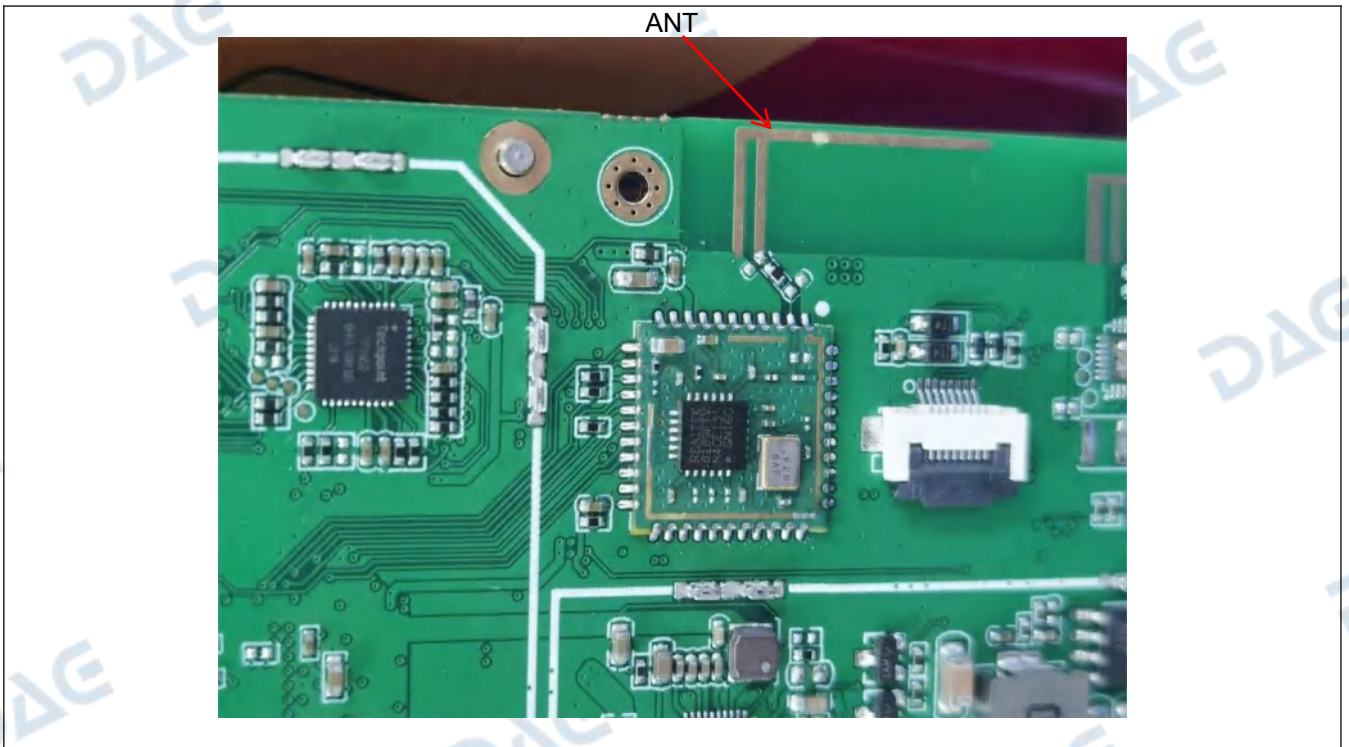




Appendix

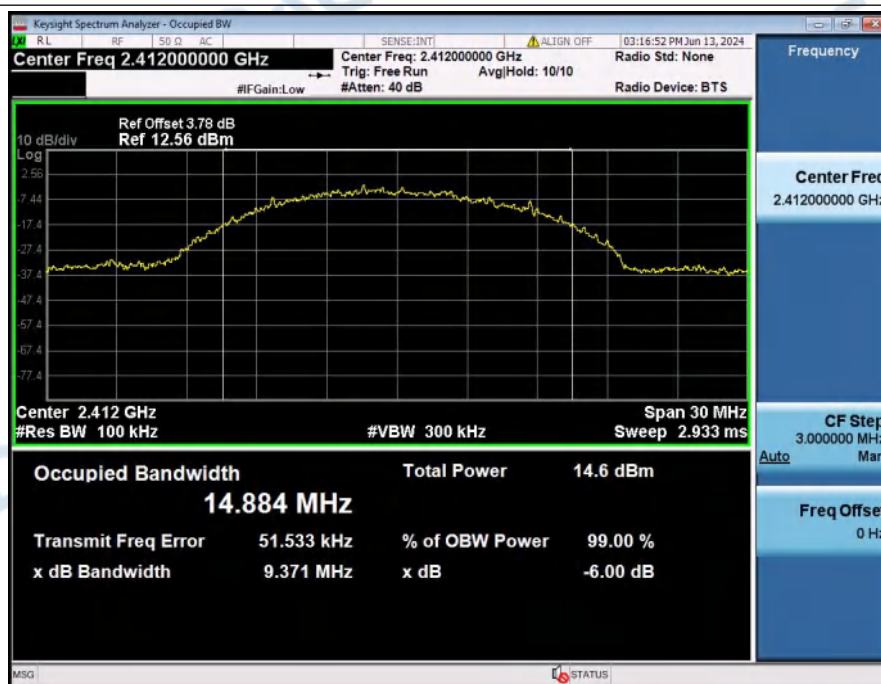
HT240523001--XJ-H10--2.4G--FCC

FCC_2.4G_WIFI (Part15.247) Test Data

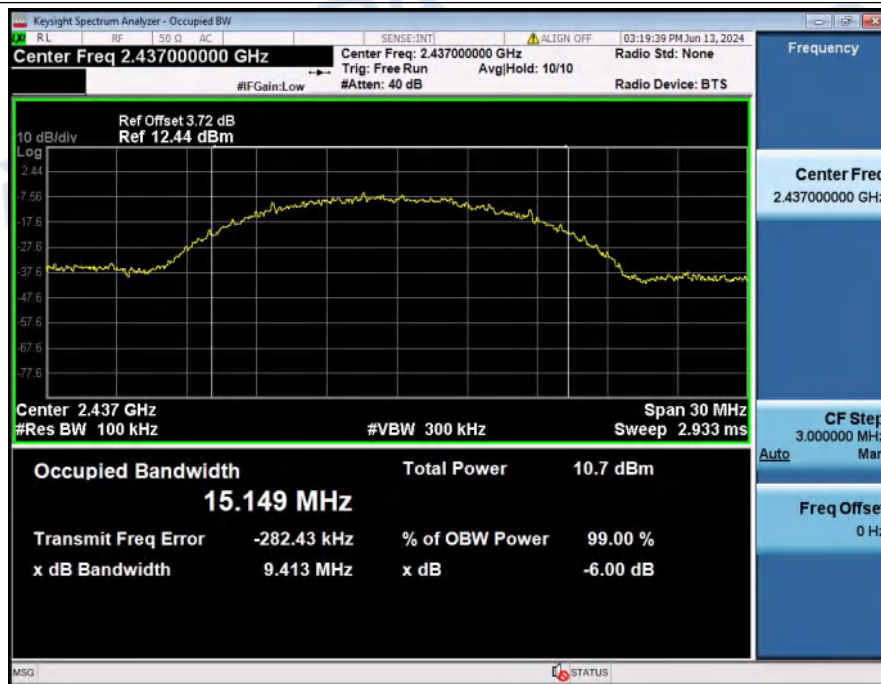
1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.37	500	Pass
NVNT	ANT1	802.11b	2437.00	9.41	500	Pass
NVNT	ANT1	802.11b	2462.00	9.50	500	Pass
NVNT	ANT1	802.11g	2412.00	15.78	500	Pass
NVNT	ANT1	802.11g	2437.00	15.79	500	Pass
NVNT	ANT1	802.11g	2462.00	16.33	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.20	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.19	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	15.20	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	32.63	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	28.86	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	34.01	500	Pass

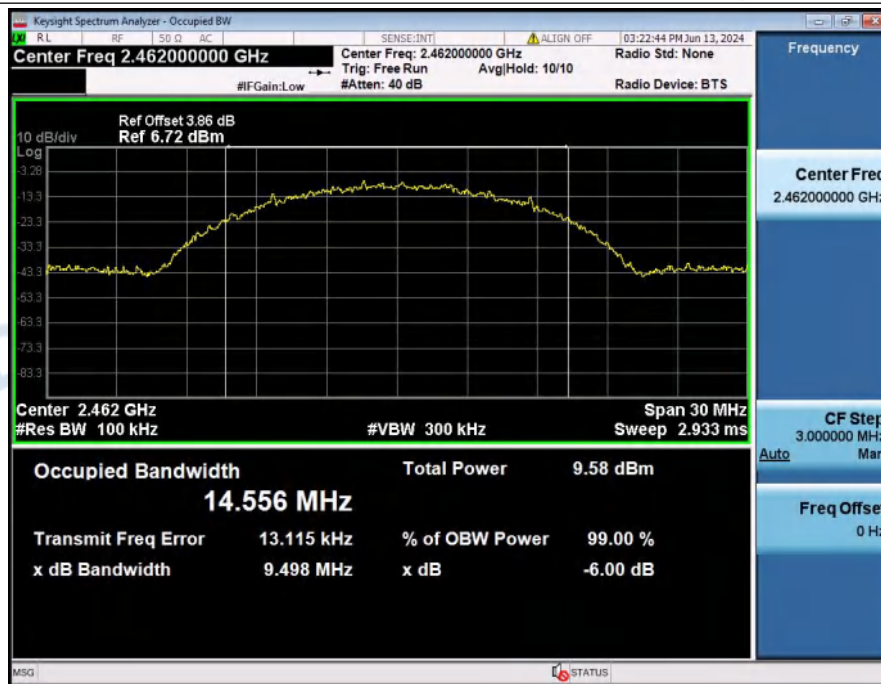
-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



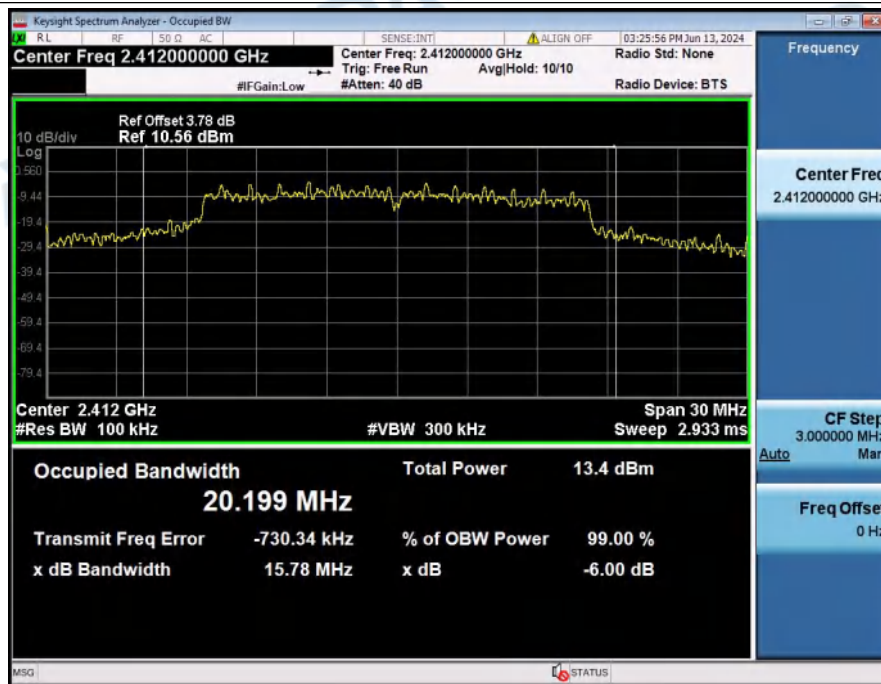
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



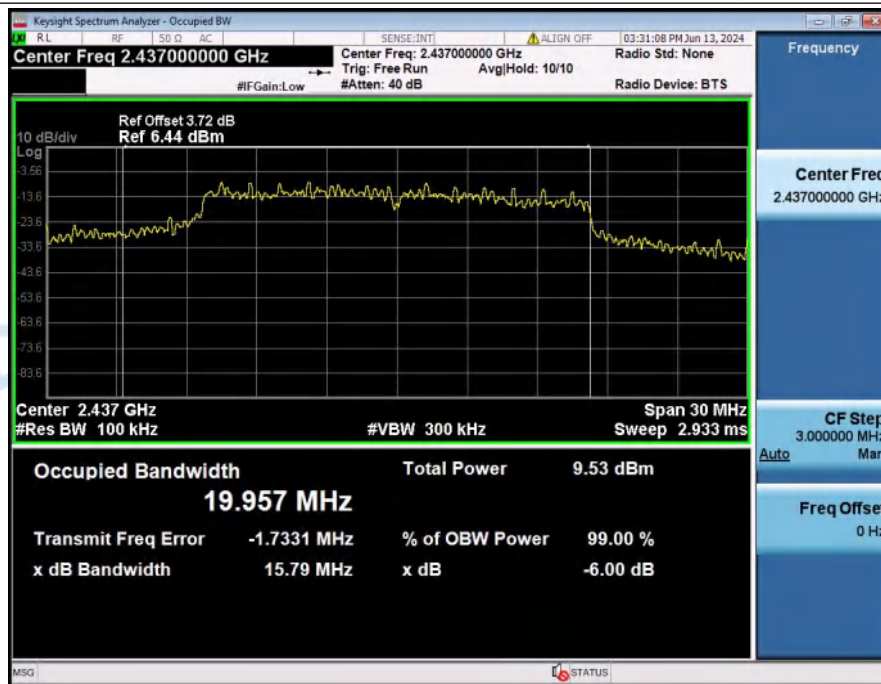
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



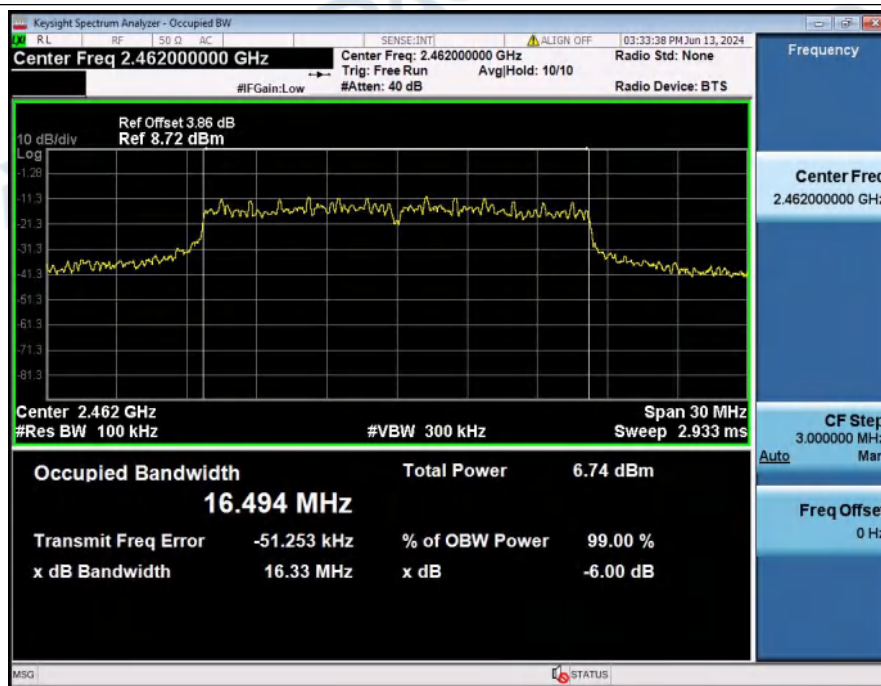
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



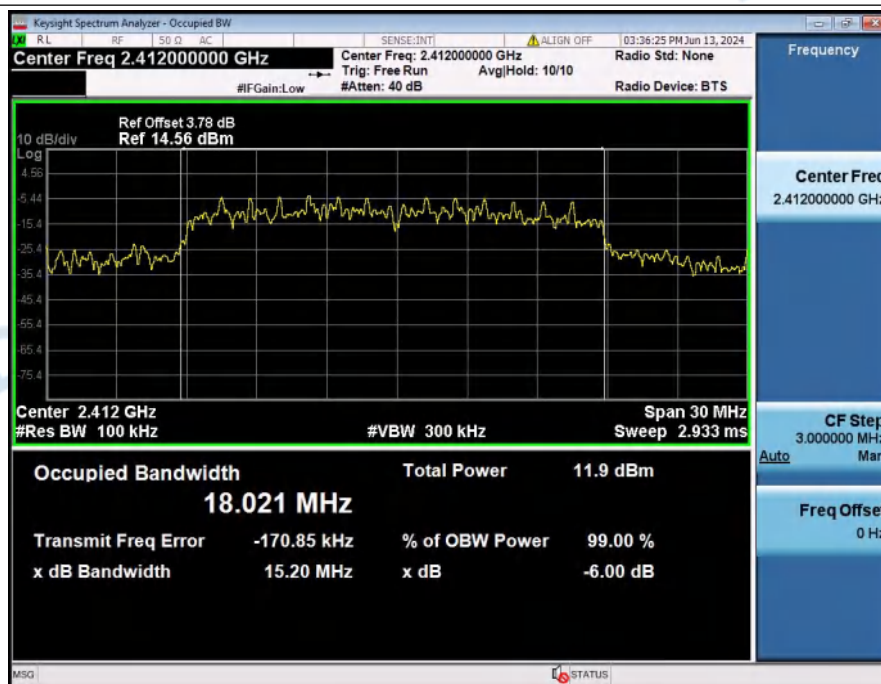
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



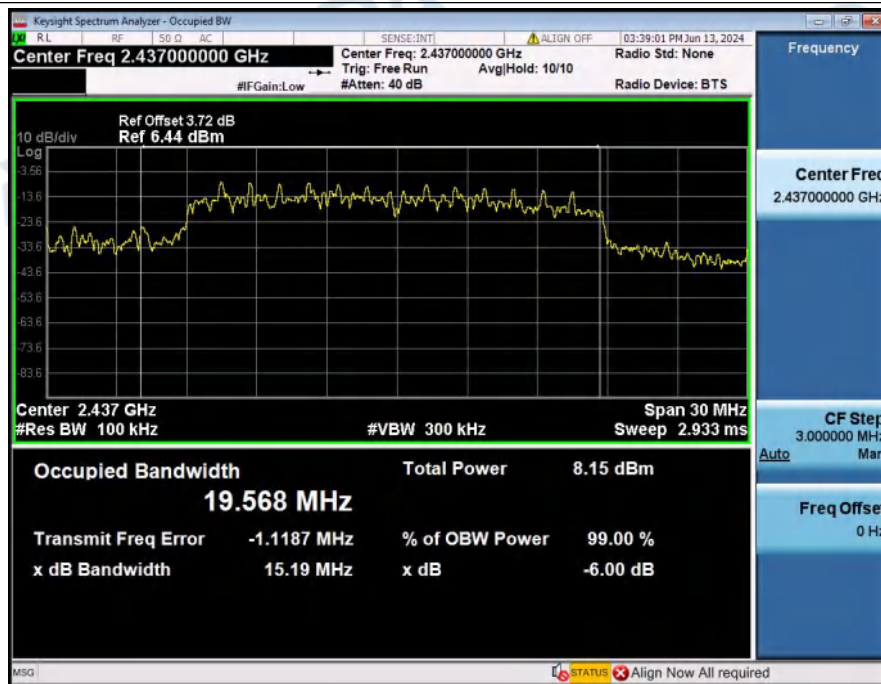
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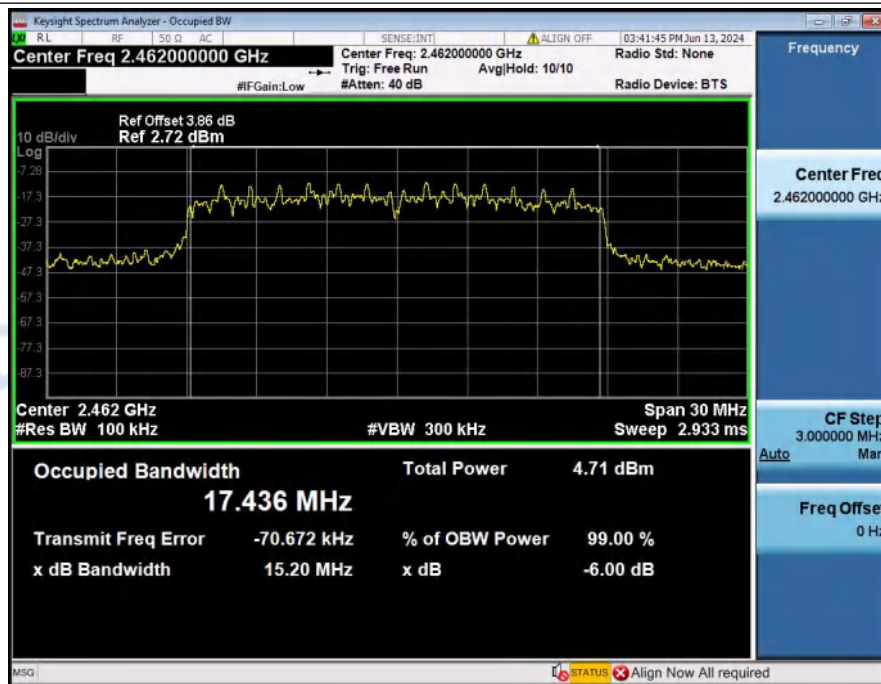
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



