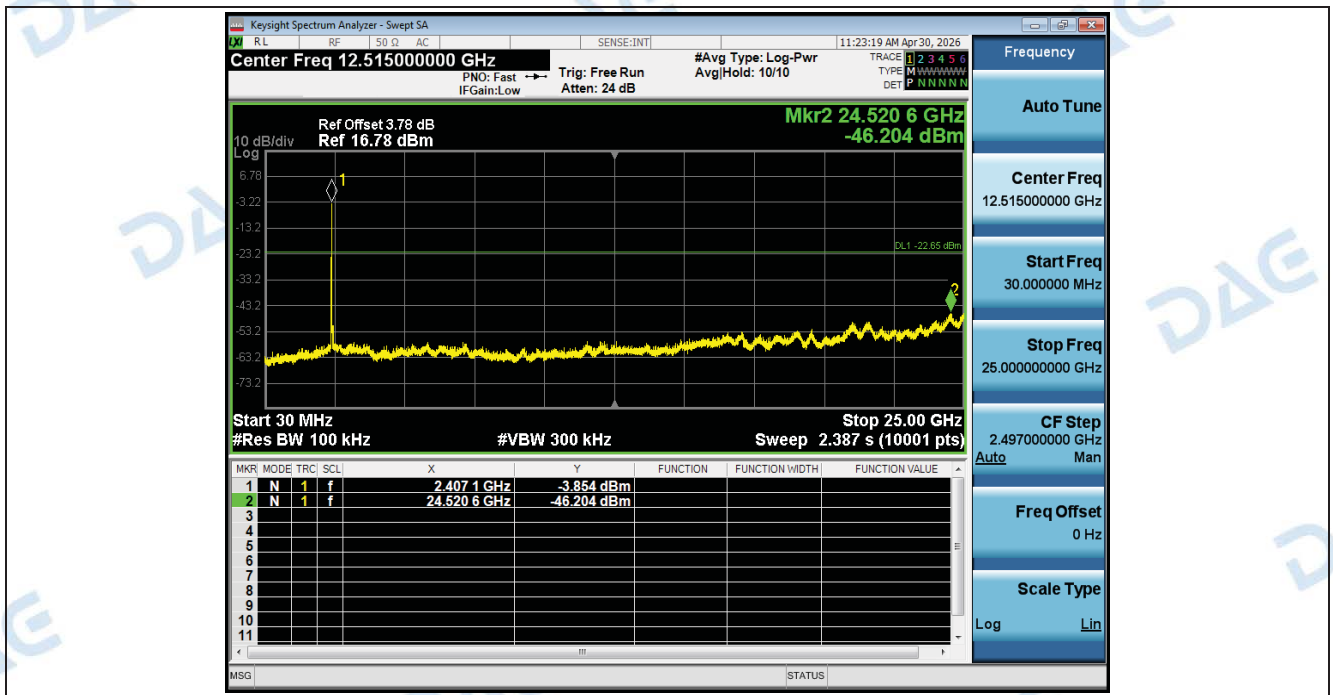
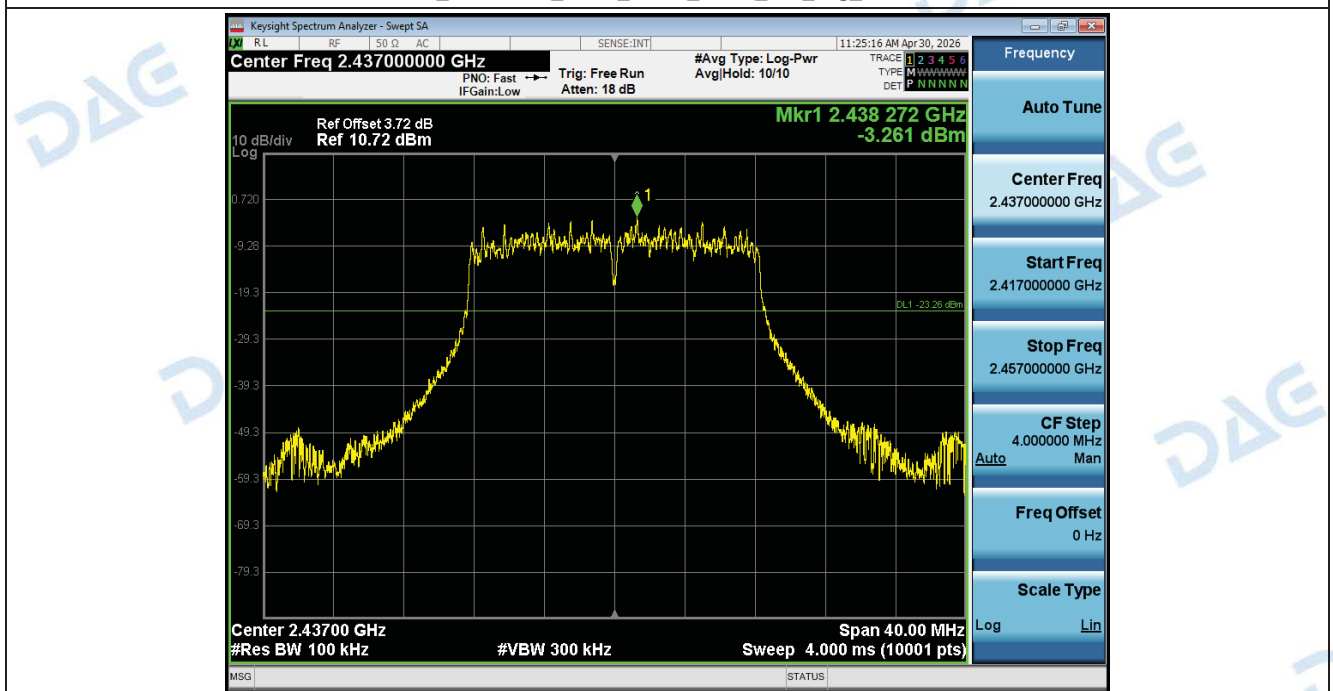
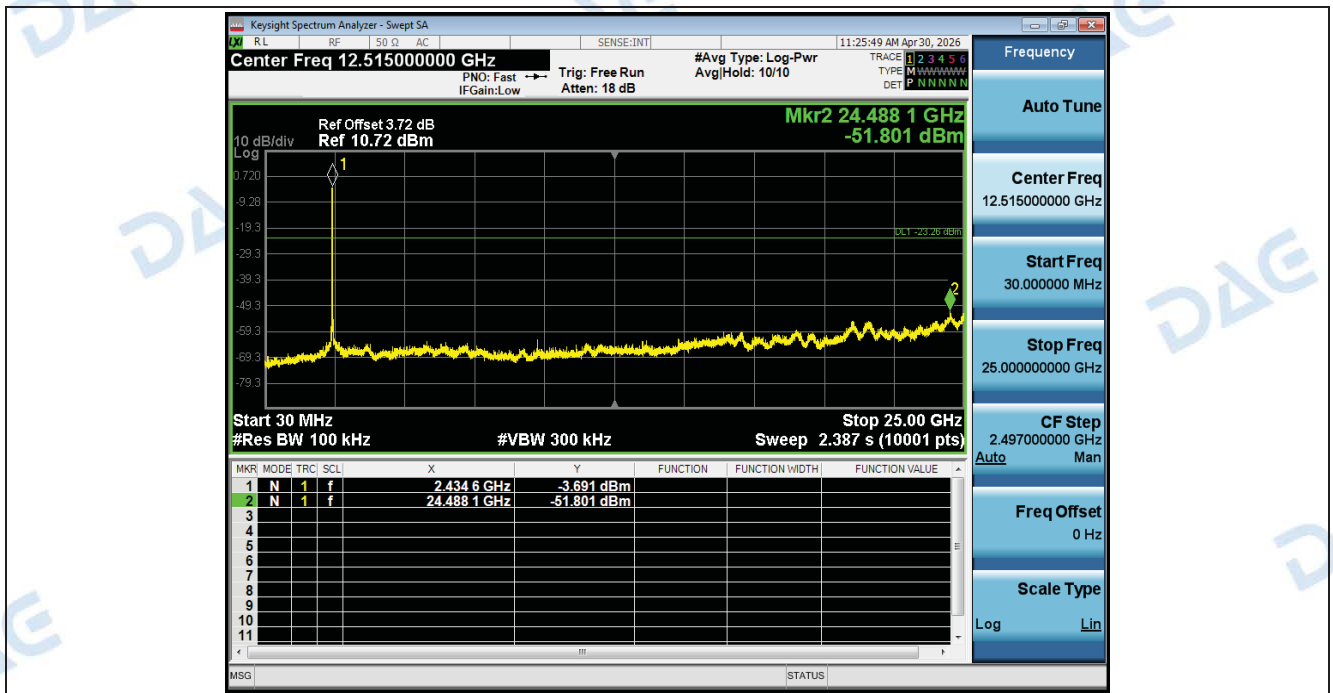




