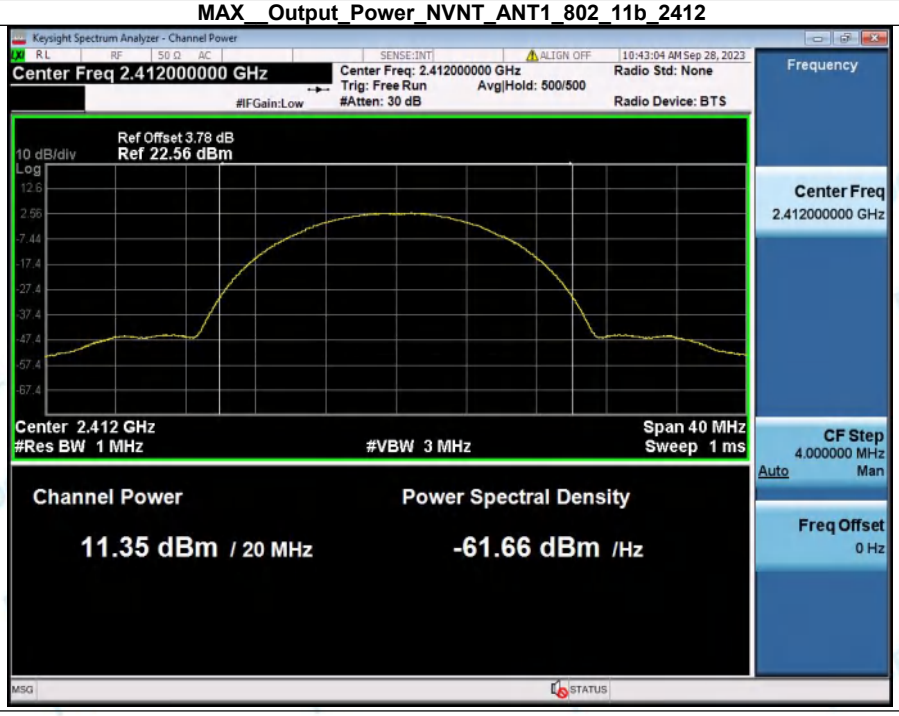
3. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	RMS	11.35	0.26	11.61	30	Pass
NVNT	ANT2	802.11b	2412.00	RMS	12.21	0.75	12.96	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	11.36	0.51	11.87	30	Pass
NVNT	ANT2	802.11b	2437.00	RMS	12.24	0.59	12.83	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	10.93	0.59	11.52	30	Pass
NVNT	ANT2	802.11b	2462.00	RMS	11.17	0.51	11.68	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	9.05	2.04	11.09	30	Pass
NVNT	ANT2	802.11g	2412.00	RMS	9.95	3.25	13.20	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	9.05	1.92	10.97	30	Pass
NVNT	ANT2	802.11g	2437.00	RMS	9.67	2.50	12.17	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	8.65	2.30	10.95	30	Pass
NVNT	ANT2	802.11g	2462.00	RMS	8.91	2.73	11.64	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	8.77	2.30	11.07	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	RMS	9.49	2.22	11.71	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	8.72	3.52	12.24	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	RMS	9.44	2.22	11.66	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	8.13	1.25	9.38	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	RMS	8.36	3.01	11.37	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	RMS	9.72	3.68	13.40	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	RMS	10.75	2.22	12.97	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	RMS	9.69	3.98	13.67	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	RMS	10.45	2.63	13.08	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	RMS	9.87	4.77	14.64	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	RMS	10.45	3.01	13.46	30	Pass

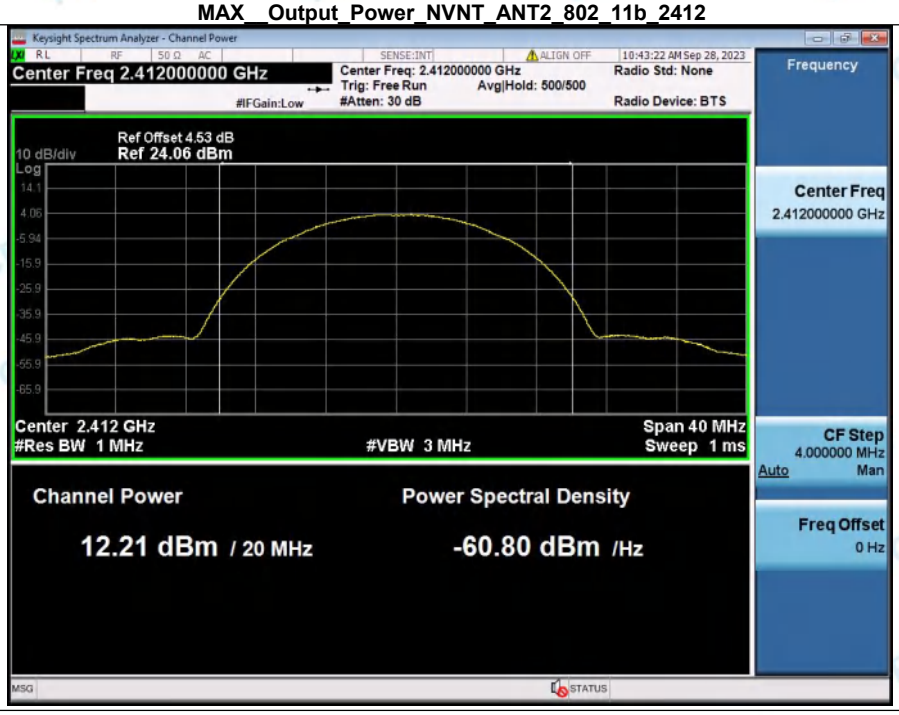
Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted_Power(dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	14.41	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	14.97	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	13.50	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	16.20	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	16.39	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	17.10	30	Pass

P_{ant1} (MW) $= 10^{dBm/10}$, P_{ant2} (MW) $= 10^{dBm/10}$; P_{MIMO} (dBm) $=10*\log(P_{ant1}$ (MW) $+ P_{ant2}$ (MW))

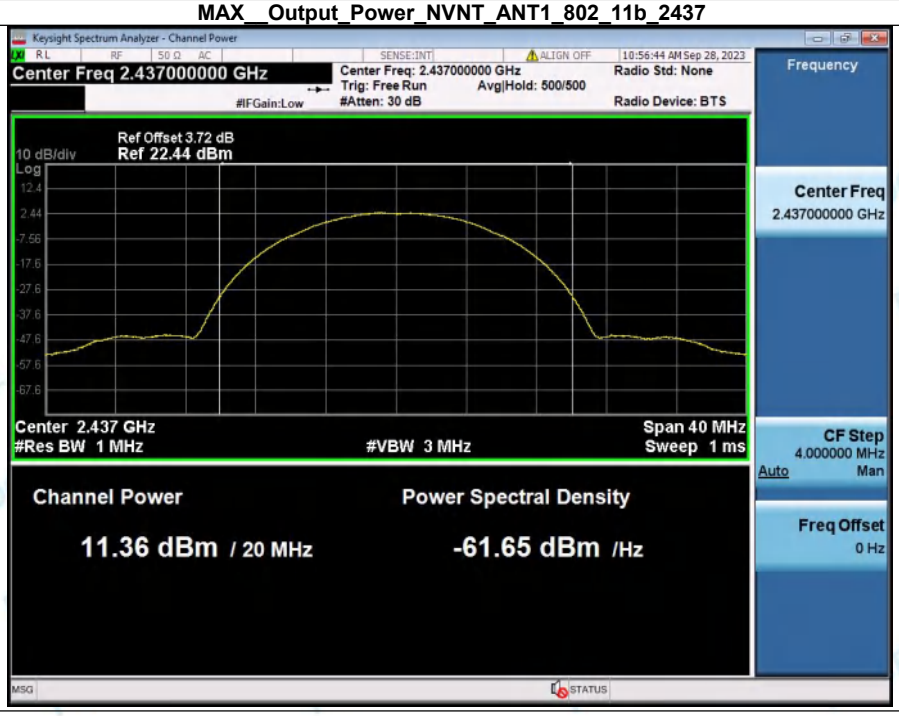
MAX__Output_Power_NVNT_ANT1_802_11b_2412



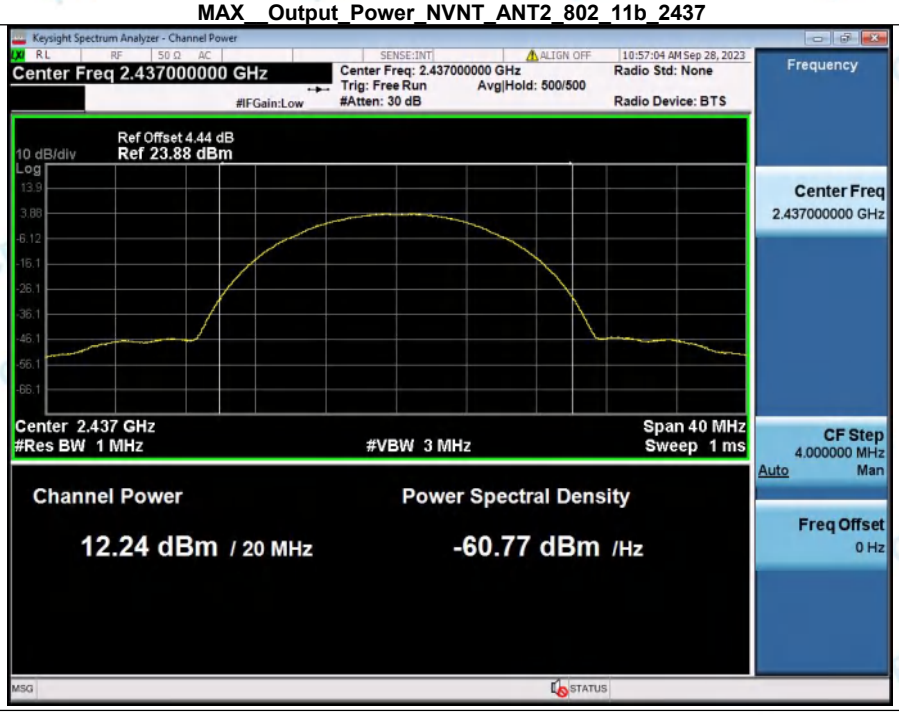
MAX__Output_Power_NVNT_ANT2_802_11b_2412



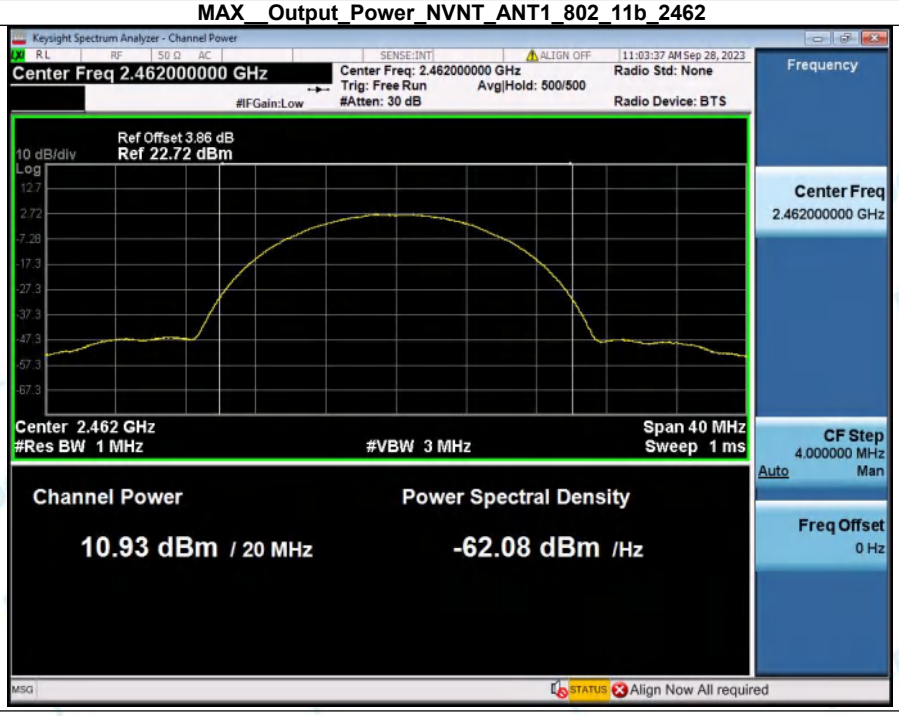
MAX__Output_Power_NVNT_ANT1_802_11b_2437



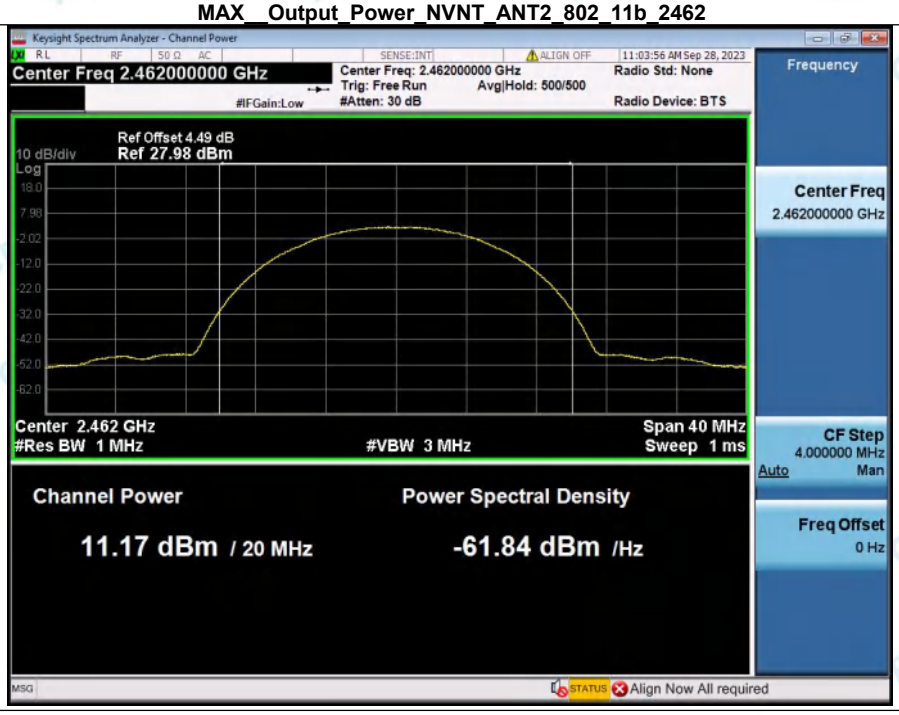
MAX__Output_Power_NVNT_ANT2_802_11b_2437



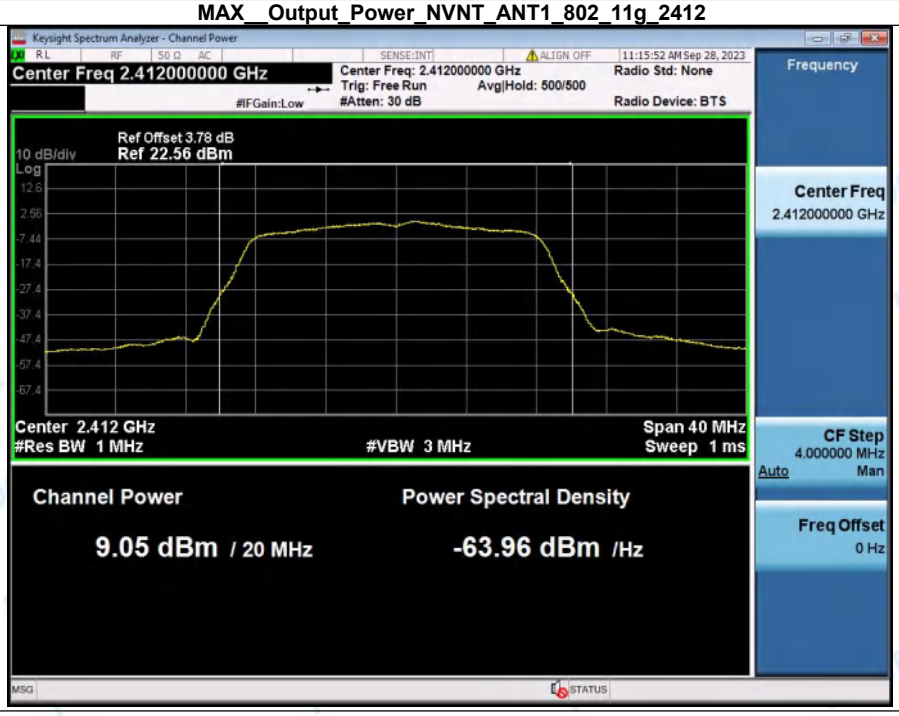
MAX__Output_Power_NVNT_ANT1_802_11b_2462



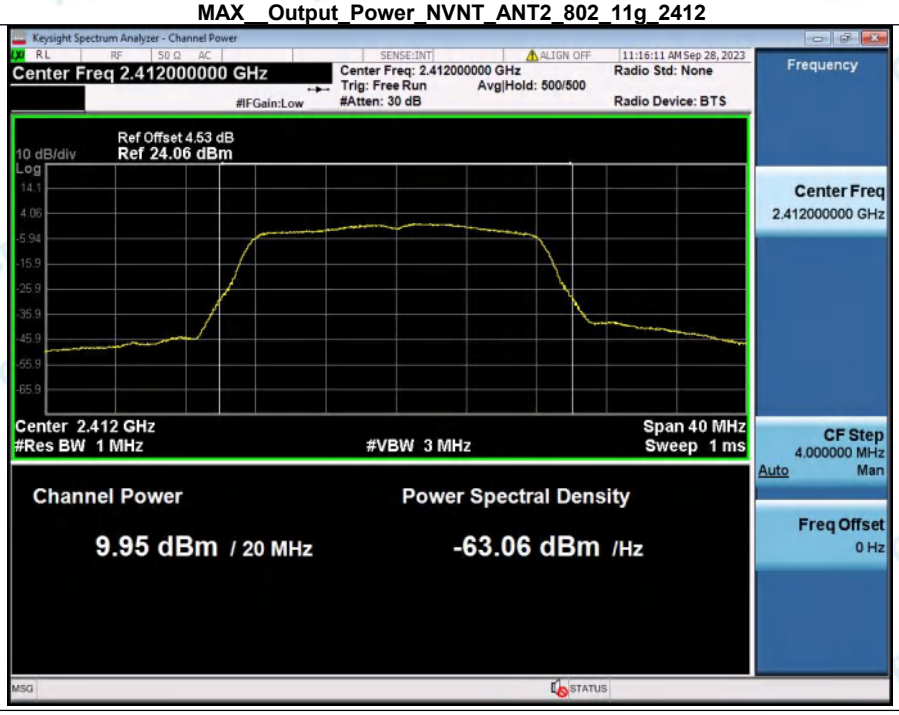
MAX__Output_Power_NVNT_ANT2_802_11b_2462



MAX__Output_Power_NVNT_ANT1_802_11g_2412



MAX__Output_Power_NVNT_ANT2_802_11g_2412



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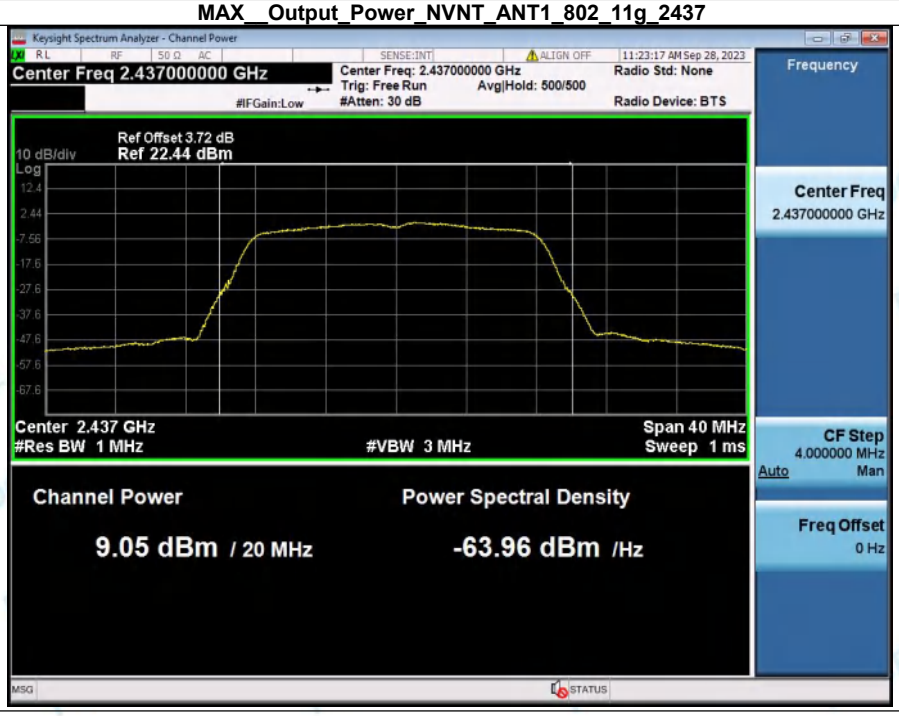
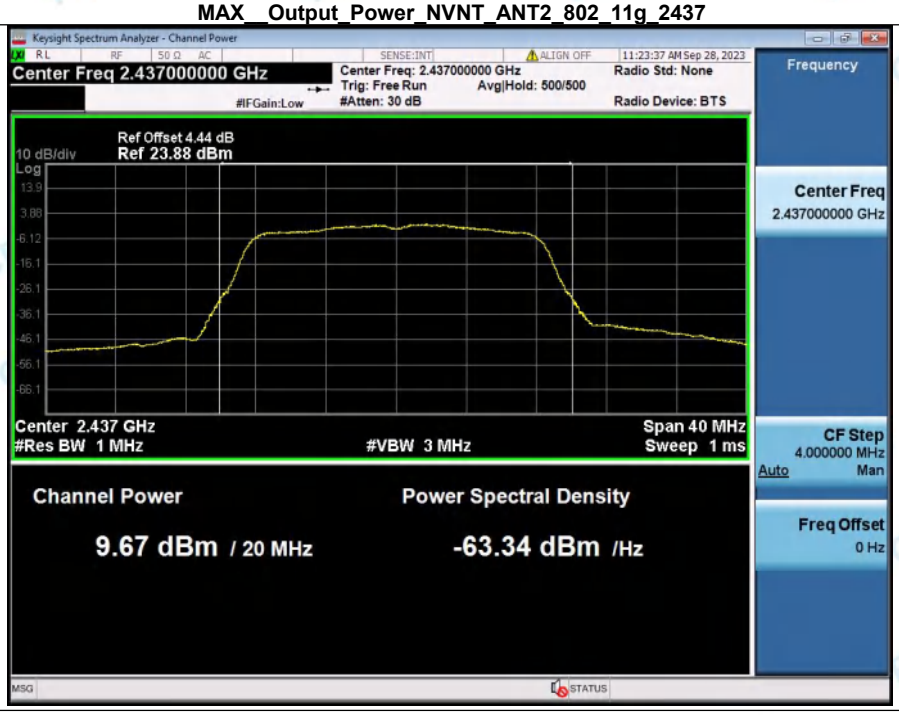
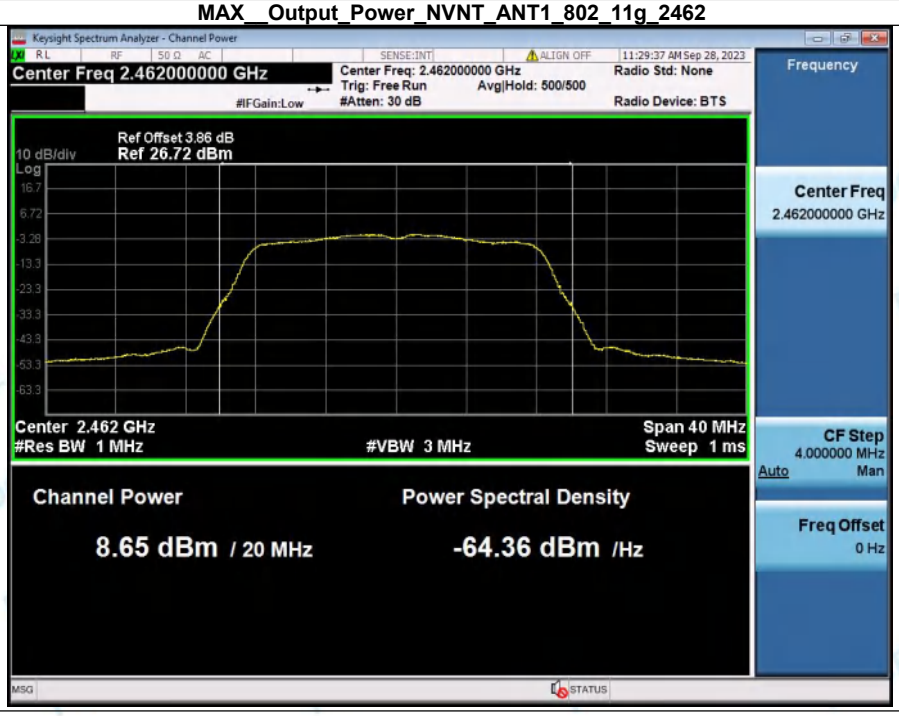