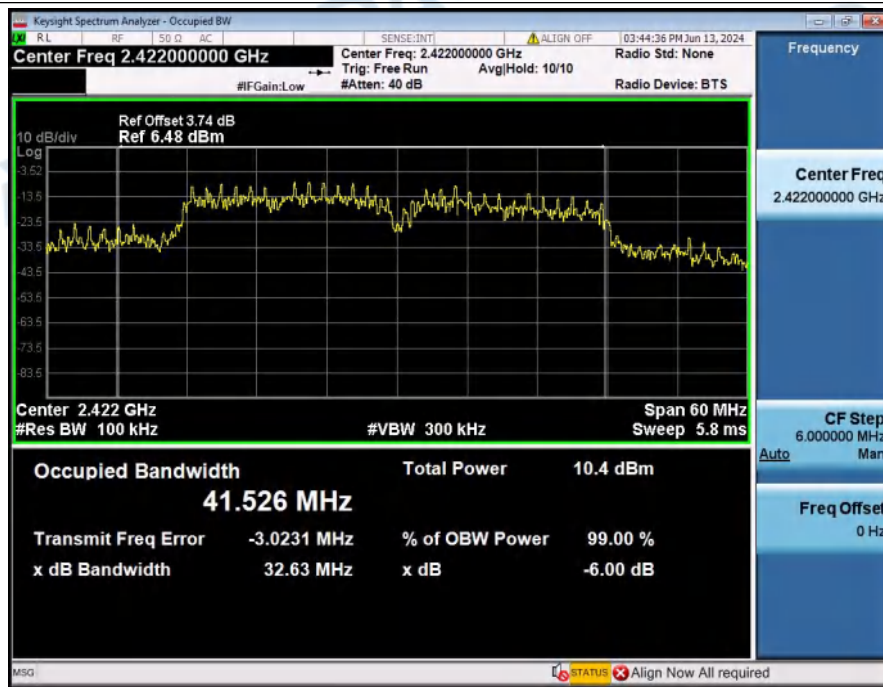
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



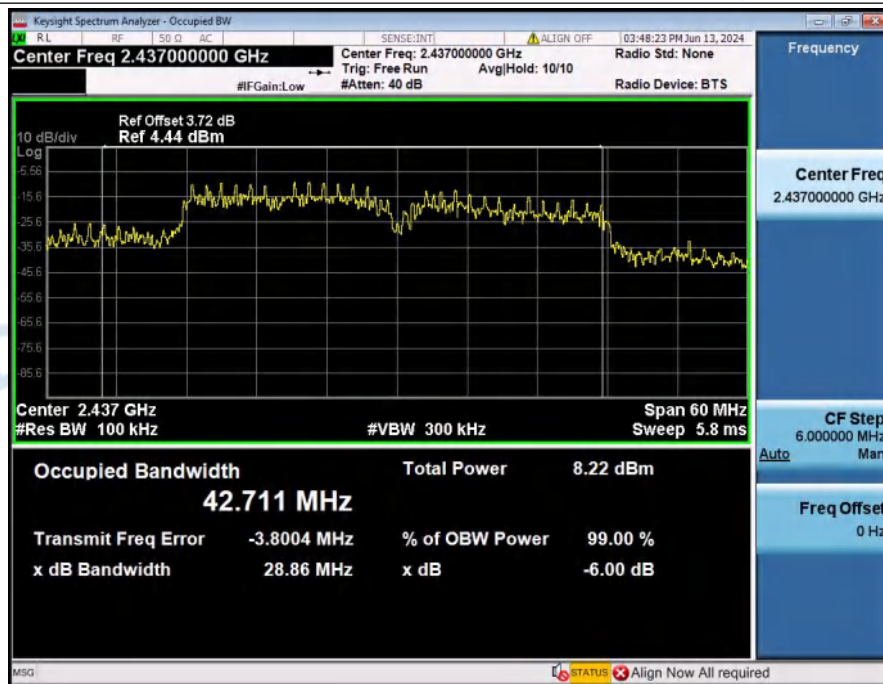
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



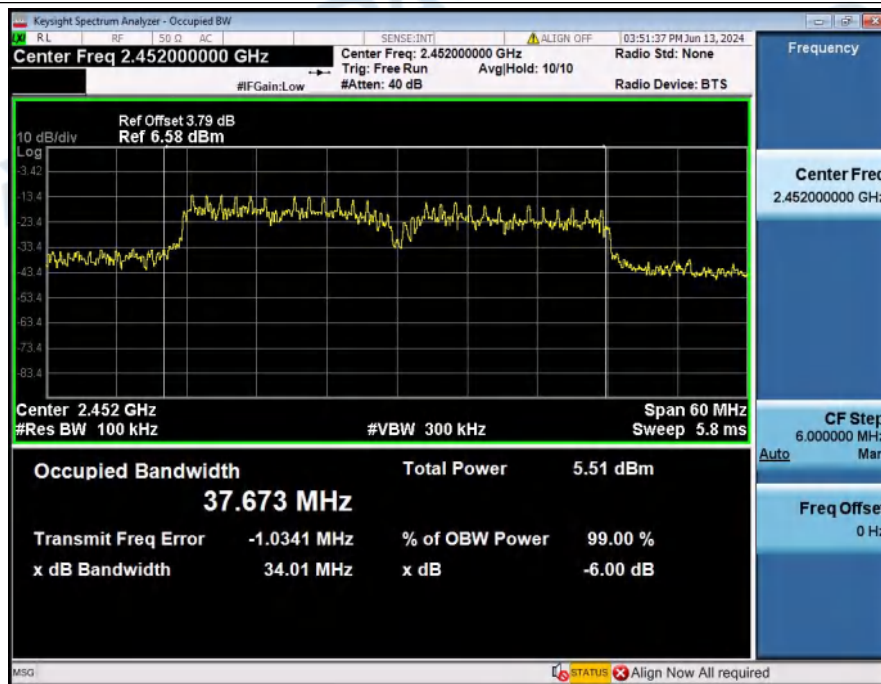
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



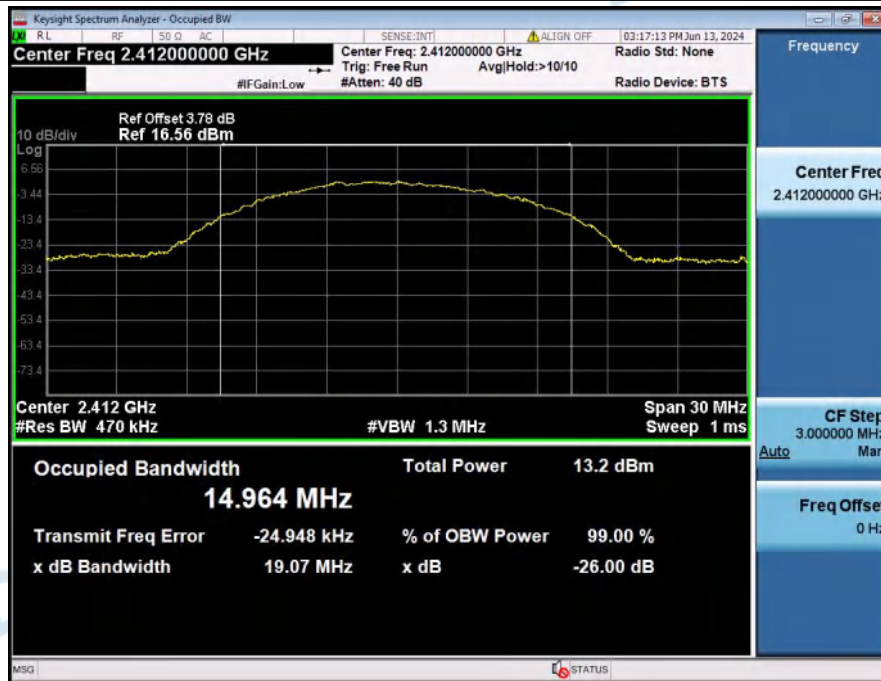
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



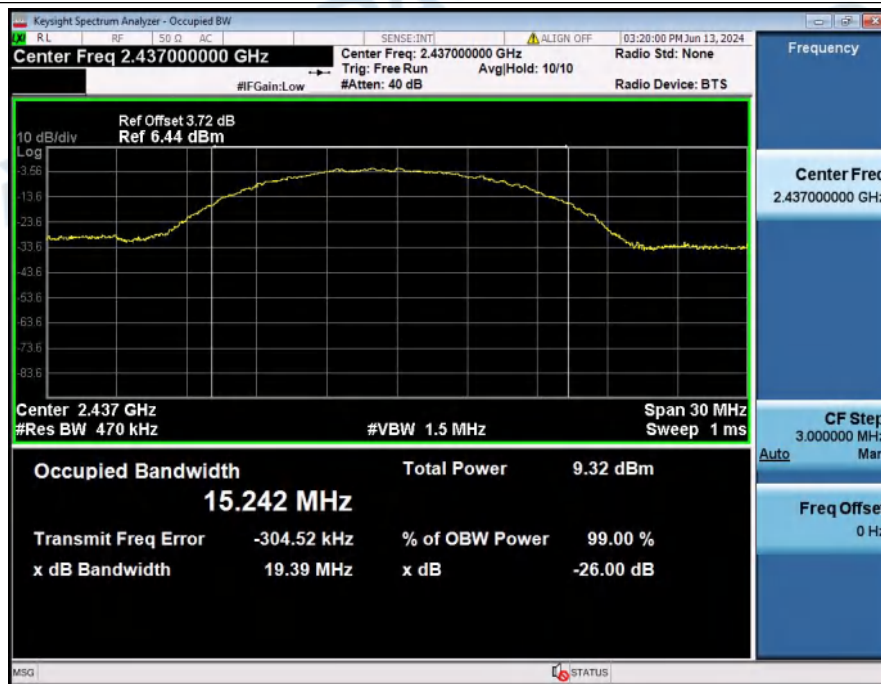
2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	14.964
NVNT	ANT1	802.11b	2437.00	15.242
NVNT	ANT1	802.11b	2462.00	14.671
NVNT	ANT1	802.11g	2412.00	21.353
NVNT	ANT1	802.11g	2437.00	21.047
NVNT	ANT1	802.11g	2462.00	17.617
NVNT	ANT1	802.11n(HT20)	2412.00	20.636
NVNT	ANT1	802.11n(HT20)	2437.00	20.477
NVNT	ANT1	802.11n(HT20)	2462.00	17.692
NVNT	ANT1	802.11n(HT40)	2422.00	41.209
NVNT	ANT1	802.11n(HT40)	2437.00	43.101
NVNT	ANT1	802.11n(HT40)	2452.00	40.634

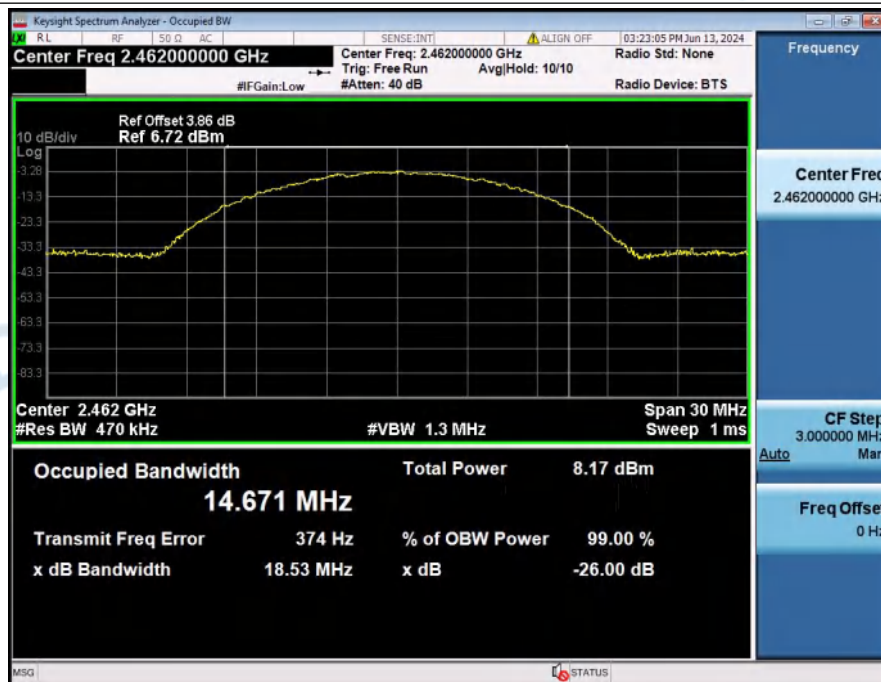
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412



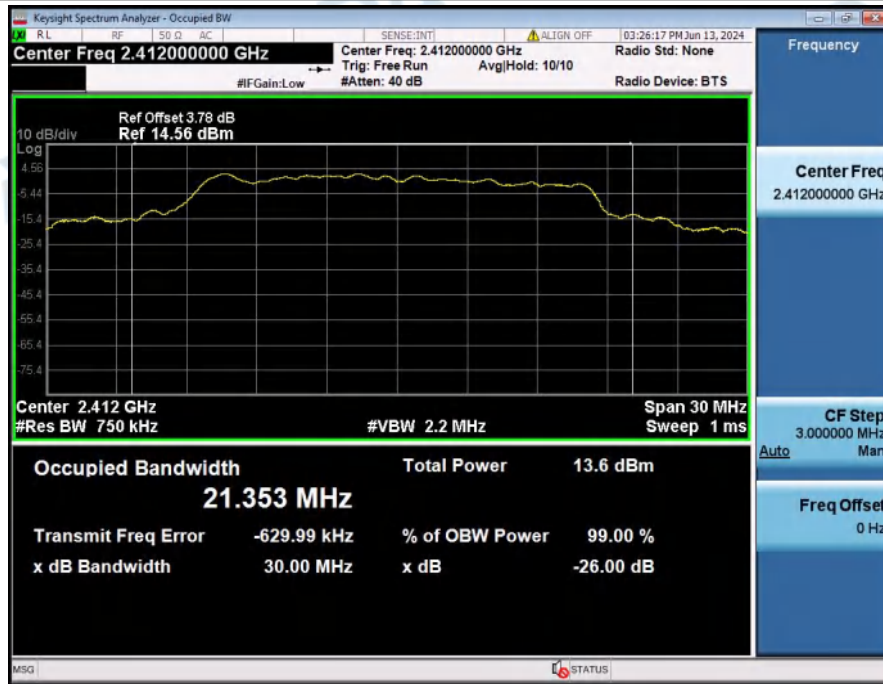
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



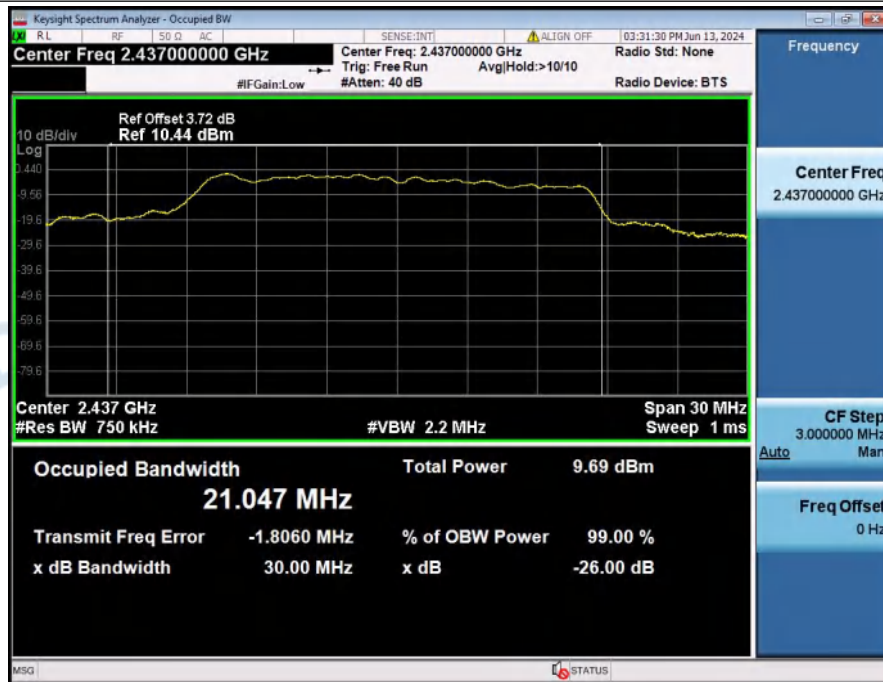
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2462



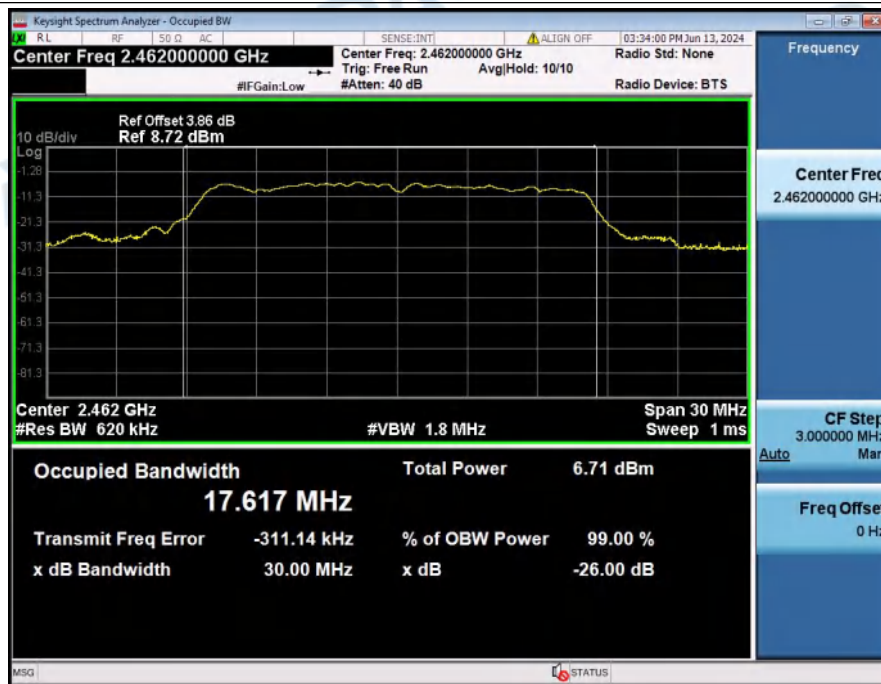
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



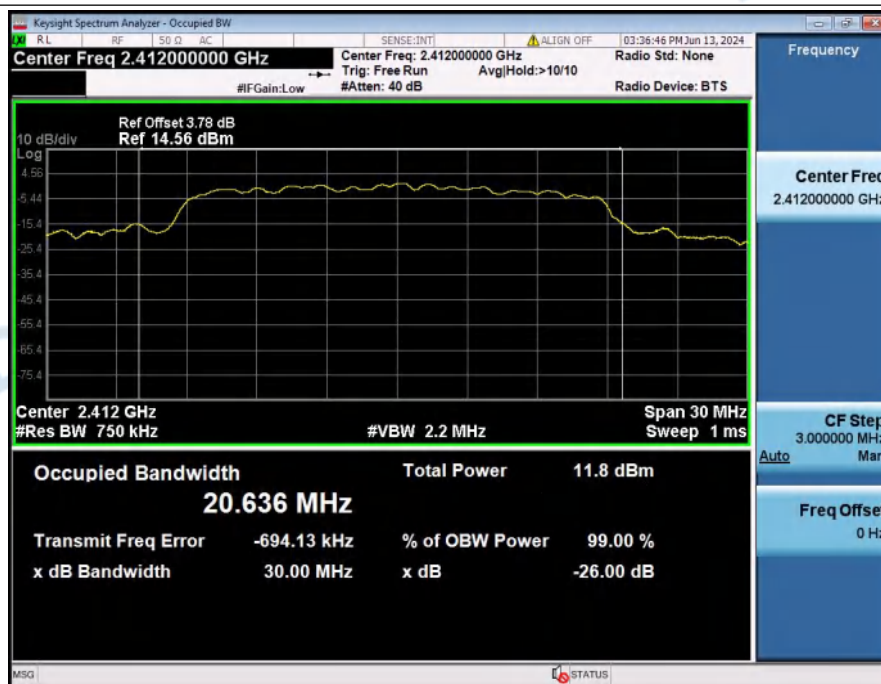
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437