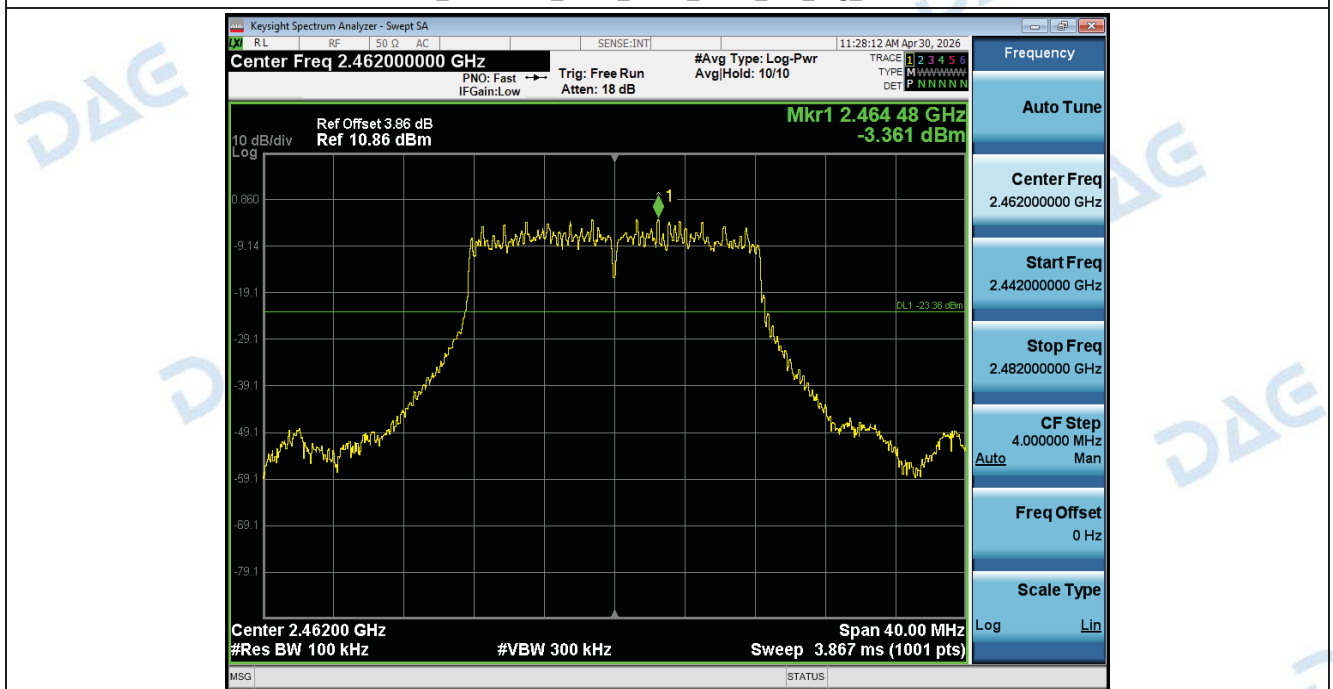
1_Reference_Level_NVNT_ANT1_802_11g_2437



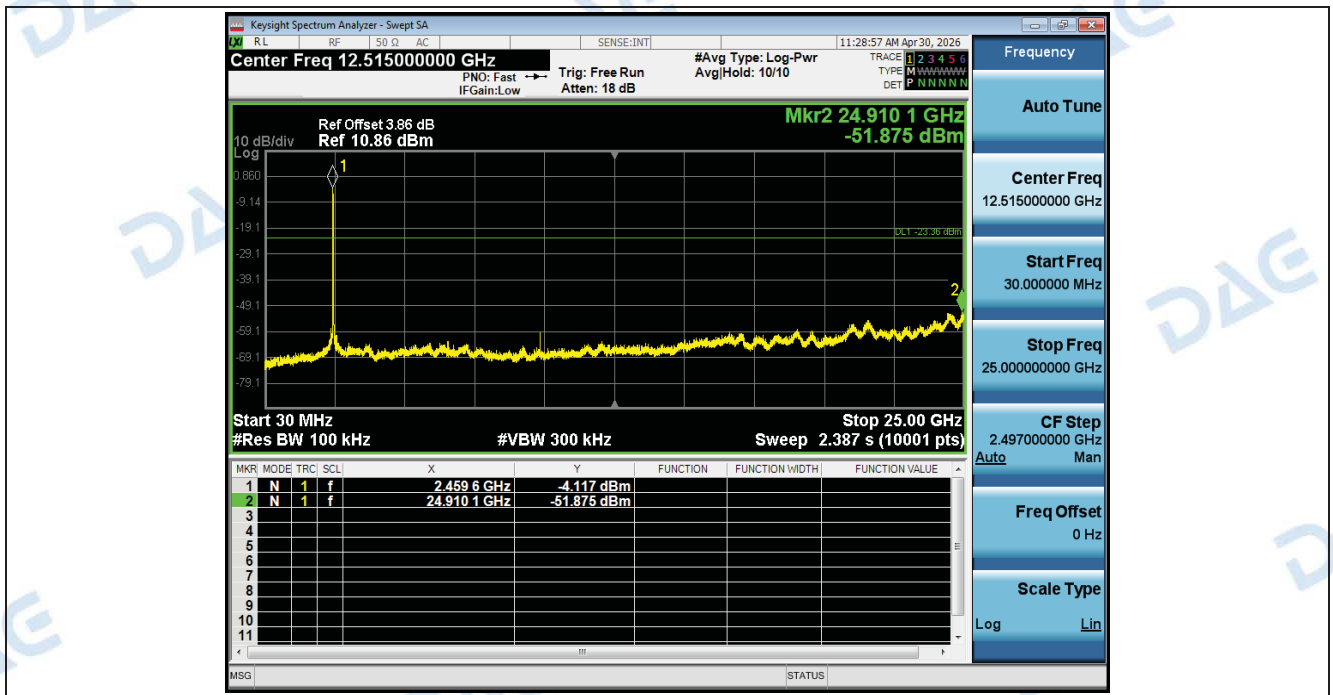
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