MAX__Output_Power_NVNT_ANT2_802_11g_2437



MAX__Output_Power_NVNT_ANT1_802_11g_2462



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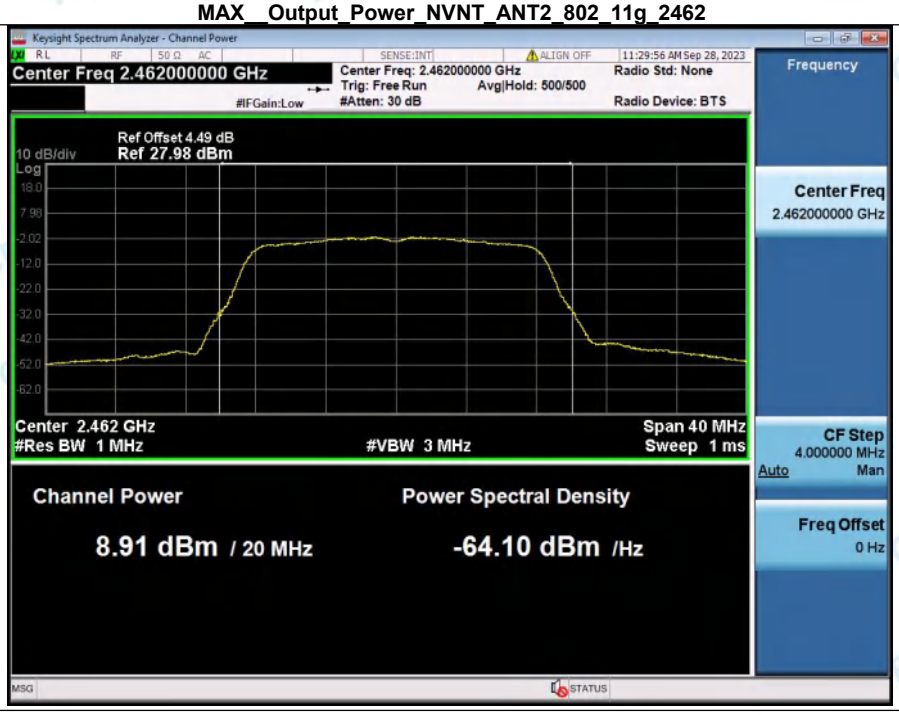
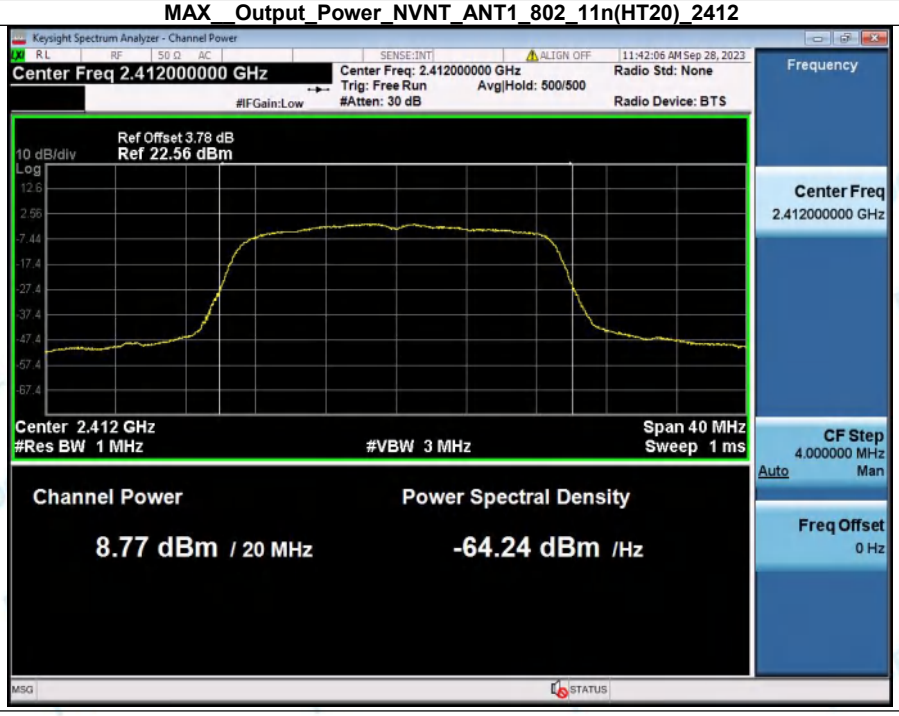
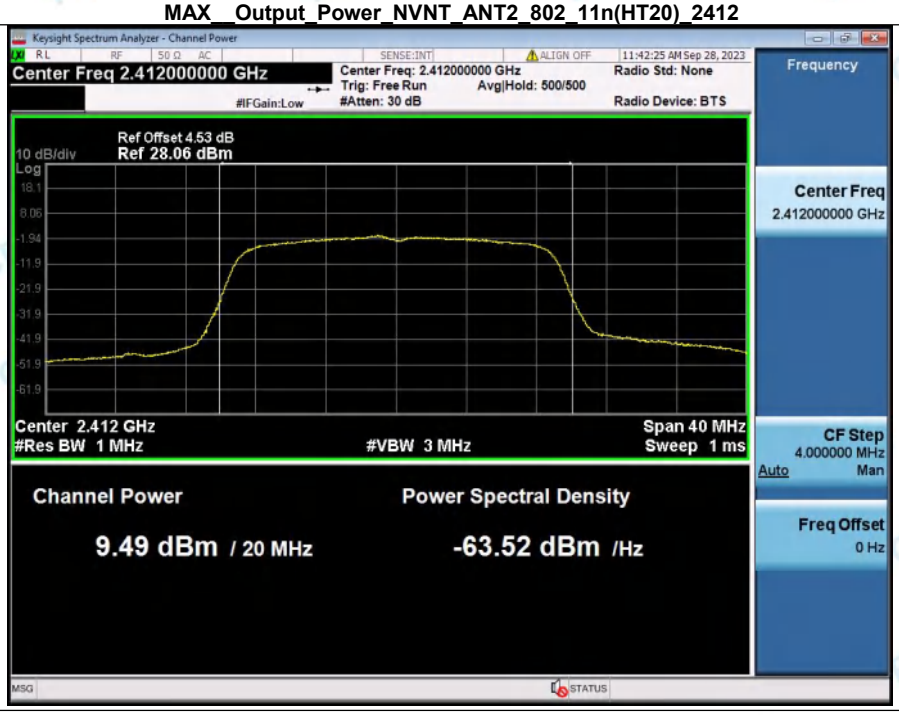


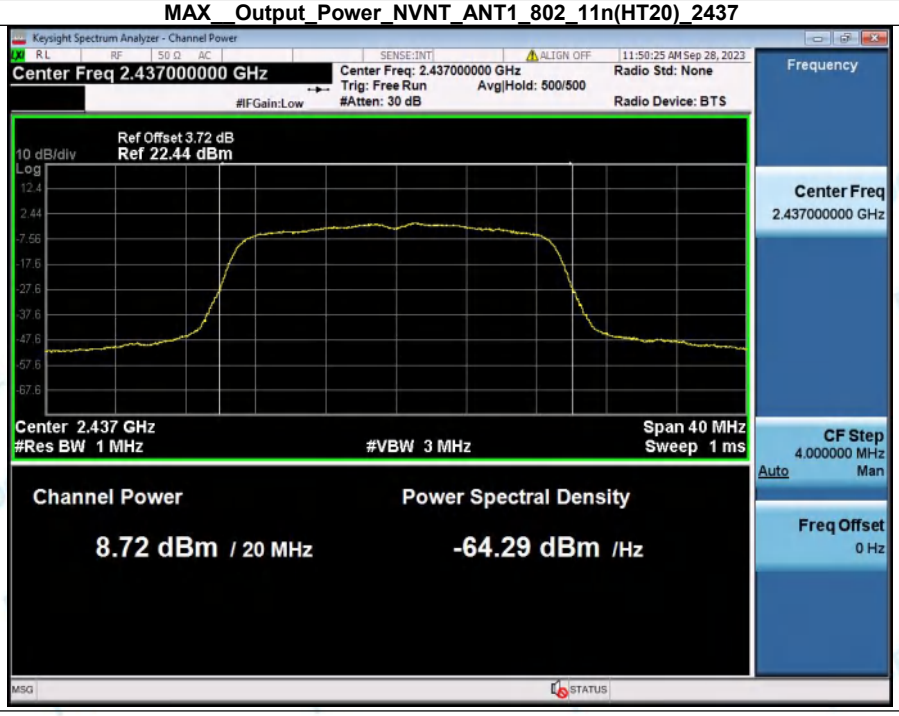
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2412



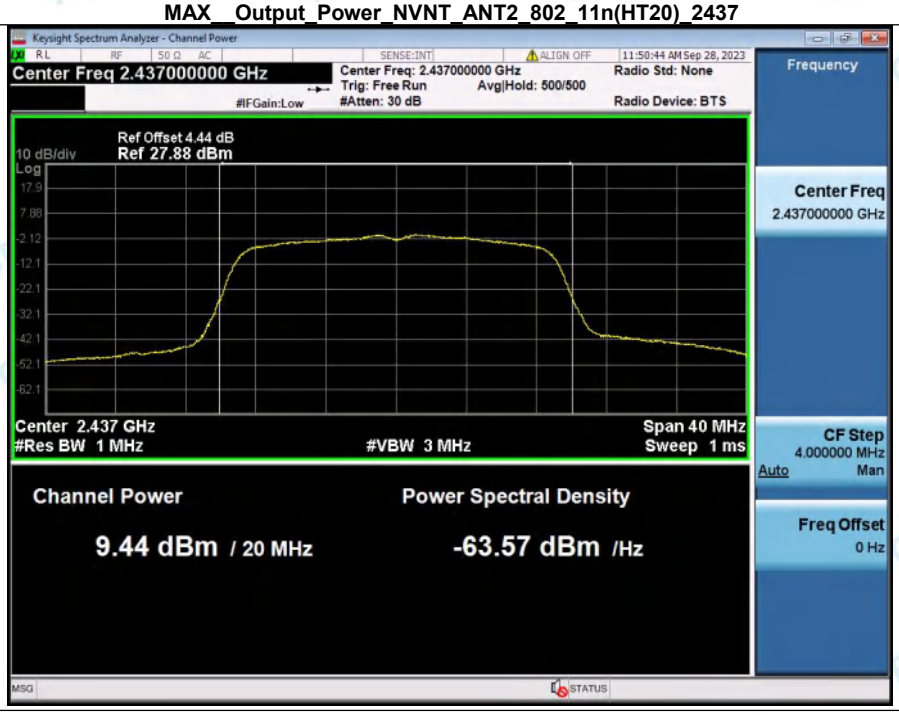
MAX__Output_Power_NVNT_ANT2_802_11n(HT20)_2412



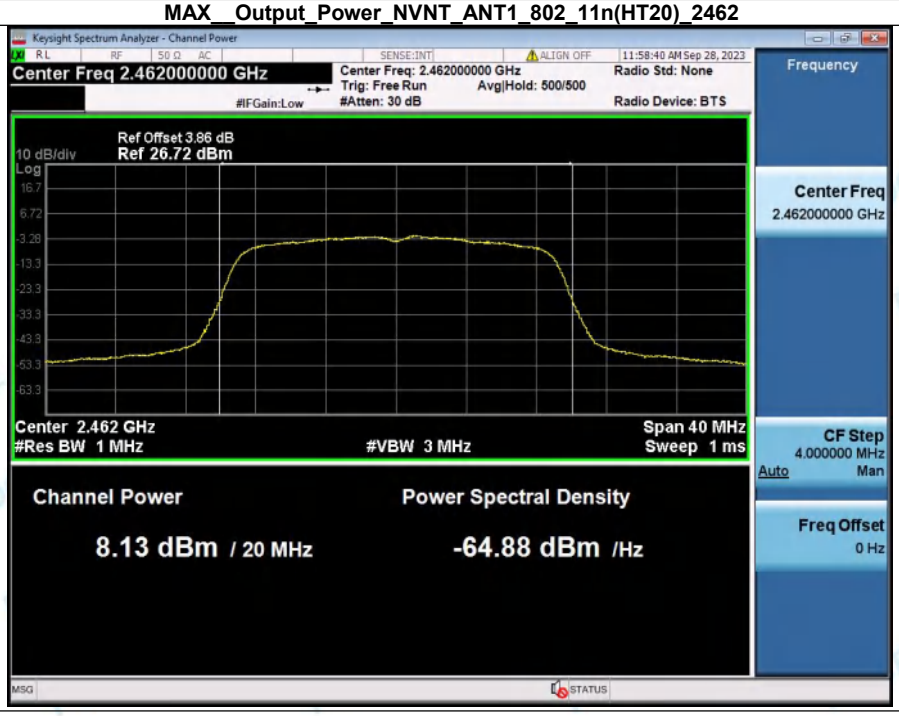
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2437



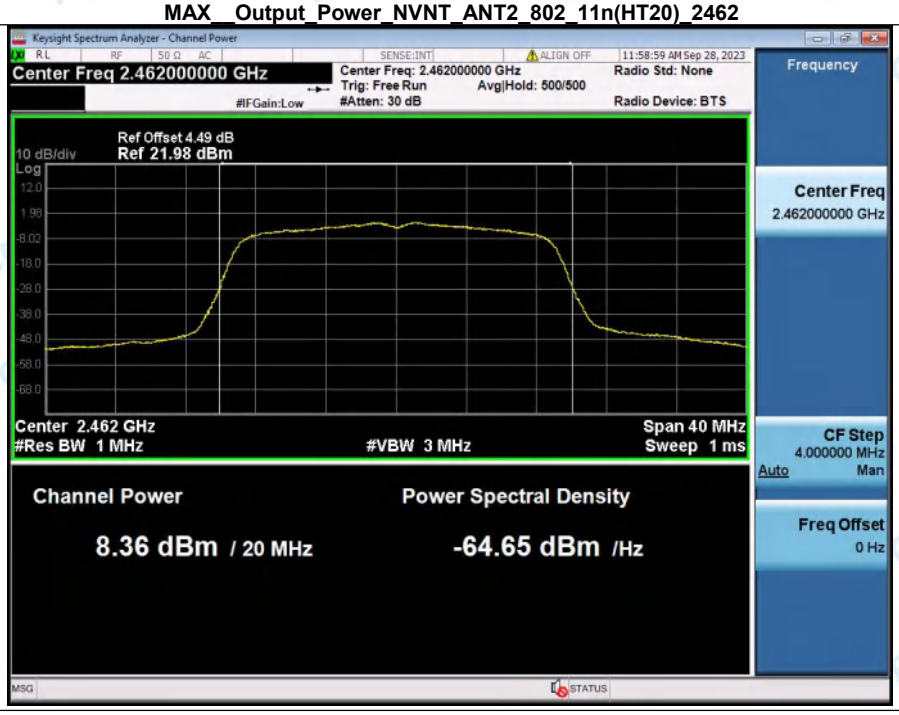
MAX__Output_Power_NVNT_ANT2_802_11n(HT20)_2437



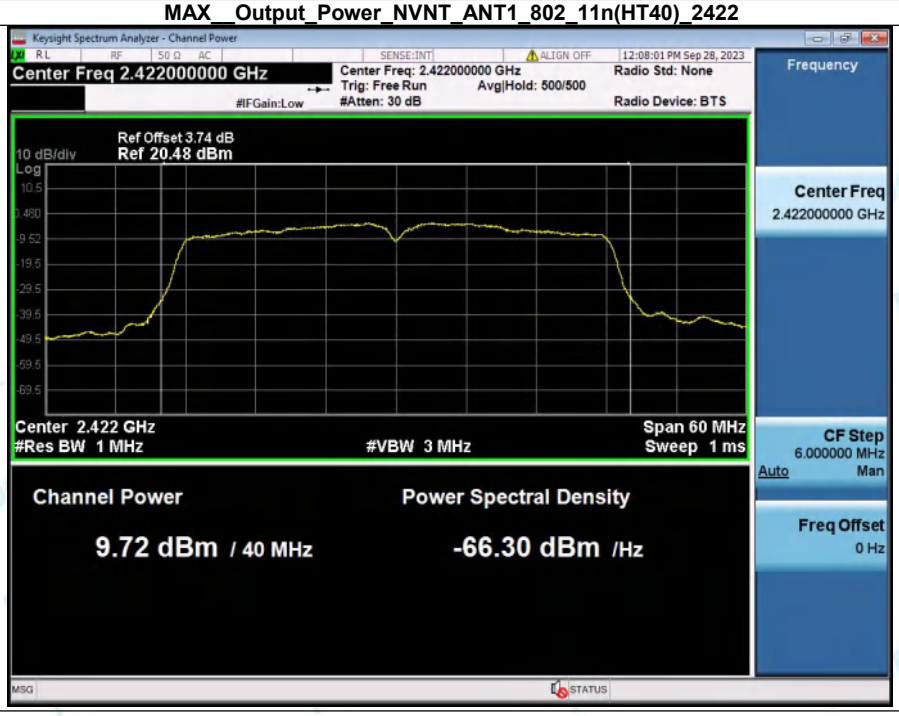
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2462



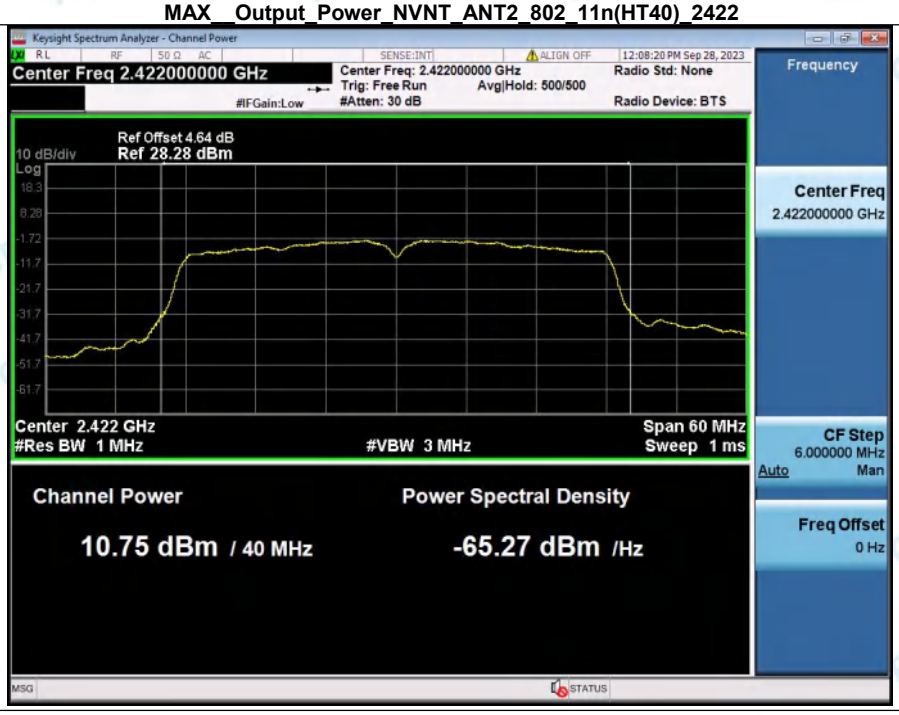
MAX__Output_Power_NVNT_ANT2_802_11n(HT20)_2462



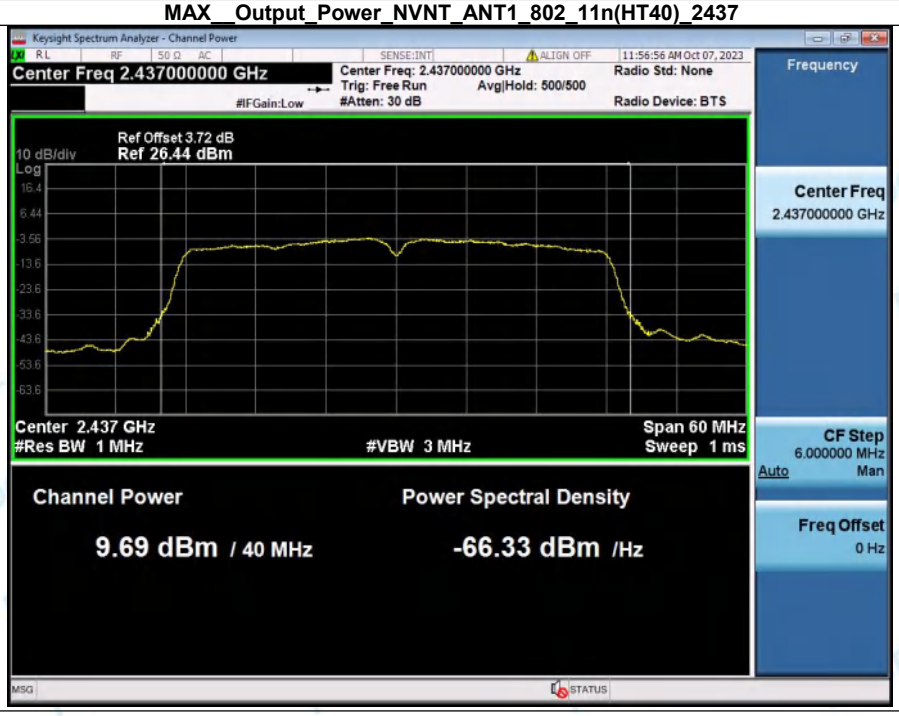
MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2422



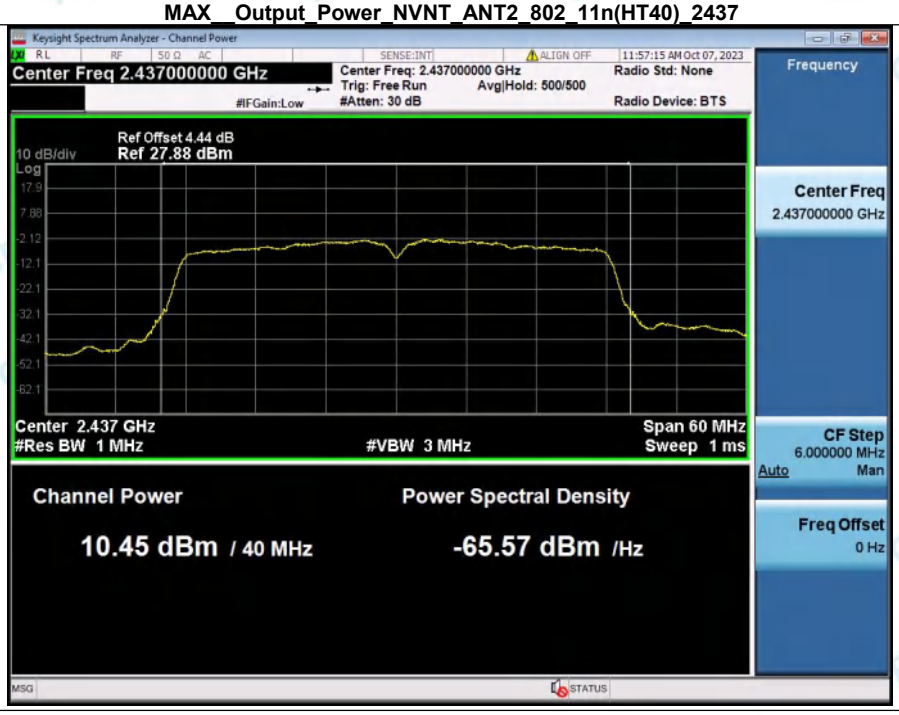
MAX__Output_Power_NVNT_ANT2_802_11n(HT40)_2422



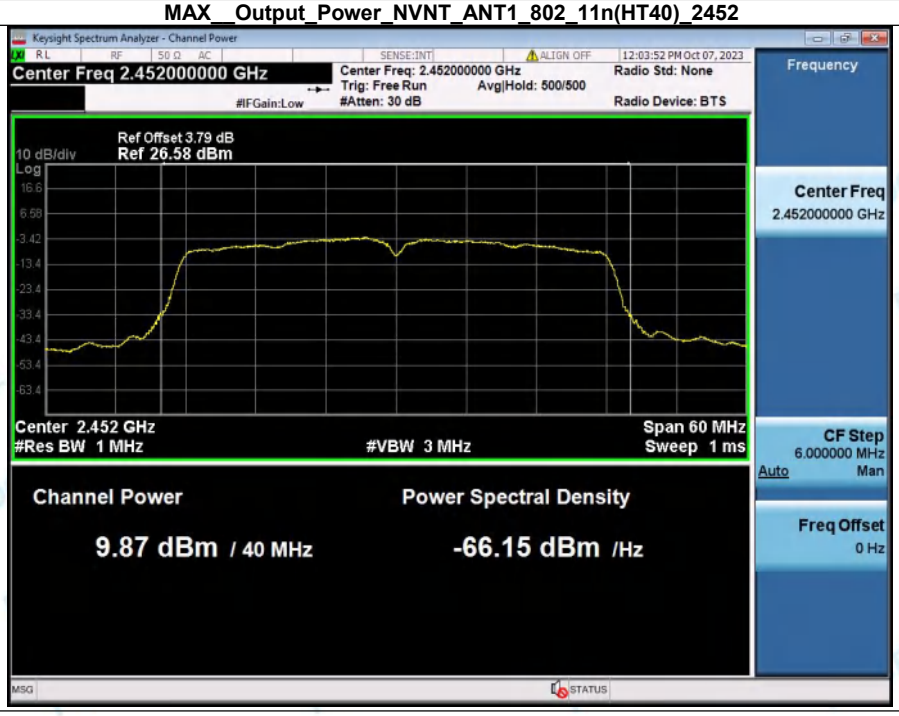
MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2437



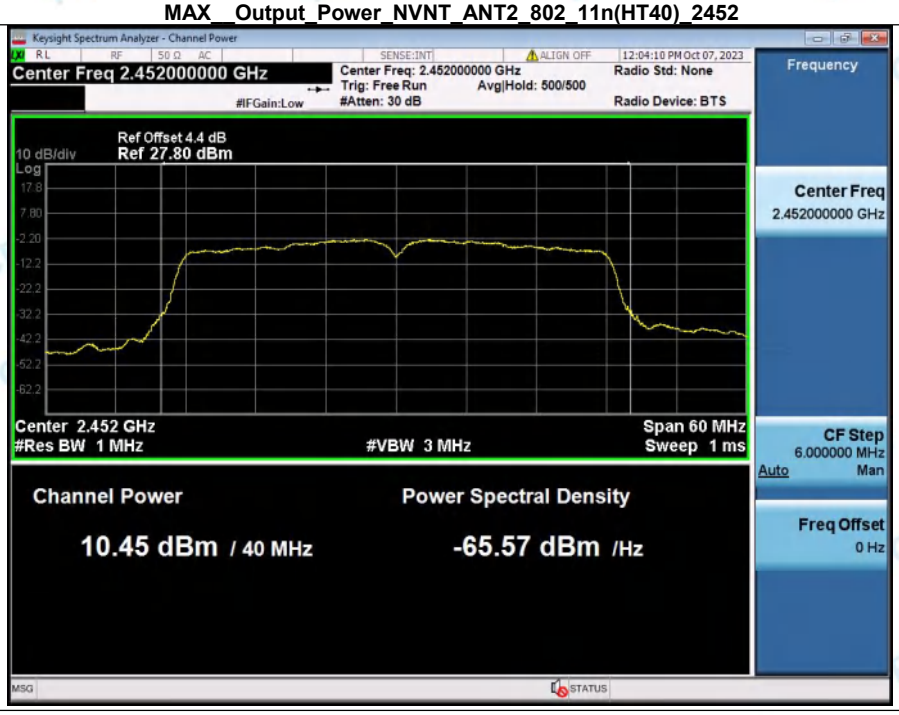
MAX__Output_Power_NVNT_ANT2_802_11n(HT40)_2437



MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2452



MAX__Output_Power_NVNT_ANT2_802_11n(HT40)_2452



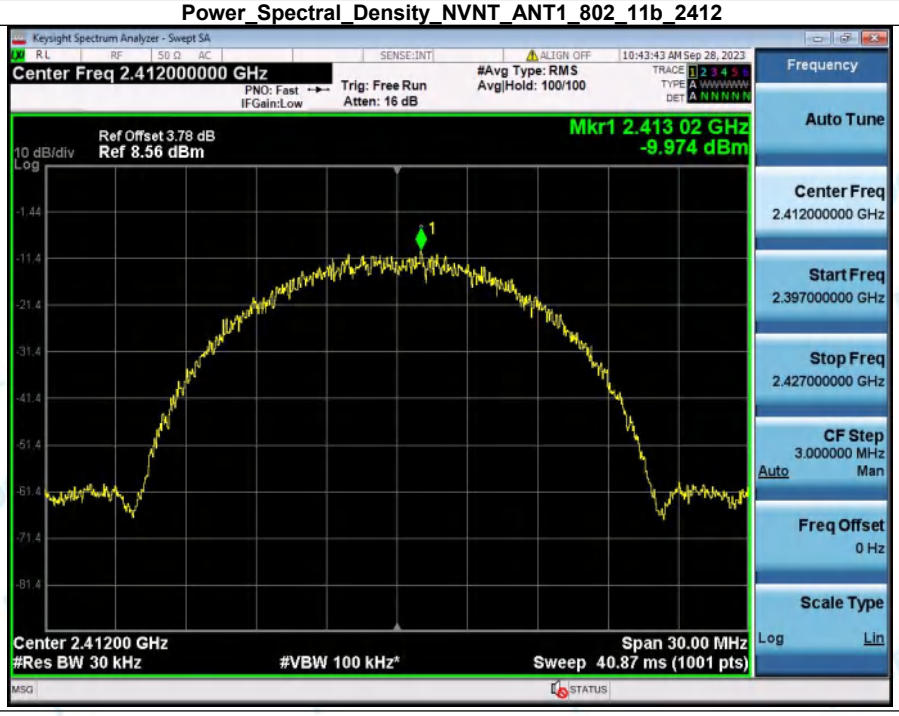
4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-9.97	8	Pass
NVNT	ANT2	802.11b	2412.00	-9.06	8	Pass
NVNT	ANT1	802.11b	2437.00	-9.56	8	Pass
NVNT	ANT2	802.11b	2437.00	-8.59	8	Pass
NVNT	ANT1	802.11b	2462.00	-10.08	8	Pass
NVNT	ANT2	802.11b	2462.00	-9.80	8	Pass
NVNT	ANT1	802.11g	2412.00	-13.44	8	Pass
NVNT	ANT2	802.11g	2412.00	-12.71	8	Pass
NVNT	ANT1	802.11g	2437.00	-13.57	8	Pass
NVNT	ANT2	802.11g	2437.00	-12.79	8	Pass
NVNT	ANT1	802.11g	2462.00	-13.77	8	Pass
NVNT	ANT2	802.11g	2462.00	-14.04	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-13.56	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-11.64	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-13.89	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-11.89	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-14.08	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-12.74	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-14.43	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-12.40	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-14.51	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-13.29	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-14.06	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-13.12	8	Pass

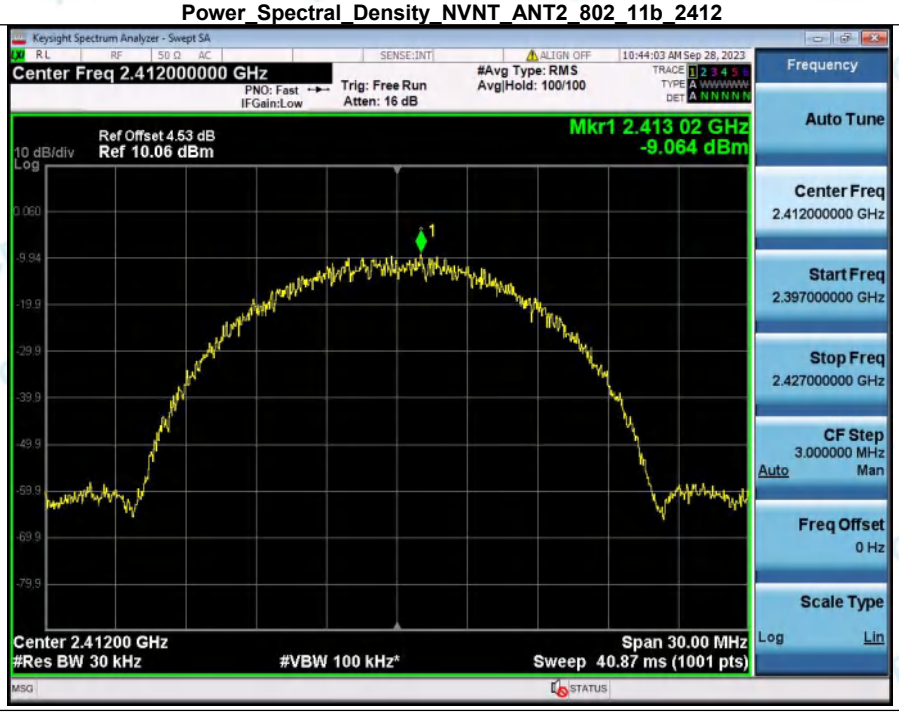
Condition	Antenna	Mode	Frequency(MHz)	PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	-9.48	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	-9.77	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	-10.35	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	-10.29	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	-10.85	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	-10.55	8	Pass

P_{ant1} (MW) $= 10^{dBm/10}$, P_{ant2} (MW) $= 10^{dBm/10}$; P_{MIMO} (dBm) $=10*\log(P_{ant1}$ (MW) + P_{ant2} (MW))

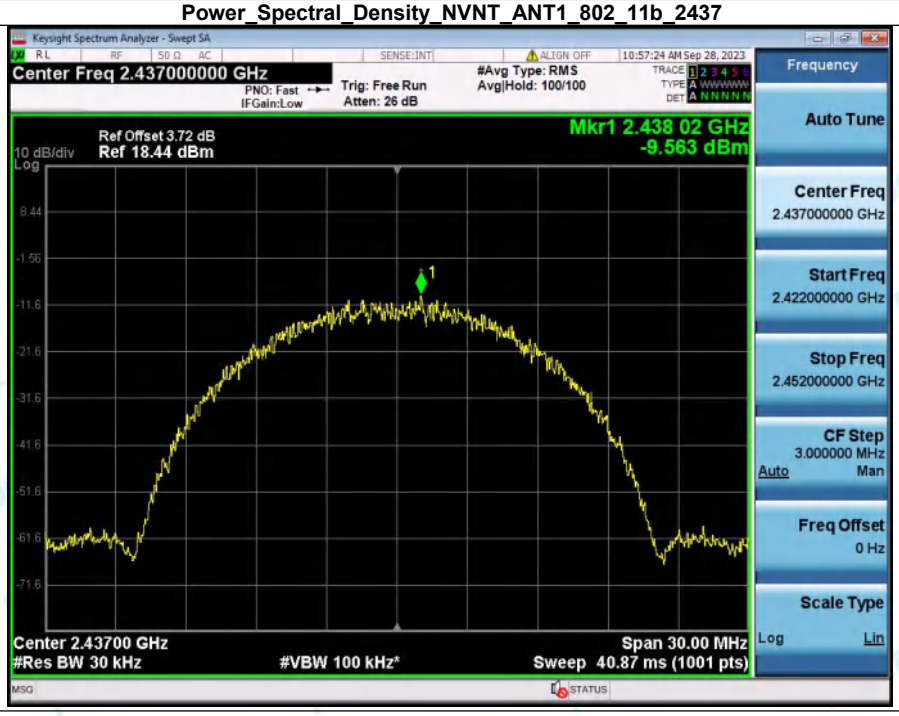
Power_Spectral_Density_NVNT_ANT1_802_11b_2412



Power_Spectral_Density_NVNT_ANT2_802_11b_2412



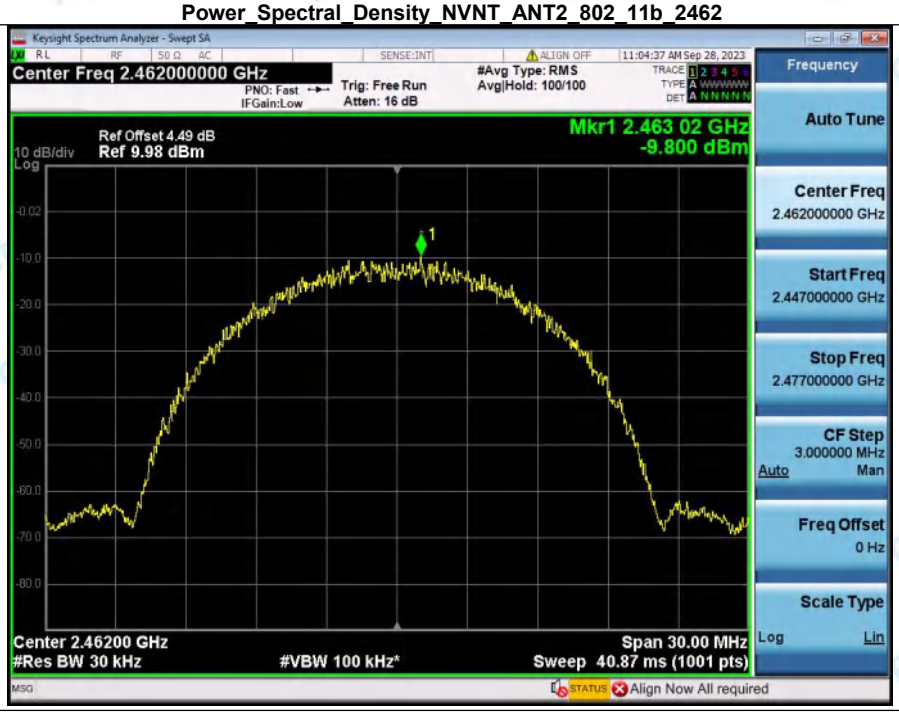
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



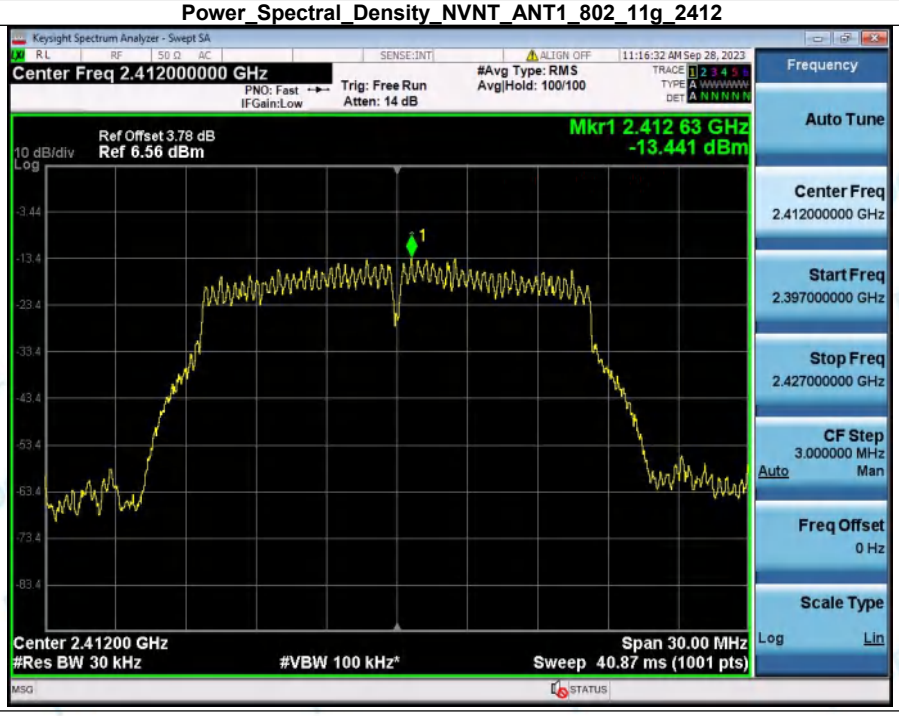
Power_Spectral_Density_NVNT_ANT2_802_11b_2437

Power_Spectral_Density_NVNT_ANT1_802_11b_2462

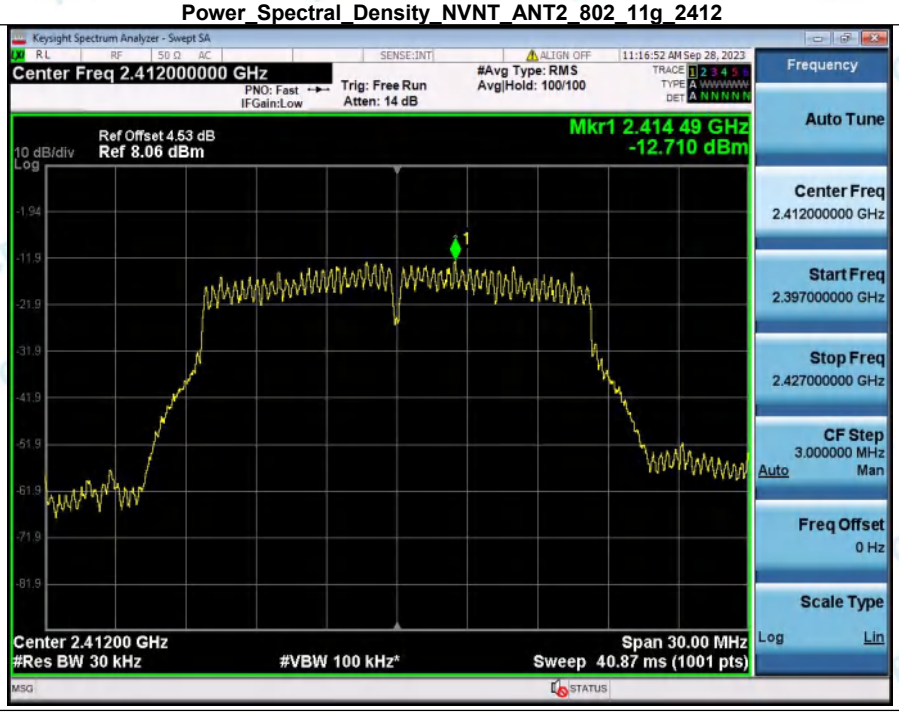
Power_Spectral_Density_NVNT_ANT2_802_11b_2462



Power_Spectral_Density_NVNT_ANT1_802_11g_2412



Power_Spectral_Density_NVNT_ANT2_802_11g_2412

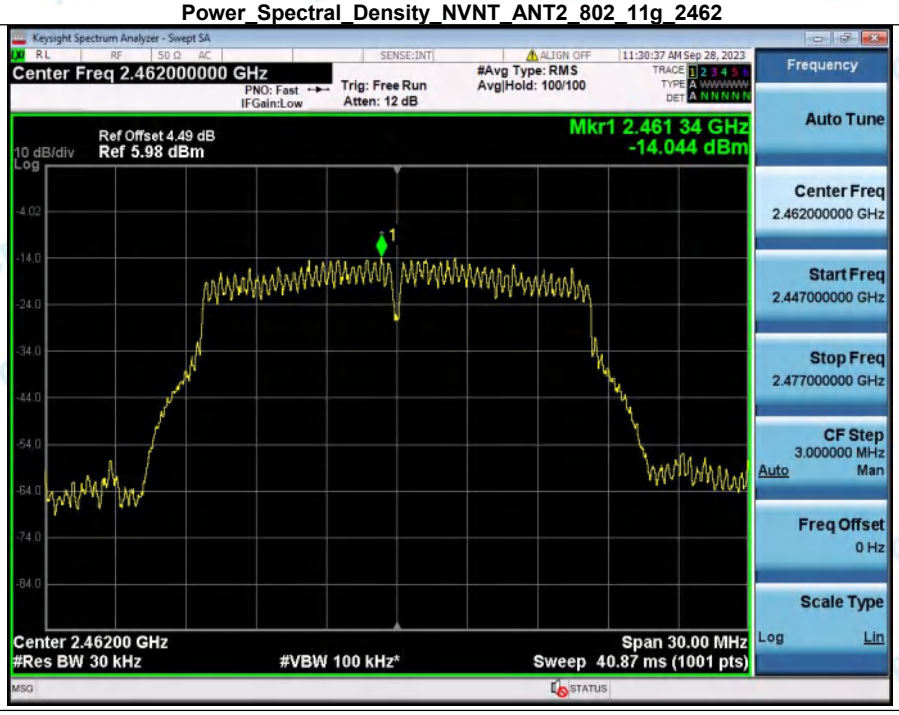


Power_Spectral_Density_NVNT_ANT1_802_11g_2437

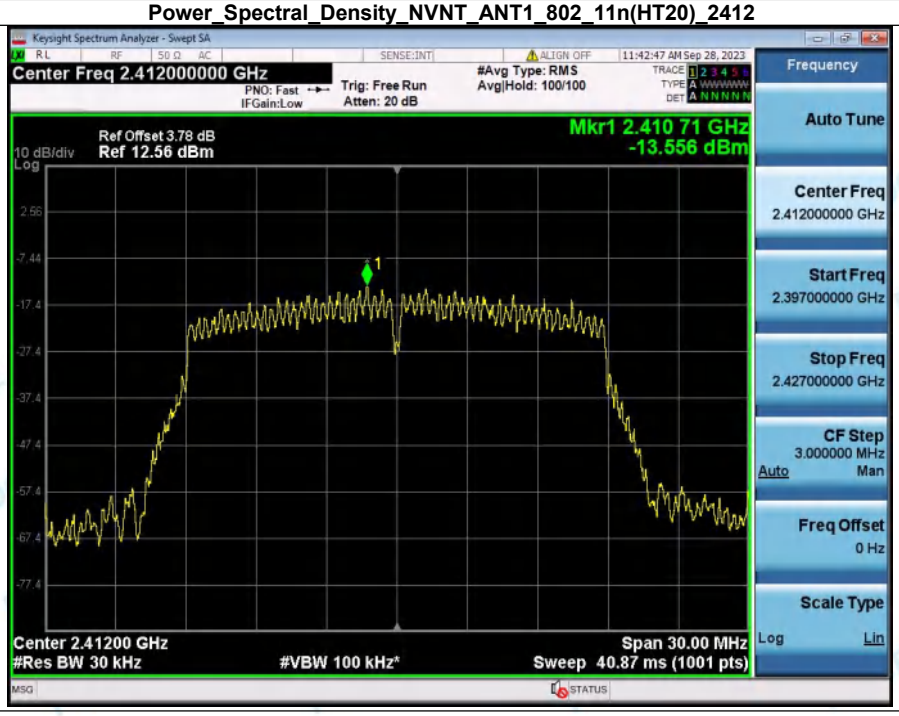
Power_Spectral_Density_NVNT_ANT2_802_11g_2437

Power_Spectral_Density_NVNT_ANT1_802_11g_2462

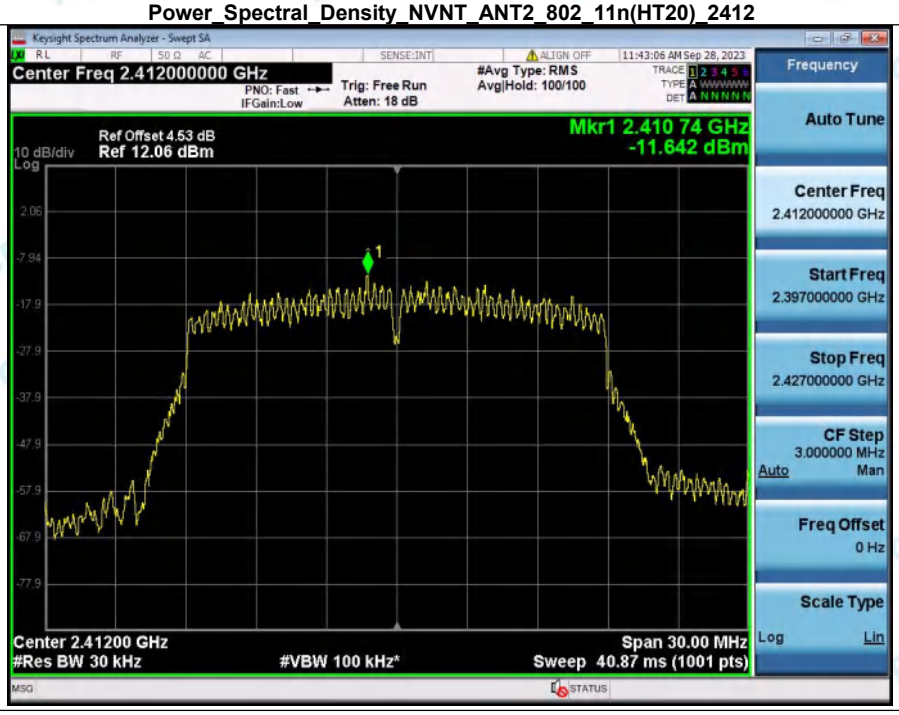
Power_Spectral_Density_NVNT_ANT2_802_11g_2462



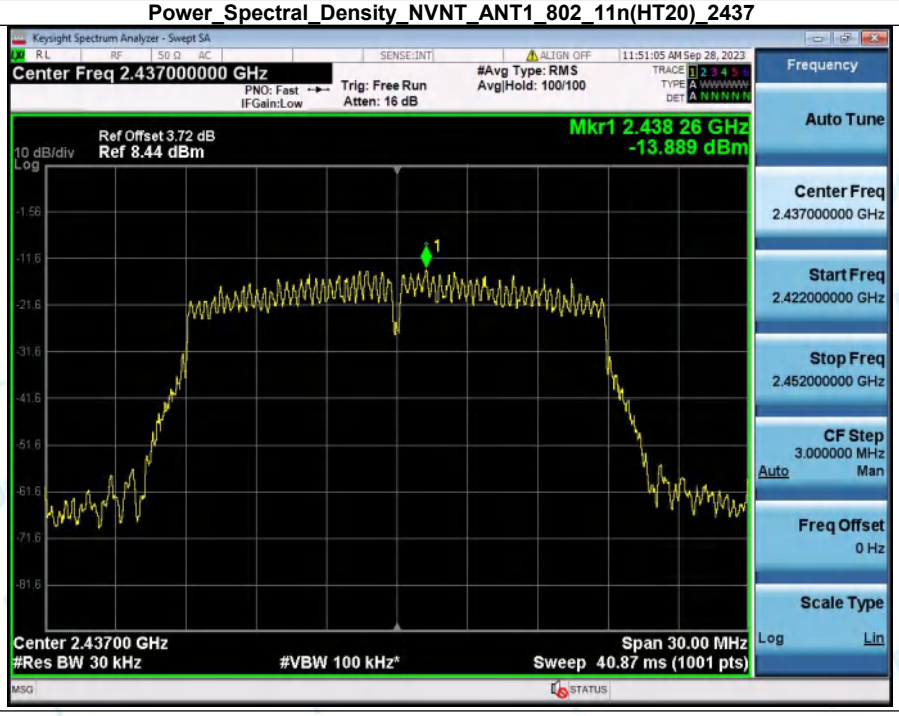
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



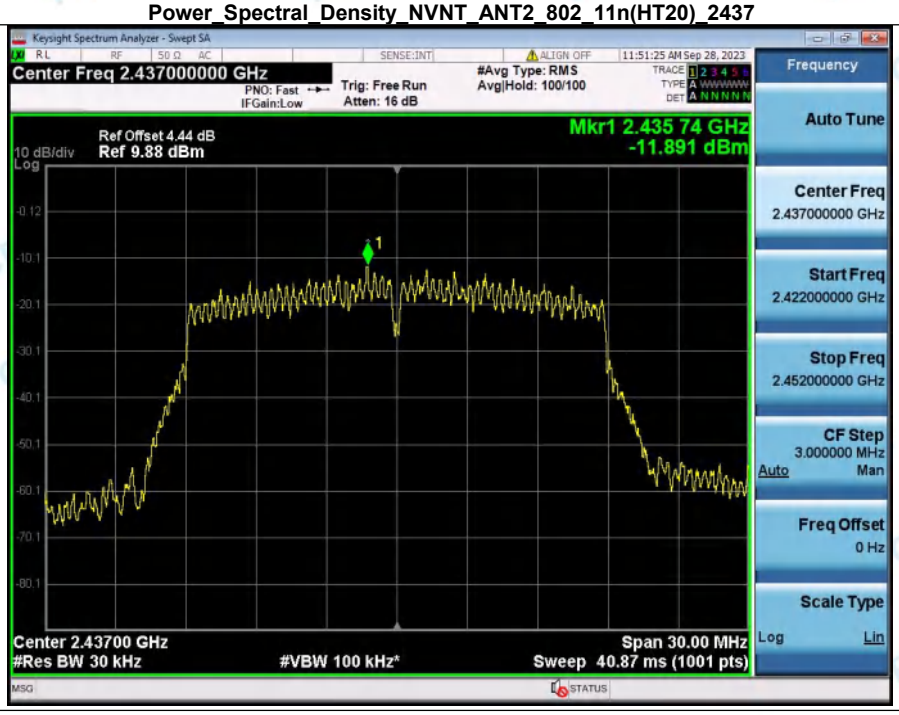
Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2412