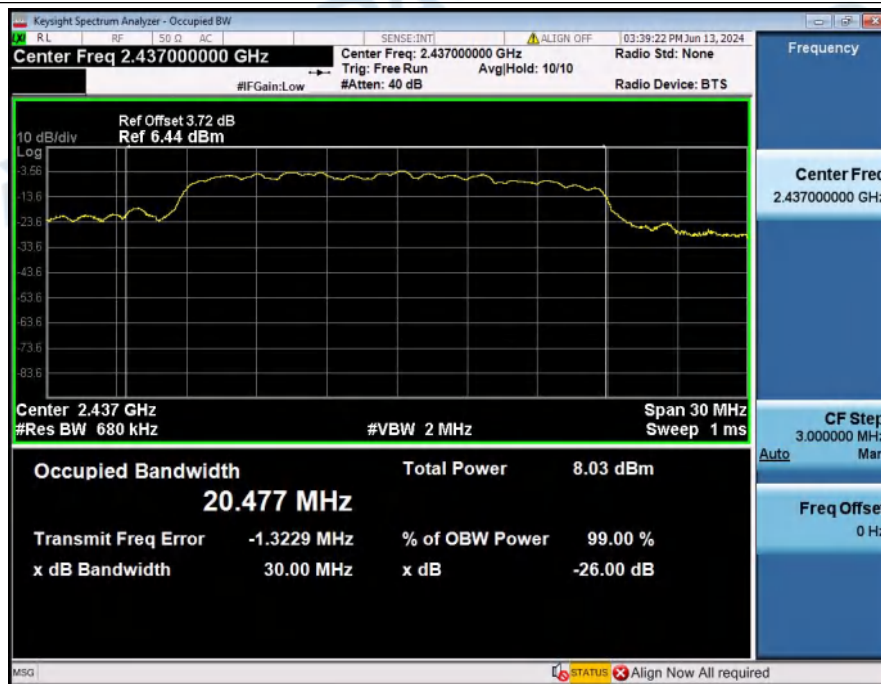
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



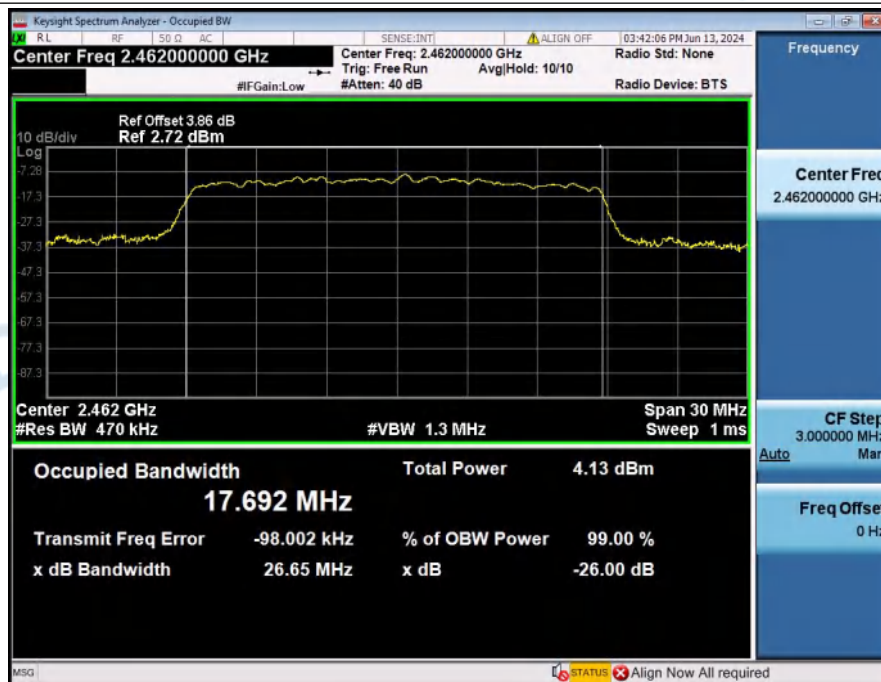
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



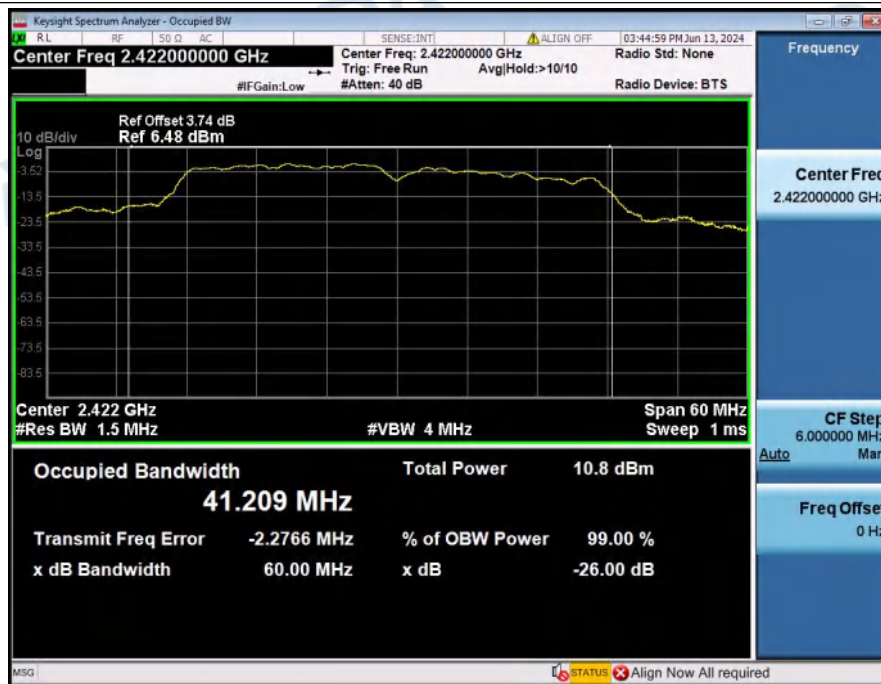
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



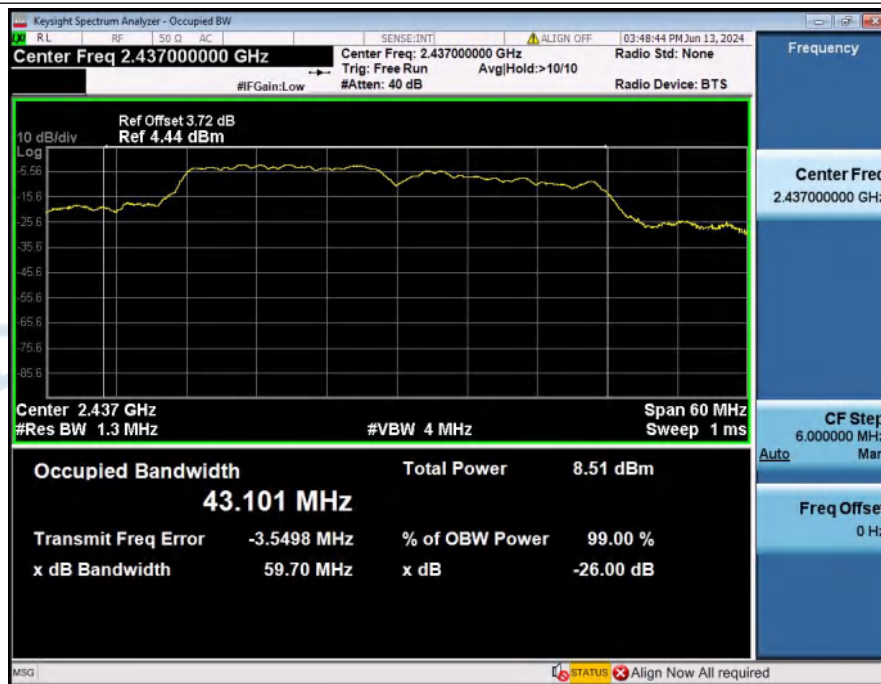
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



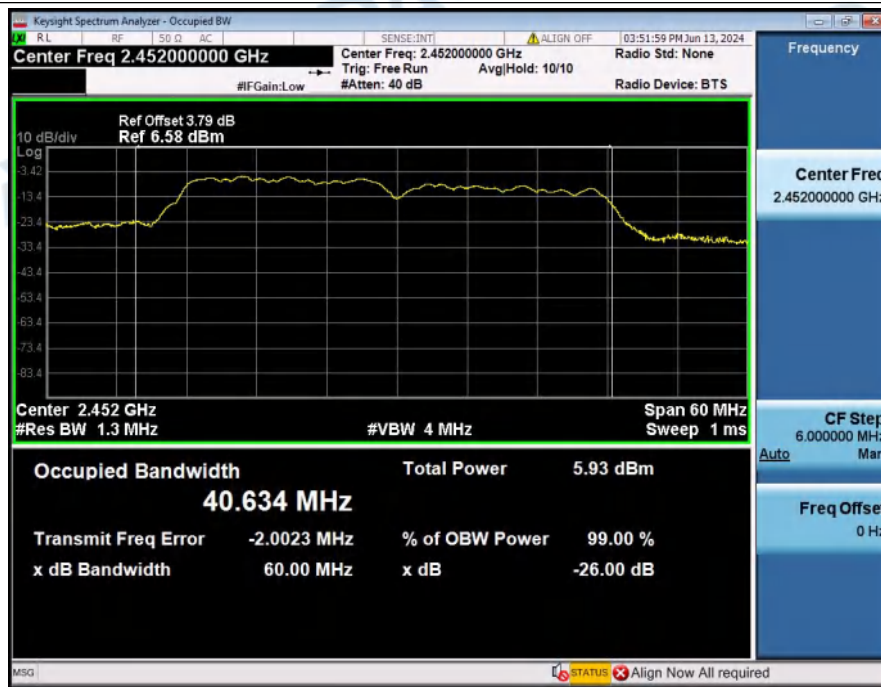
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



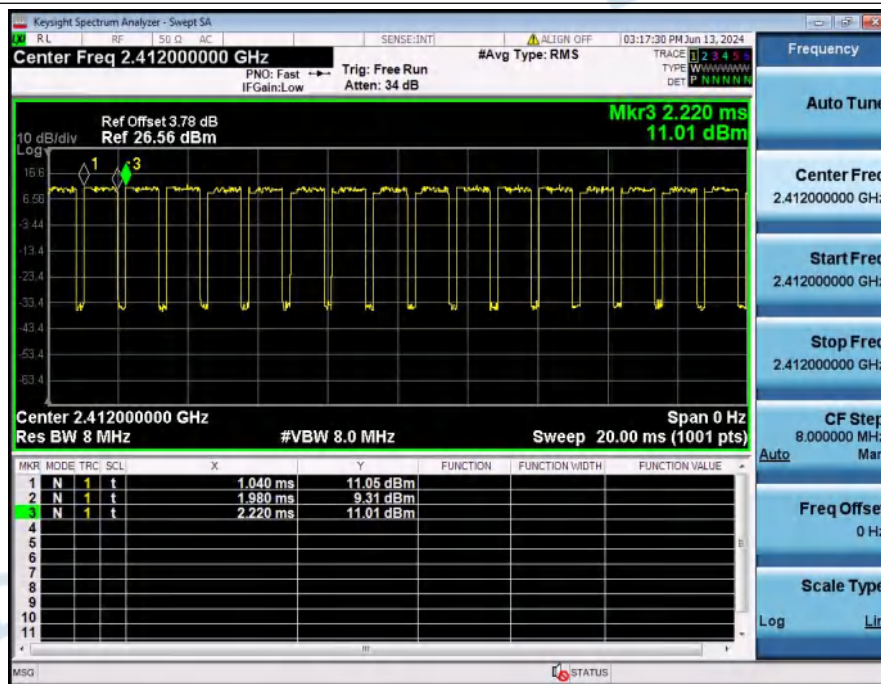
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



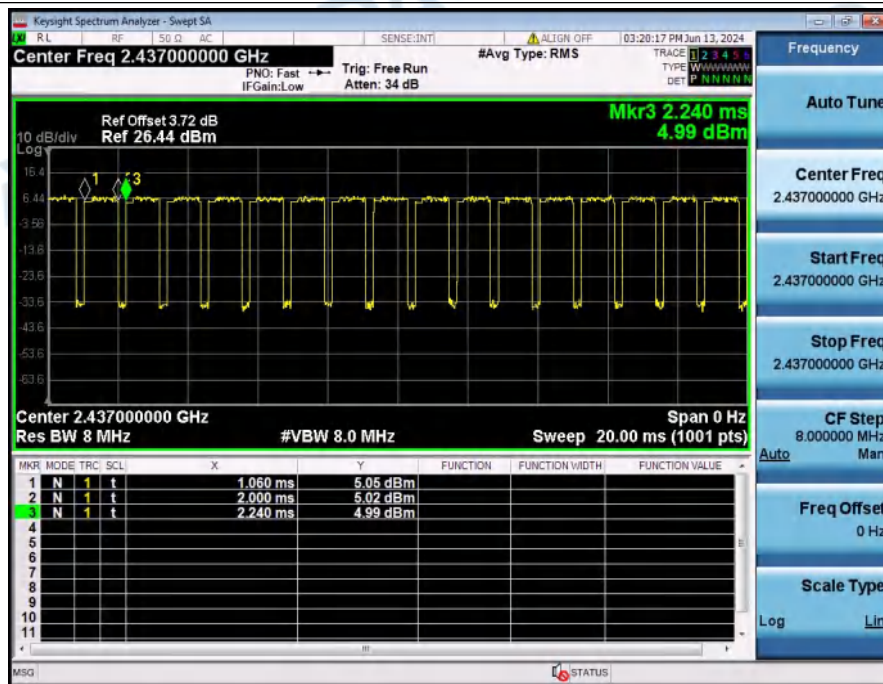
3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	81.36	0.90
NVNT	ANT1	802.11b	2437.00	81.36	0.90
NVNT	ANT1	802.11b	2462.00	81.36	0.90
NVNT	ANT1	802.11g	2412.00	42.86	3.68
NVNT	ANT1	802.11g	2437.00	42.86	3.68
NVNT	ANT1	802.11g	2462.00	47.62	3.22
NVNT	ANT1	802.11n(HT20)	2412.00	20.00	6.99
NVNT	ANT1	802.11n(HT20)	2437.00	20.00	6.99
NVNT	ANT1	802.11n(HT20)	2462.00	20.00	6.99
NVNT	ANT1	802.11n(HT40)	2422.00	22.22	6.53
NVNT	ANT1	802.11n(HT40)	2437.00	37.50	4.26
NVNT	ANT1	802.11n(HT40)	2452.00	25.00	6.02

