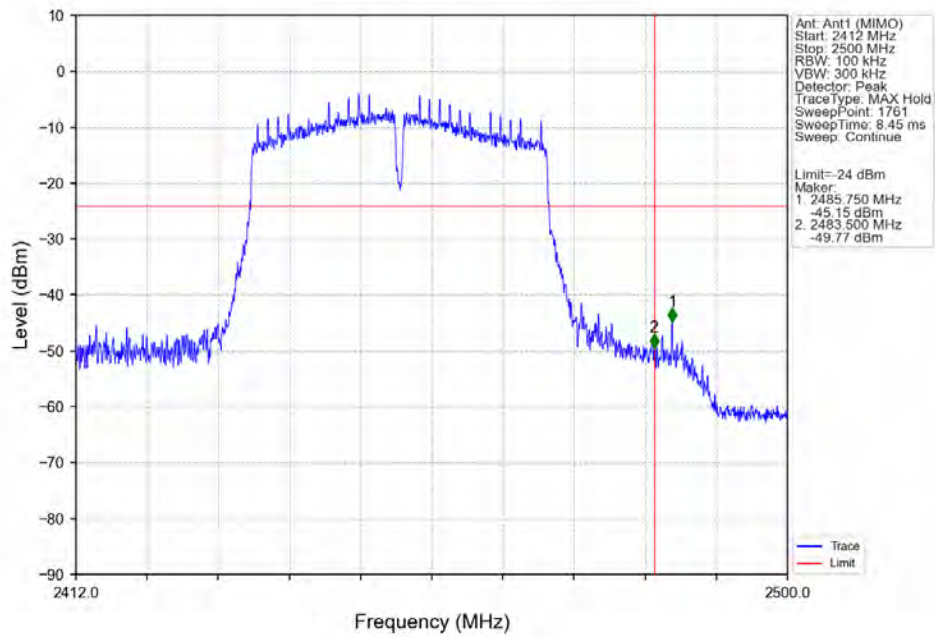
802.11n(HT40) MCH_2437MHz_Ant1 (MIMO) NTNV



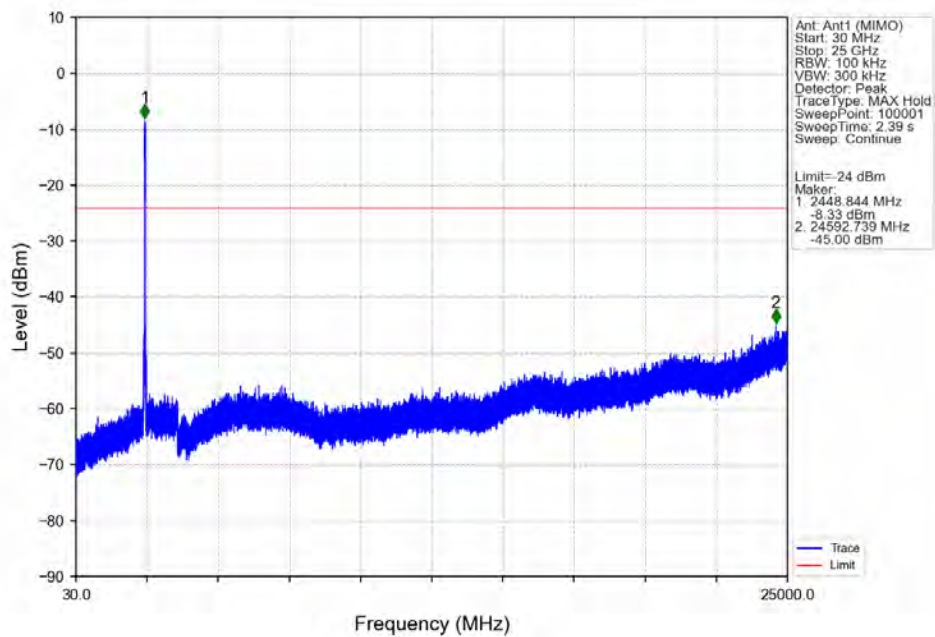
802.11n(HT40) MCH_2437MHz_Ant2 (MIMO) NTNV



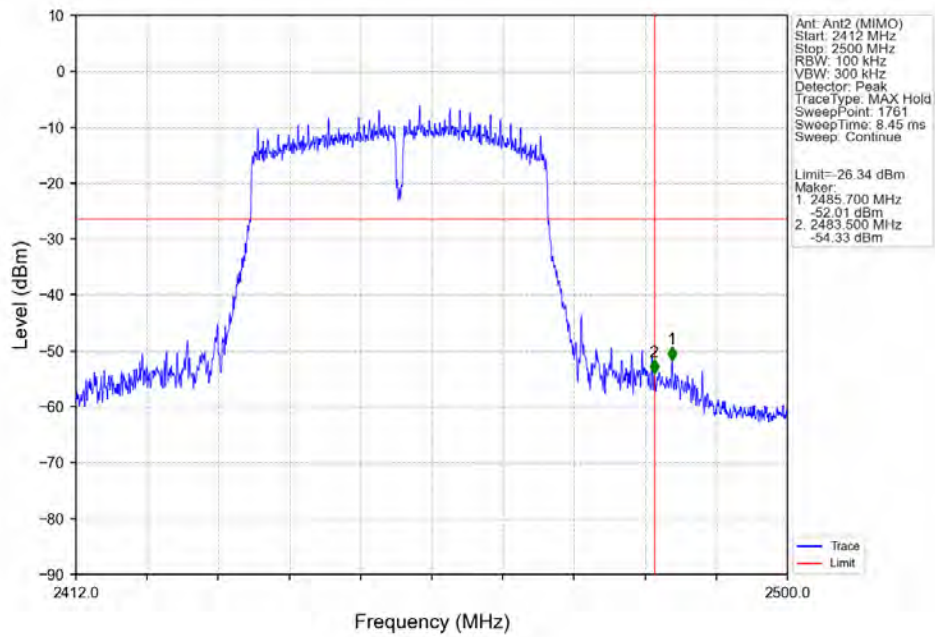
802.11n(HT40) HCH 2452MHz_Ant1 (MIMO)_NTNV



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



802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40) HCH 2452MHz_Ant2 (MIMO)_NTNV