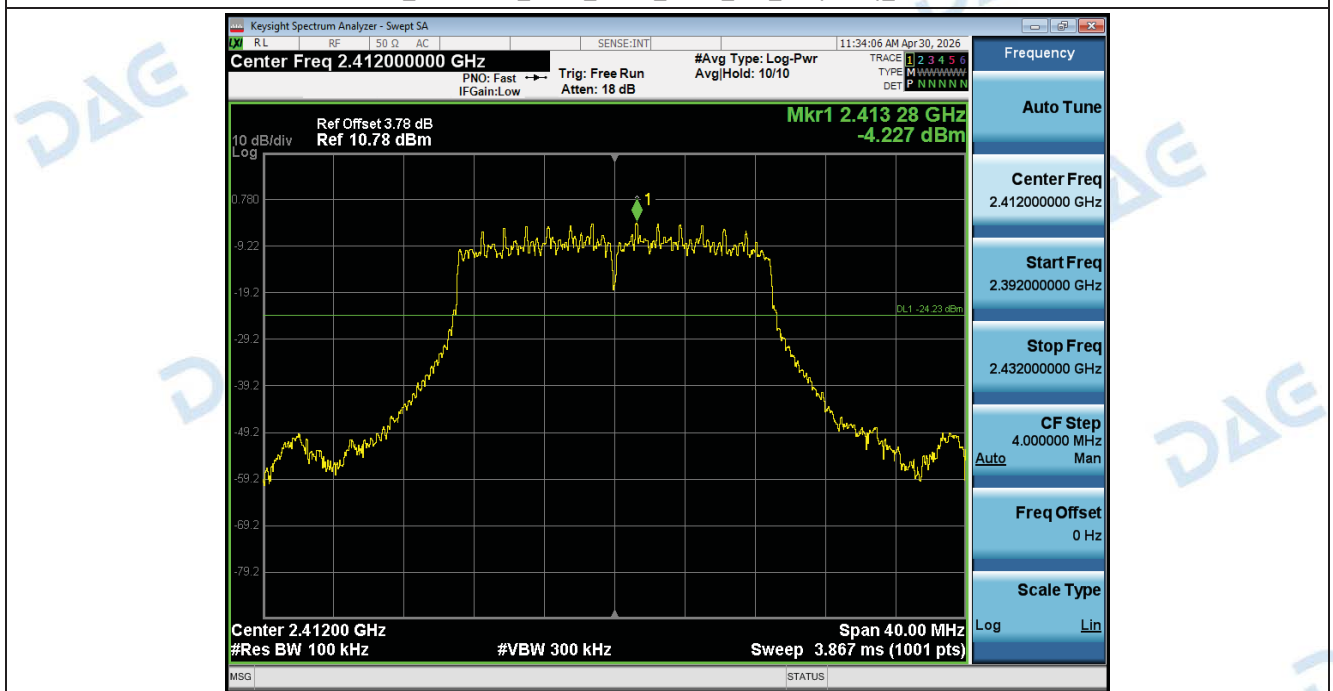
1_Reference_Level_NVNT_ANT1_802_11g_2462



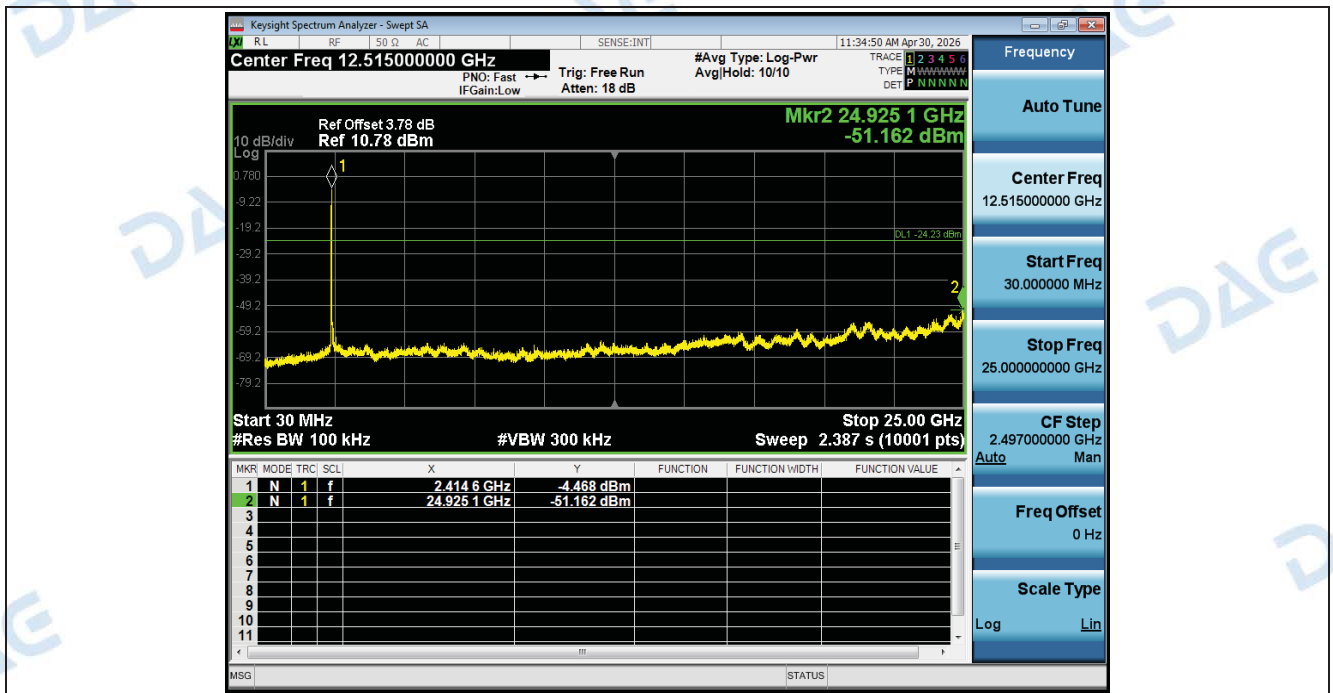
2_Spurious_Emission_NVNT_ANT1_802_11g_2462