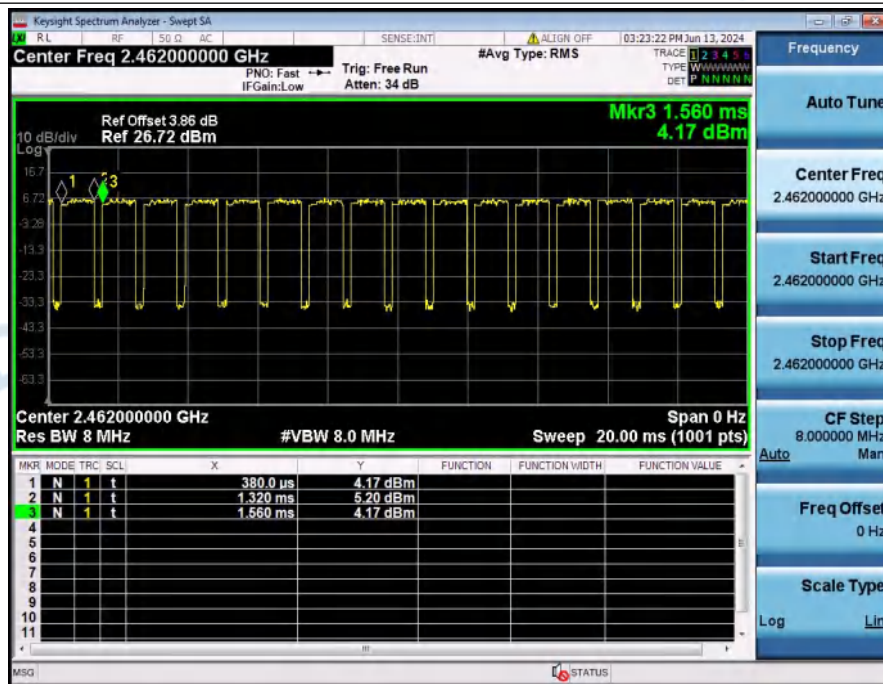
Duty_Cycle_NVNT_ANT1_802_11b_2412



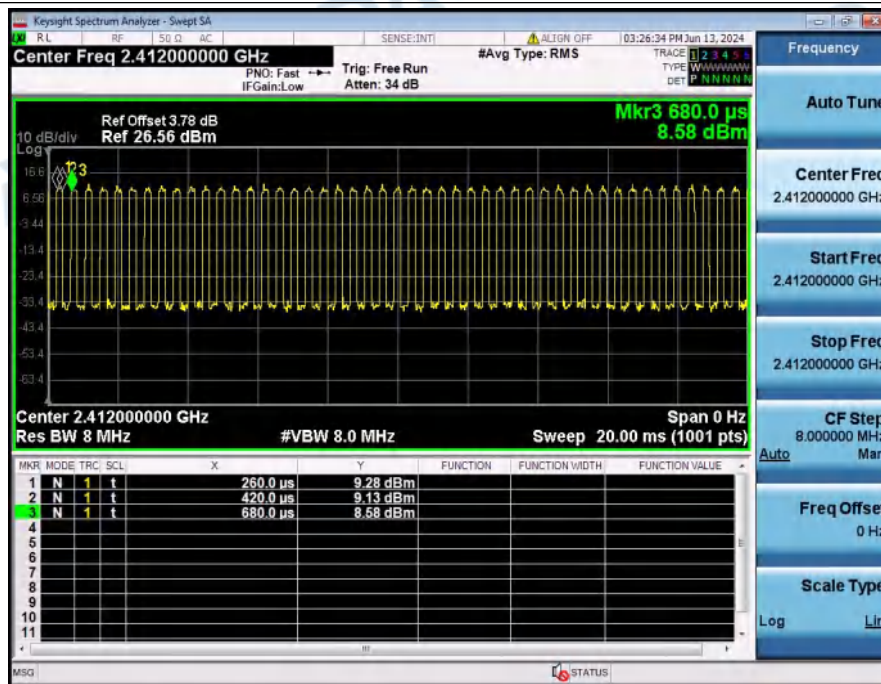
Duty_Cycle_NVNT_ANT1_802_11b_2437



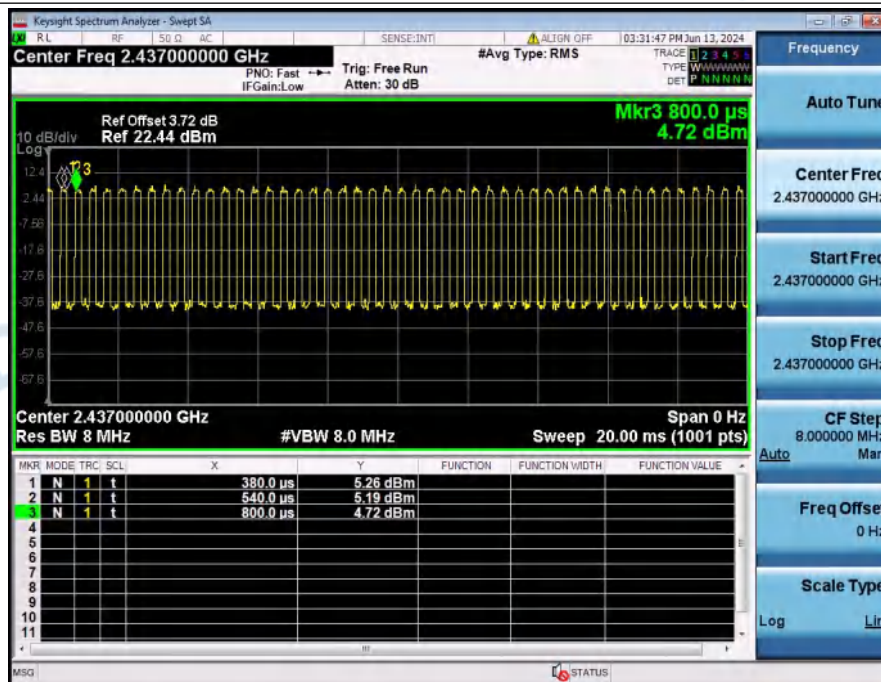
Duty_Cycle_NVNT_ANT1_802_11b_2462



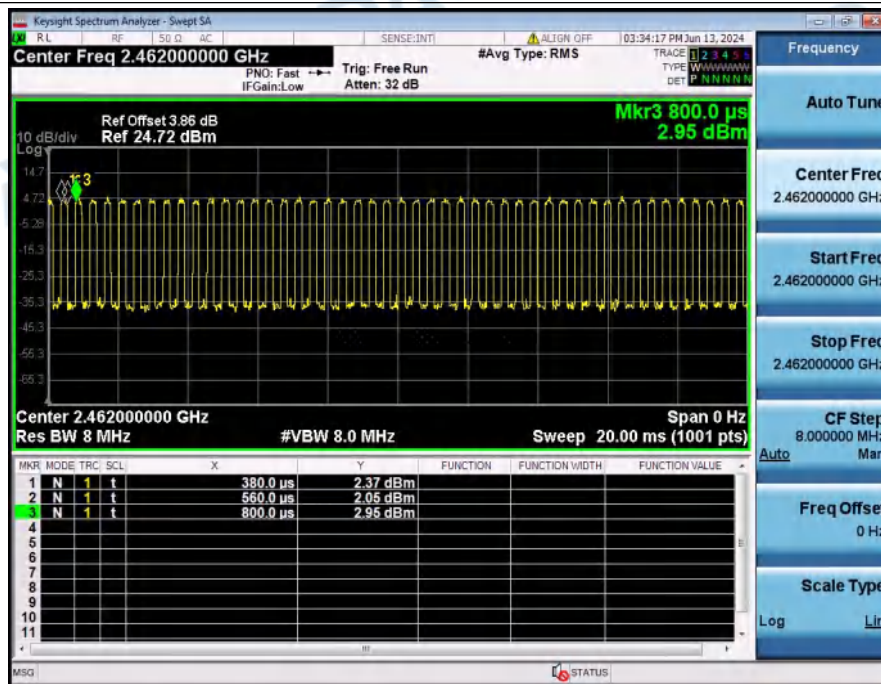
Duty_Cycle_NVNT_ANT1_802_11g_2412



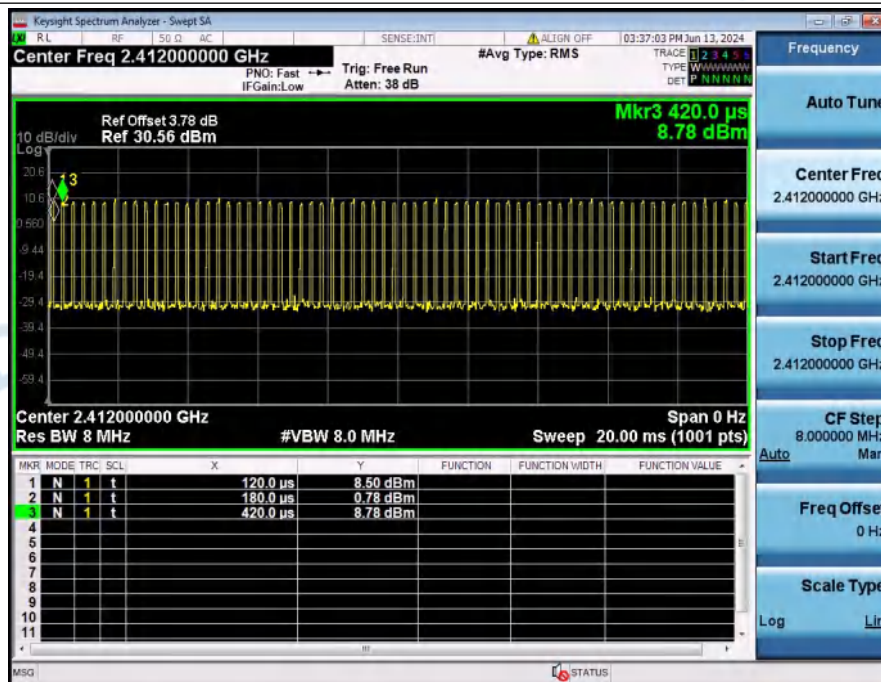
Duty_Cycle_NVNT_ANT1_802_11g_2437



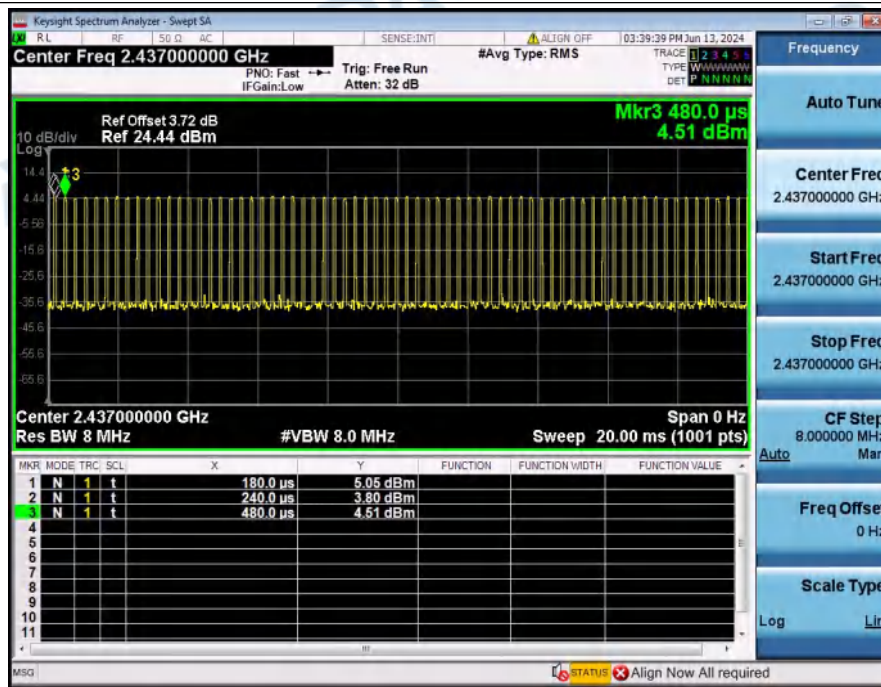
Duty_Cycle_NVNT_ANT1_802_11g_2462



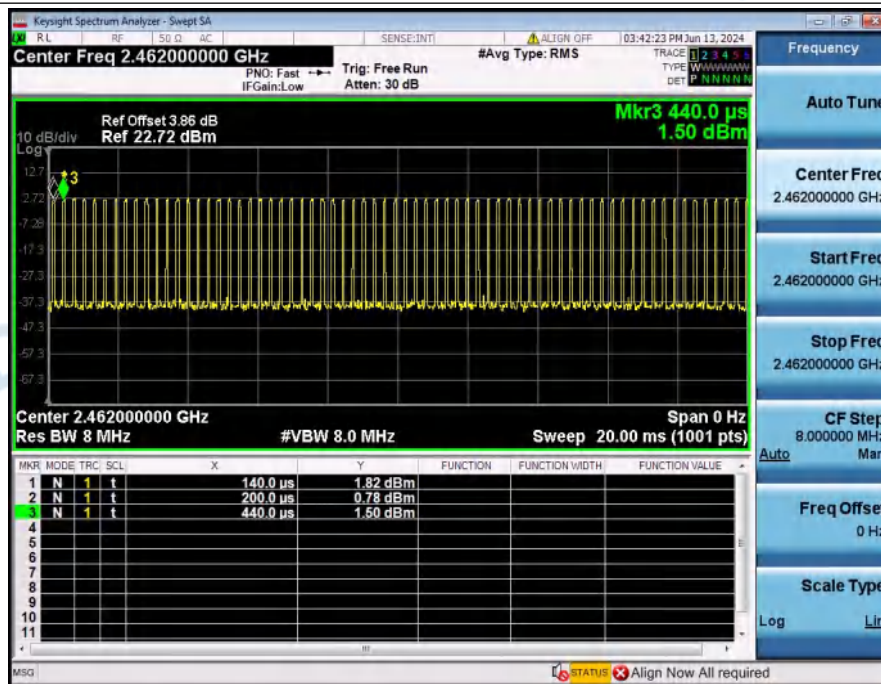
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



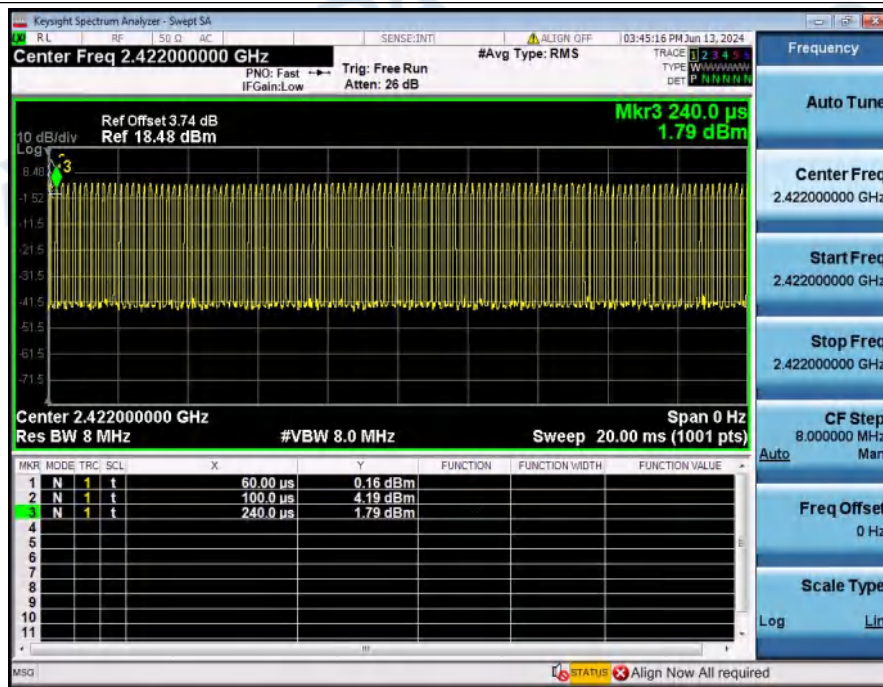
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



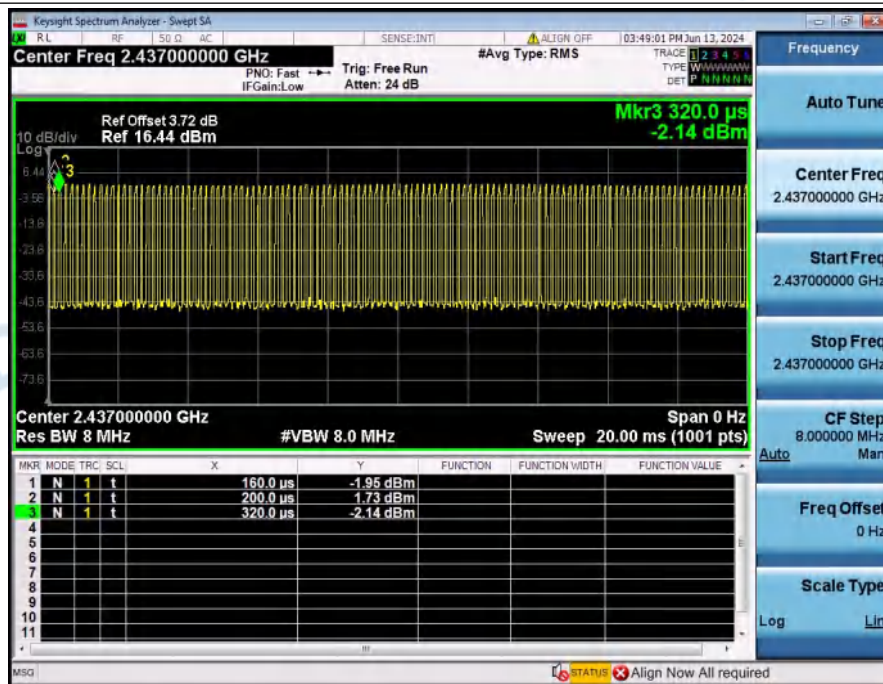
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



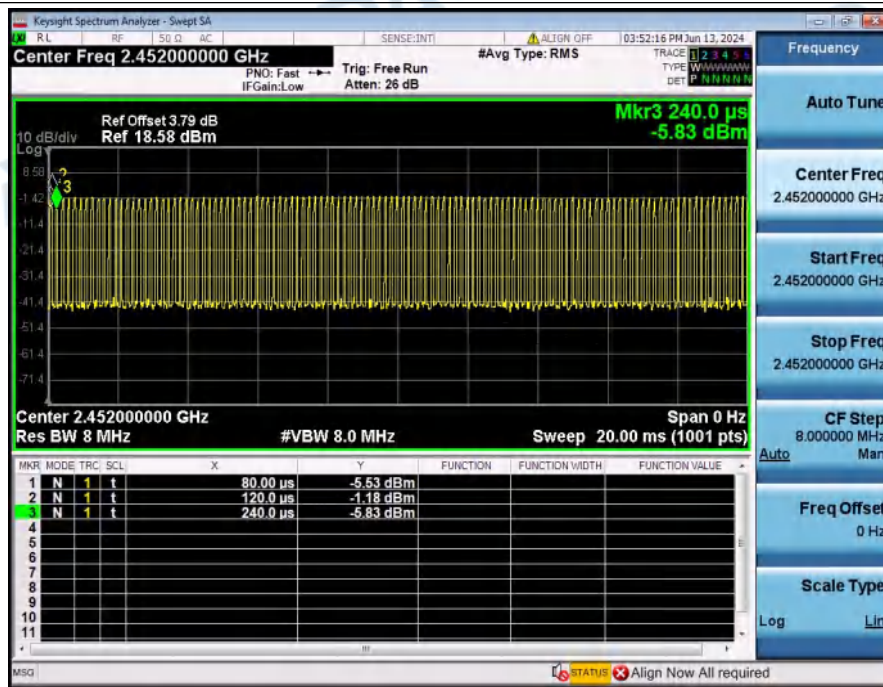
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452



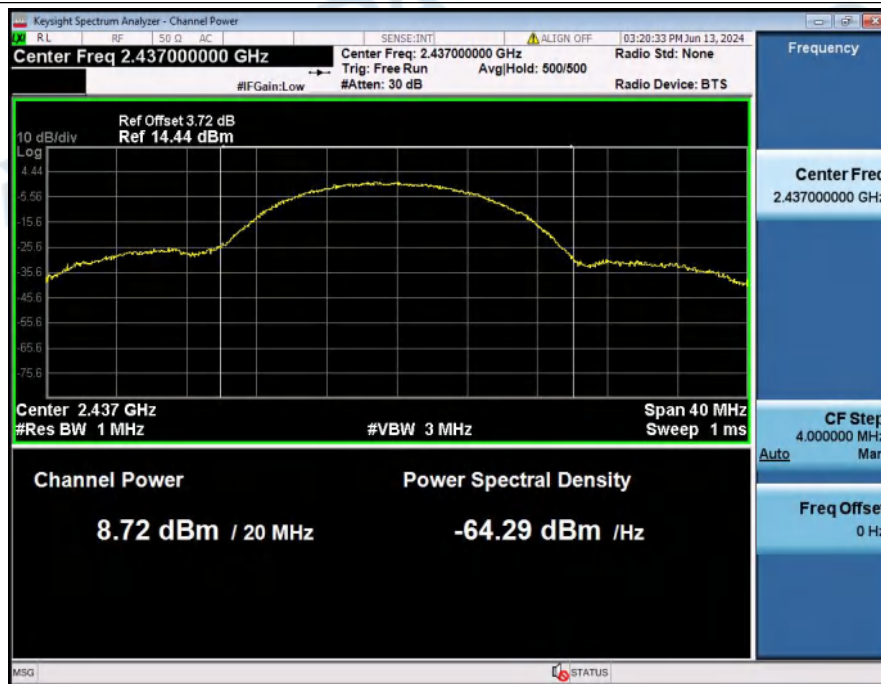
4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	12.66	N/A	12.66	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	8.72	N/A	8.72	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	7.58	N/A	7.58	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	13.63	N/A	13.63	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	9.65	N/A	9.65	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	6.87	N/A	6.87	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	11.87	N/A	11.87	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	8.07	N/A	8.07	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	4.69	N/A	4.69	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	10.33	N/A	10.33	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	8.14	N/A	8.14	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	5.46	N/A	5.46	30	Pass

MAX__Output_Power_NVNT_ANT1_802_11b_2412



MAX__Output_Power_NVNT_ANT1_802_11b_2437



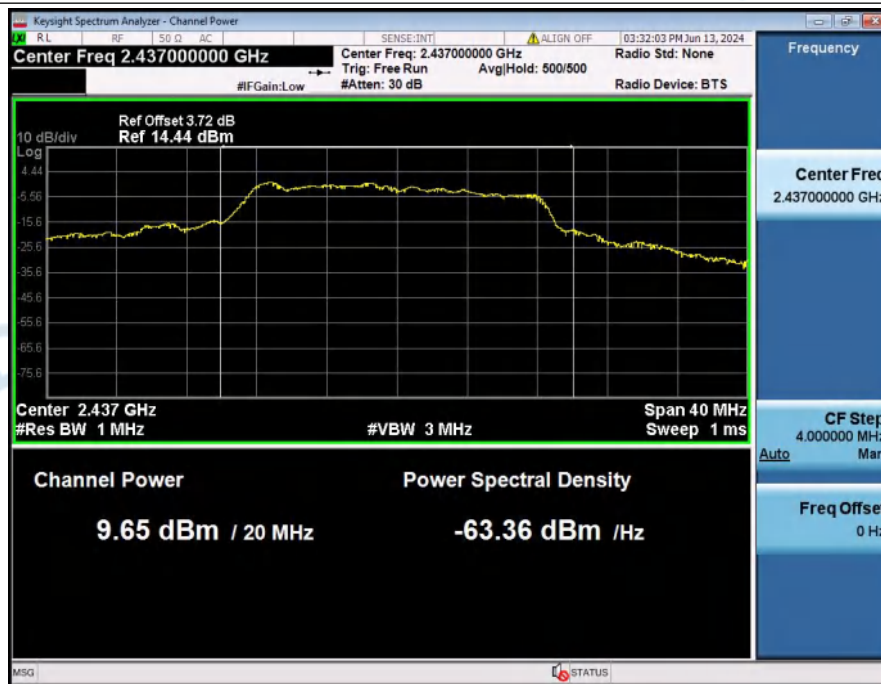
MAX__Output_Power_NVNT_ANT1_802_11b_2462



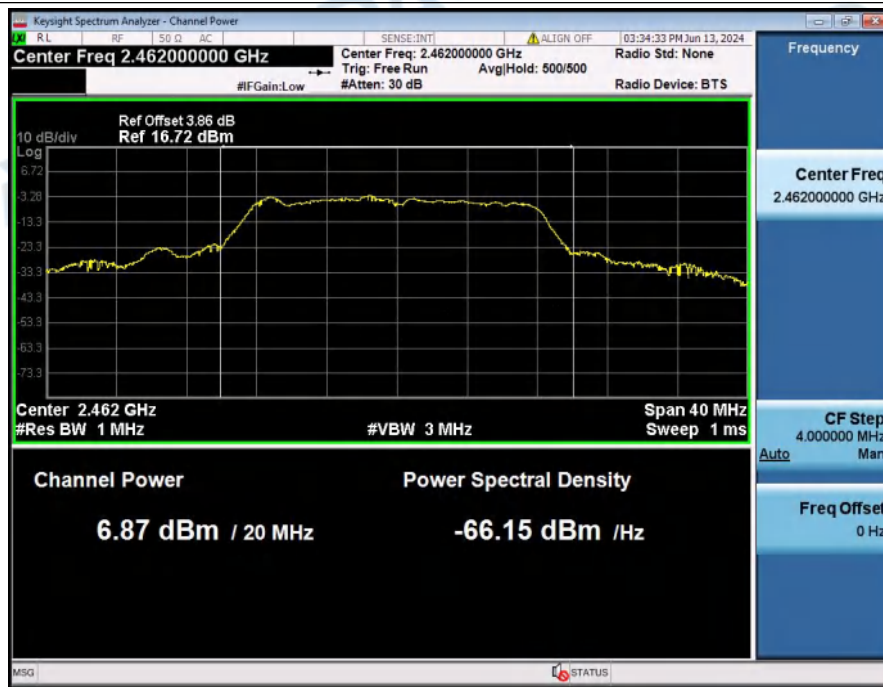
MAX__Output_Power_NVNT_ANT1_802_11g_2412