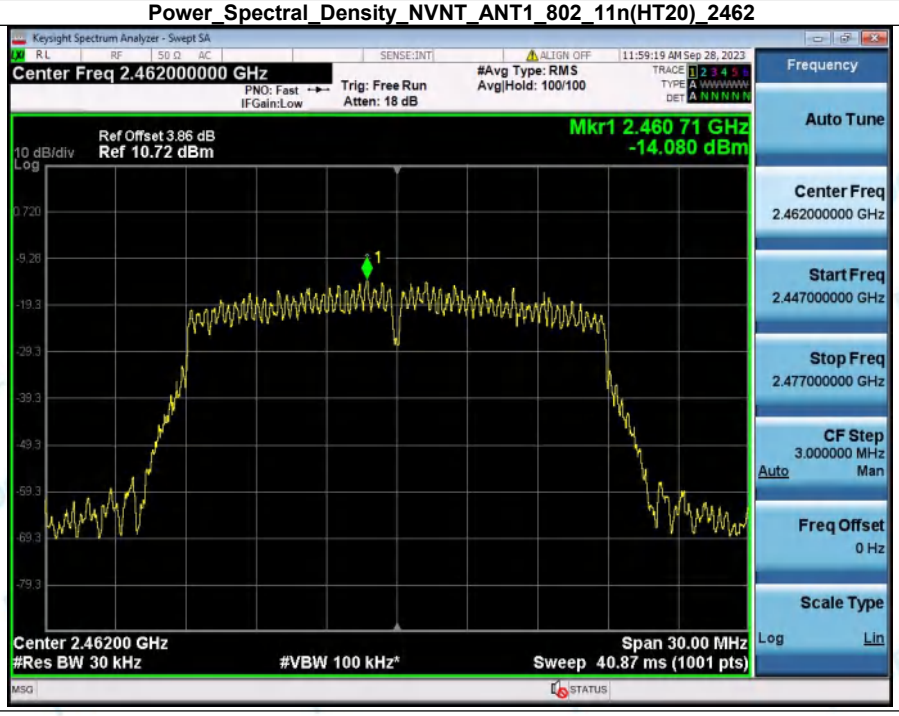
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



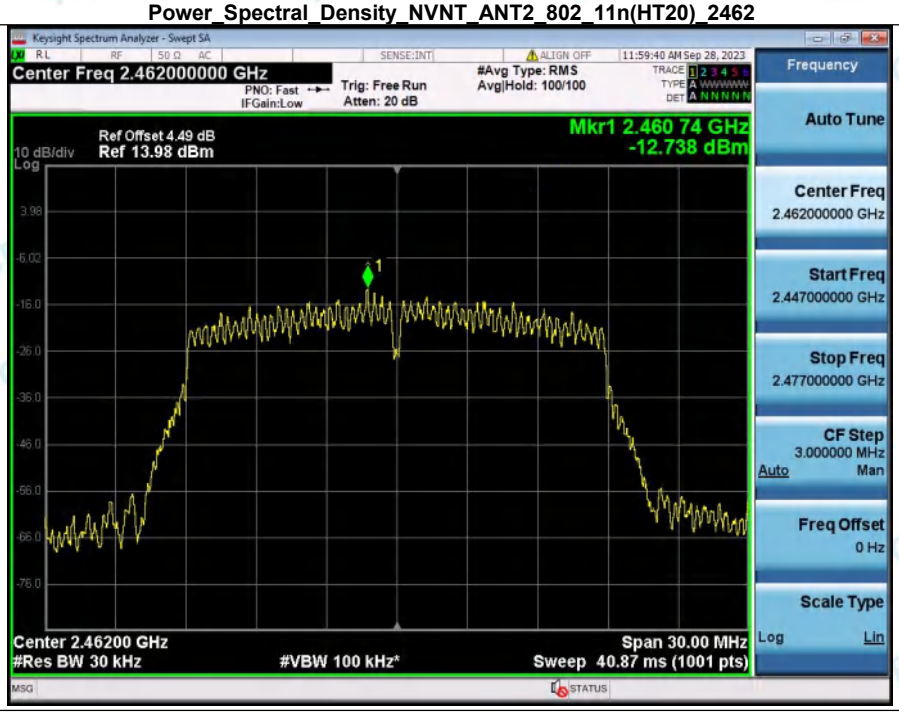
Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2437



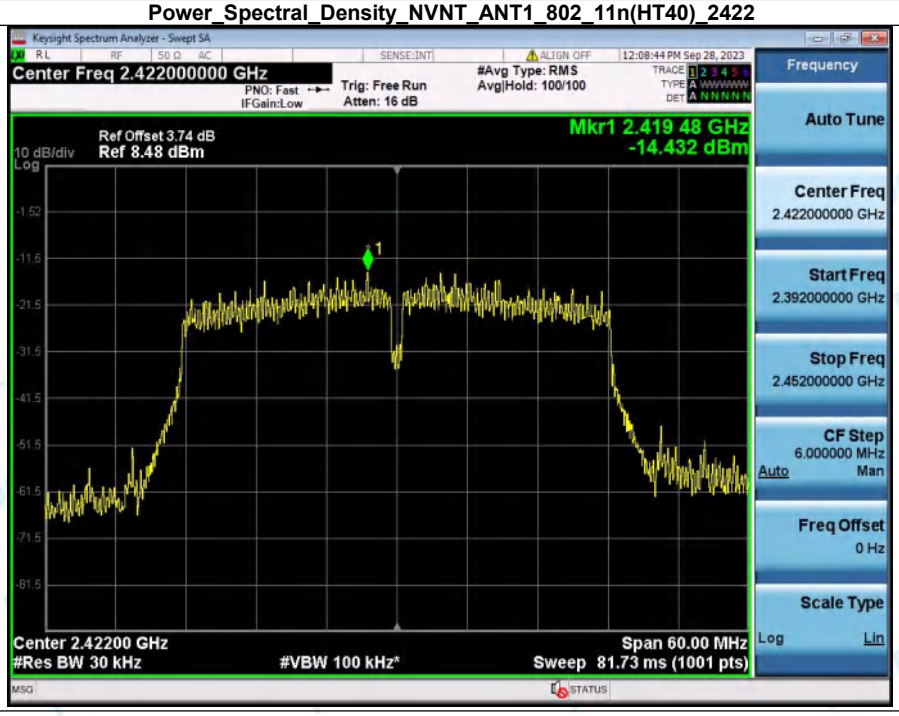
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



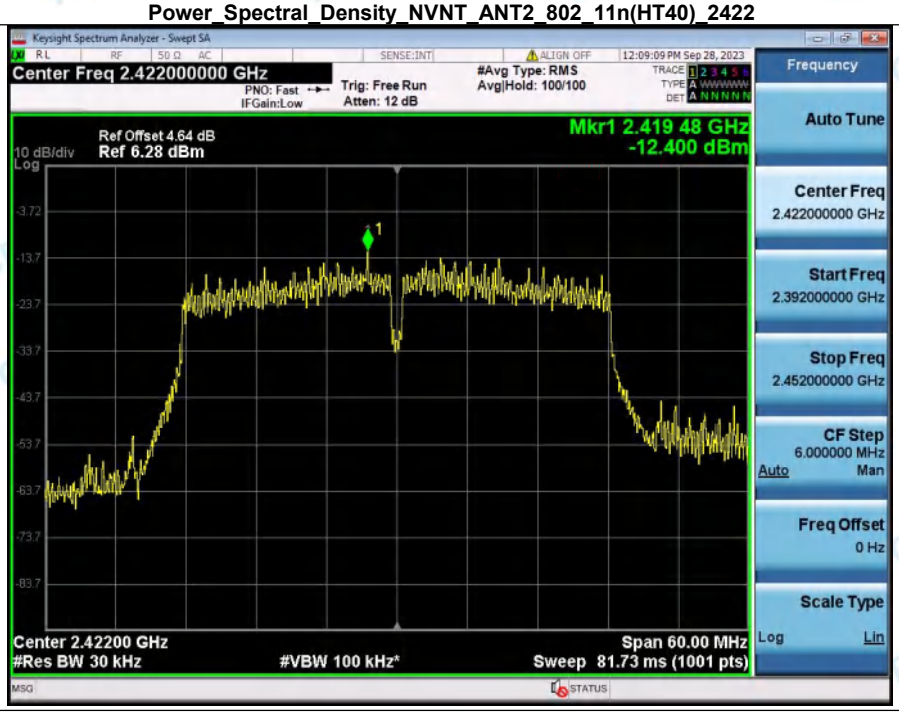
Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2462



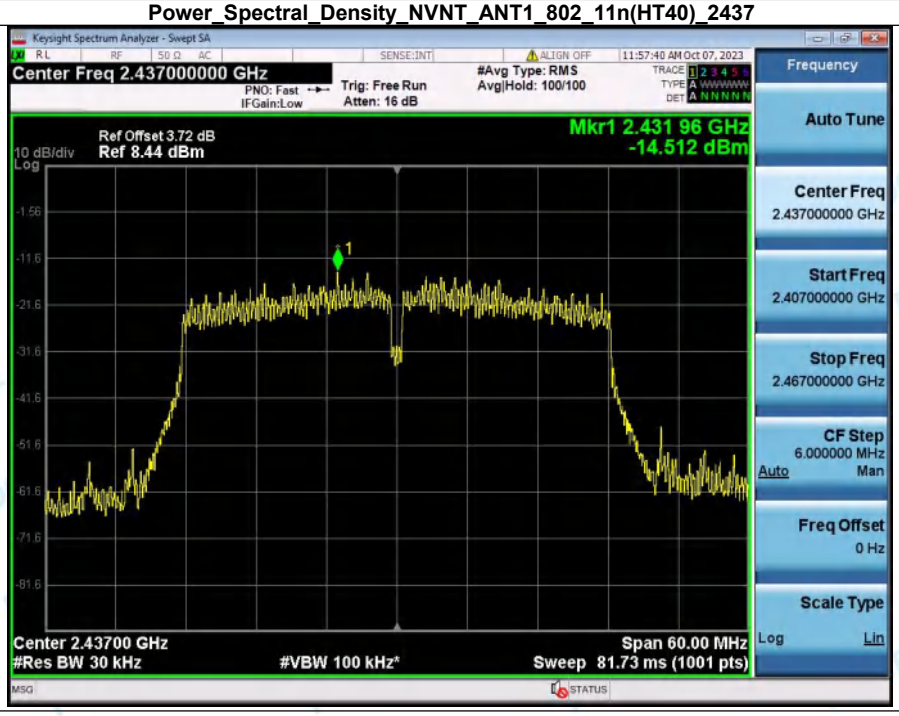
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



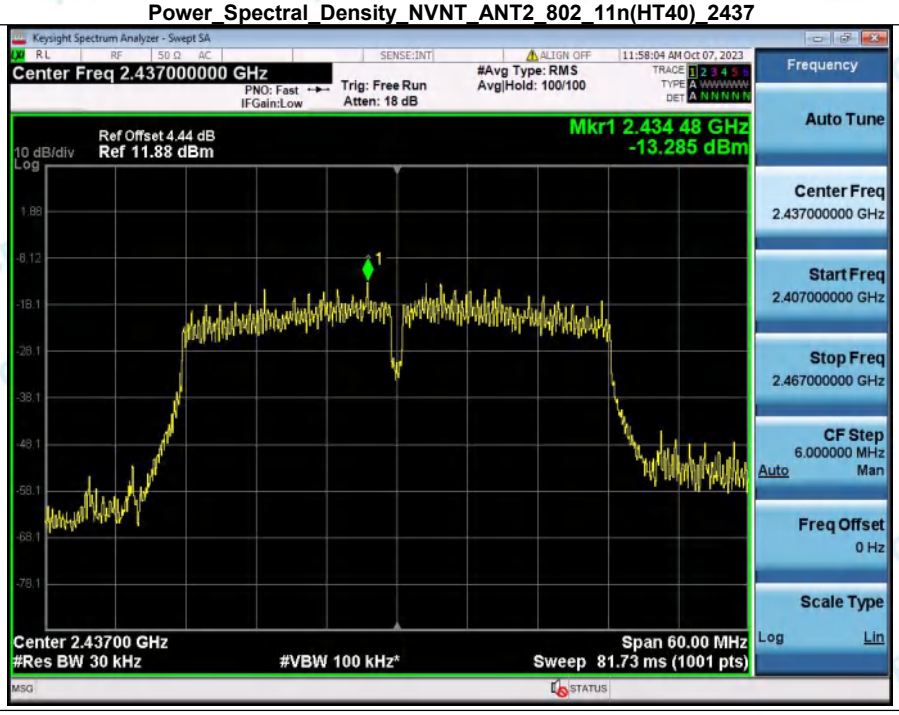
Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2422



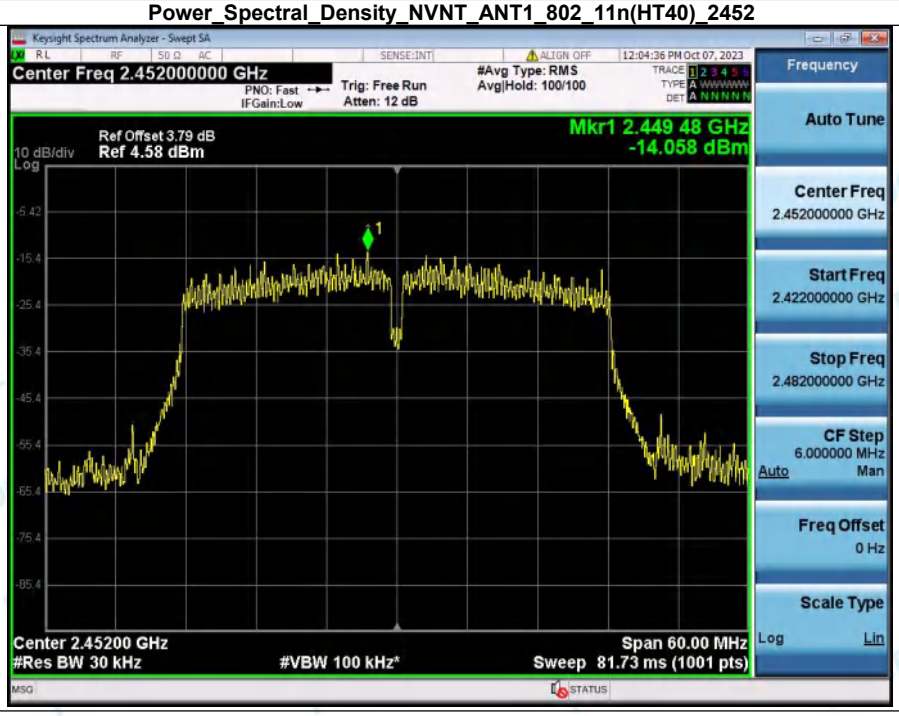
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



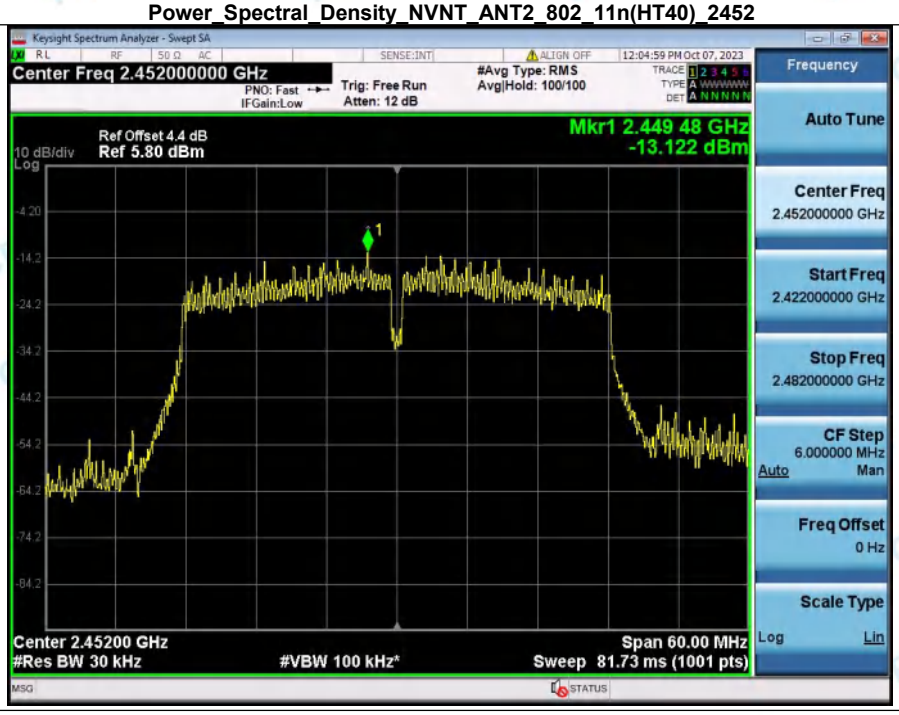
Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452



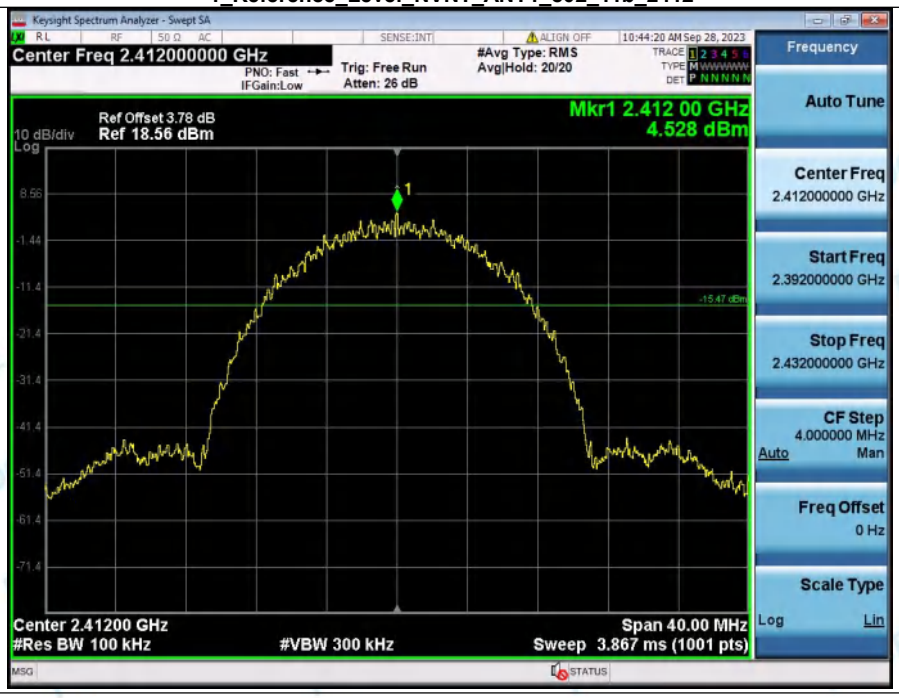
Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2452



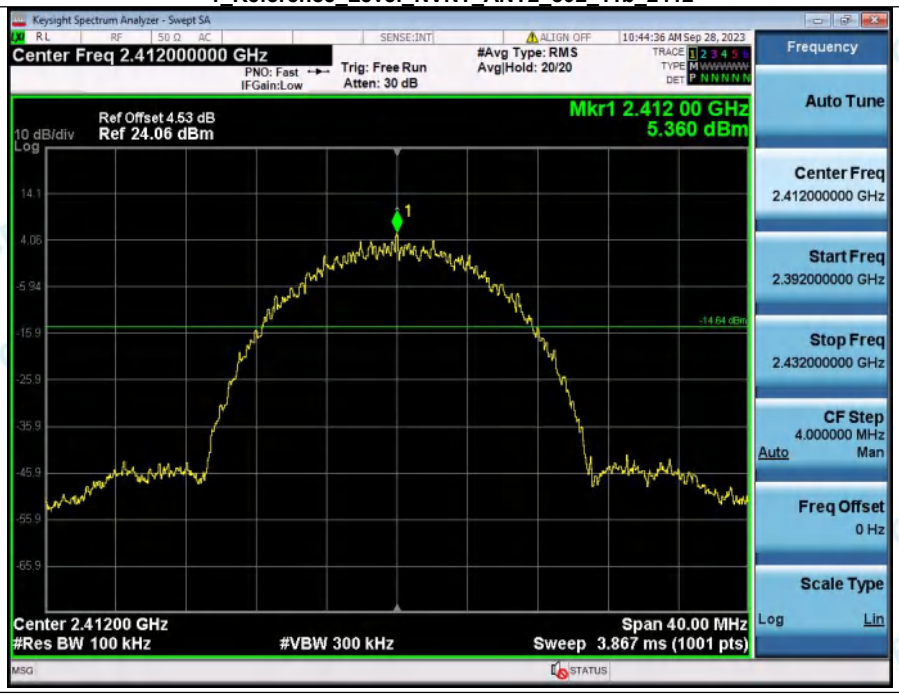
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2396.464	-44.675	-15.472	Pass
NVNT	ANT2	802.11b	2412.00	2398.928	-43.632	-15.472	Pass
NVNT	ANT1	802.11b	2462.00	2494.480	-55.844	-15.806	Pass
NVNT	ANT2	802.11b	2462.00	2488.432	-55.735	-15.806	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-42.430	-17.810	Pass
NVNT	ANT2	802.11g	2412.00	2398.256	-42.719	-17.810	Pass
NVNT	ANT1	802.11g	2462.00	2486.992	-50.438	-18.246	Pass
NVNT	ANT2	802.11g	2462.00	2499.520	-51.416	-18.246	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-43.079	-17.769	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	2397.024	-41.002	-17.769	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.448	-49.481	-18.421	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	2483.536	-49.584	-18.421	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-36.803	-18.962	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	2399.496	-35.627	-18.962	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-40.982	-18.583	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2484.496	-34.828	-18.583	Pass

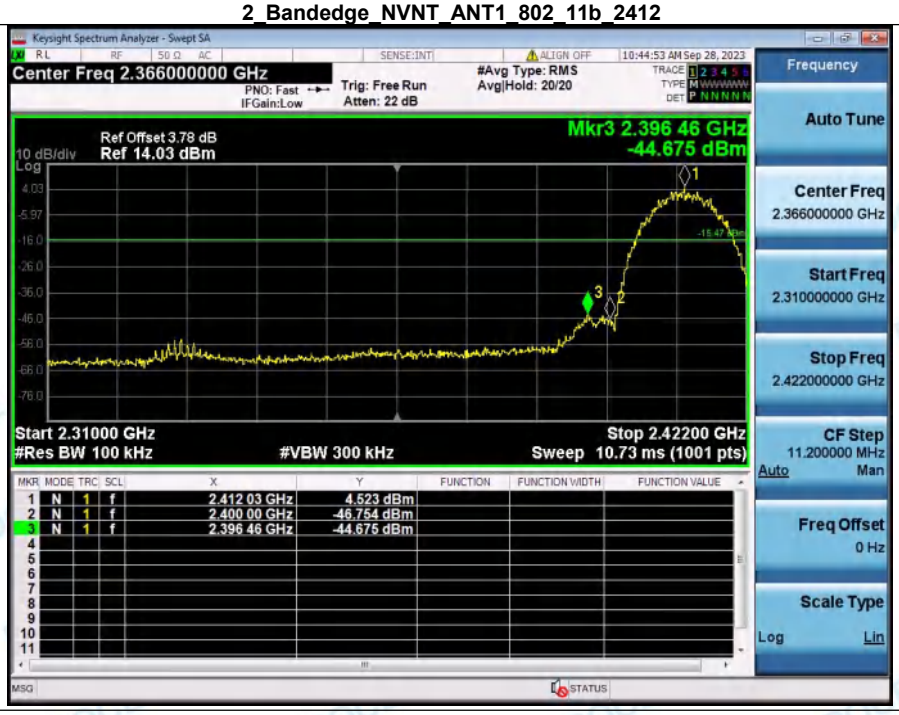
1_Reference_Level_NVNT_ANT1_802_11b_2412



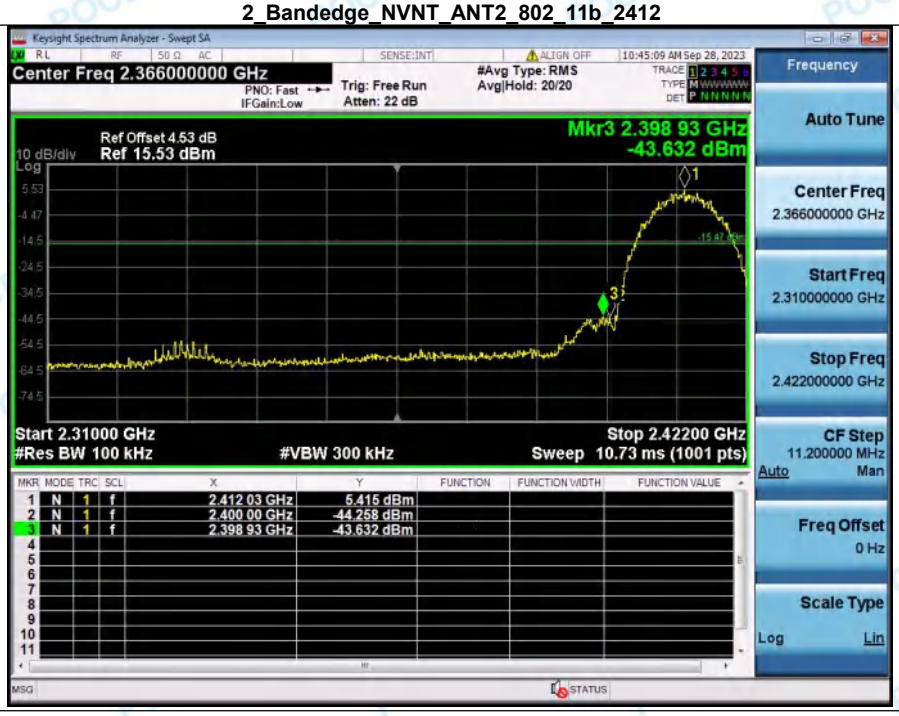
1_Reference_Level_NVNT_ANT2_802_11b_2412