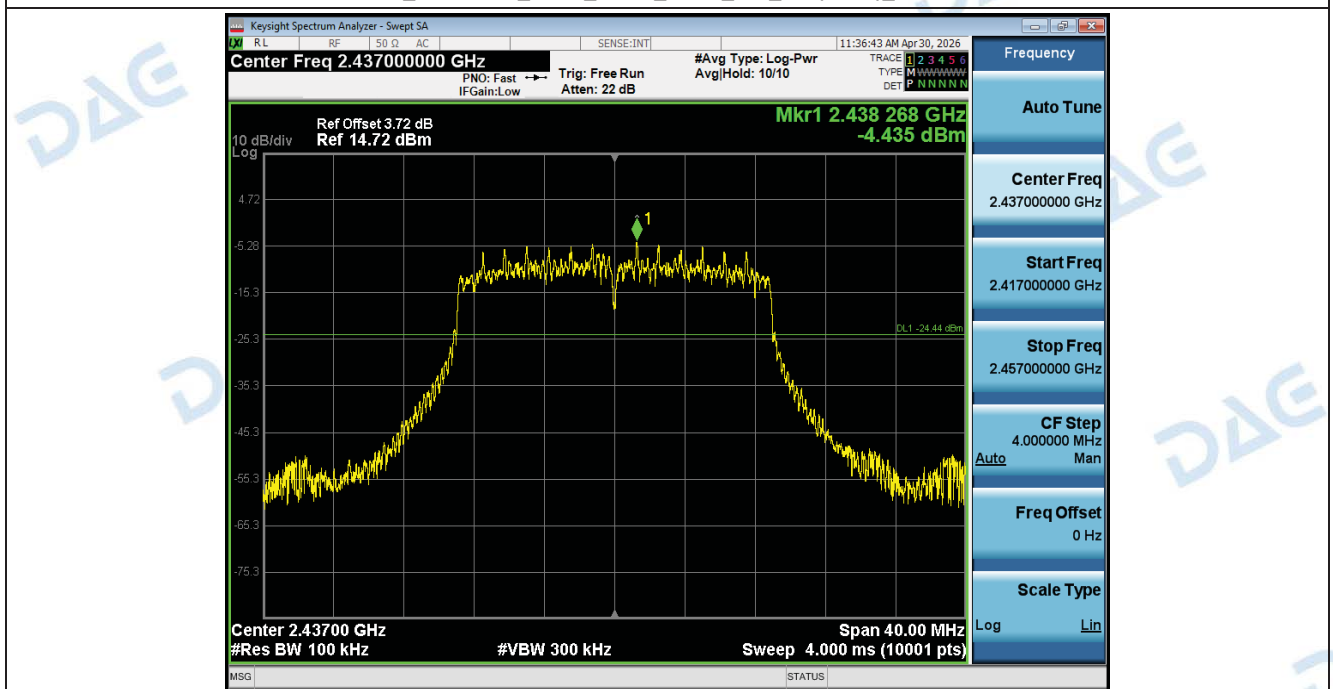
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



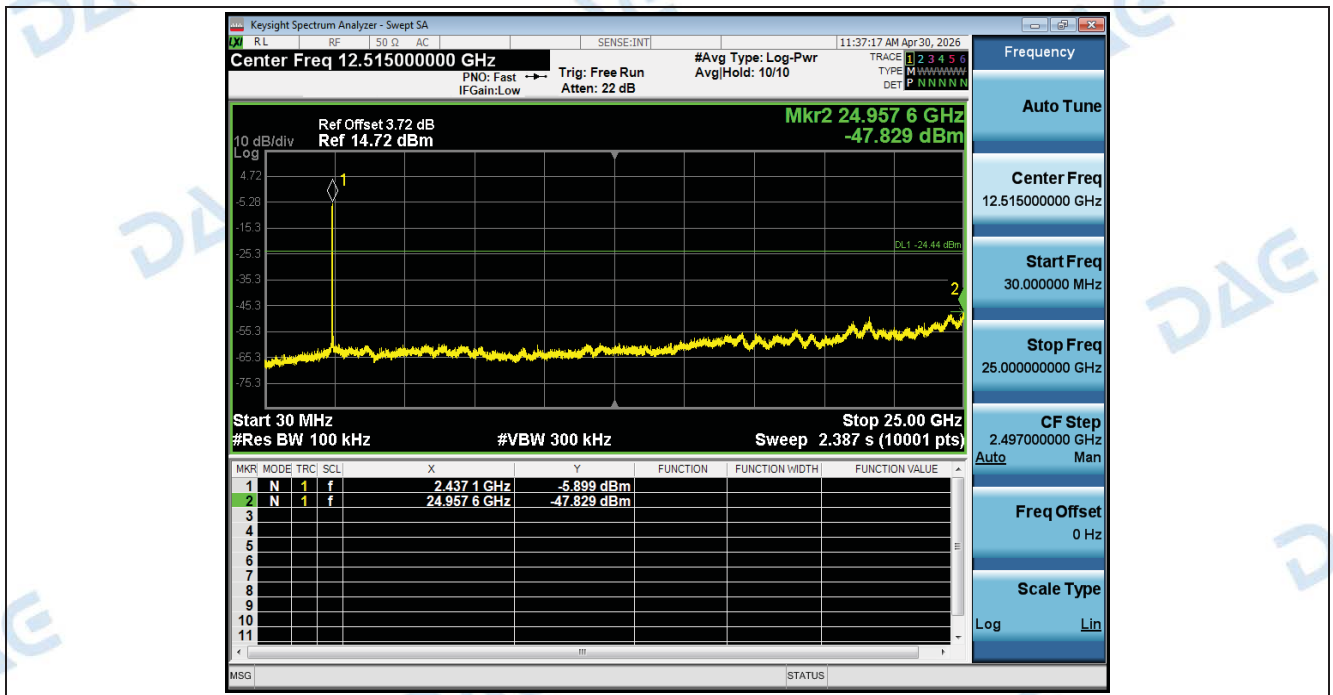
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