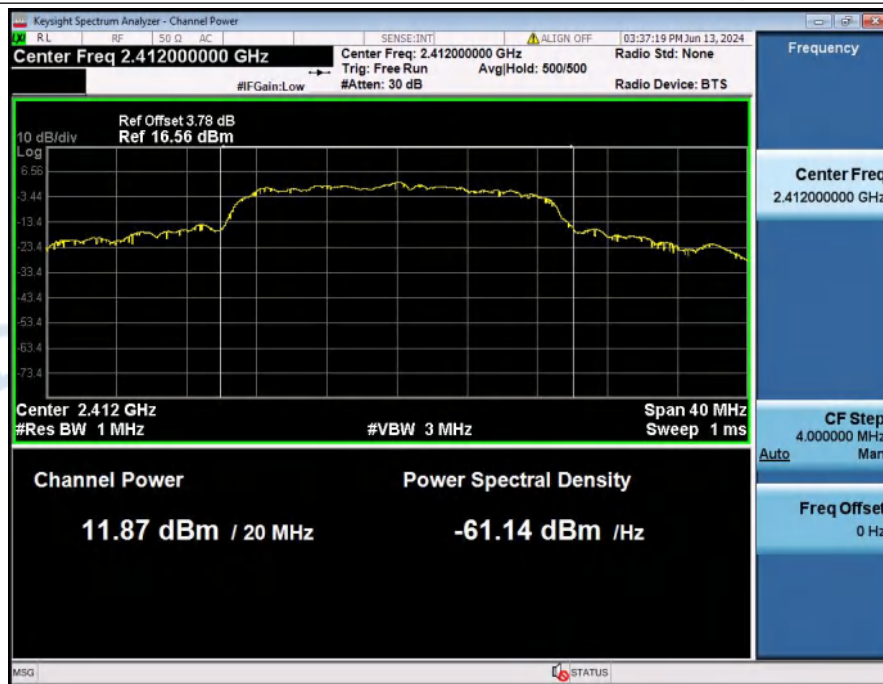
MAX__Output_Power_NVNT_ANT1_802_11g_2437



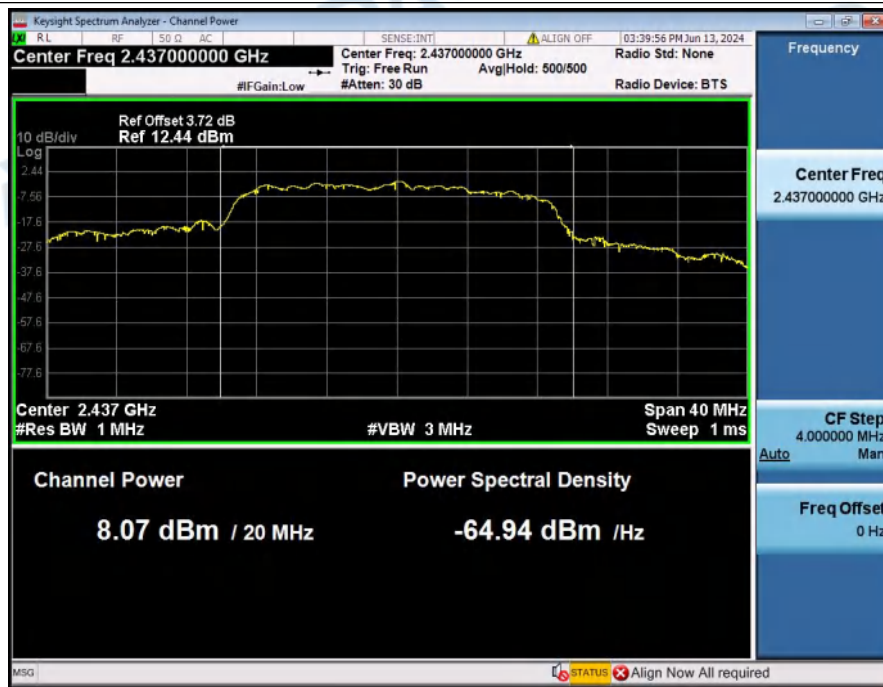
MAX_Output_Power_NVNT_ANT1_802_11g_2462



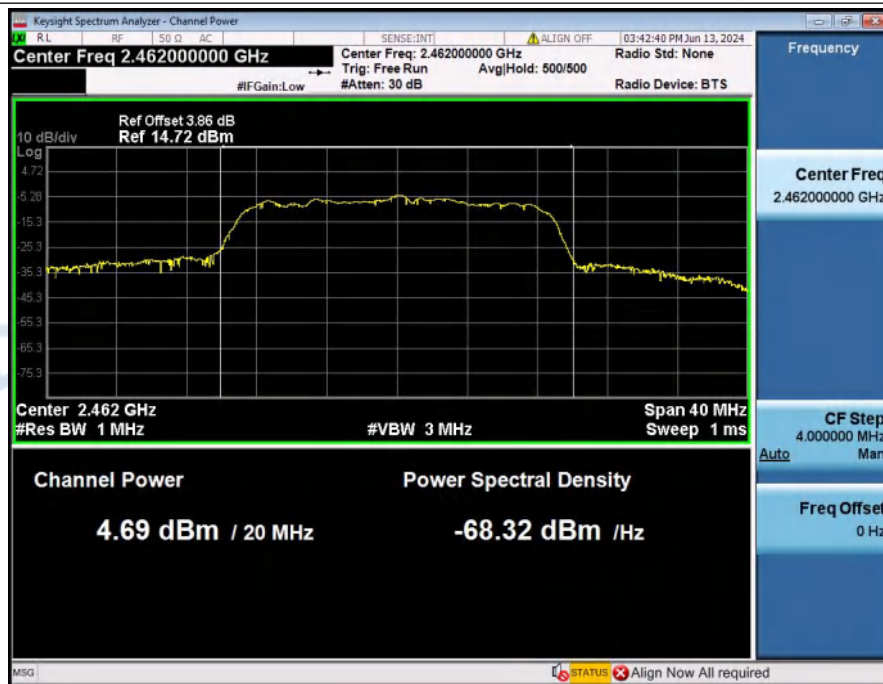
MAX_Output_Power_NVNT_ANT1_802_11n(HT20)_2412



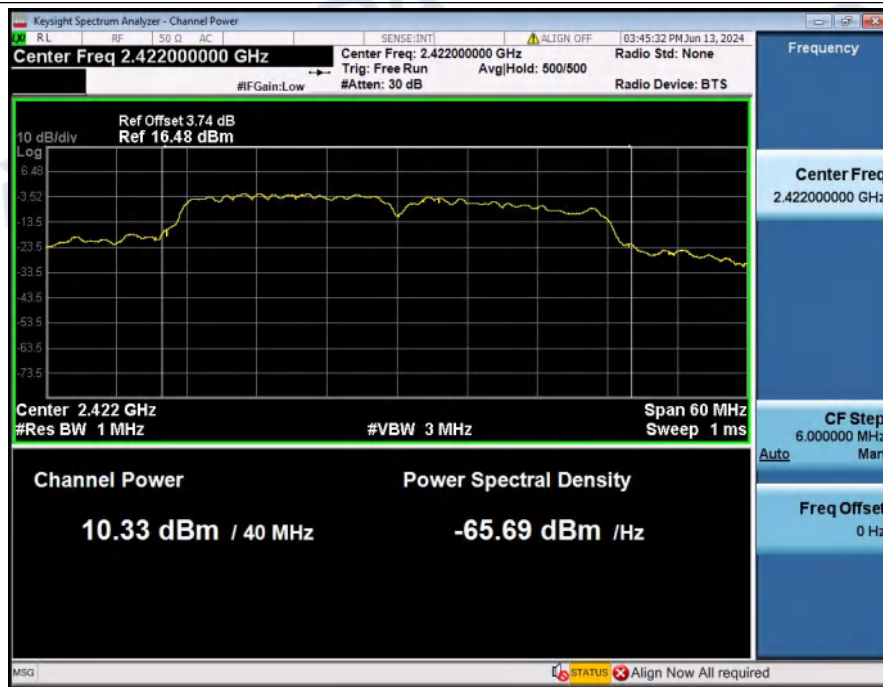
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2437



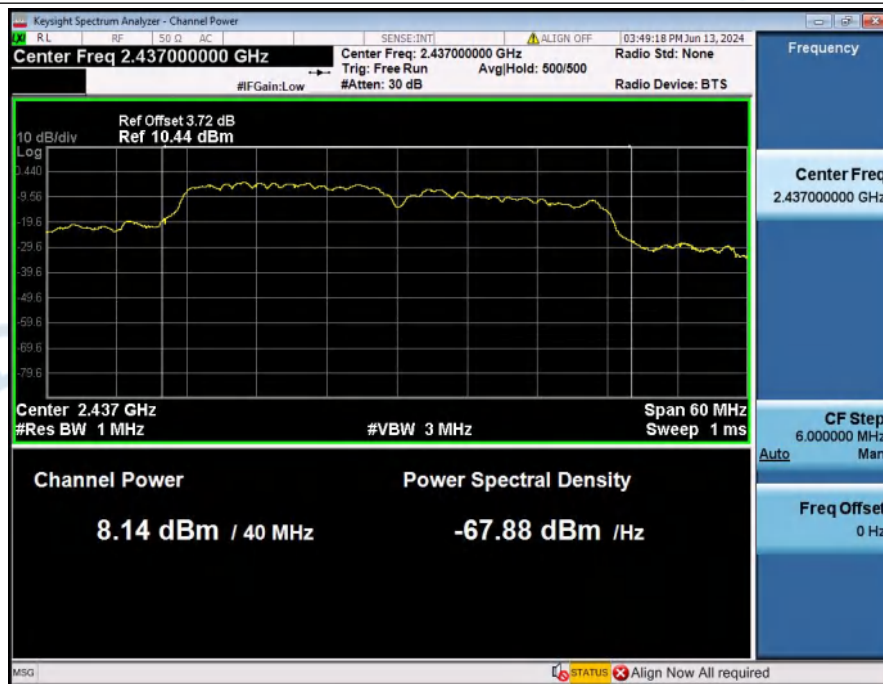
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2462



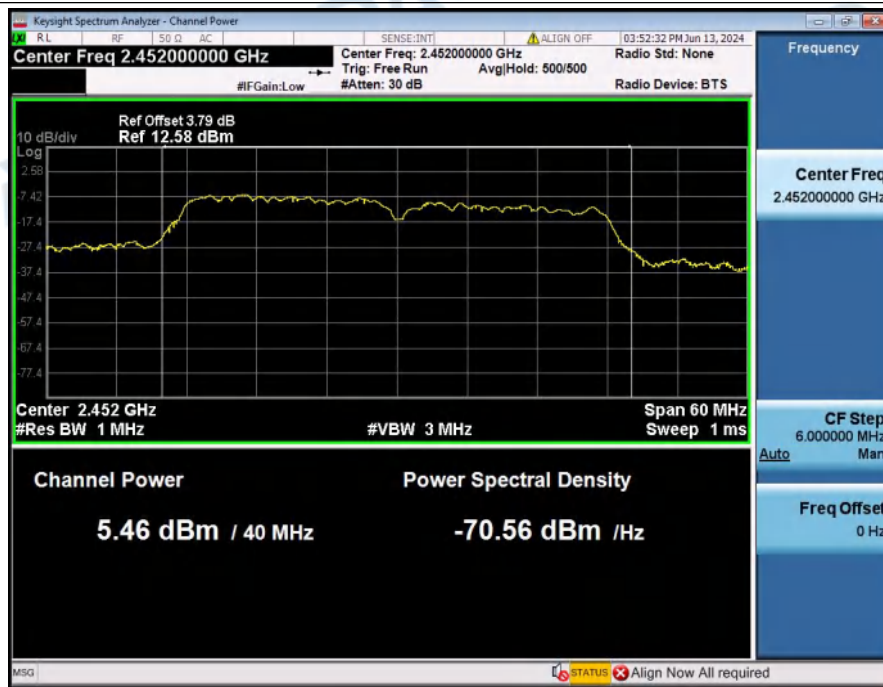
MAX_Output_Power_NVNT_ANT1_802_11n(HT40)_2422



MAX_Output_Power_NVNT_ANT1_802_11n(HT40)_2437



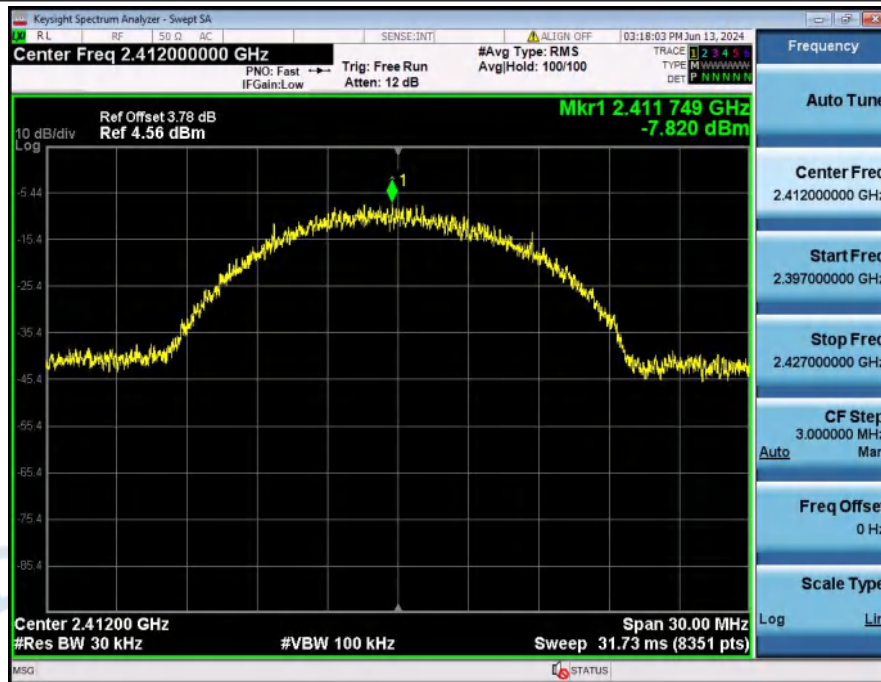
MAX_Output_Power_NVNT_ANT1_802_11n(HT40)_2452



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-7.82	N/A	-10.00	-17.82	8	Pass
NVNT	ANT1	802.11b	2437.00	-11.92	N/A	-10.00	-21.92	8	Pass
NVNT	ANT1	802.11b	2462.00	-12.73	N/A	-10.00	-22.73	8	Pass
NVNT	ANT1	802.11g	2412.00	-9.67	N/A	-10.00	-19.67	8	Pass
NVNT	ANT1	802.11g	2437.00	-13.53	N/A	-10.00	-23.52	8	Pass
NVNT	ANT1	802.11g	2462.00	-15.73	N/A	-10.00	-25.73	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-10.19	N/A	-10.00	-20.19	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-14.18	N/A	-10.00	-24.18	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-16.91	N/A	-10.00	-26.91	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-13.28	N/A	-10.00	-23.28	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-15.39	N/A	-10.00	-25.39	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-18.92	N/A	-10.00	-28.92	8	Pass

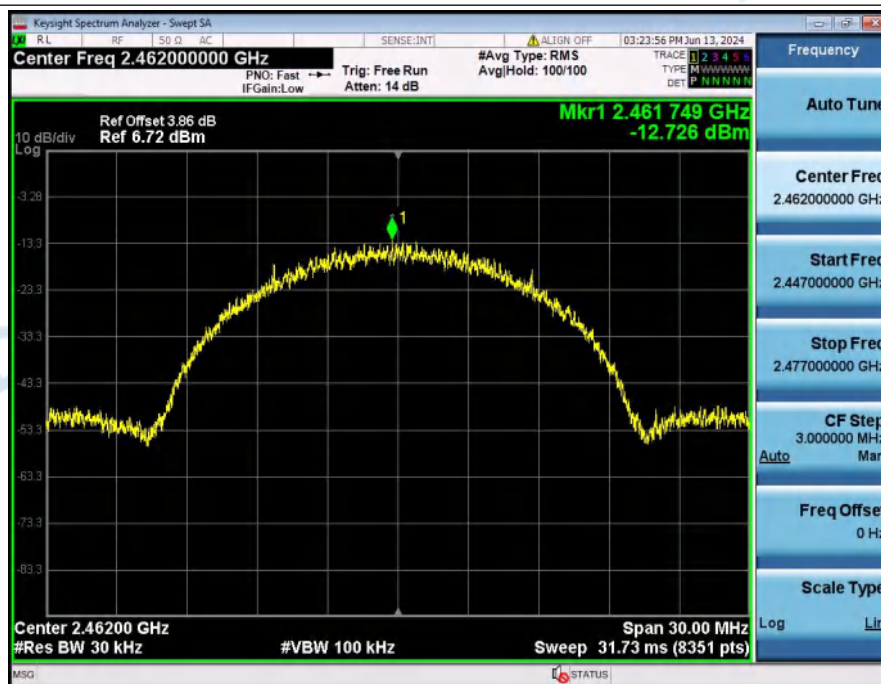
Power_Spectral_Density_NVNT_ANT1_802_11b_2412



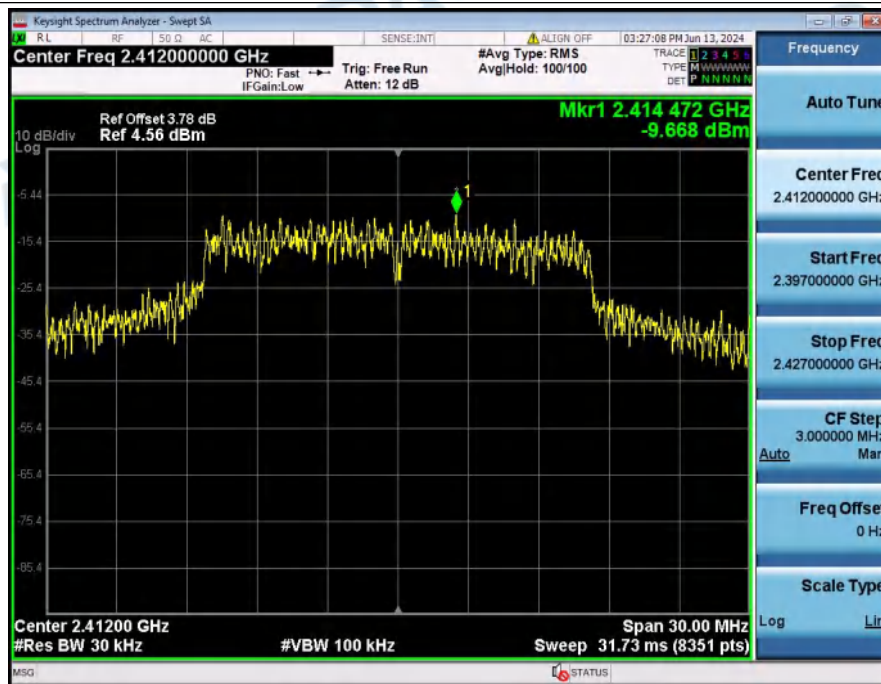
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



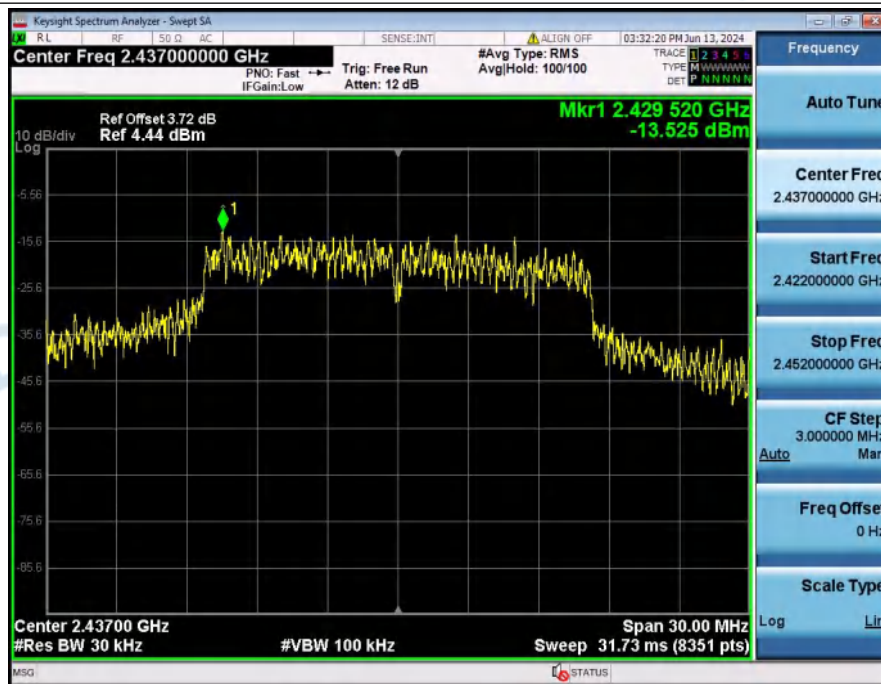
Power_Spectral_Density_NVNT_ANT1_802_11b_2462