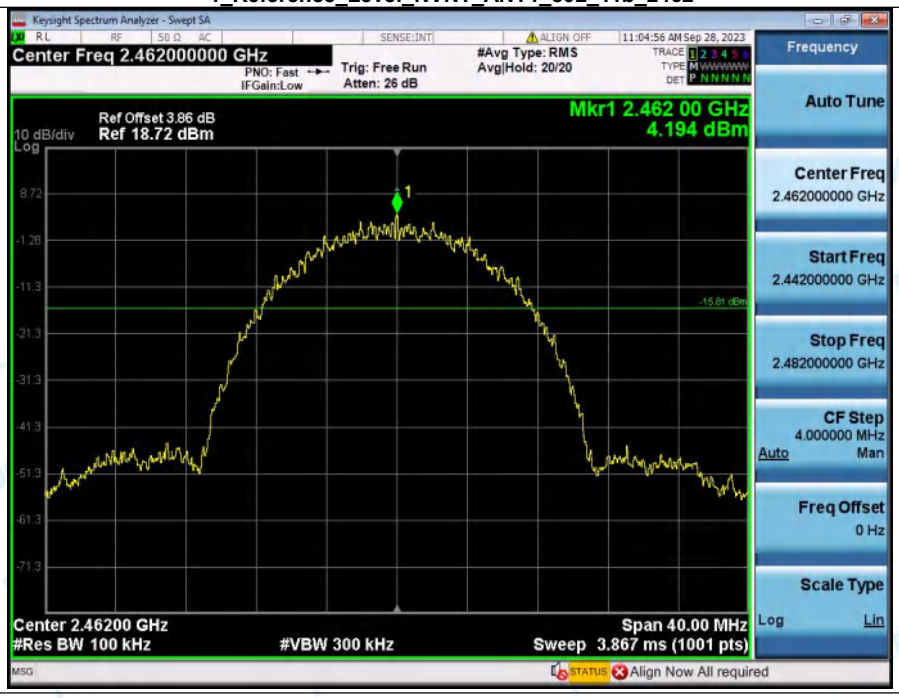
2_Bandedge_NVNT_ANT1_802_11b_2412



2_Bandedge_NVNT_ANT2_802_11b_2412



1_Reference_Level_NVNT_ANT1_802_11b_2462

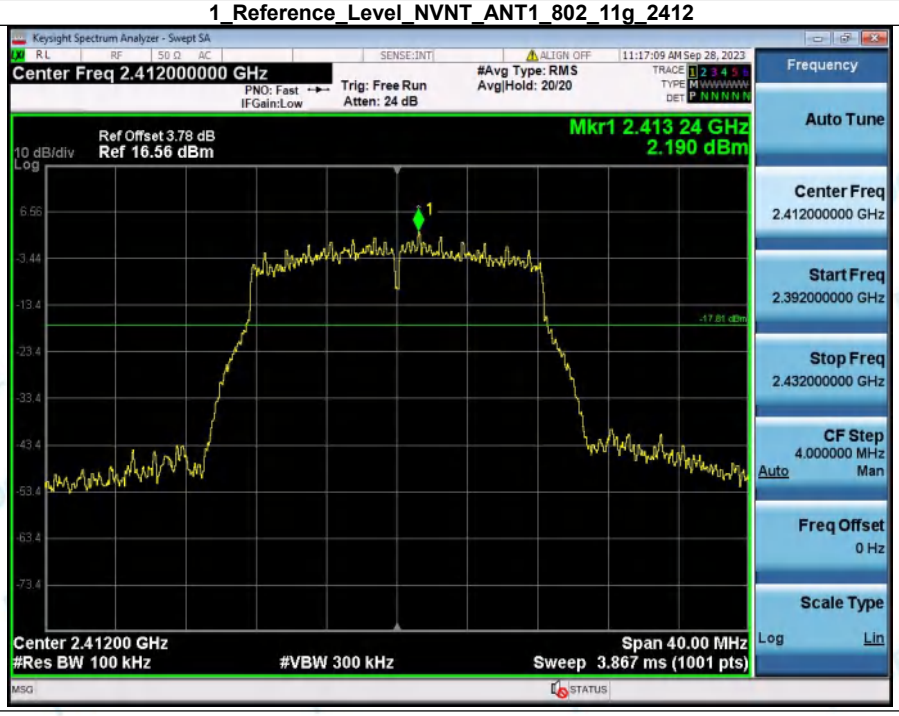


1_Reference_Level_NVNT_ANT2_802_11b_2462

2_Bandedge_NVNT_ANT1_802_11b_2462

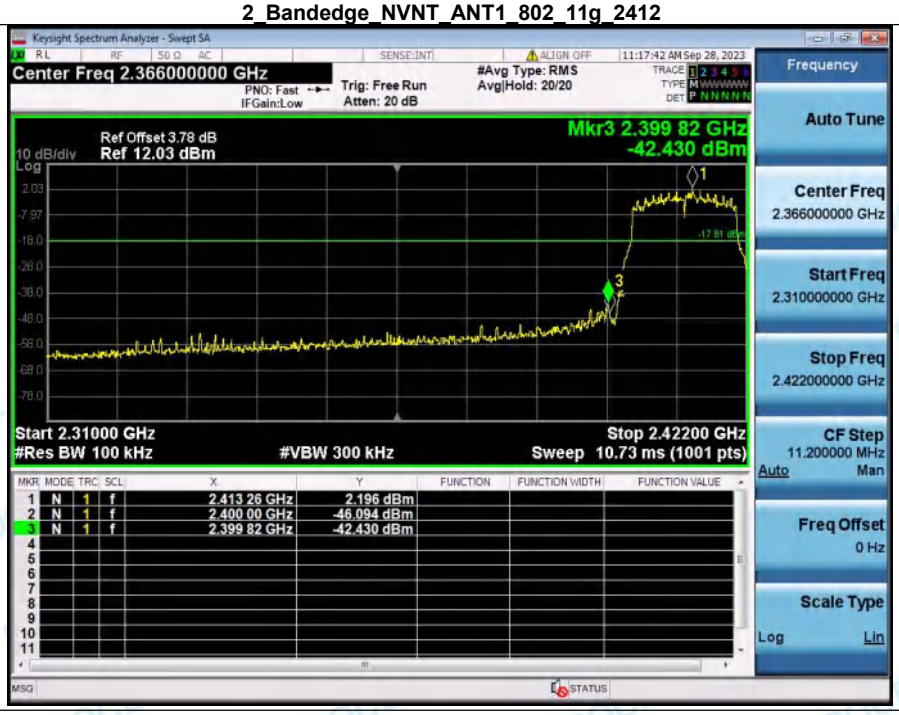
2_Bandedge_NVNT_ANT2_802_11b_2462

1_Reference_Level_NVNT_ANT1_802_11g_2412

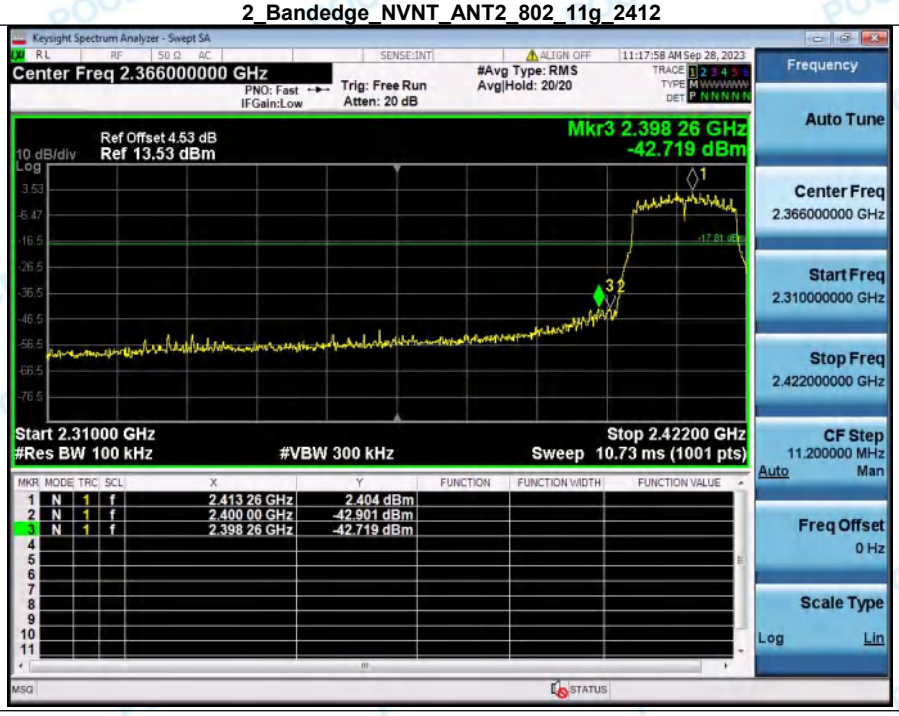


1_Reference_Level_NVNT_ANT2_802_11g_2412

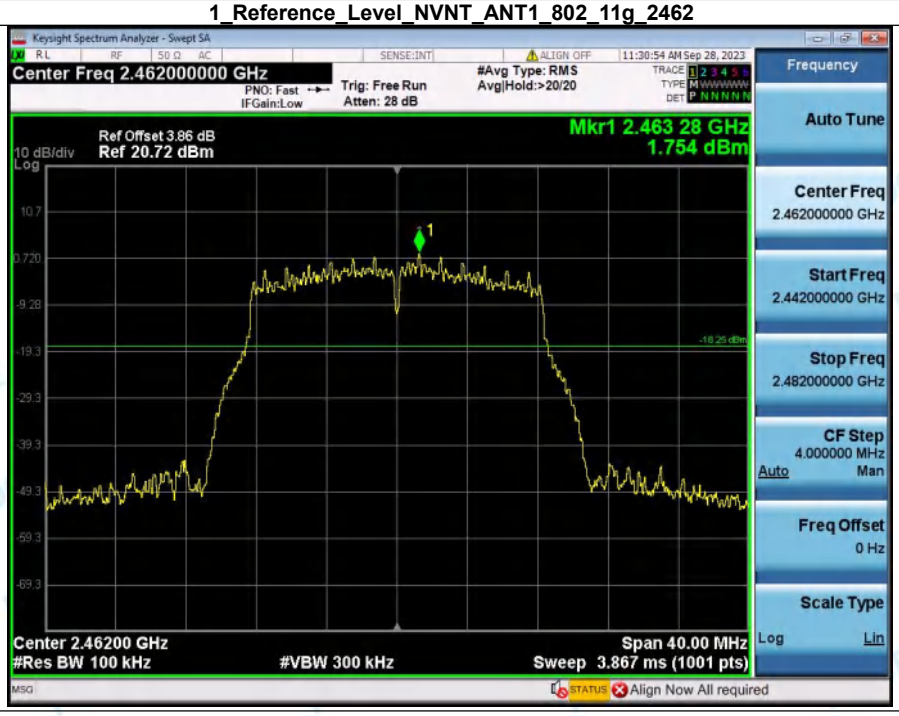
2_Bandedge_NVNT_ANT1_802_11g_2412



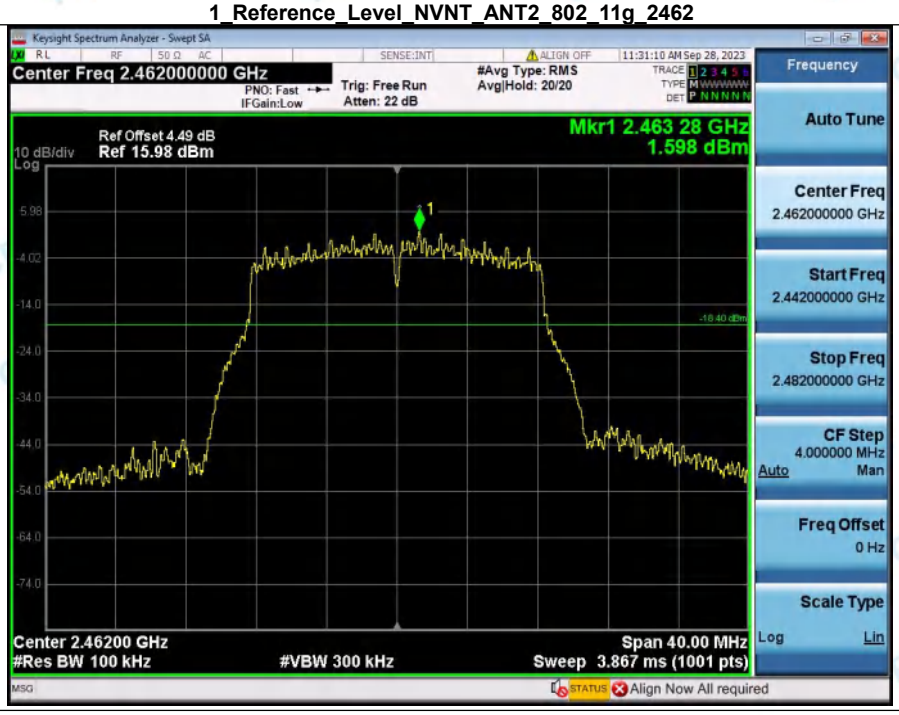
2_Bandedge_NVNT_ANT2_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2462



1_Reference_Level_NVNT_ANT2_802_11g_2462



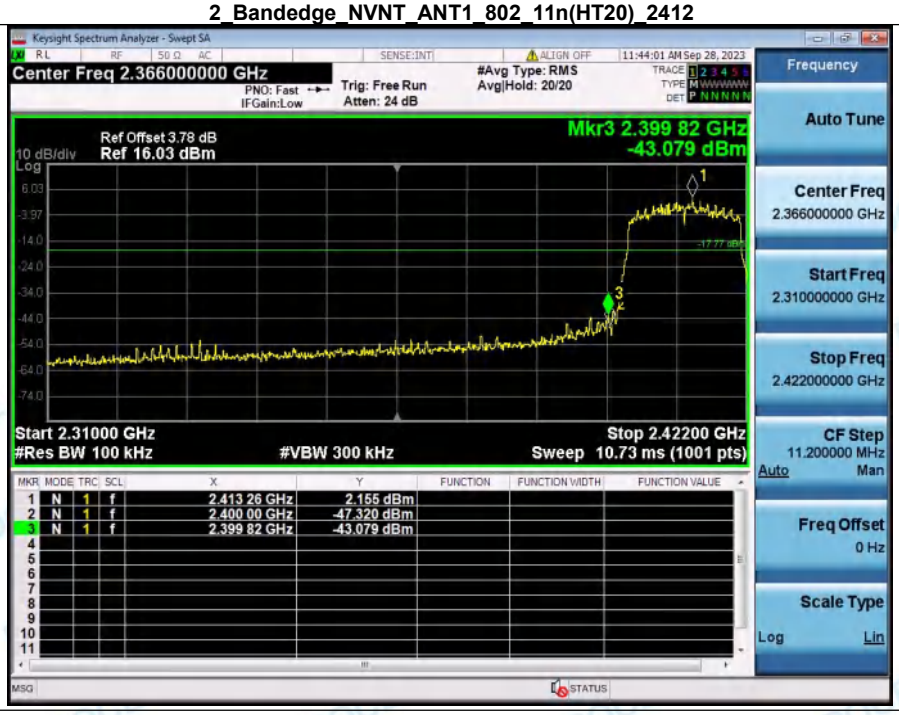
2_Bandedge_NVNT_ANT1_802_11g_2462

2_Bandedge_NVNT_ANT2_802_11g_2462

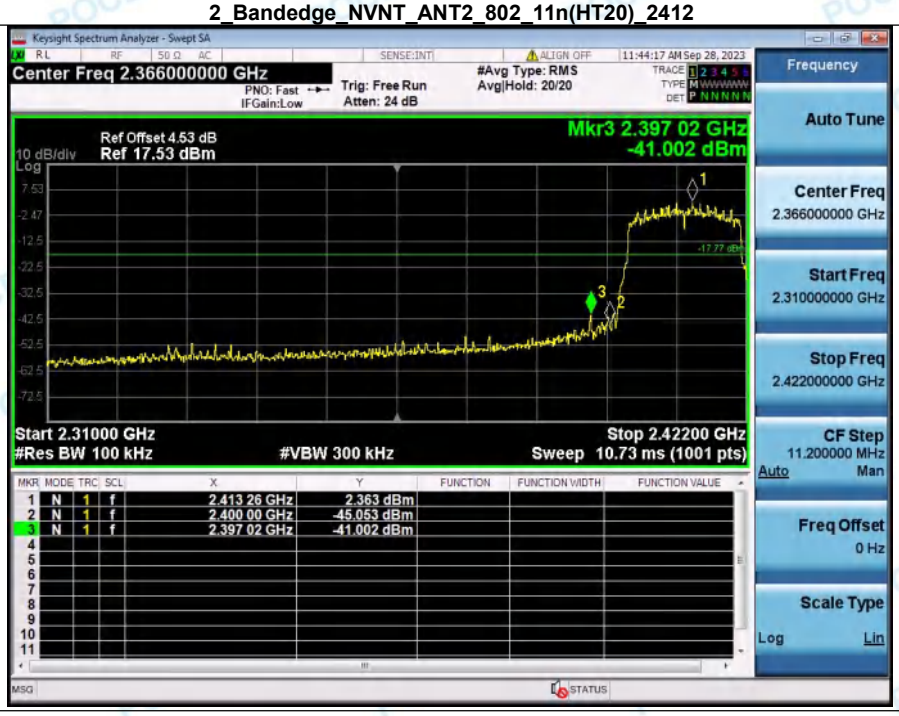
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2412

2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT2_802_11n(HT20)_2412

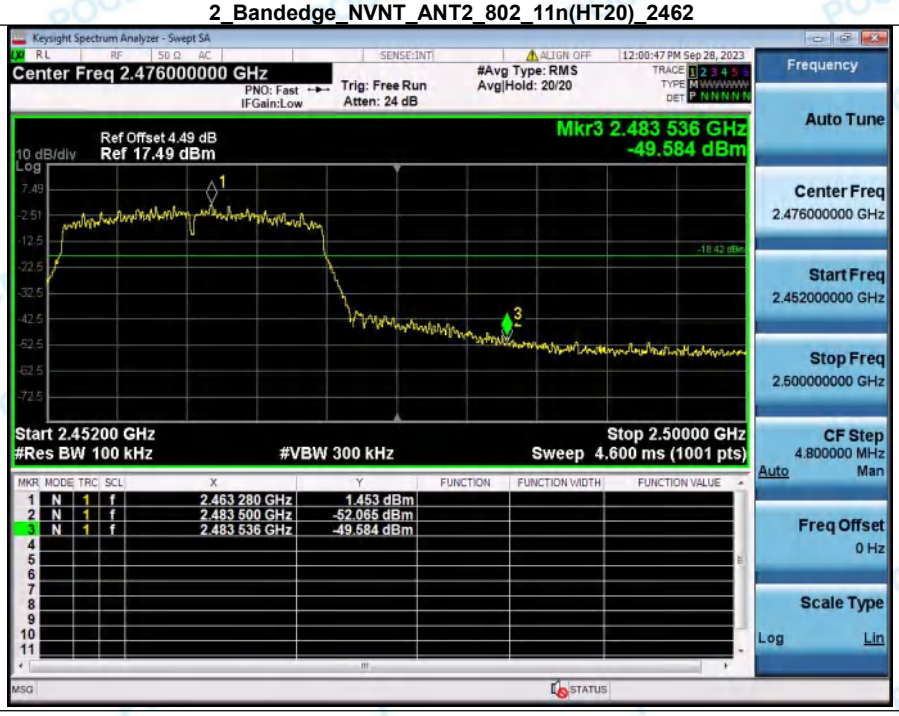


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2462

2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462

2_Bandedge_NVNT_ANT2_802_11n(HT20)_2462

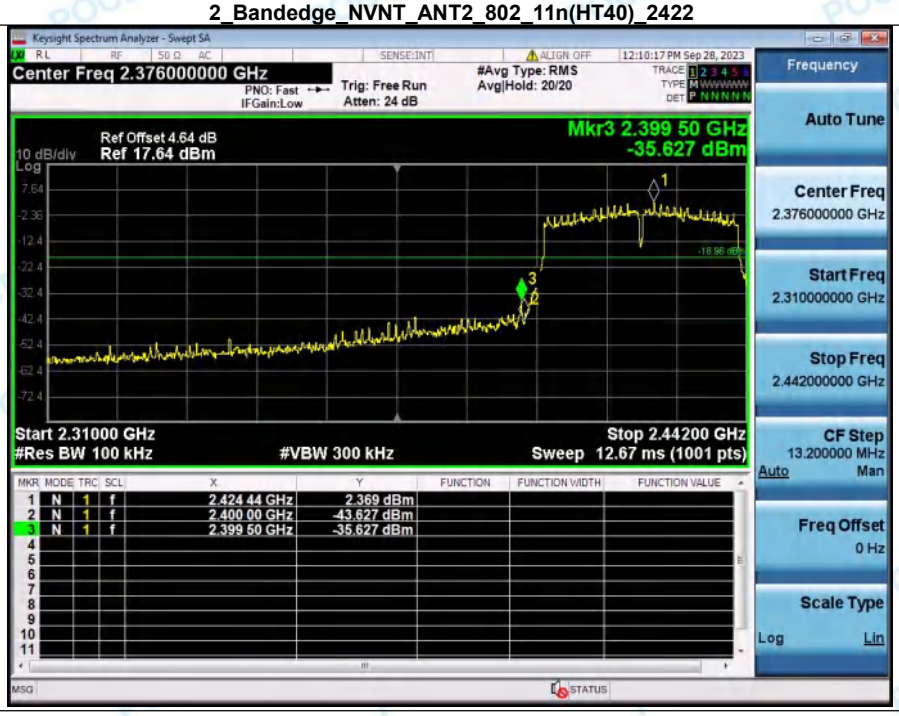


1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2422

2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422

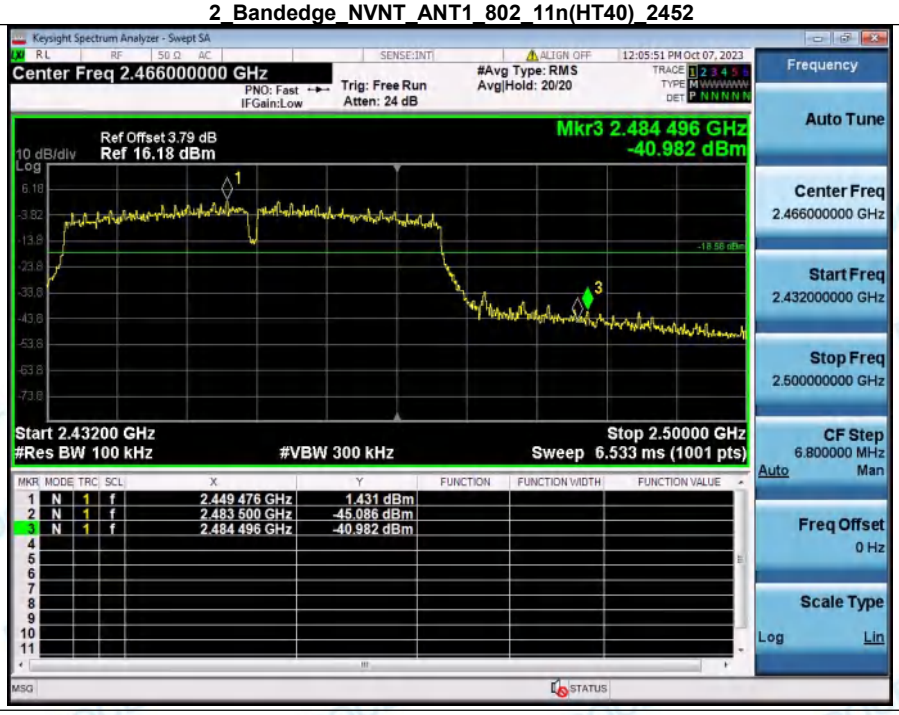
2_Bandedge_NVNT_ANT2_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2452