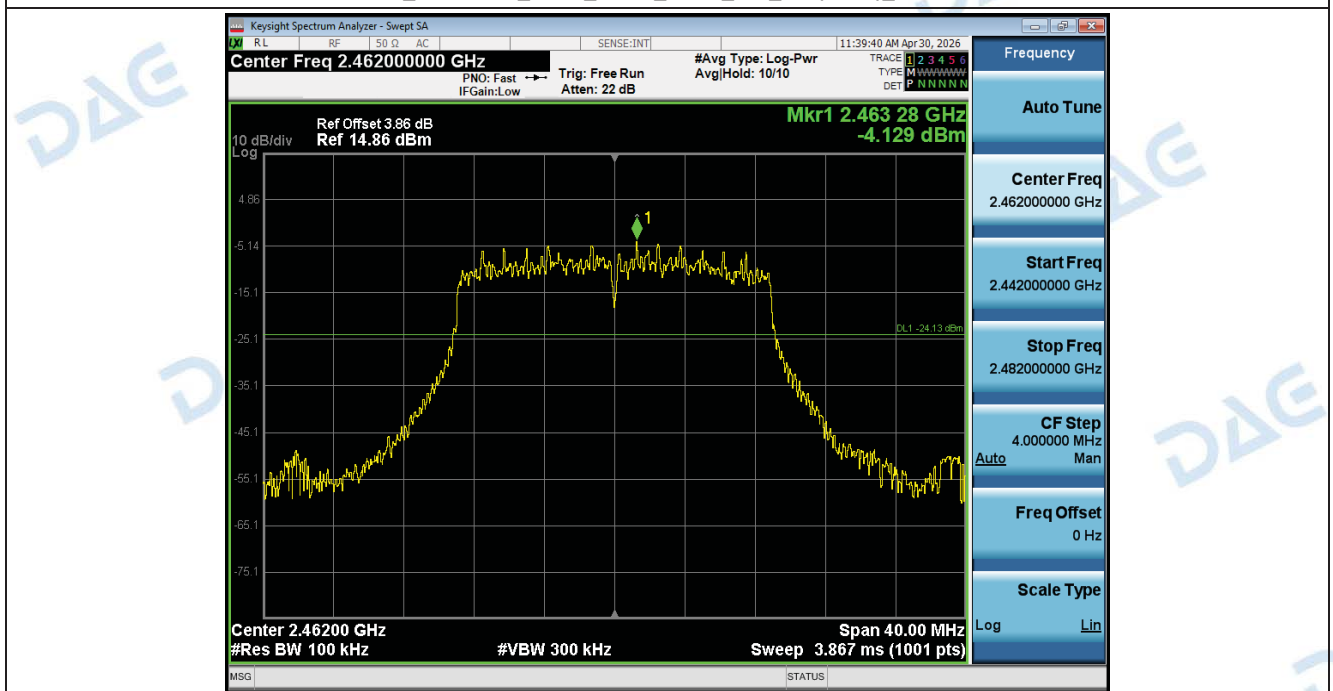
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437



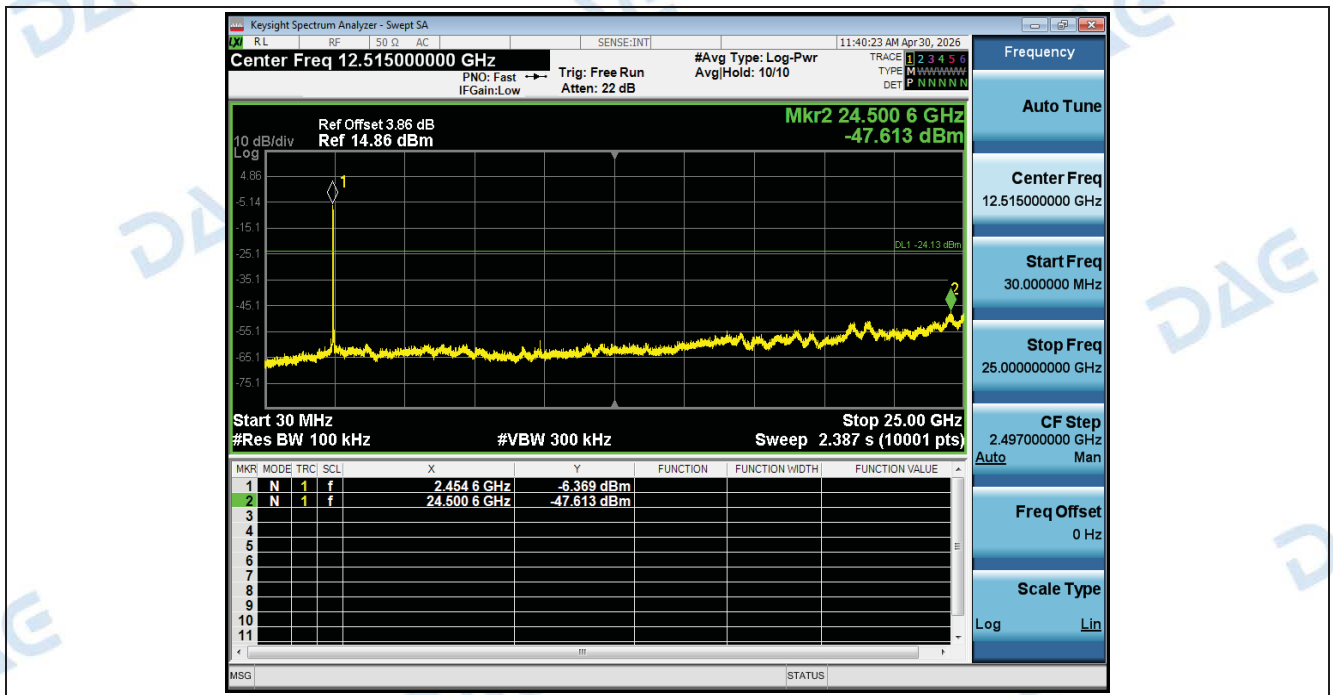
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



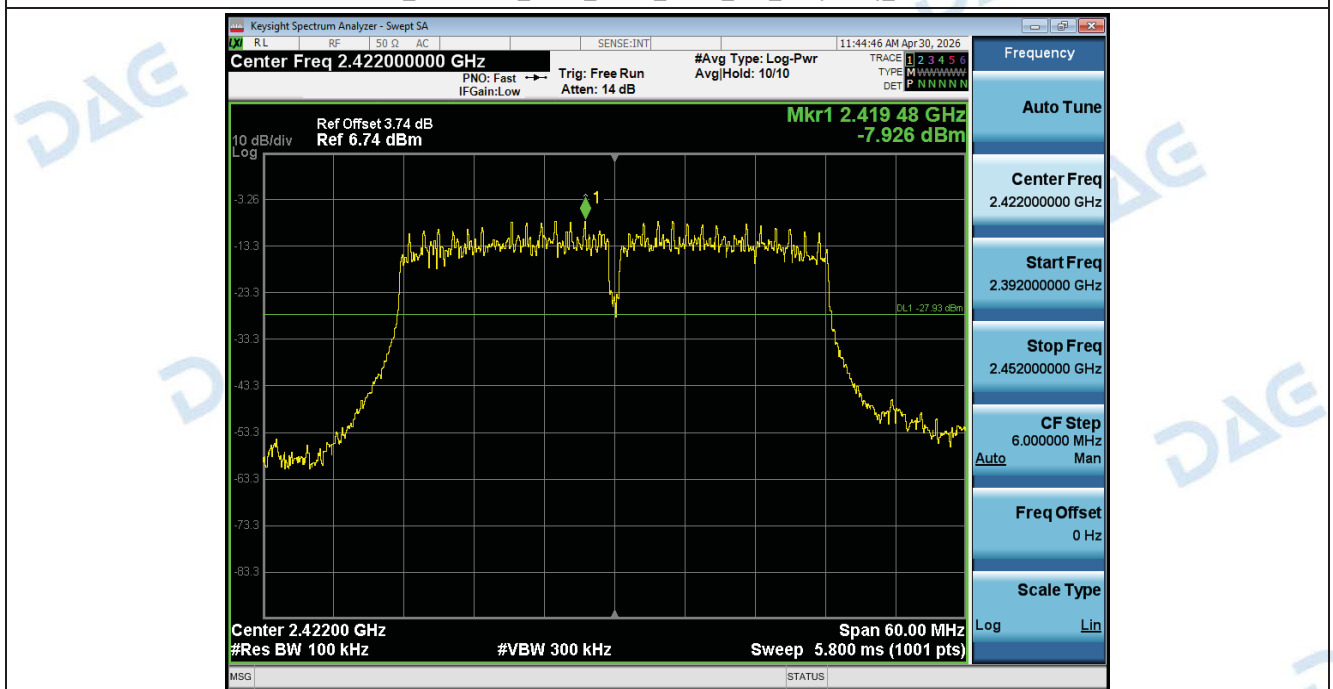
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