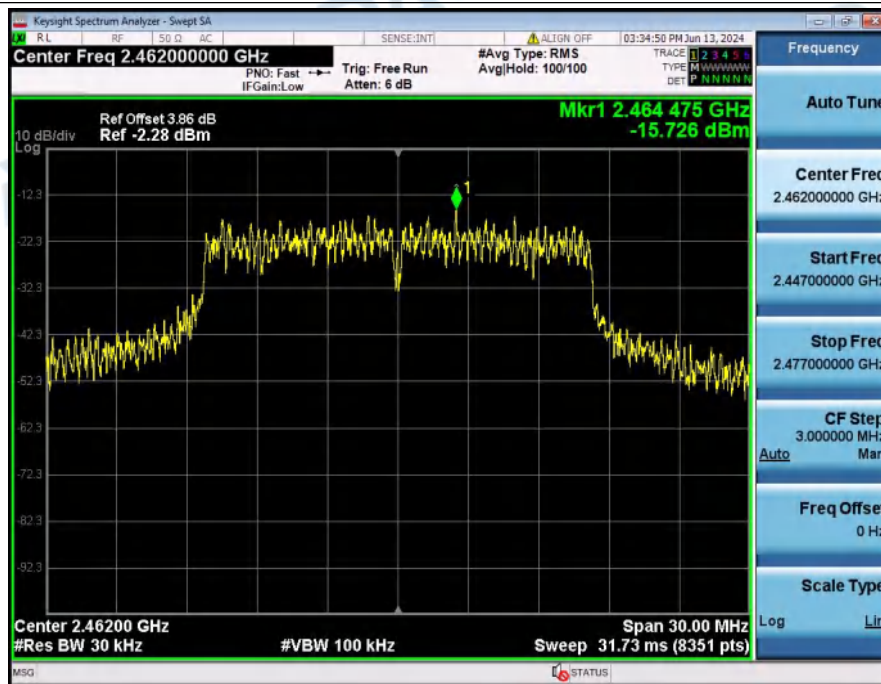
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



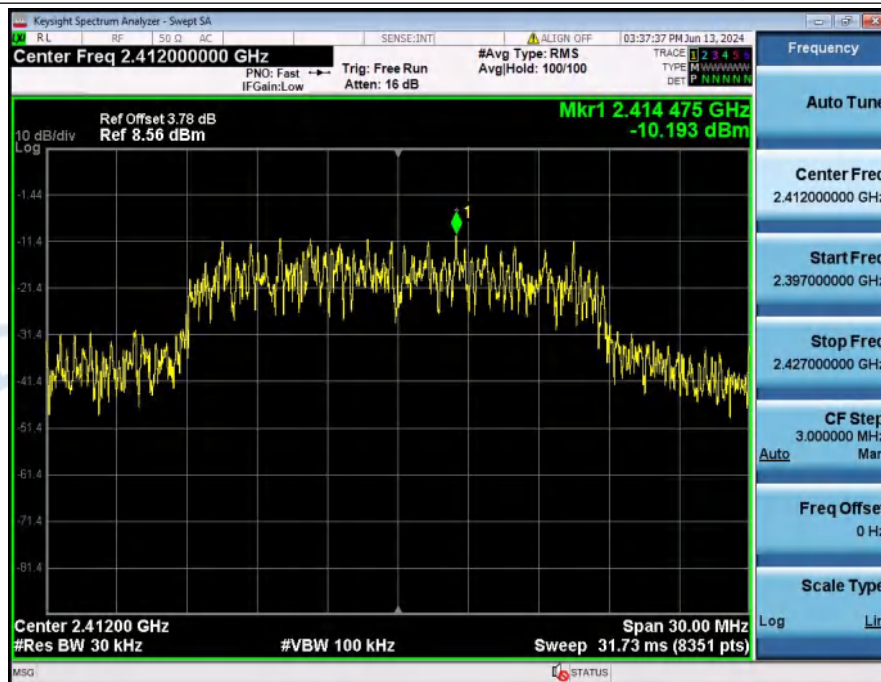
Power_Spectral_Density_NVNT_ANT1_802_11g_2437



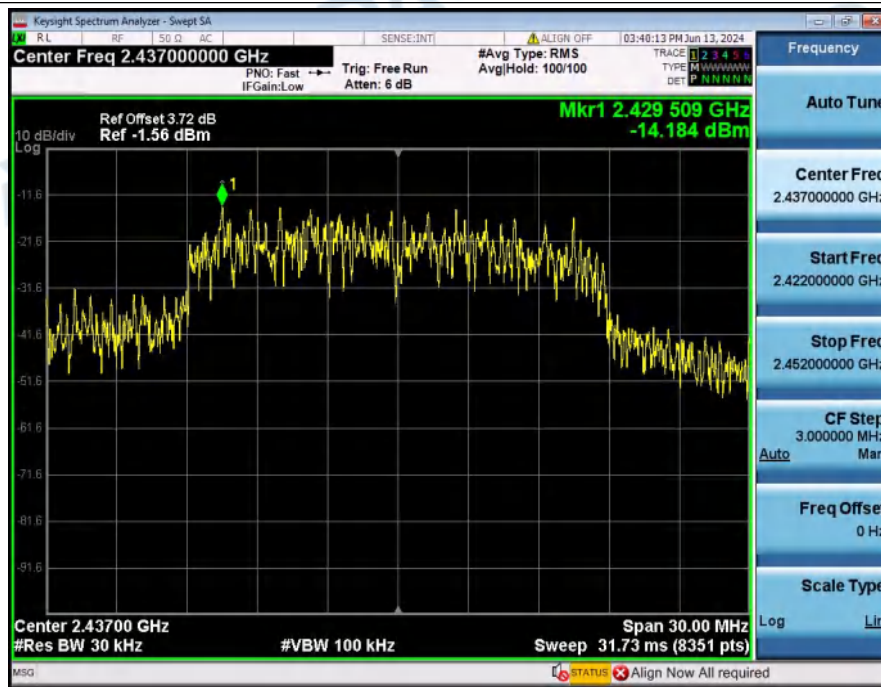
Power_Spectral_Density_NVNT_ANT1_802_11g_2462



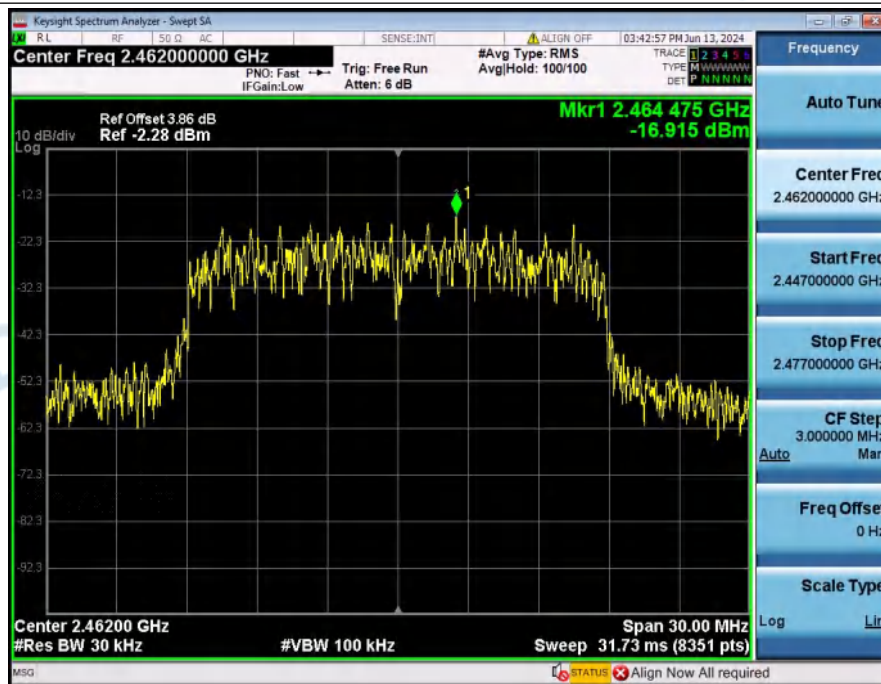
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



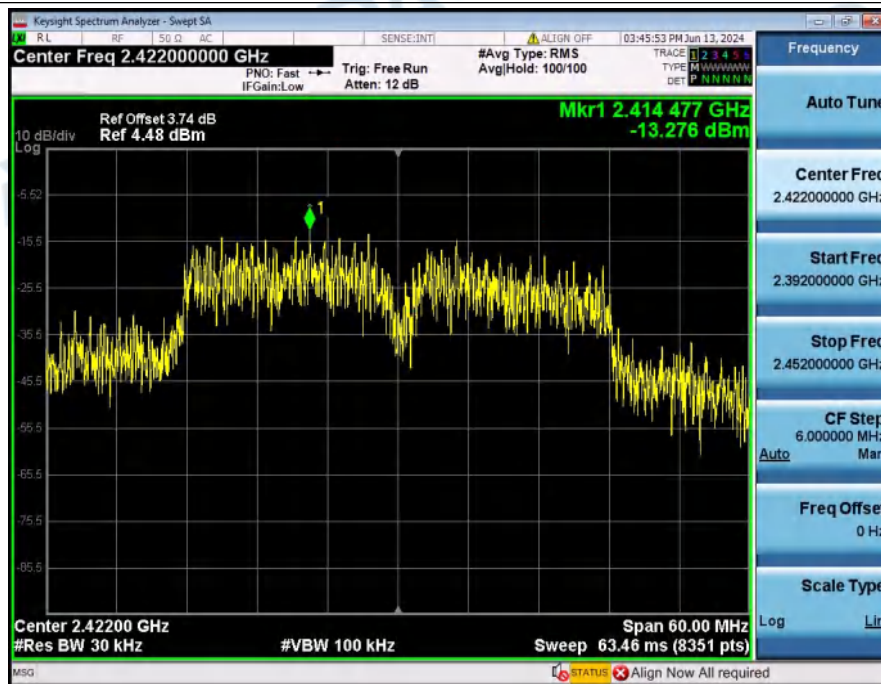
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



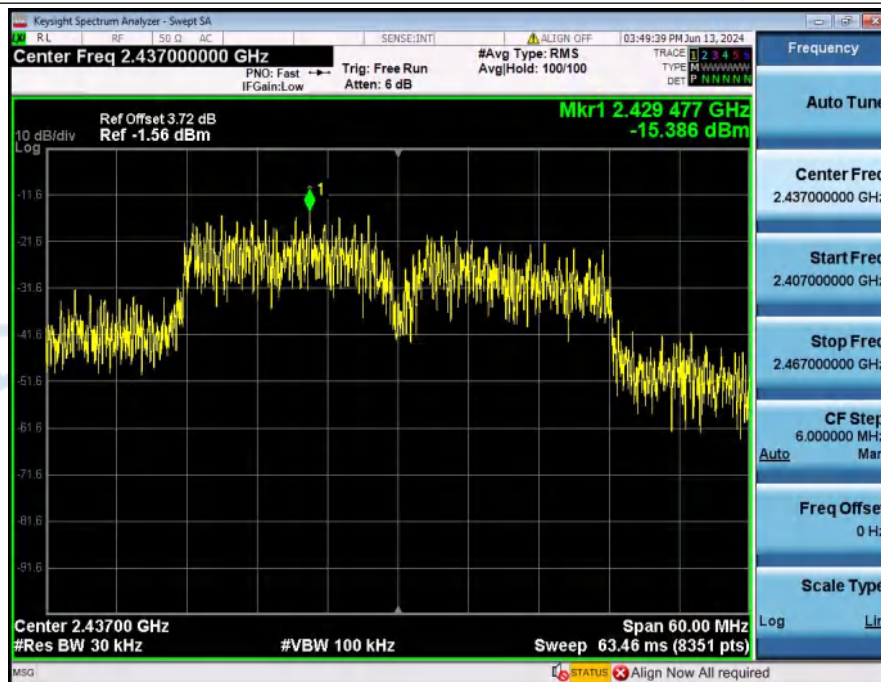
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



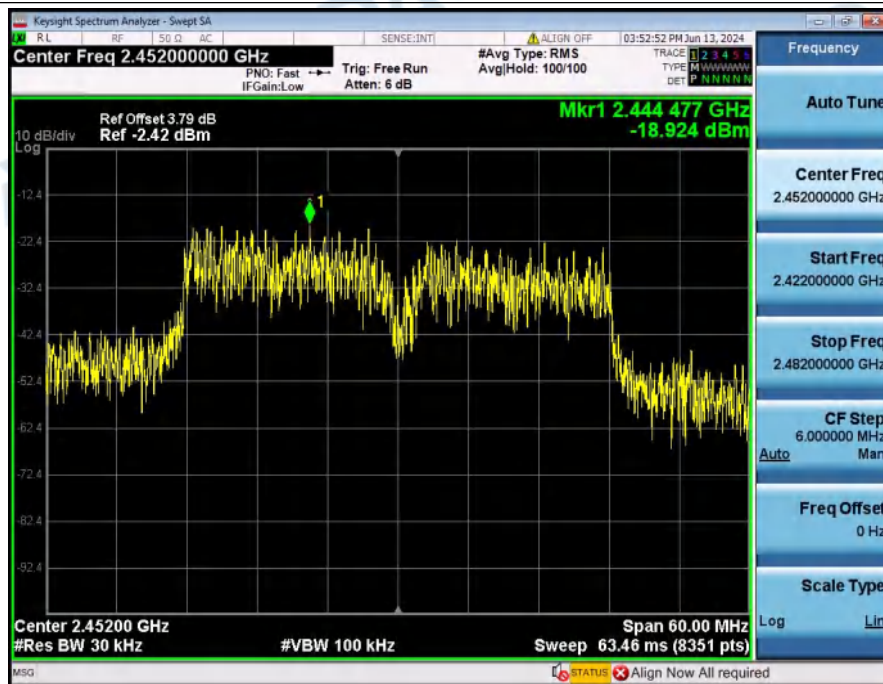
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.824	-32.400	-21.795	Pass
NVNT	ANT1	802.11b	2462.00	2486.992	-62.758	-27.211	Pass
NVNT	ANT1	802.11g	2412.00	2399.152	-28.498	-25.173	Pass
NVNT	ANT1	802.11g	2462.00	2483.920	-52.381	-30.573	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2397.024	-25.434	-24.373	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.872	-55.429	-31.654	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2394.480	-29.450	-28.798	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-43.657	-32.986	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412



2_Bandedge_NVNT_ANT1_802_11b_2412



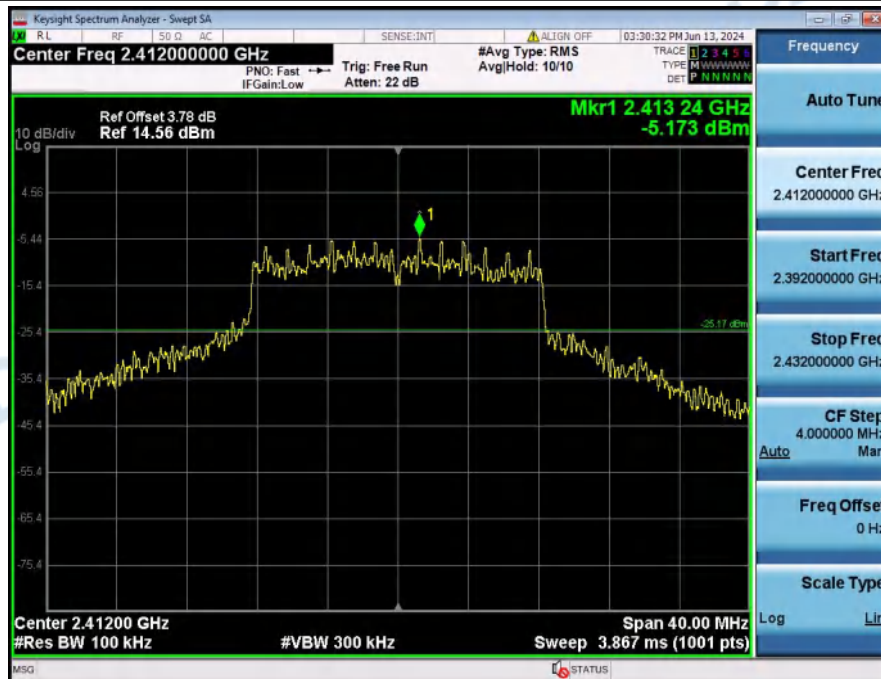
1_Reference_Level_NVNT_ANT1_802_11b_2462



2_Bandedge_NVNT_ANT1_802_11b_2462



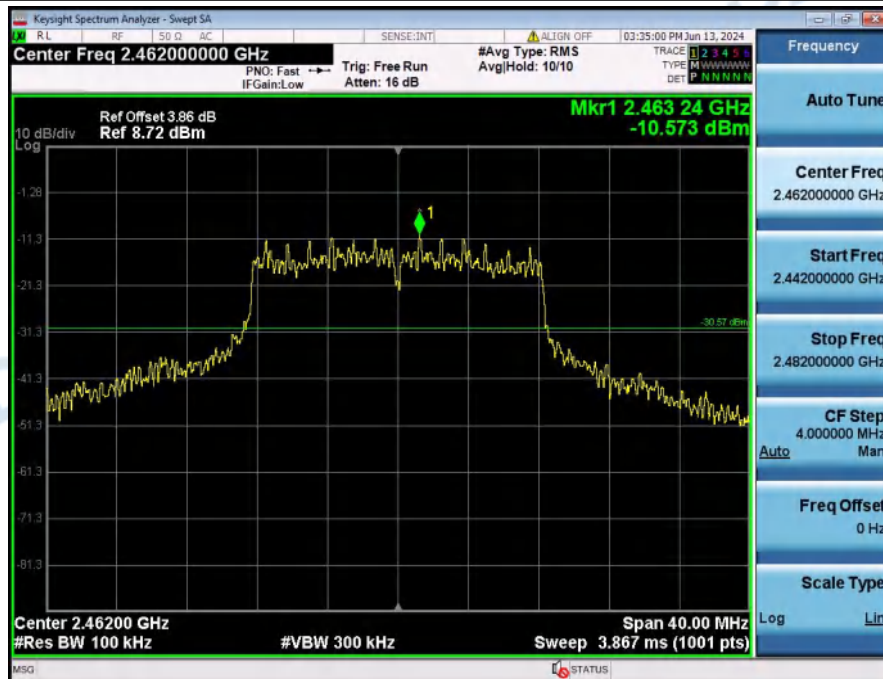
1_Reference_Level_NVNT_ANT1_802_11g_2412



2_Bandedge_NVNT_ANT1_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2462



2_Bandedge_NVNT_ANT1_802_11g_2462



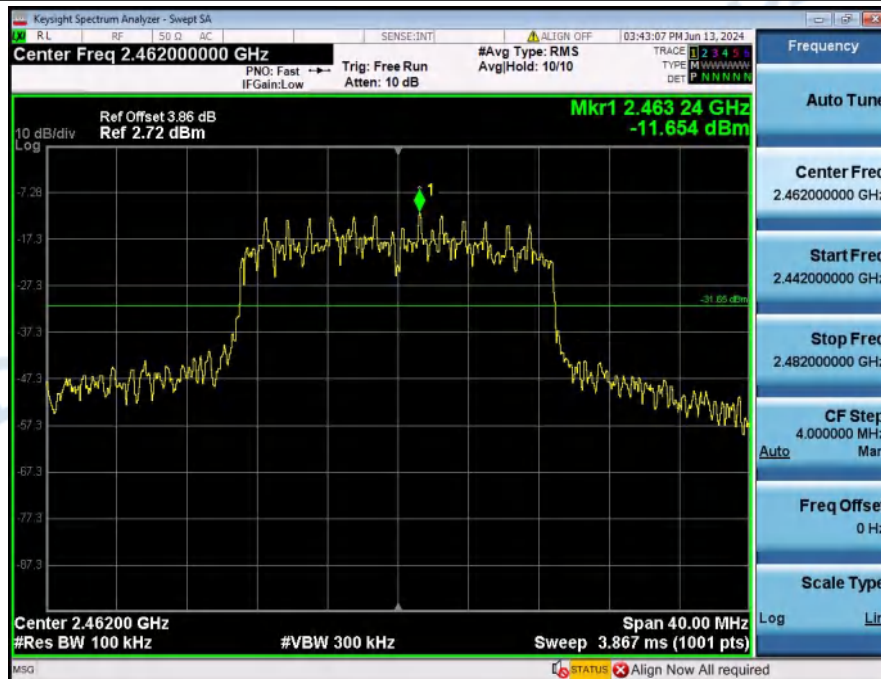
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