2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452

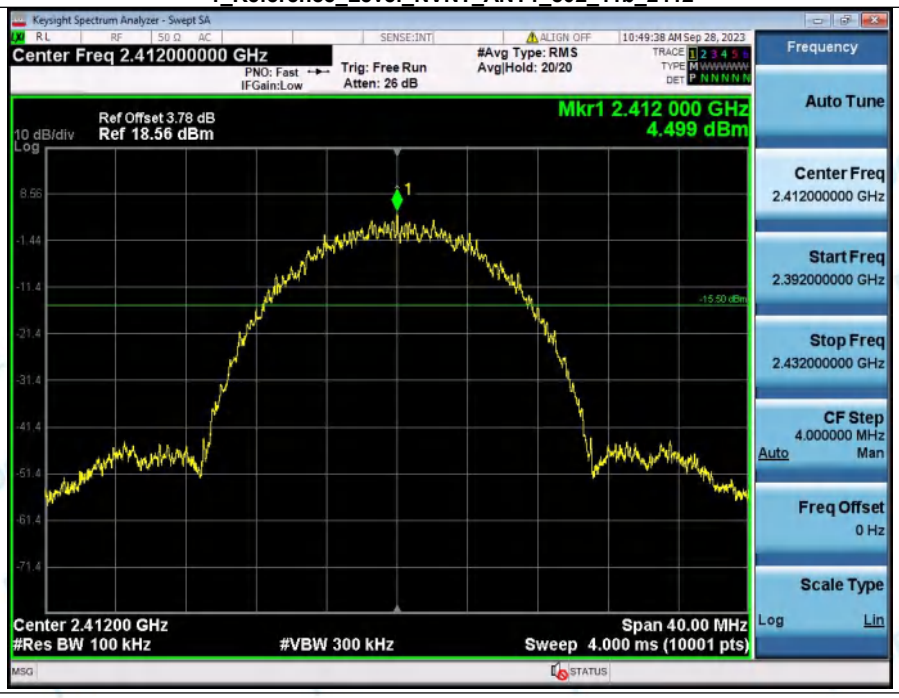


2_Bandedge_NVNT_ANT2_802_11n(HT40)_2452

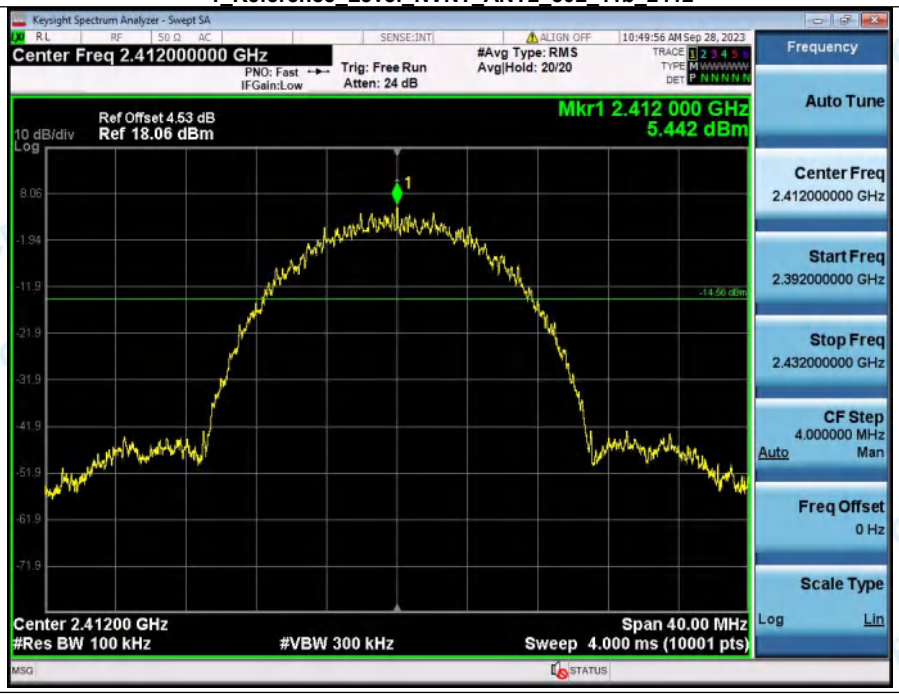
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24565.522	-49.352	-15.501	Pass
NVNT	ANT2	802.11b	2412.00	24538.055	-48.716	-15.501	Pass
NVNT	ANT1	802.11b	2437.00	24972.533	-48.744	-15.582	Pass
NVNT	ANT2	802.11b	2437.00	23986.218	-48.247	-15.582	Pass
NVNT	ANT1	802.11b	2462.00	24535.558	-47.430	-15.806	Pass
NVNT	ANT2	802.11b	2462.00	24917.599	-48.060	-15.806	Pass
NVNT	ANT1	802.11g	2412.00	24982.521	-51.330	-17.810	Pass
NVNT	ANT2	802.11g	2412.00	24877.647	-49.505	-17.810	Pass
NVNT	ANT1	802.11g	2437.00	24545.546	-51.233	-17.801	Pass
NVNT	ANT2	802.11g	2437.00	2514.515	-49.373	-17.801	Pass
NVNT	ANT1	802.11g	2462.00	24922.593	-46.585	-18.246	Pass
NVNT	ANT2	802.11g	2462.00	24615.462	-46.472	-18.246	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24530.564	-47.398	-17.769	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	24600.480	-45.646	-17.769	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24538.055	-46.694	-17.983	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	24523.073	-46.697	-17.983	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24006.194	-46.902	-18.421	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	24573.013	-45.898	-18.421	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24528.067	-46.388	-18.962	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	24895.126	-45.700	-18.962	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24538.055	-47.509	-18.972	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	24962.545	-46.440	-18.972	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24036.158	-47.436	-18.583	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2502.030	-45.430	-18.583	Pass

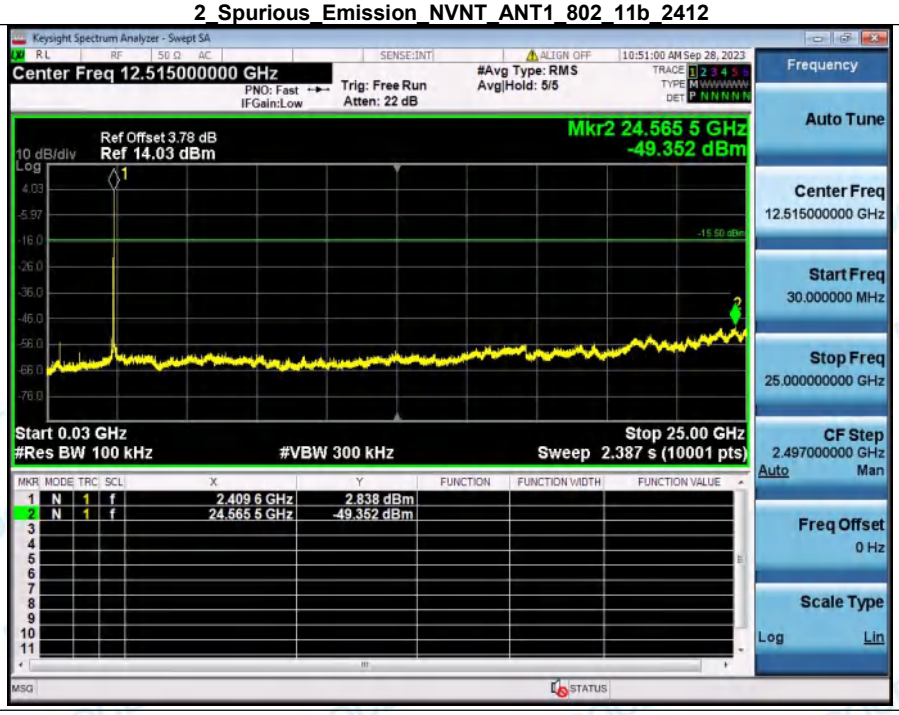
1_Reference_Level_NVNT_ANT1_802_11b_2412



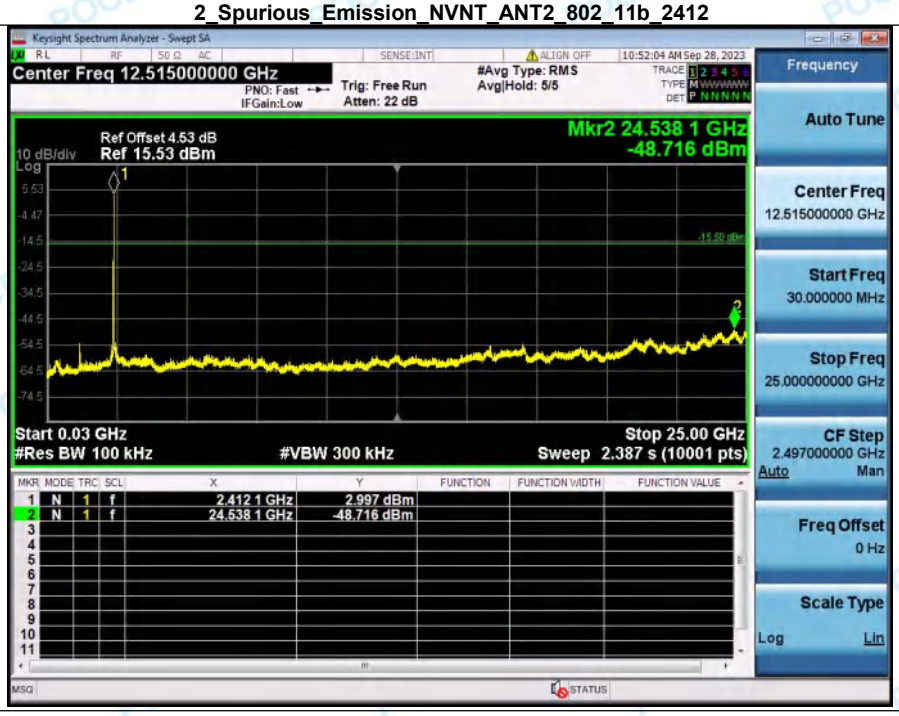
1_Reference_Level_NVNT_ANT2_802_11b_2412



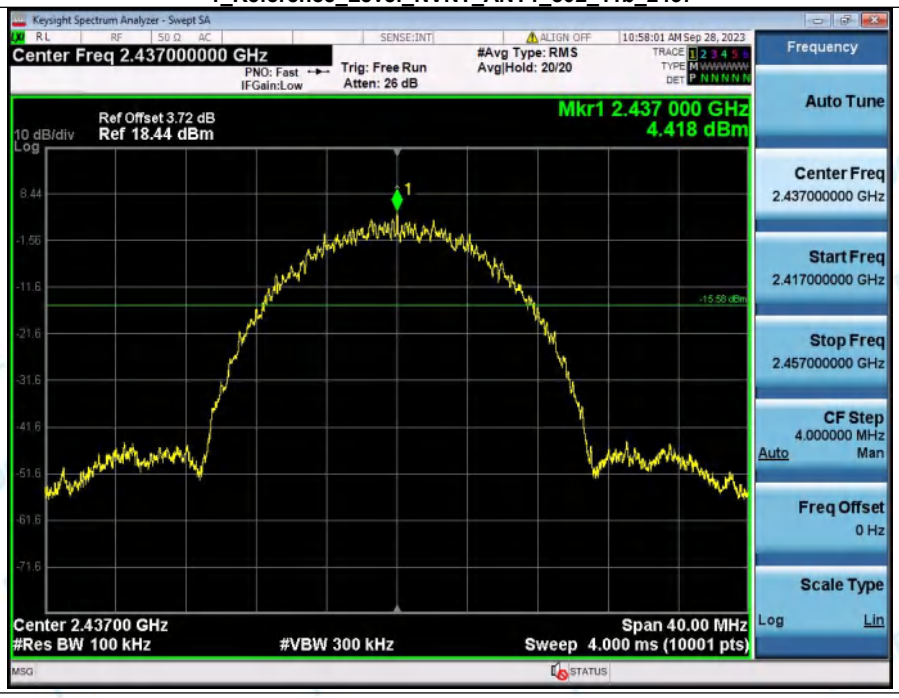
2_Spurious_Emission_NVNT_ANT1_802_11b_2412



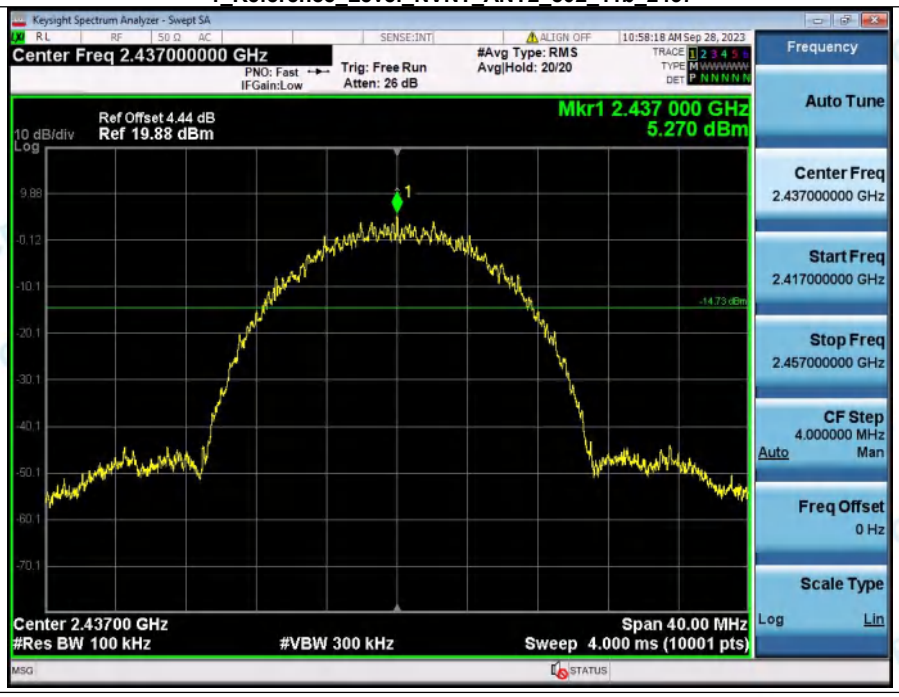
2_Spurious_Emission_NVNT_ANT2_802_11b_2412



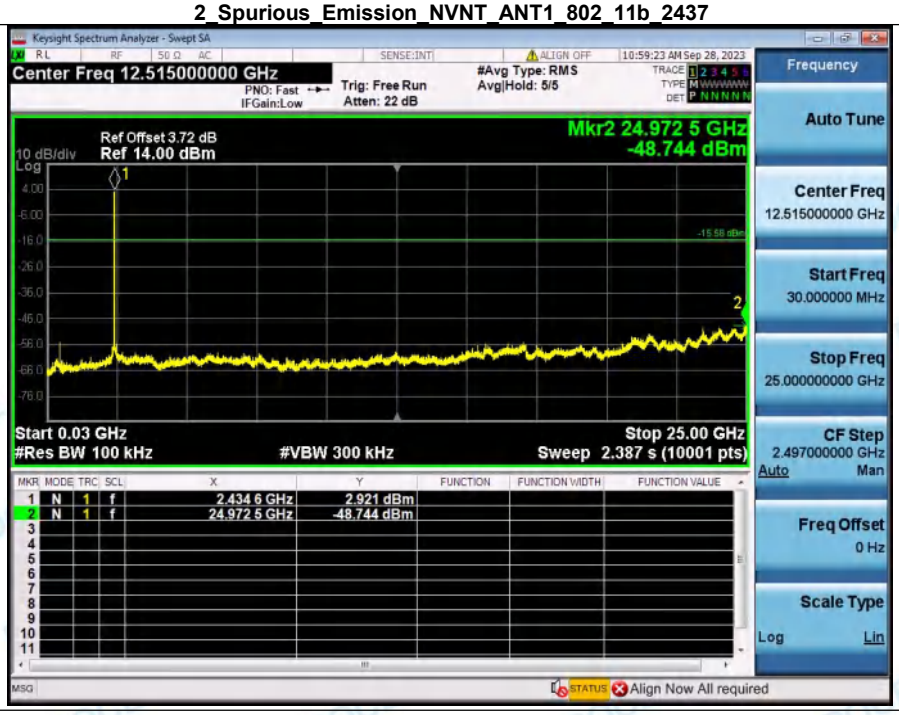
1_Reference_Level_NVNT_ANT1_802_11b_2437



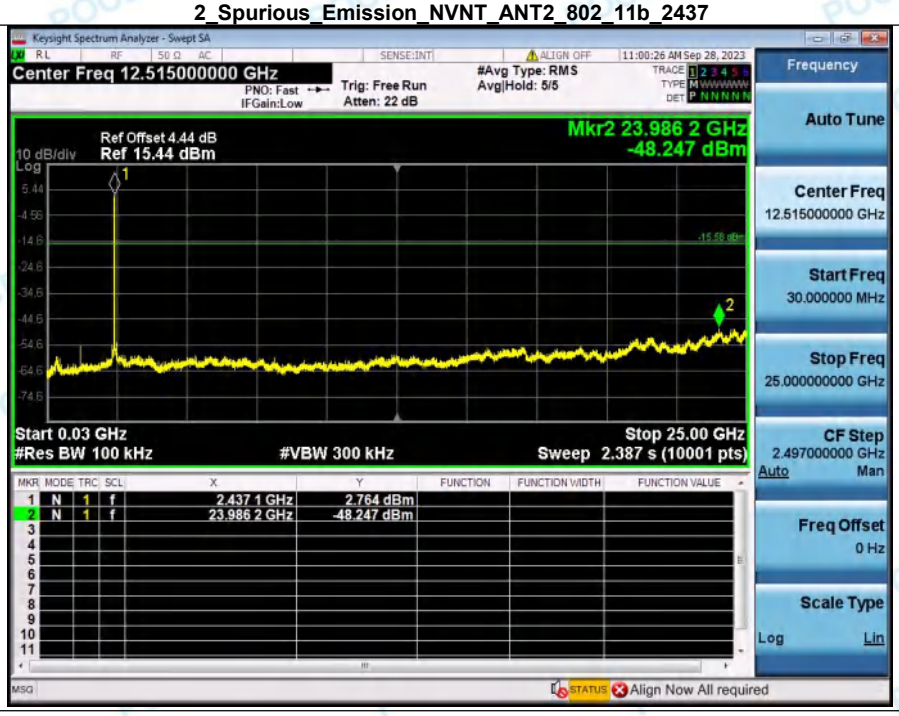
1_Reference_Level_NVNT_ANT2_802_11b_2437



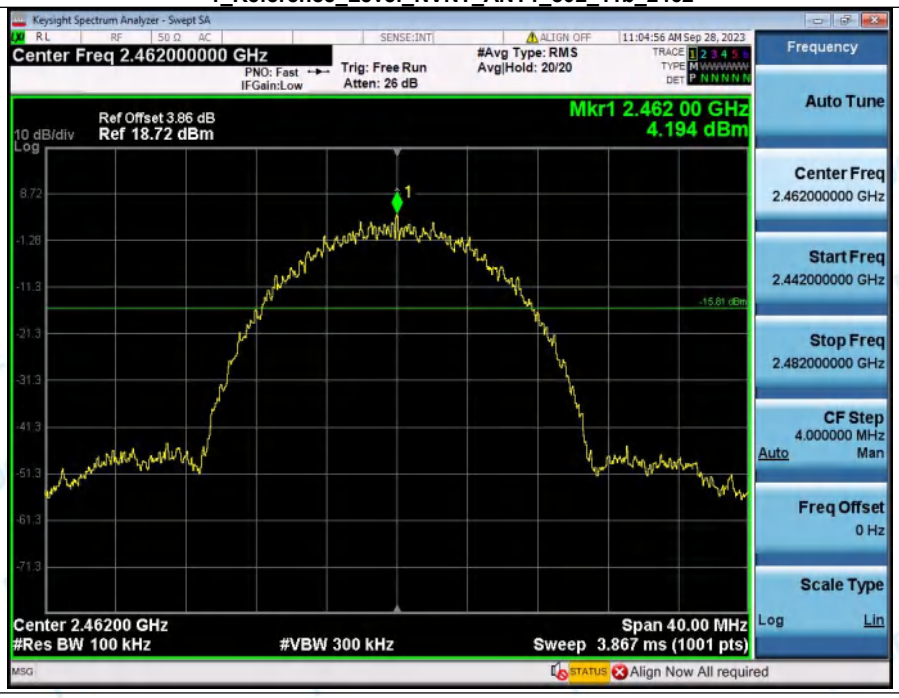
2_Spurious_Emission_NVNT_ANT1_802_11b_2437



2_Spurious_Emission_NVNT_ANT2_802_11b_2437

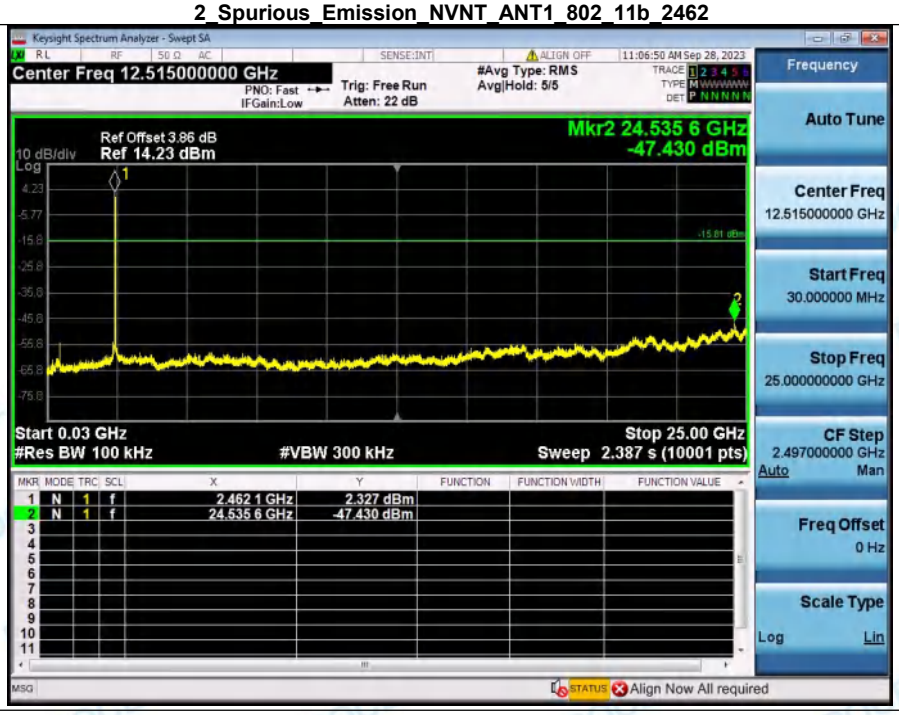


1_Reference_Level_NVNT_ANT1_802_11b_2462

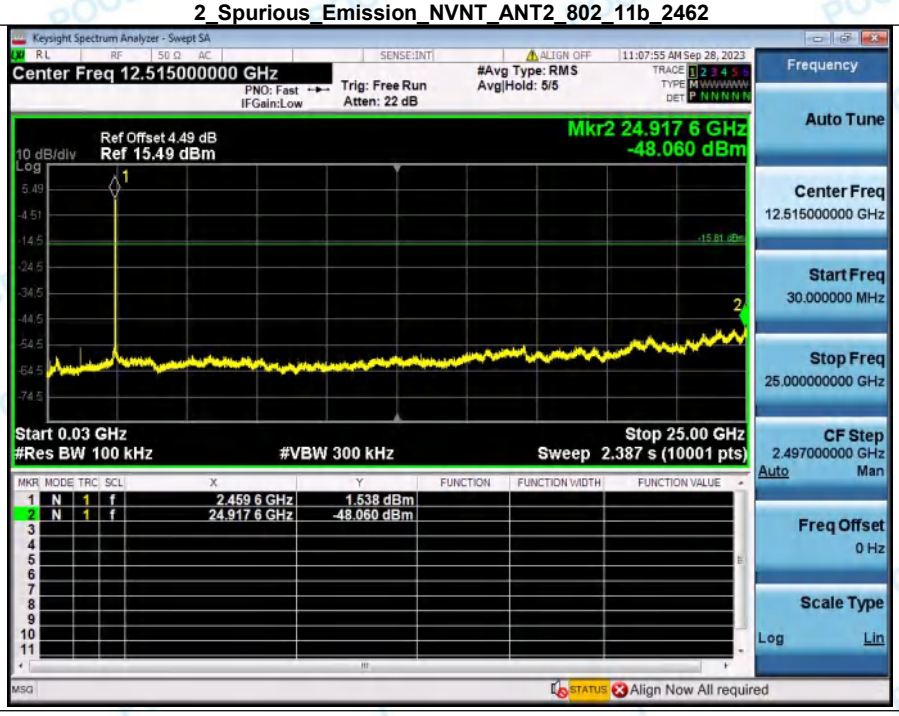


1_Reference_Level_NVNT_ANT2_802_11b_2462

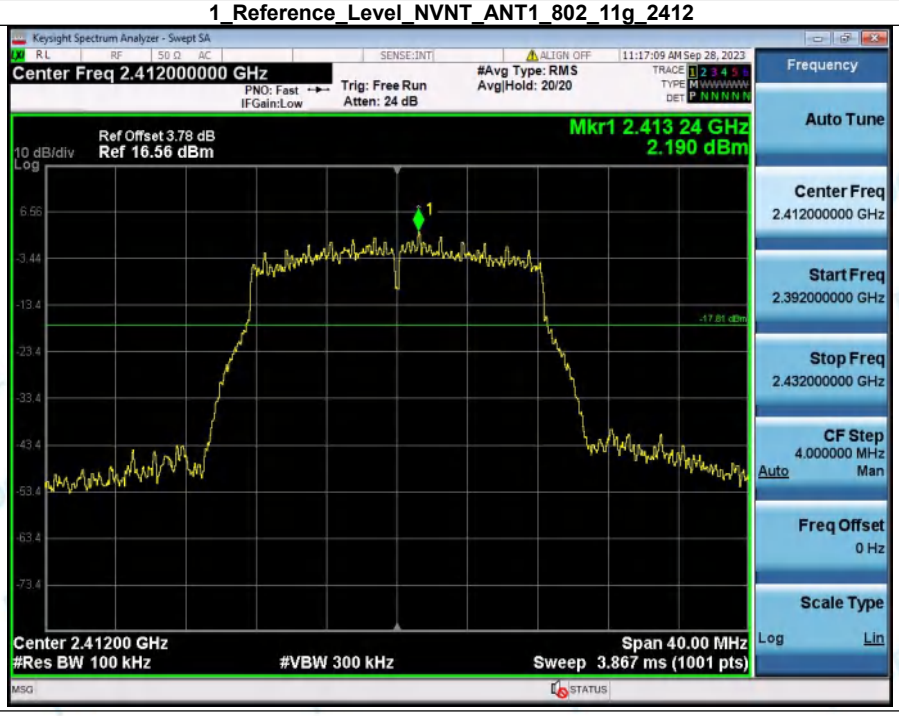
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