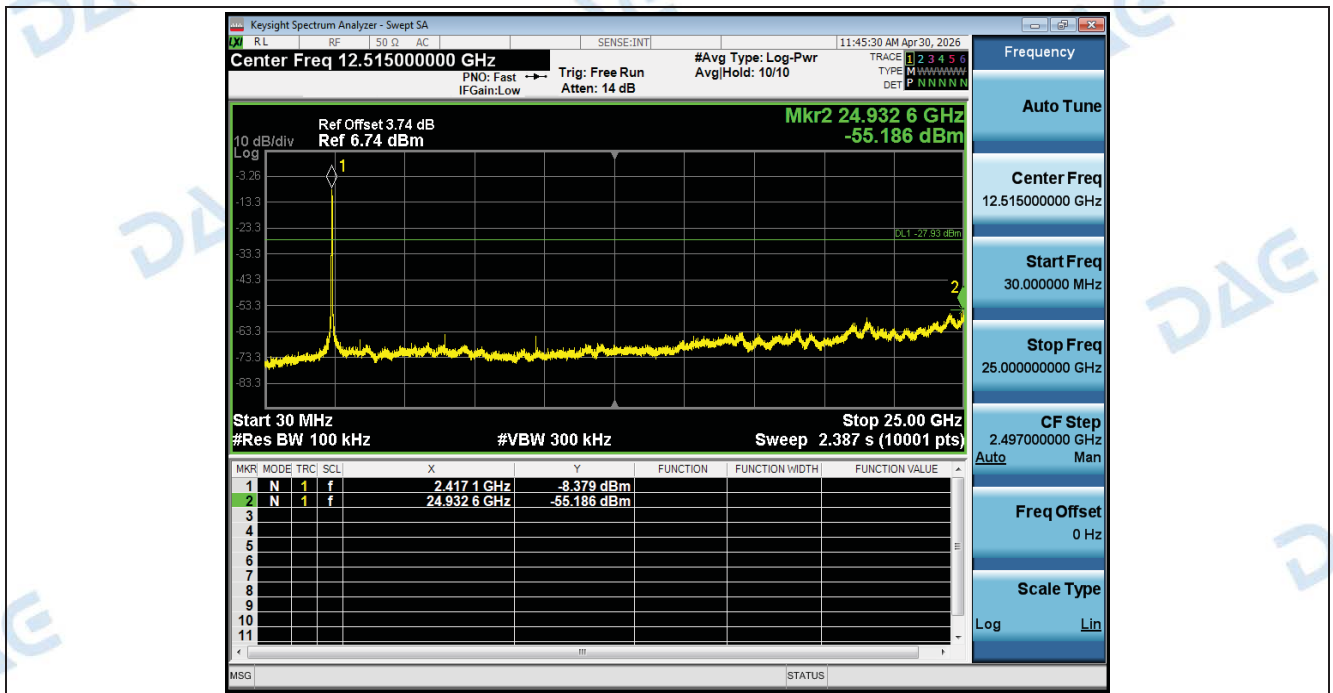
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



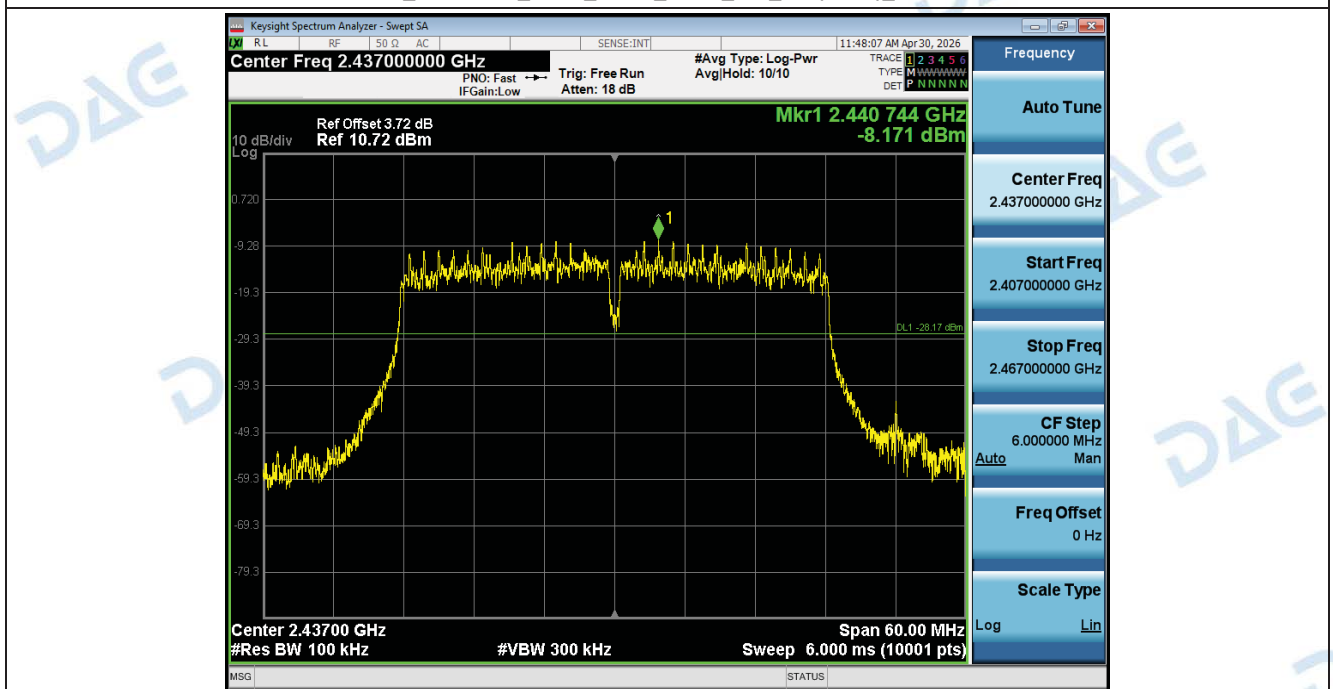
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