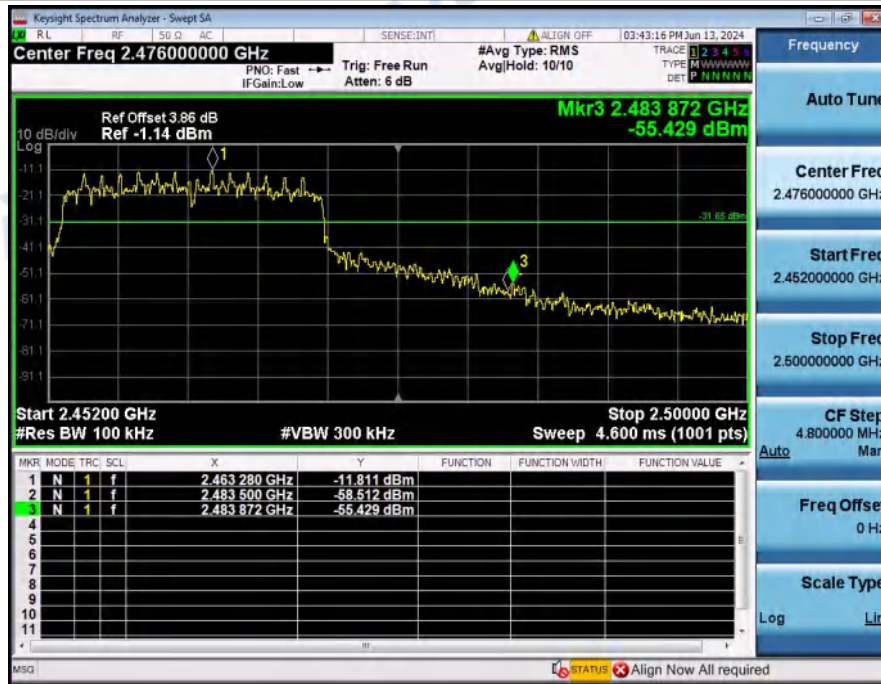
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



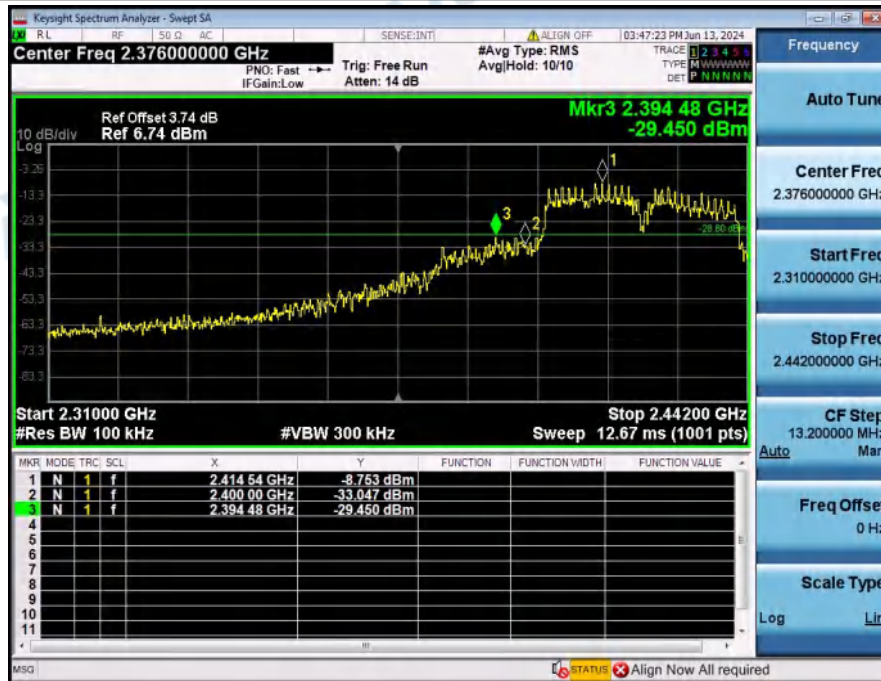
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



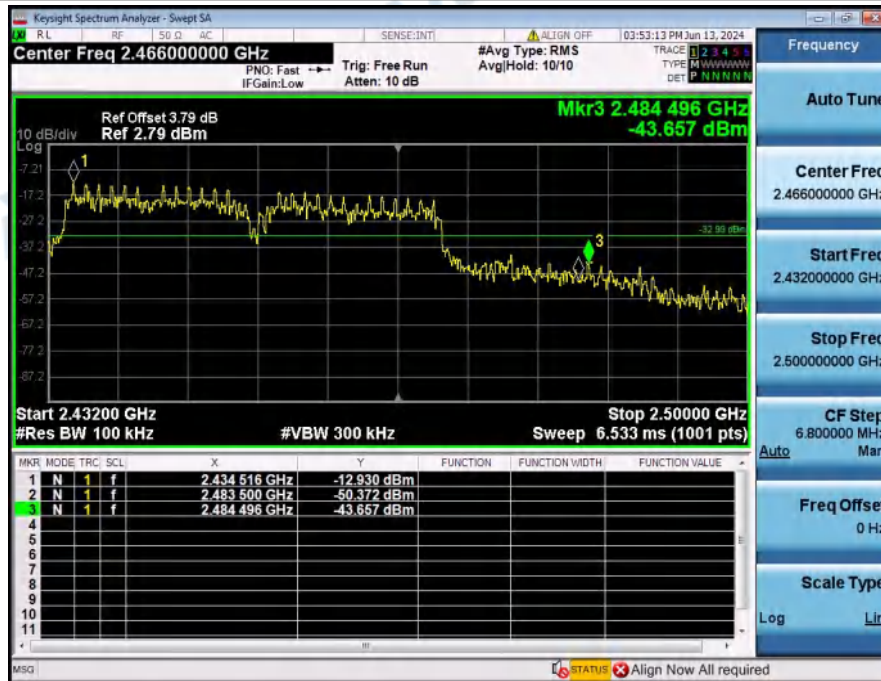
2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452



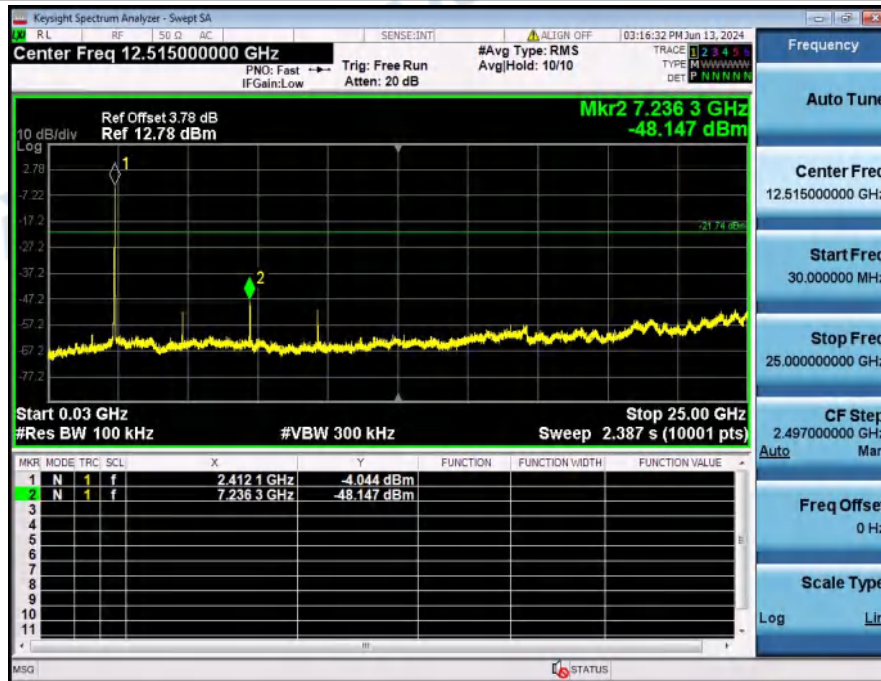
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	7236.342	-48.147	-21.737	Pass
NVNT	ANT1	802.11b	2437.00	9748.324	-48.435	-27.114	Pass
NVNT	ANT1	802.11b	2462.00	7386.162	-52.209	-27.211	Pass
NVNT	ANT1	802.11g	2412.00	7236.342	-45.839	-24.168	Pass
NVNT	ANT1	802.11g	2437.00	7313.749	-48.340	-27.904	Pass
NVNT	ANT1	802.11g	2462.00	5178.814	-55.180	-30.573	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	7238.839	-49.060	-24.373	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	7313.749	-49.334	-27.785	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	5178.814	-55.759	-31.654	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	7256.318	-51.105	-27.797	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	7296.270	-52.773	-29.887	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2502.030	-57.228	-32.986	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412



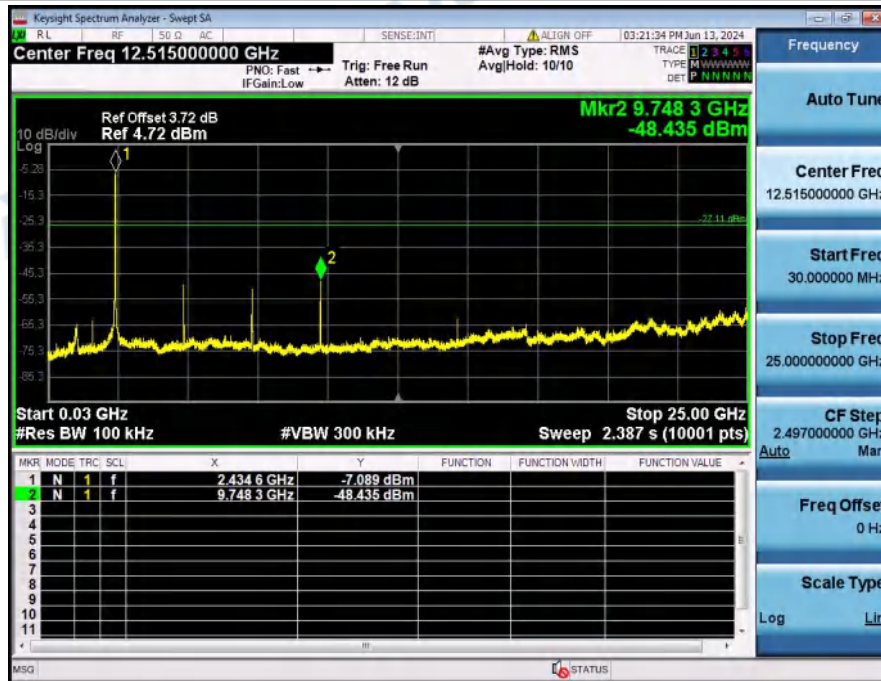
2_Spurious_Emission_NVNT_ANT1_802_11b_2412



1_Reference_Level_NVNT_ANT1_802_11b_2437



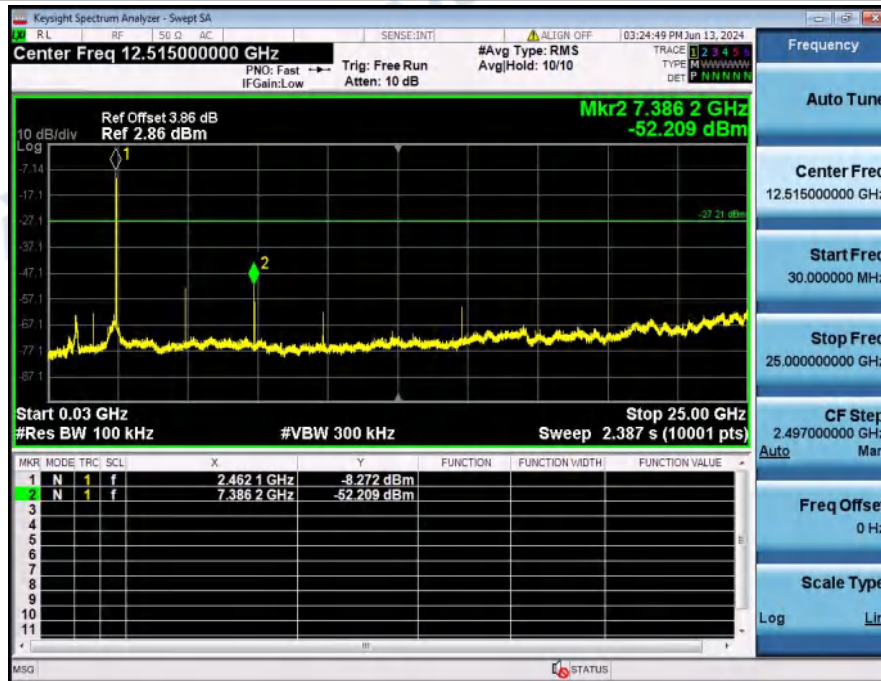
2_Spurious_Emission_NVNT_ANT1_802_11b_2437



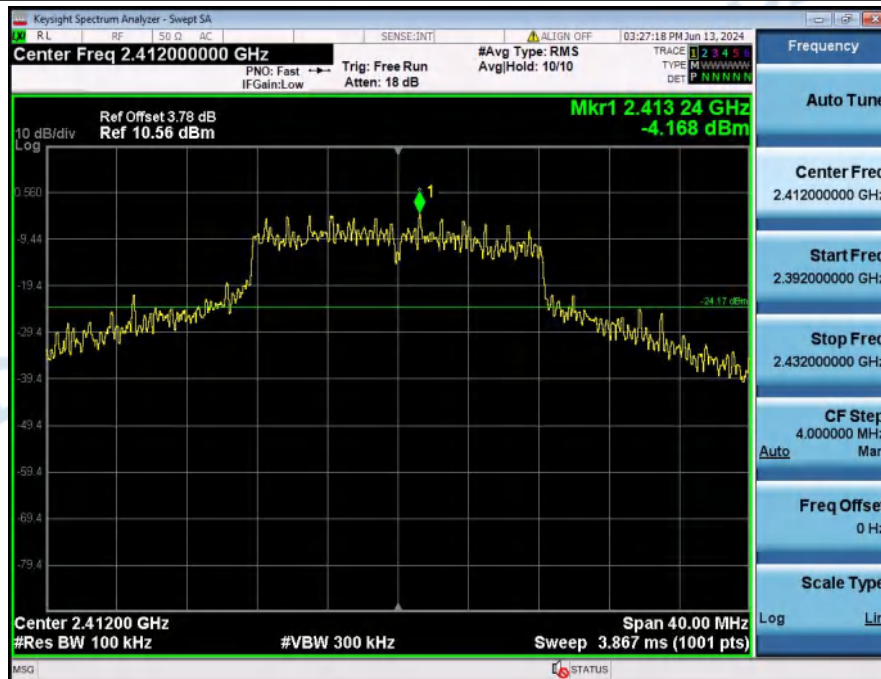
1_Reference_Level_NVNT_ANT1_802_11b_2462



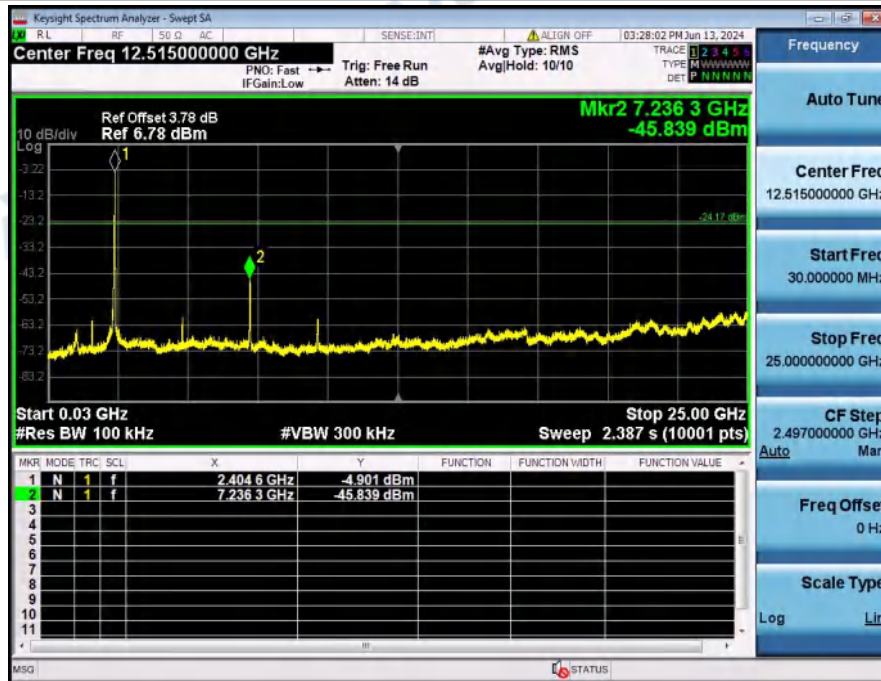
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



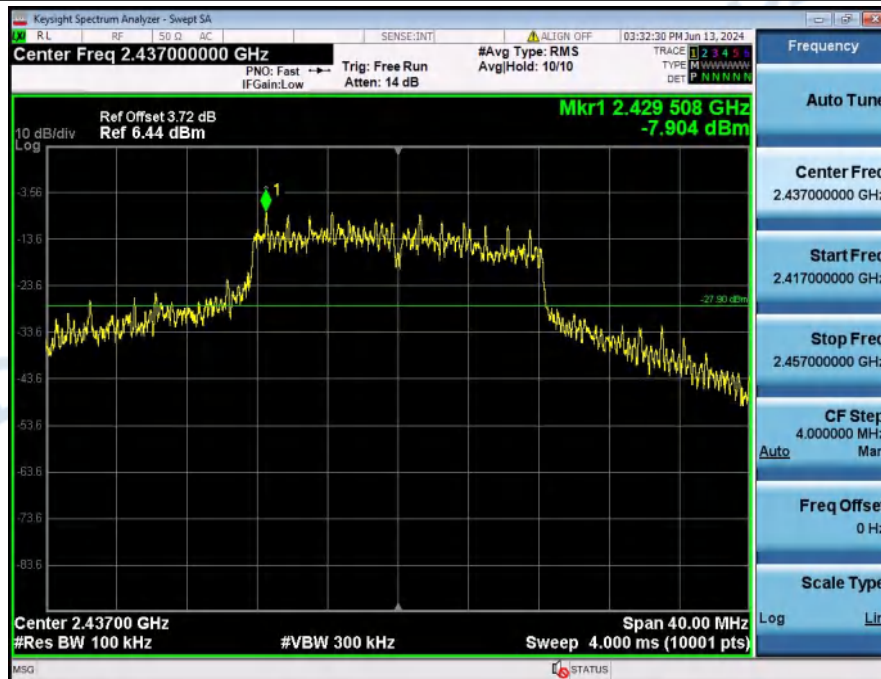
1_Reference_Level_NVNT_ANT1_802_11g_2412



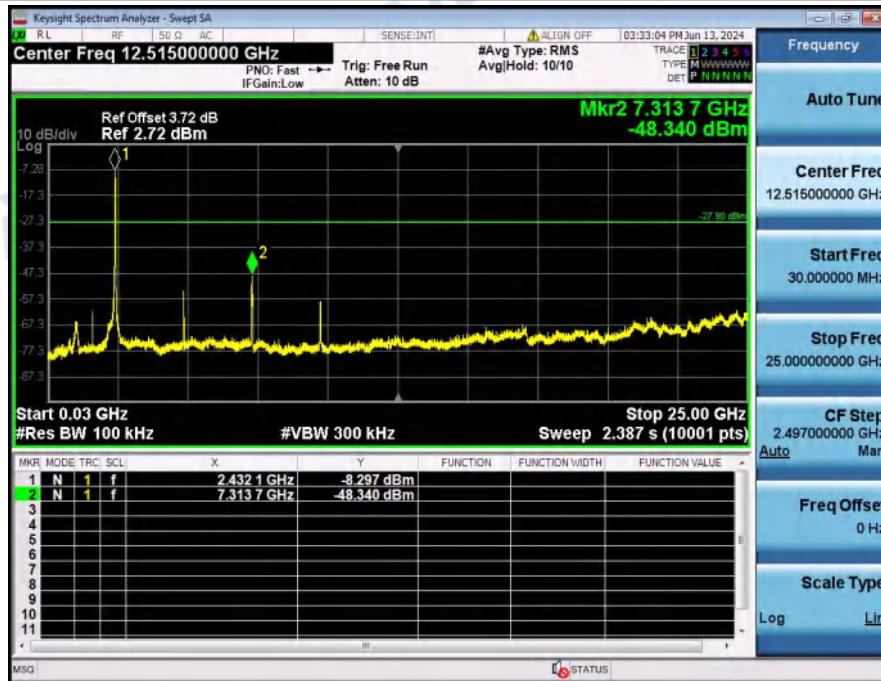
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