2_Spurious_Emission_NVNT_ANT2_802_11b_2462

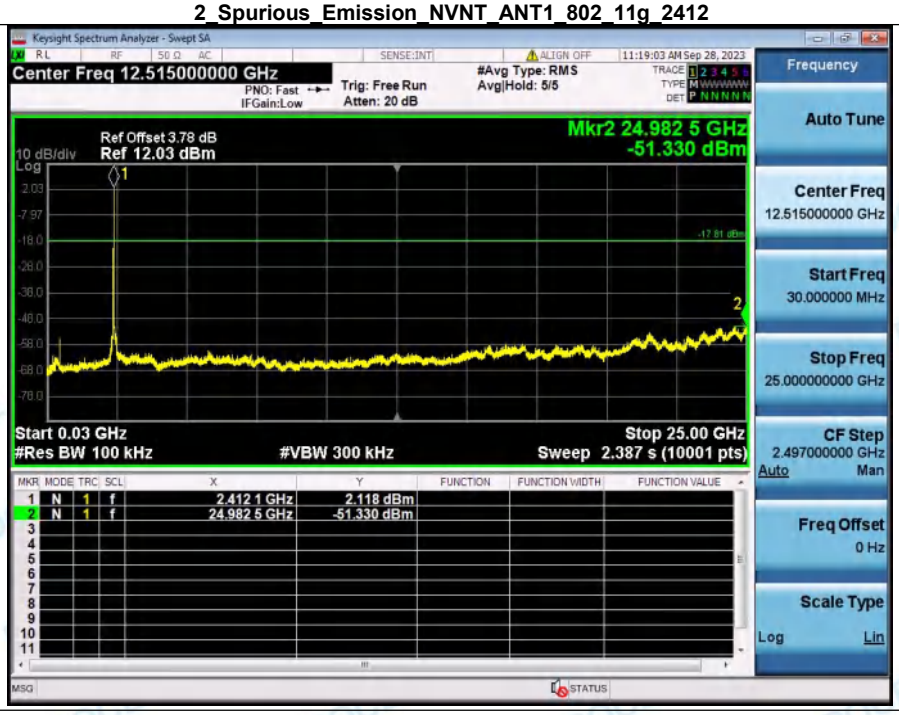


1_Reference_Level_NVNT_ANT1_802_11g_2412

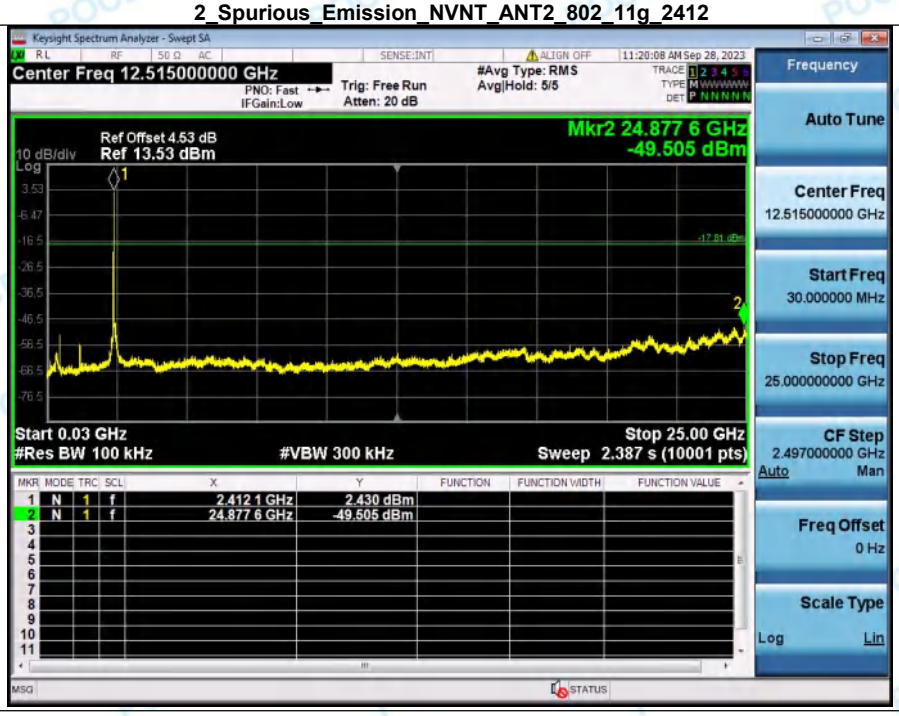


1_Reference_Level_NVNT_ANT2_802_11g_2412

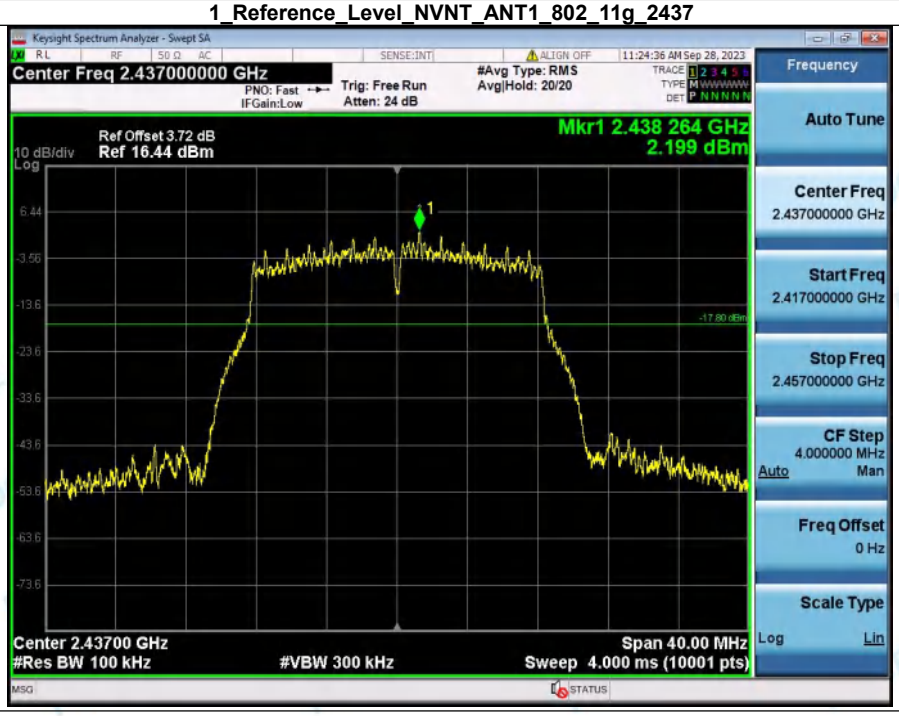
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



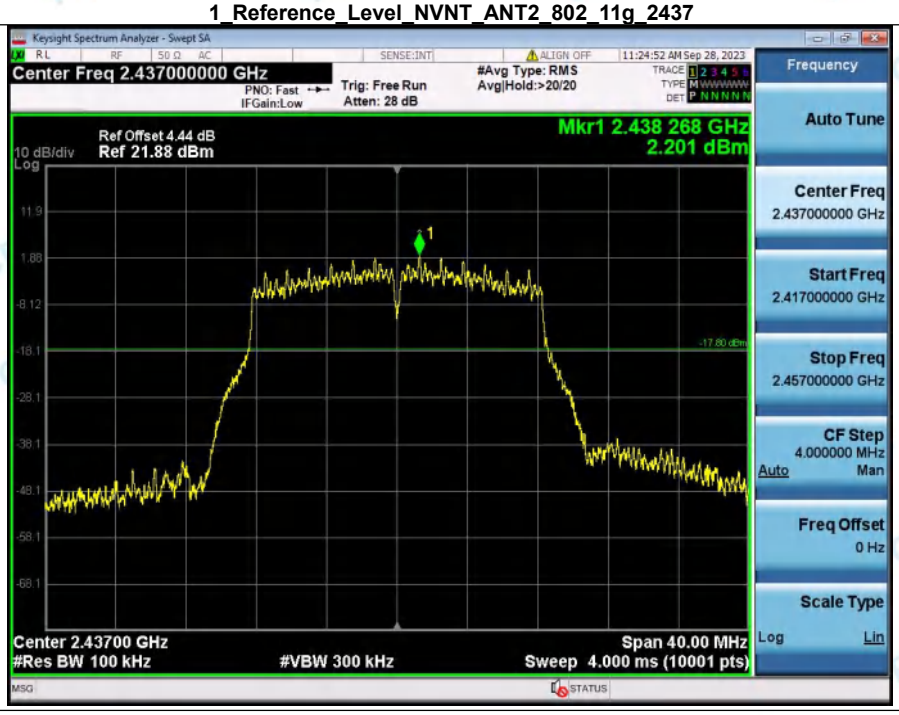
2_Spurious_Emission_NVNT_ANT2_802_11g_2412



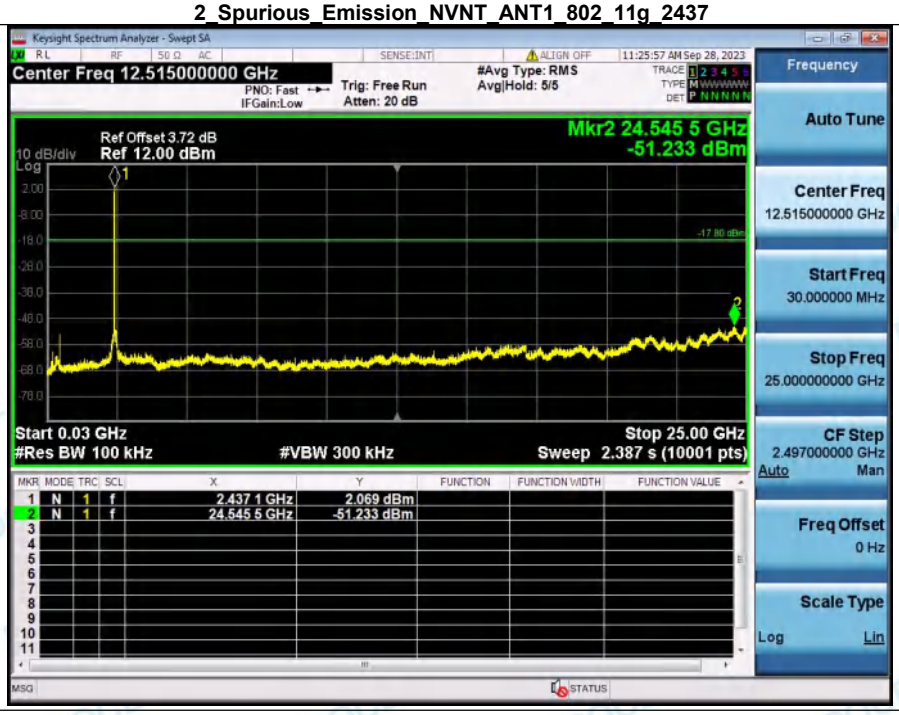
1_Reference_Level_NVNT_ANT1_802_11g_2437



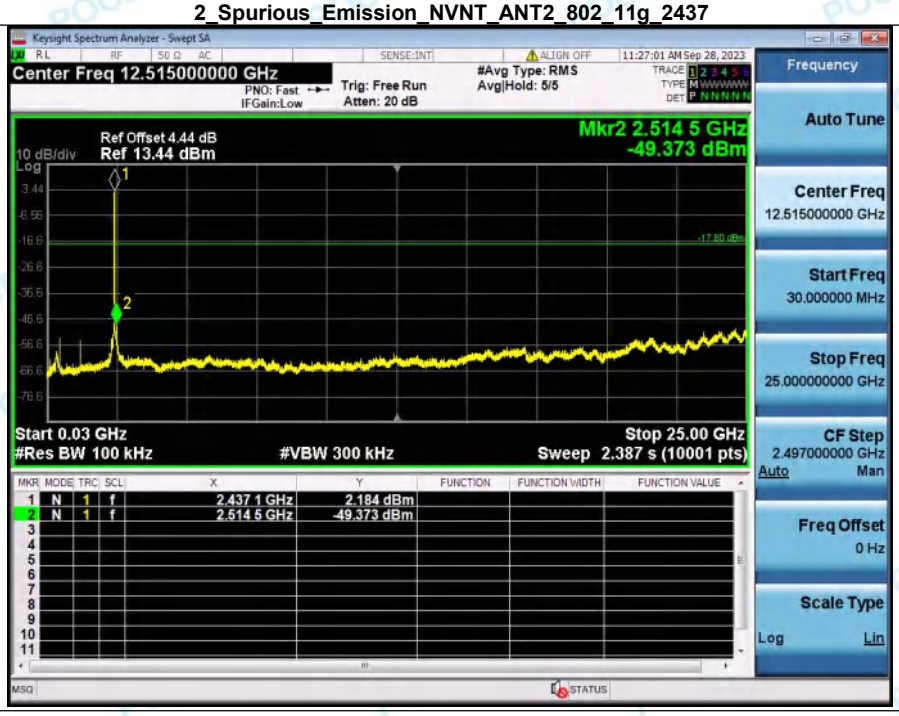
1_Reference_Level_NVNT_ANT2_802_11g_2437



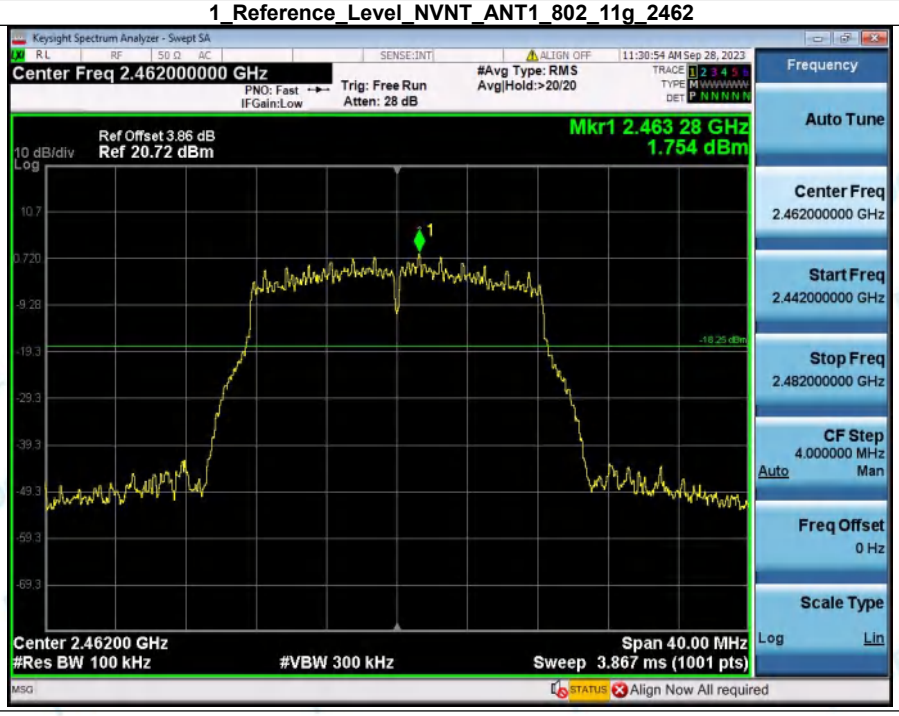
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



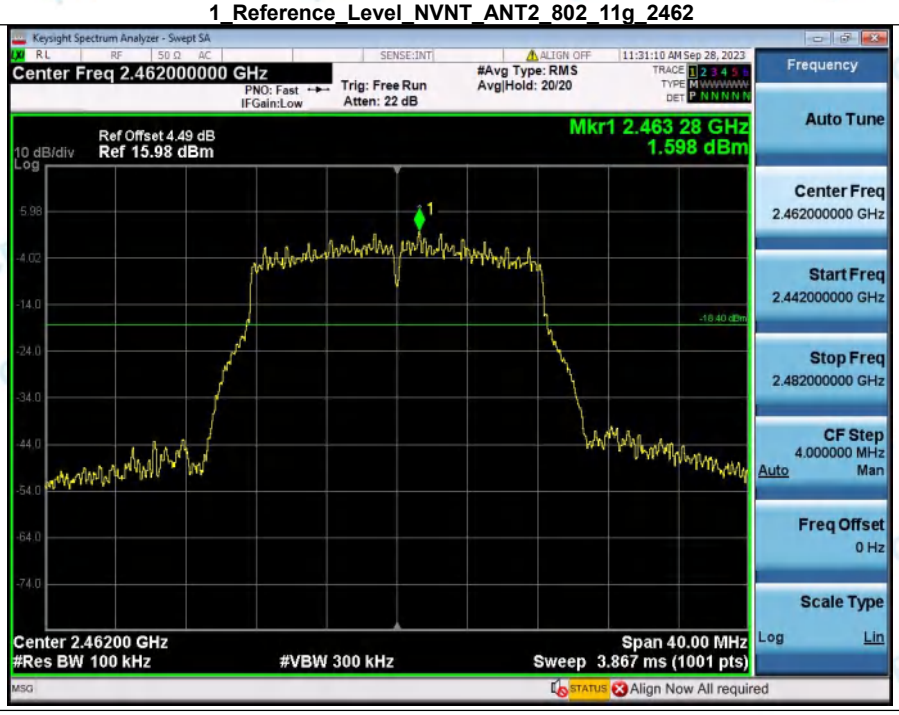
2_Spurious_Emission_NVNT_ANT2_802_11g_2437



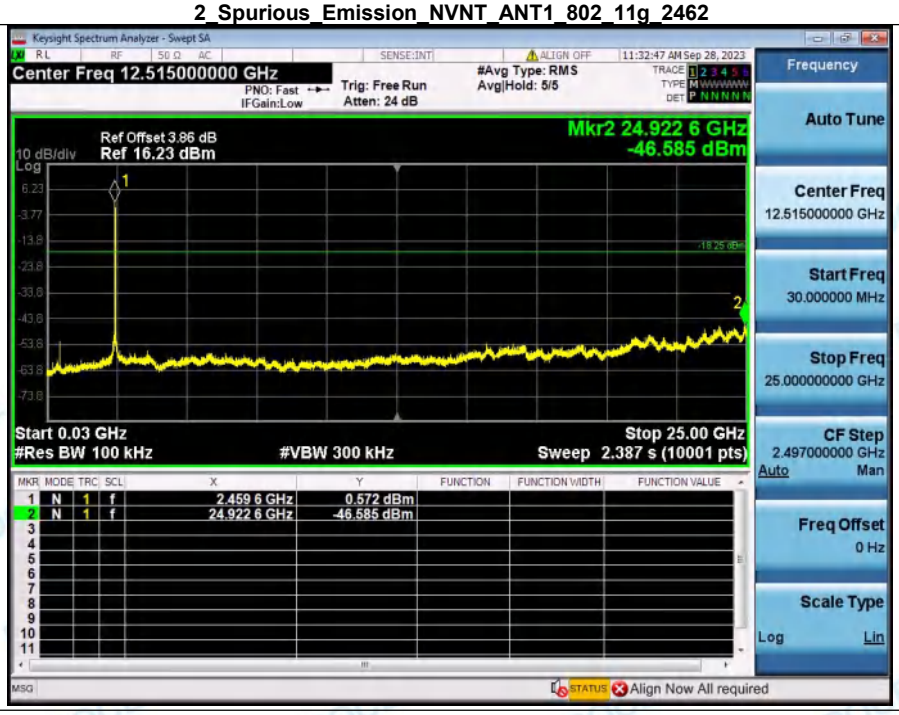
1_Reference_Level_NVNT_ANT1_802_11g_2462



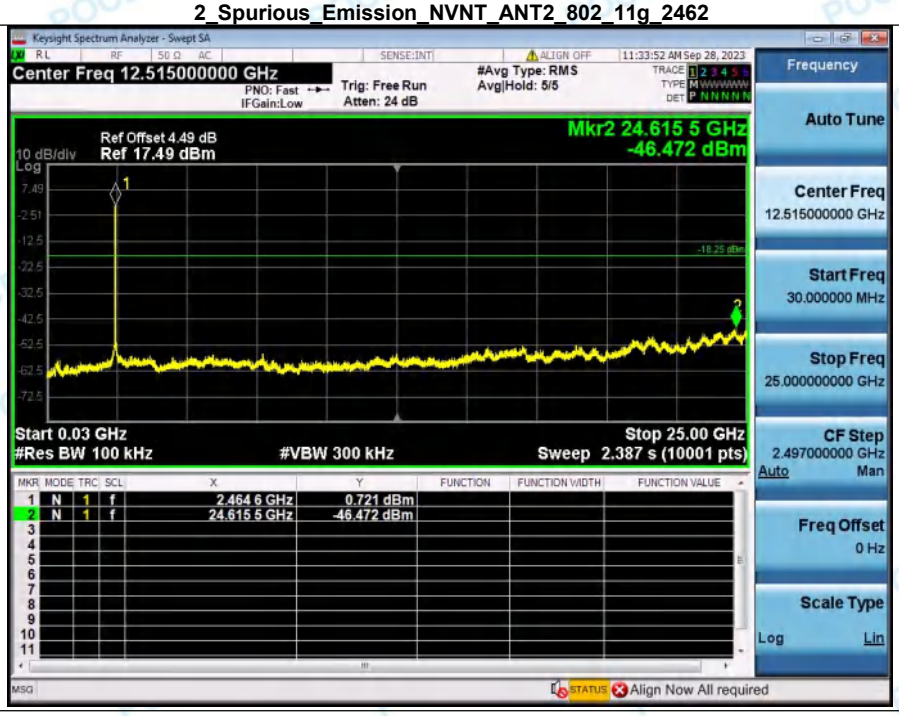
1_Reference_Level_NVNT_ANT2_802_11g_2462



2_Spurious_Emission_NVNT_ANT1_802_11g_2462



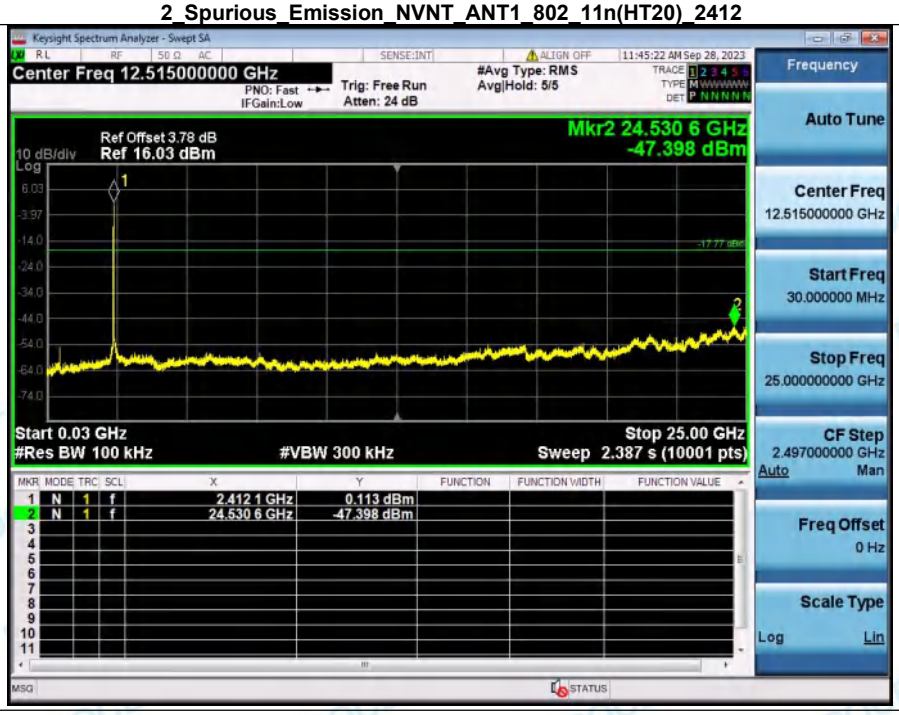
2_Spurious_Emission_NVNT_ANT2_802_11g_2462



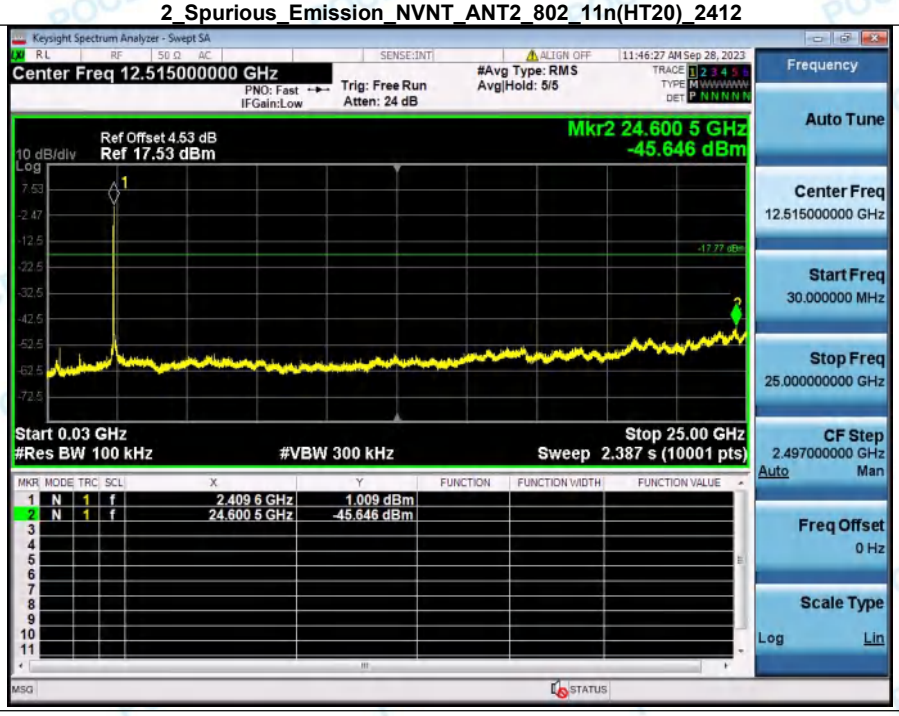
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2412

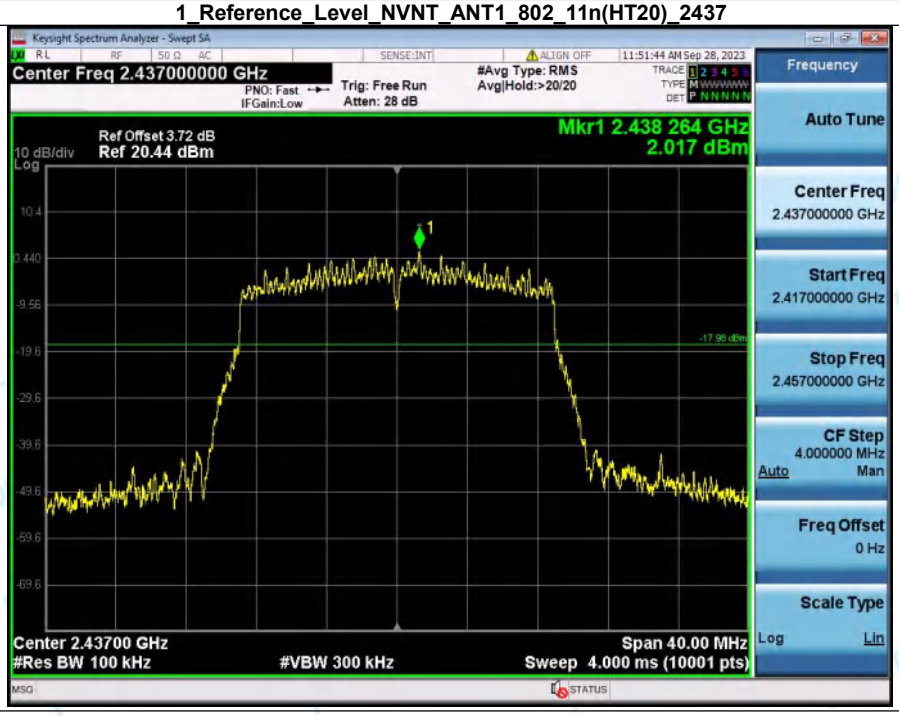
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