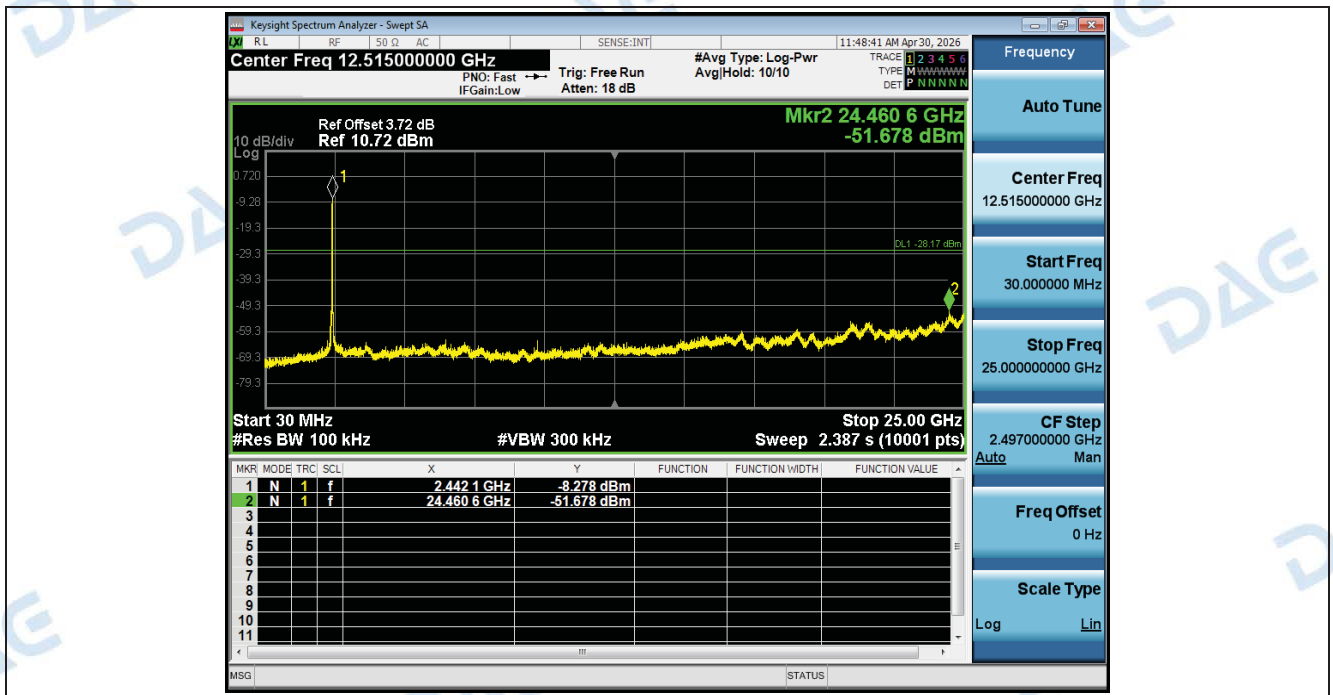
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



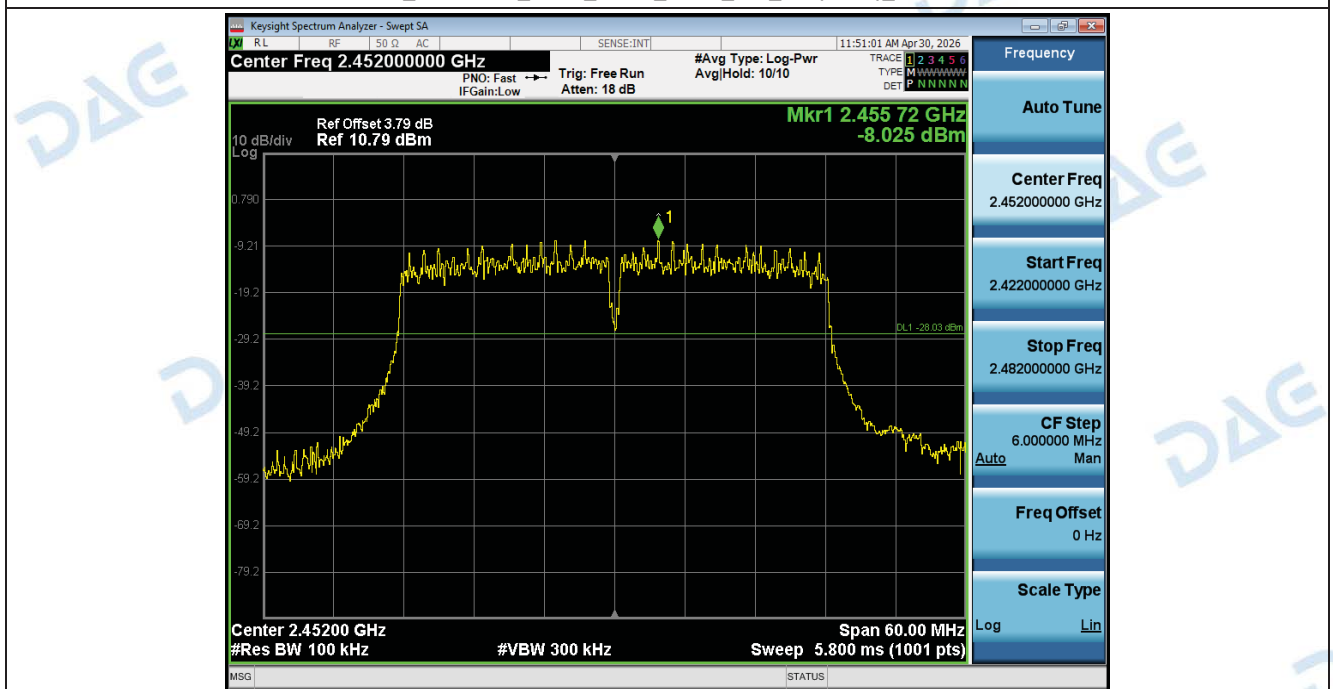
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