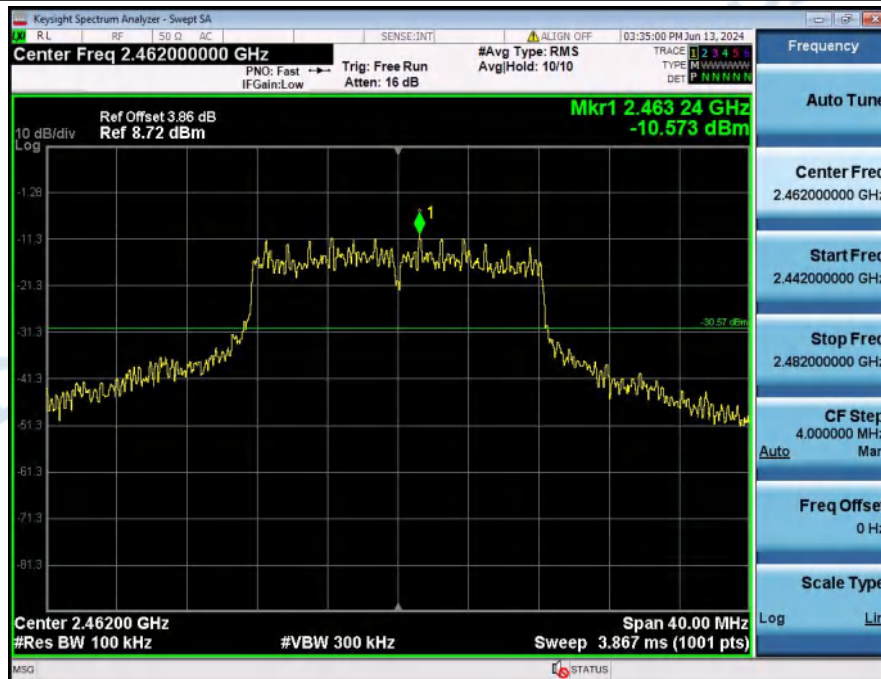
1_Reference_Level_NVNT_ANT1_802_11g_2437



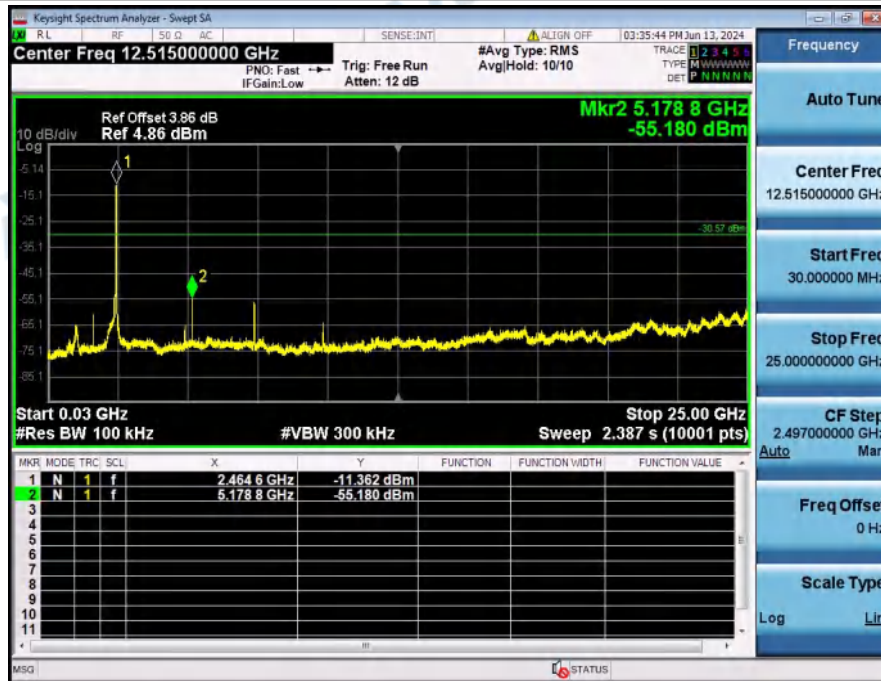
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



1_Reference_Level_NVNT_ANT1_802_11g_2462



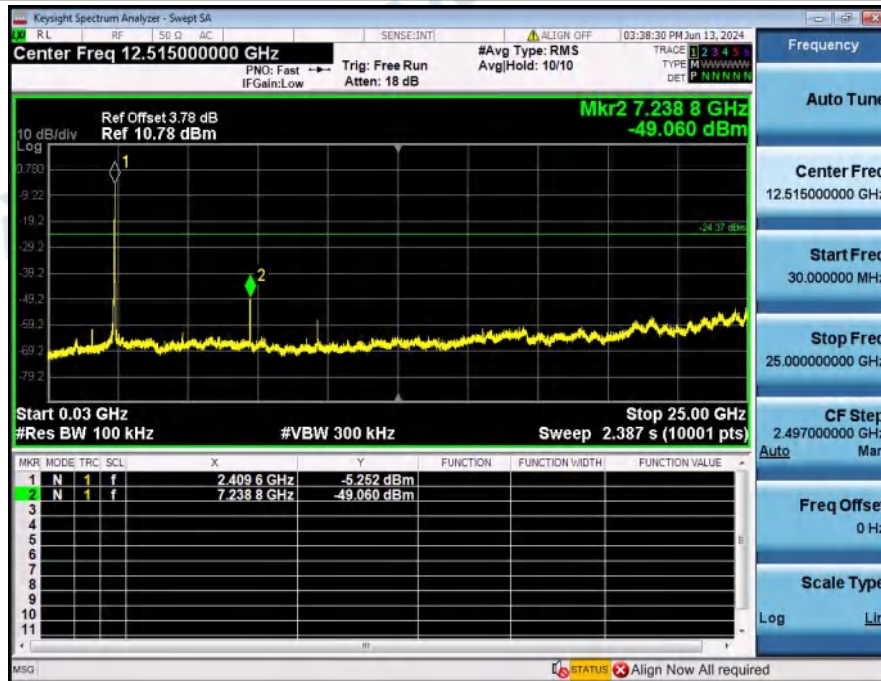
2_Spurious_Emission_NVNT_ANT1_802_11g_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



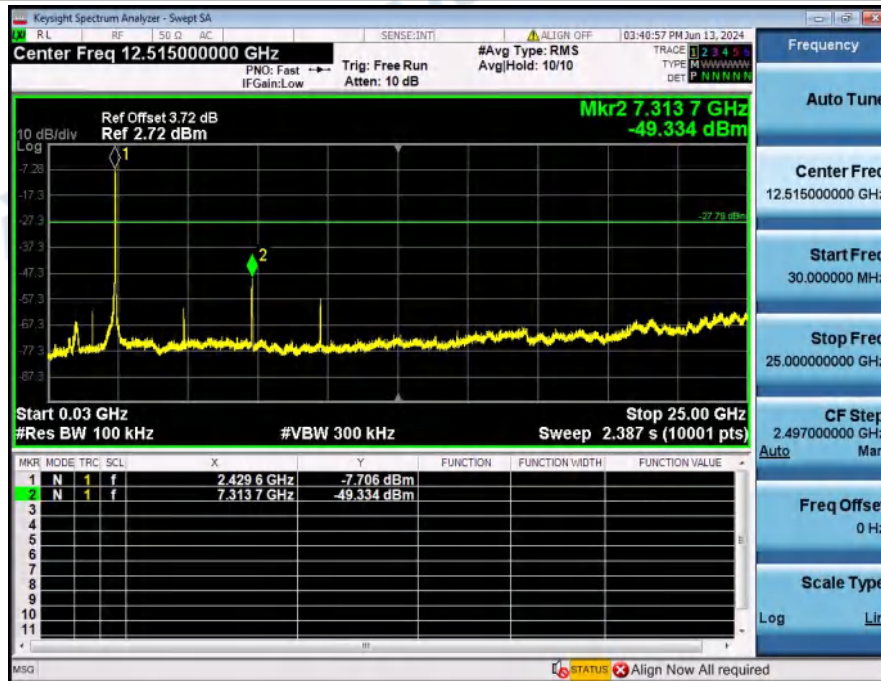
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



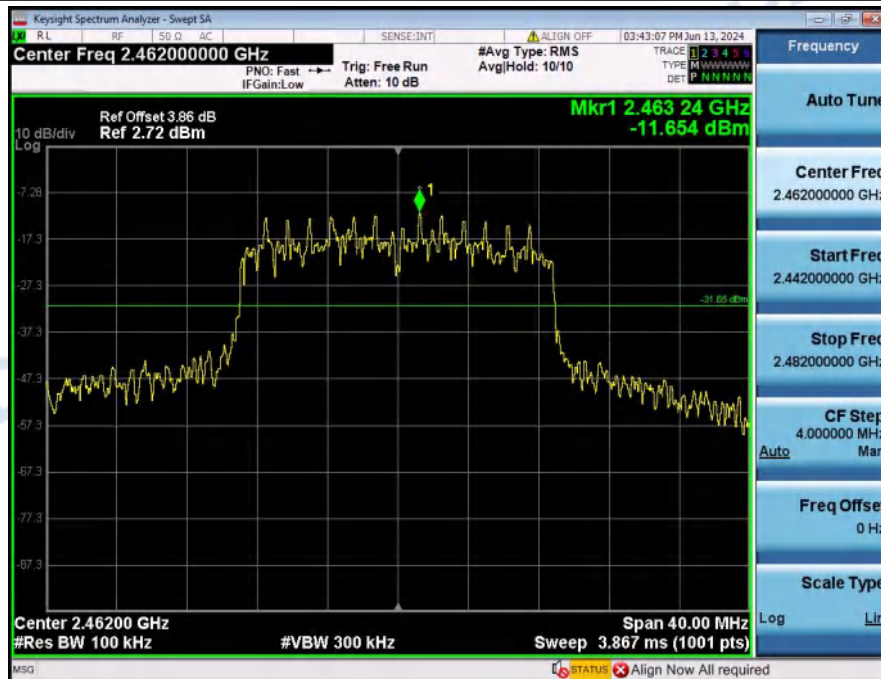
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437



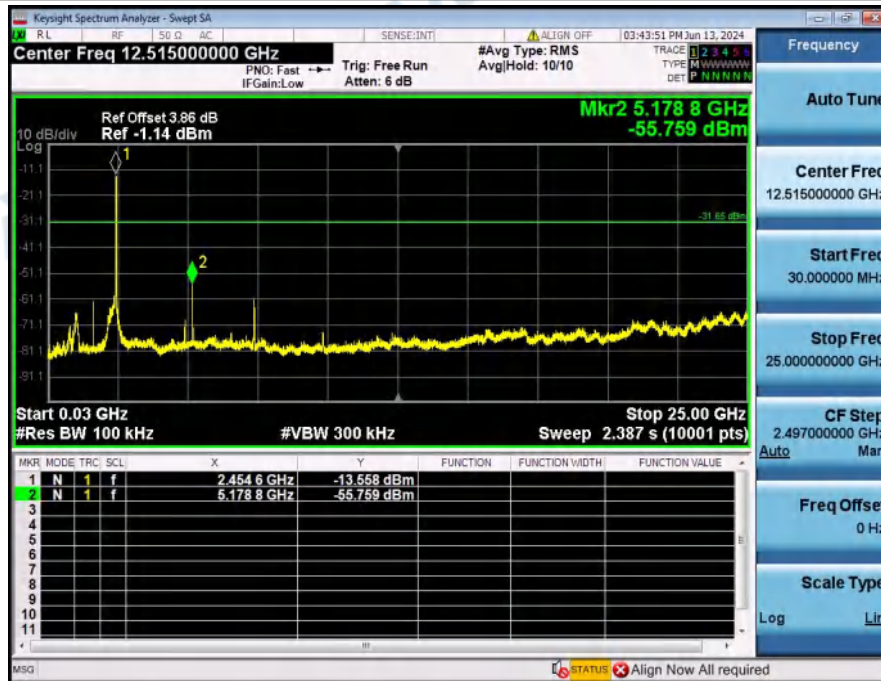
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



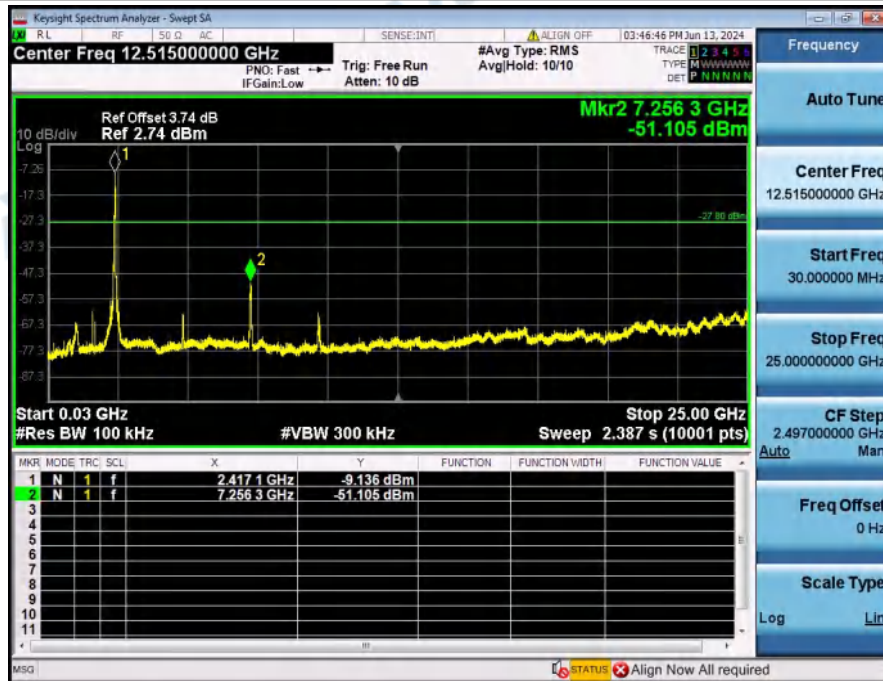
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



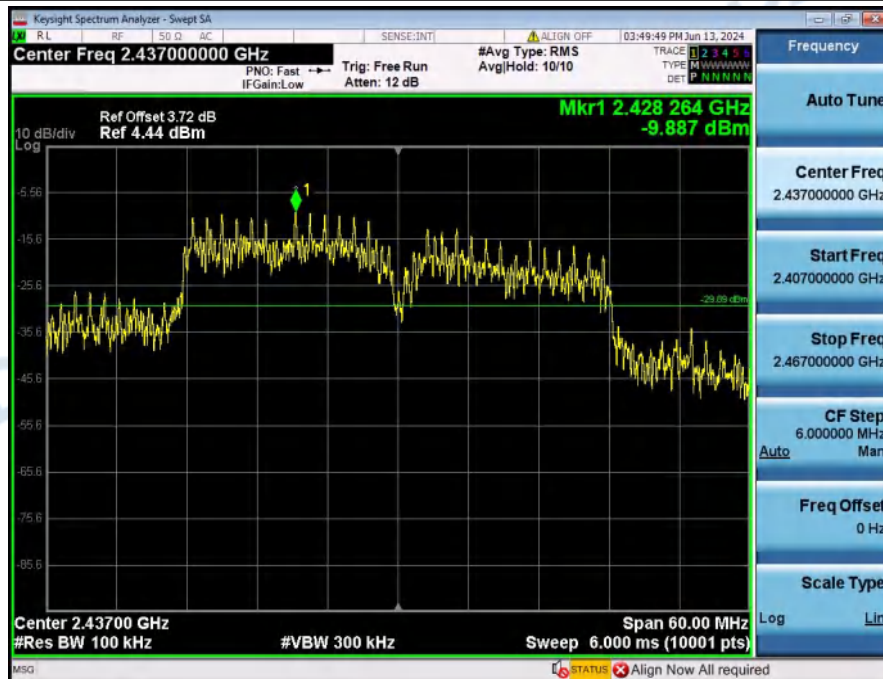
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



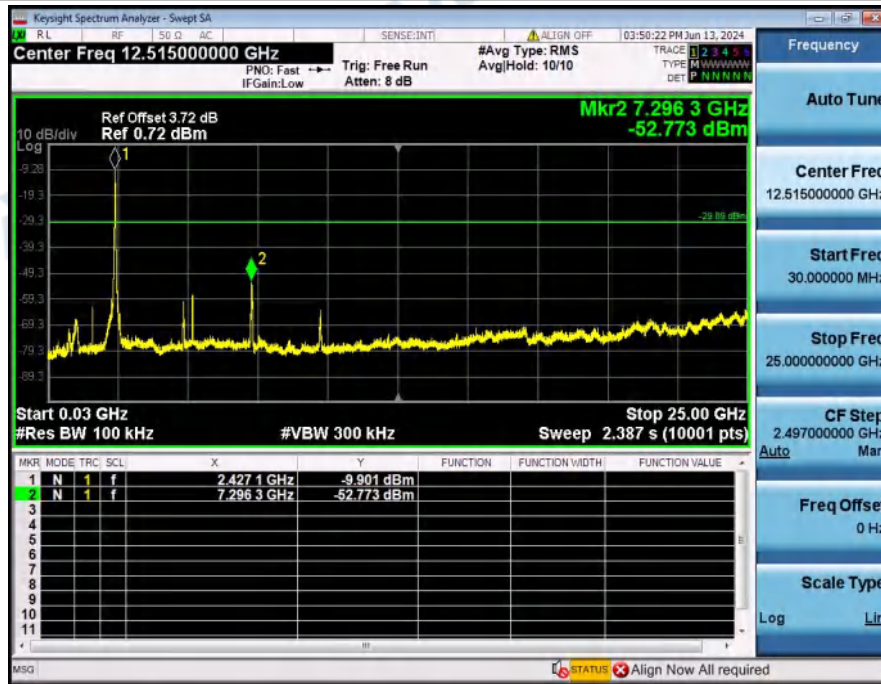
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



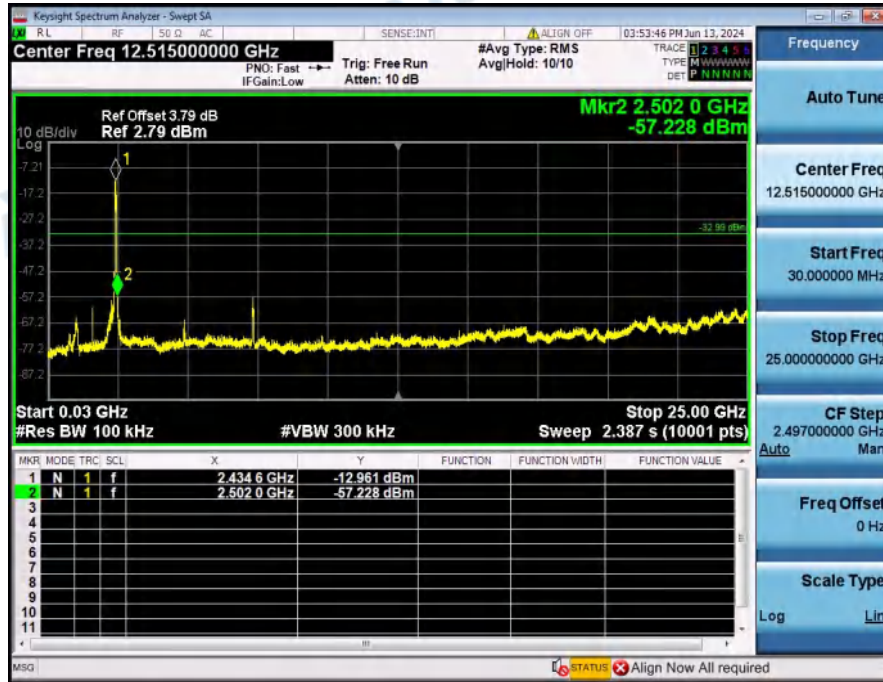
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452



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