2_Spurious_Emission_NVNT_ANT2_802_11n(HT20)_2412

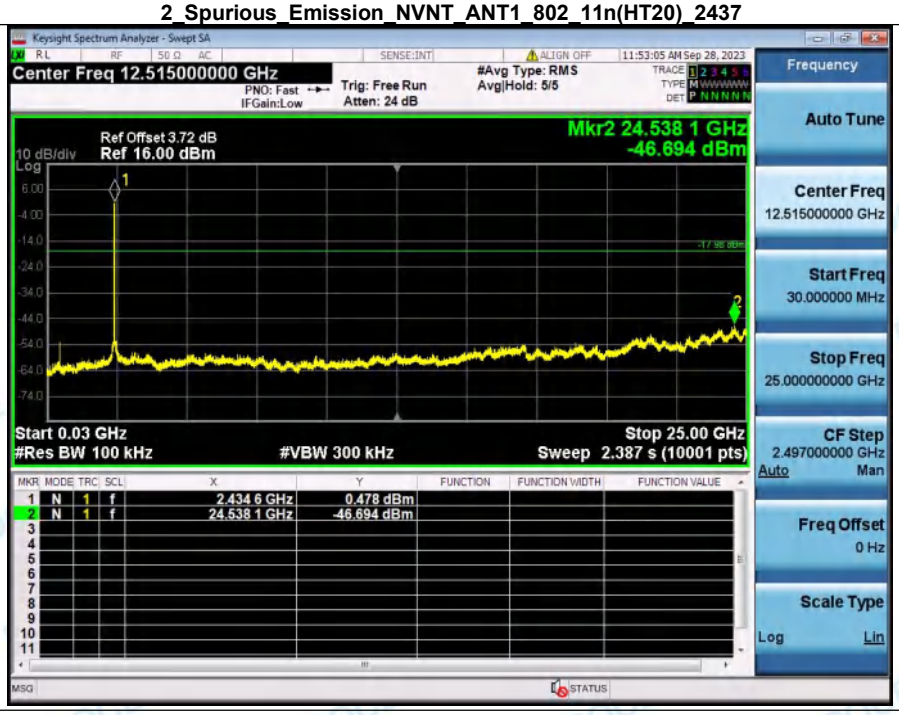


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437

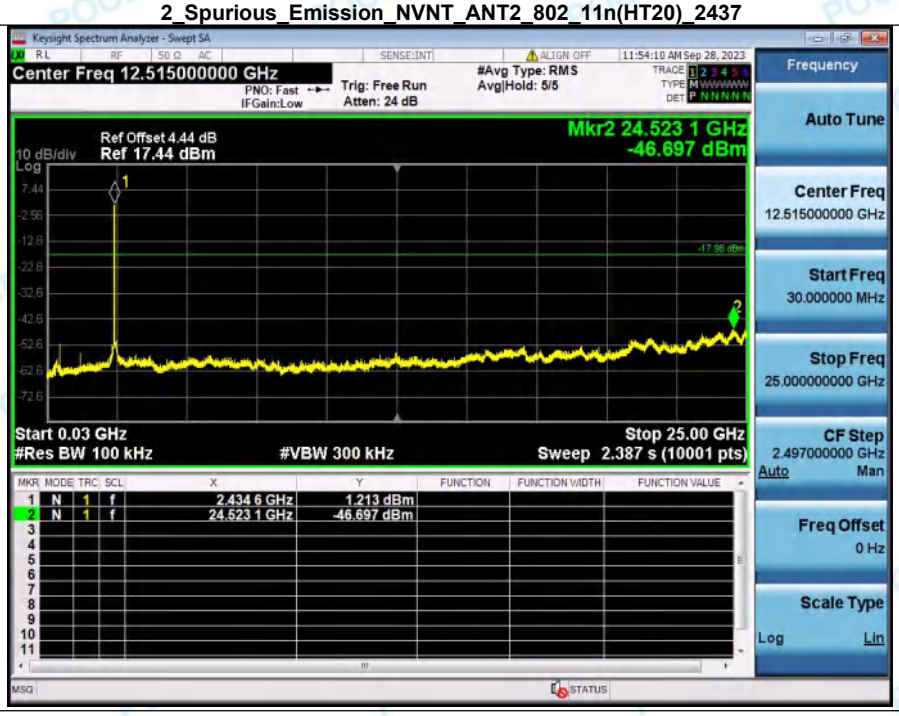


1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2437

2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



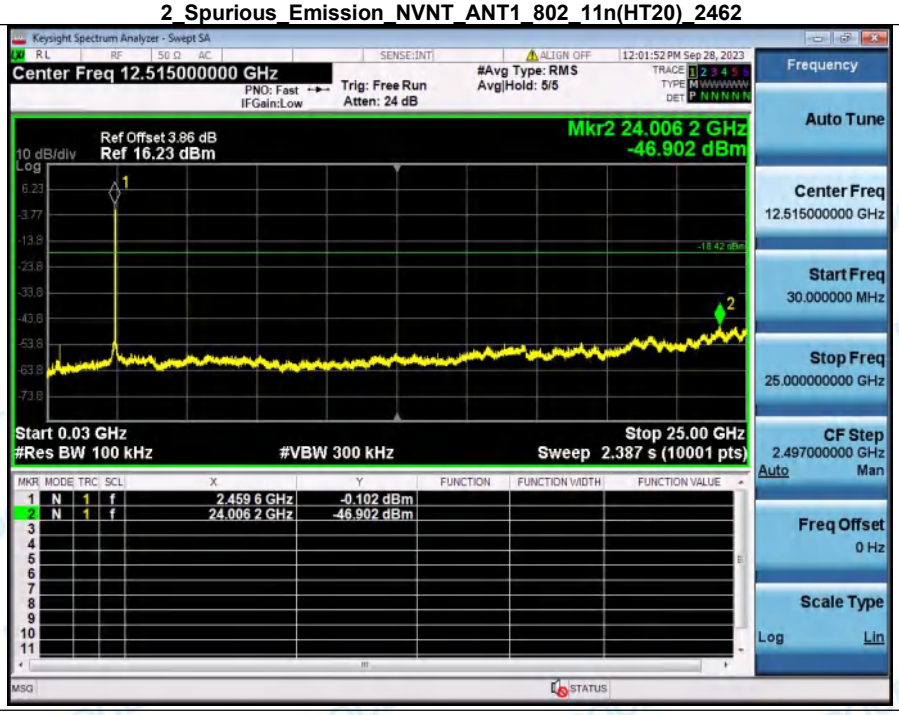
2_Spurious_Emission_NVNT_ANT2_802_11n(HT20)_2437



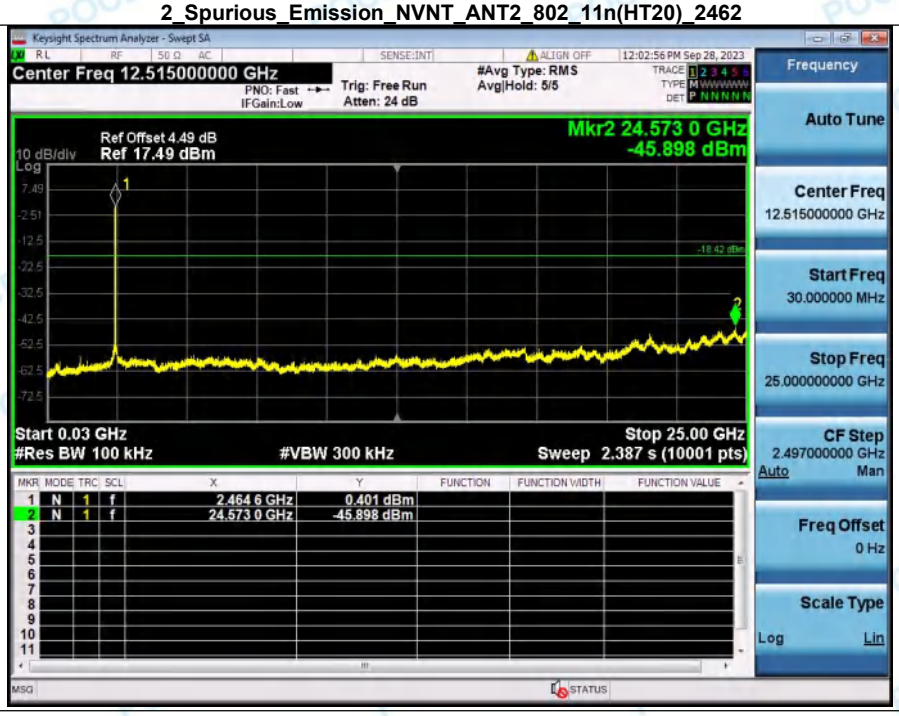
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2462

2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



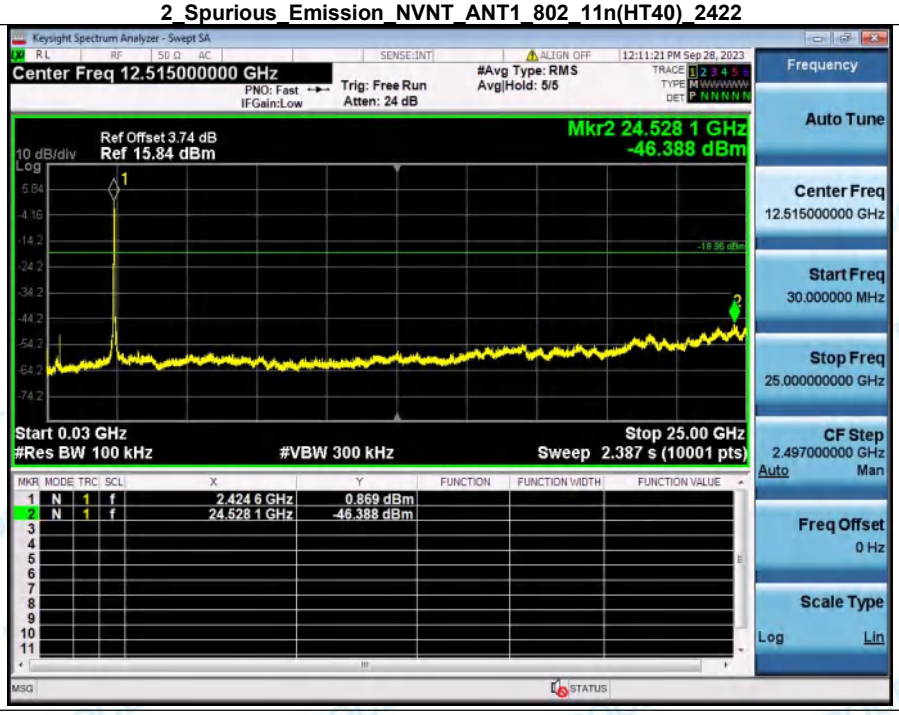
2_Spurious_Emission_NVNT_ANT2_802_11n(HT20)_2462



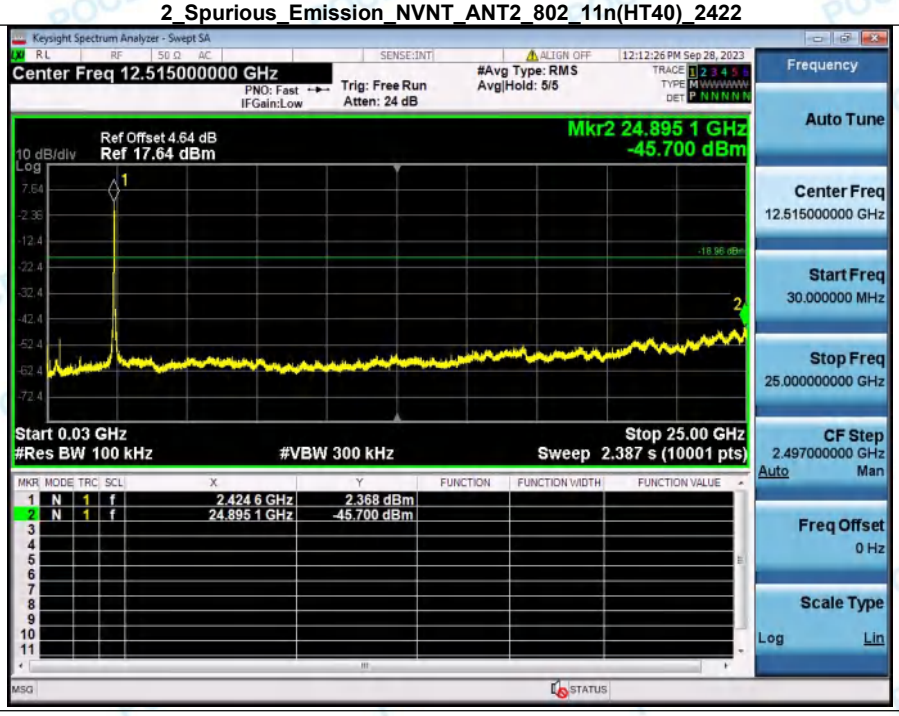
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2422

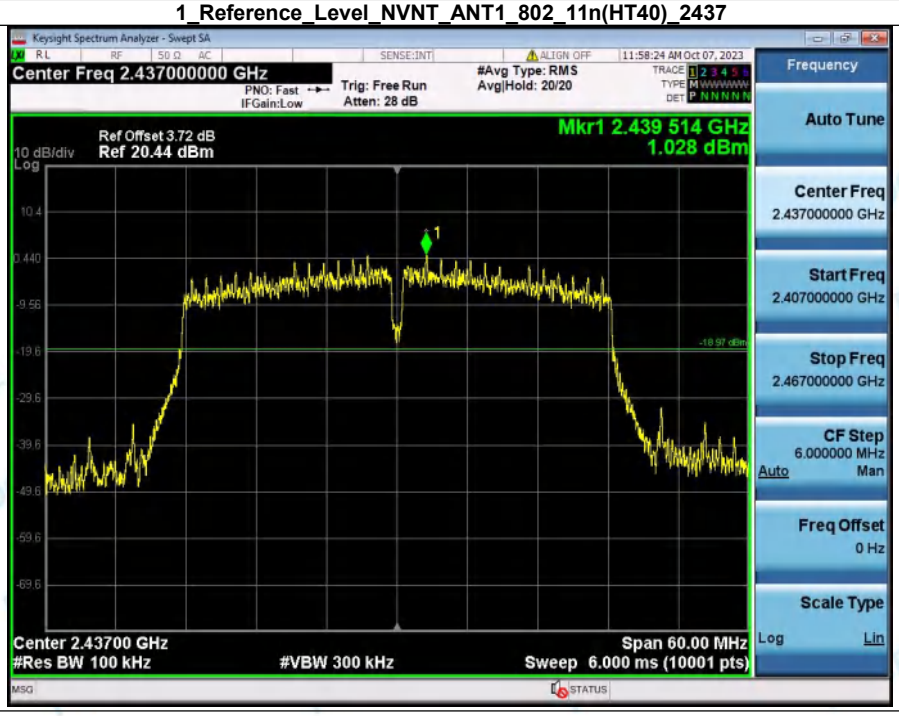
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



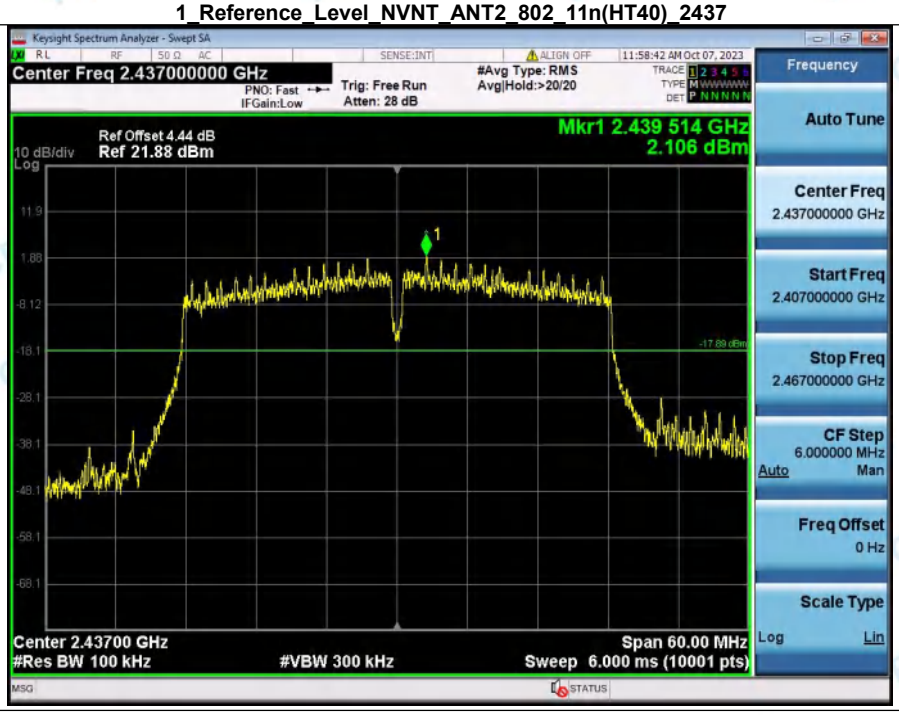
2_Spurious_Emission_NVNT_ANT2_802_11n(HT40)_2422



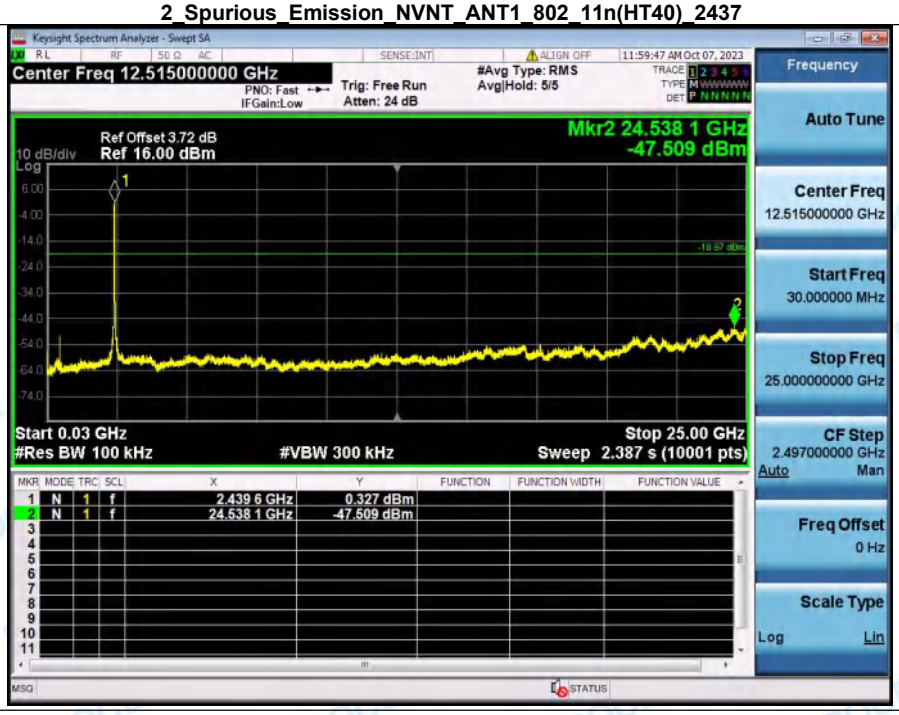
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



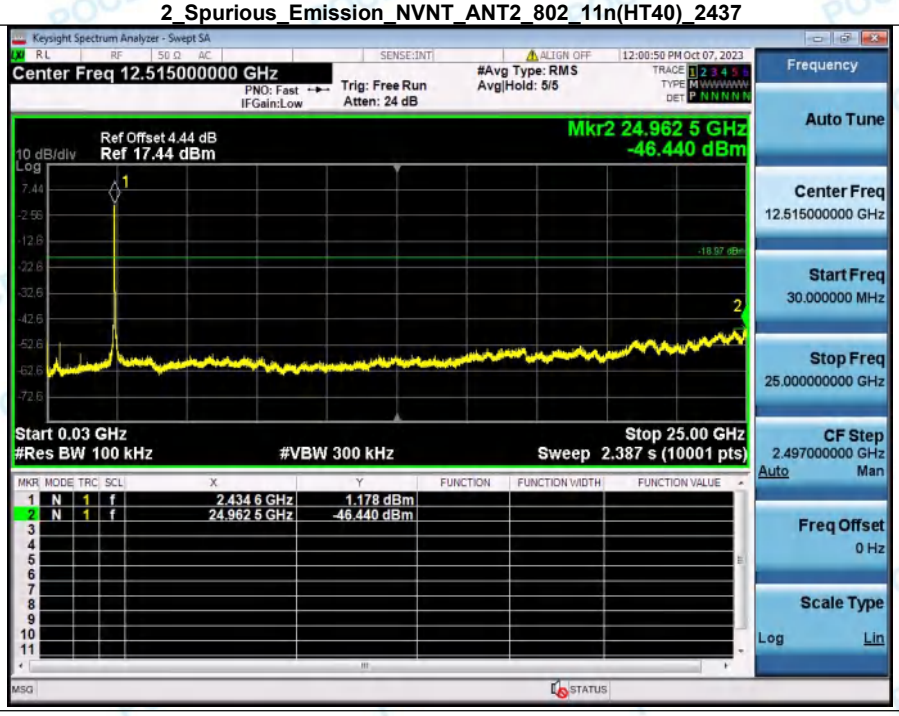
1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2437



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



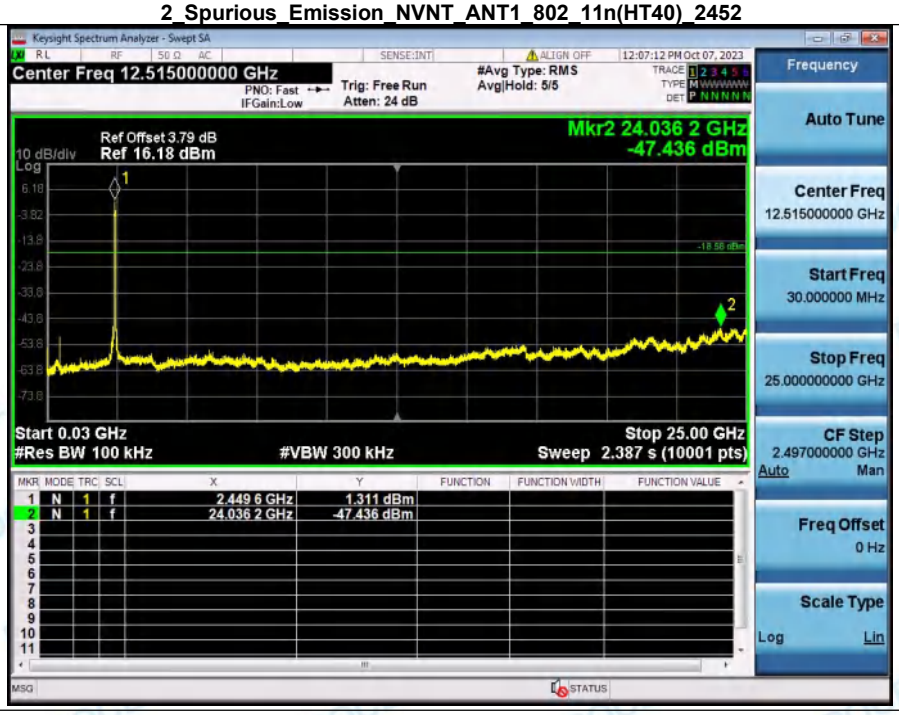
2_Spurious_Emission_NVNT_ANT2_802_11n(HT40)_2437



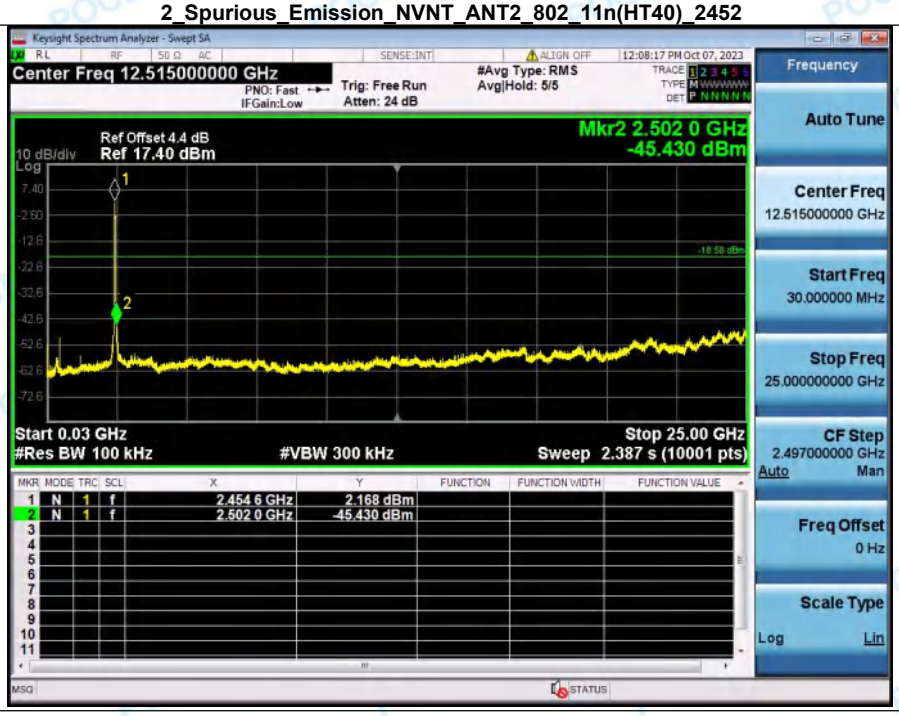
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2452

2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT2_802_11n(HT40)_2452



**********End of Report**********