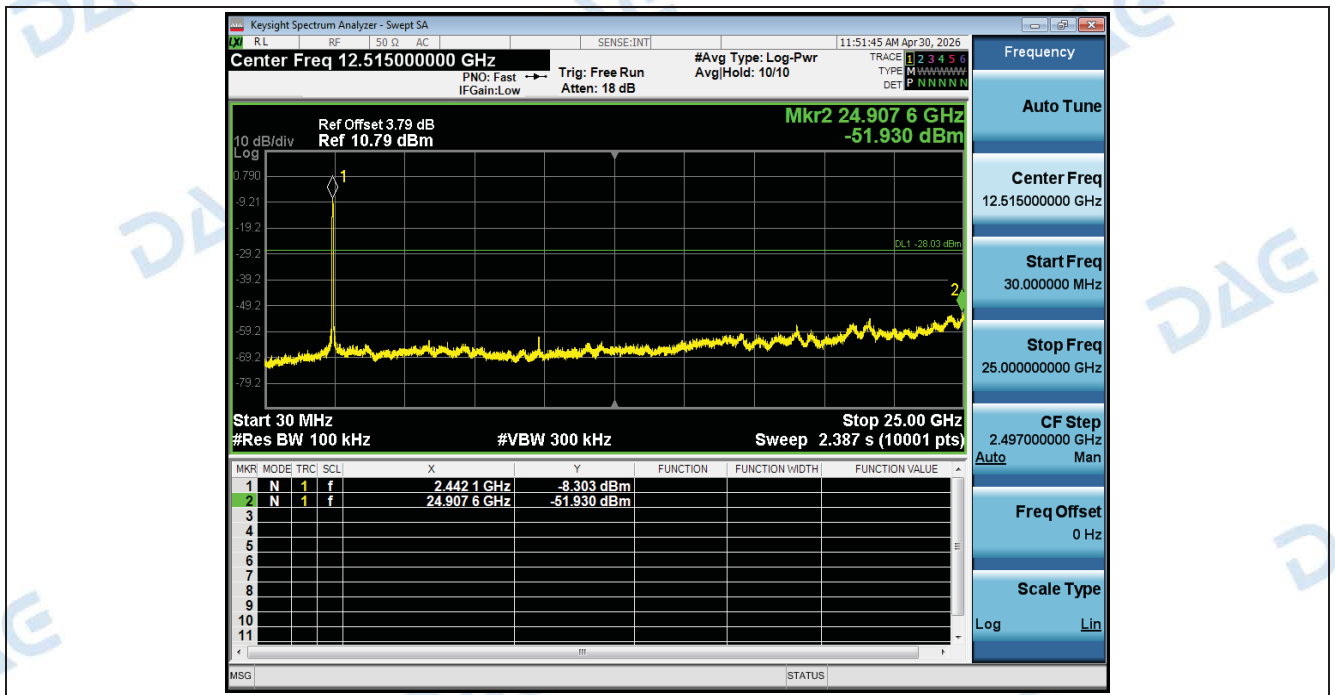
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452

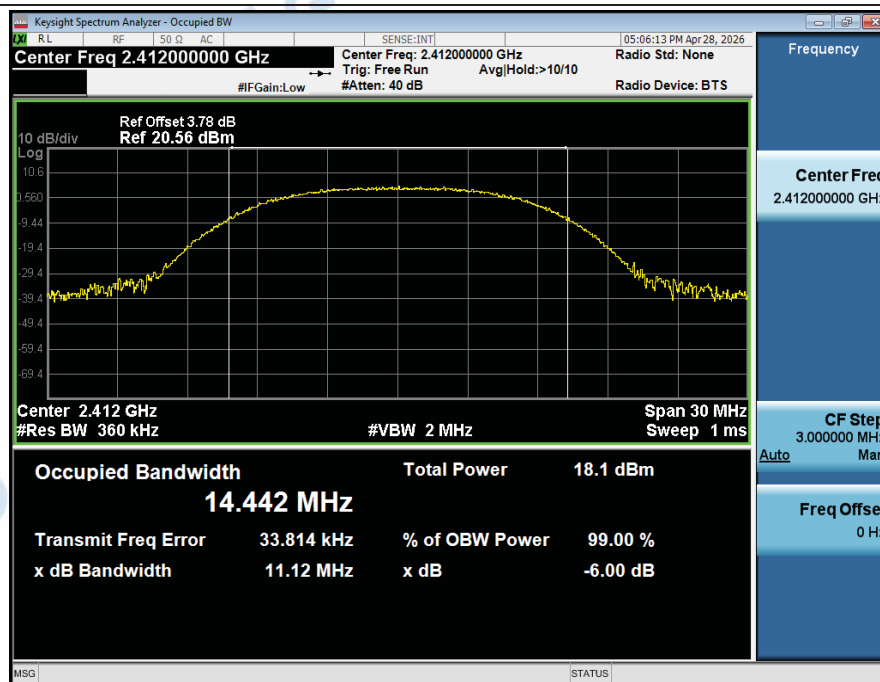


FCC_2.4G_WIFI ANT2 Test Data

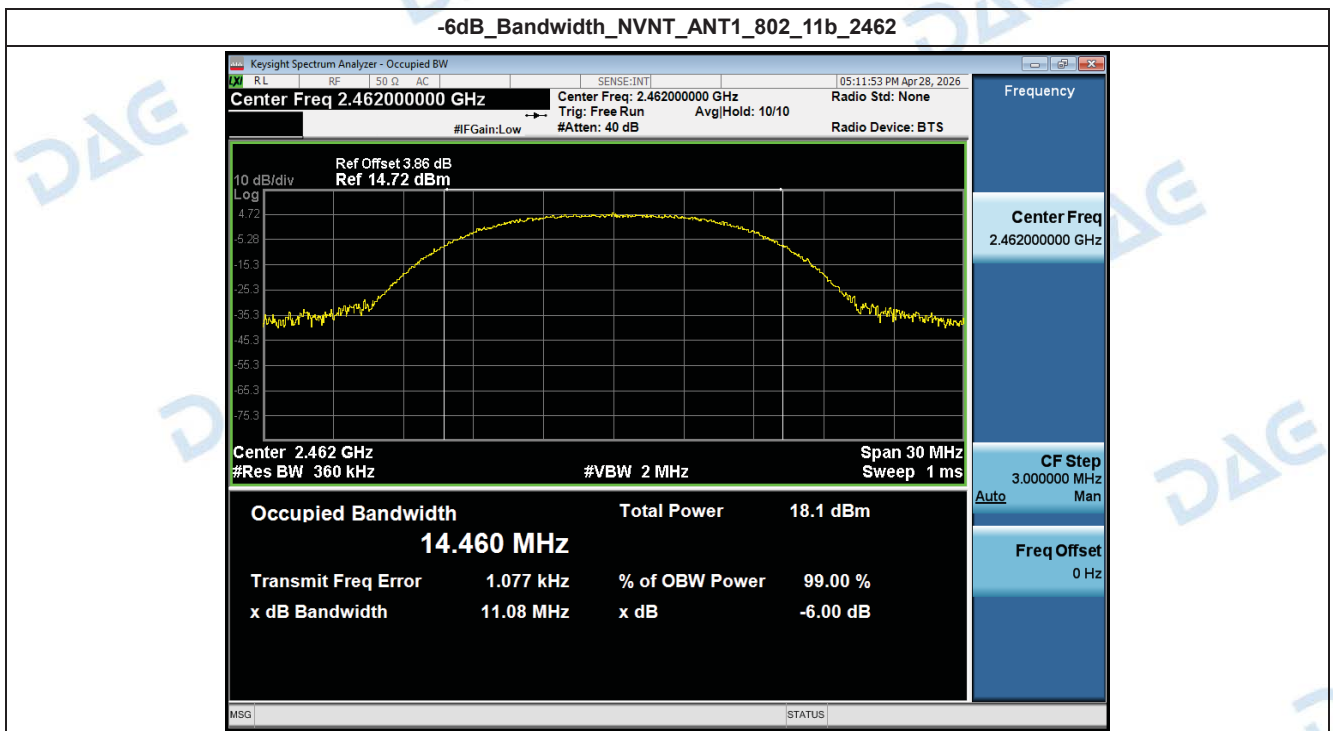
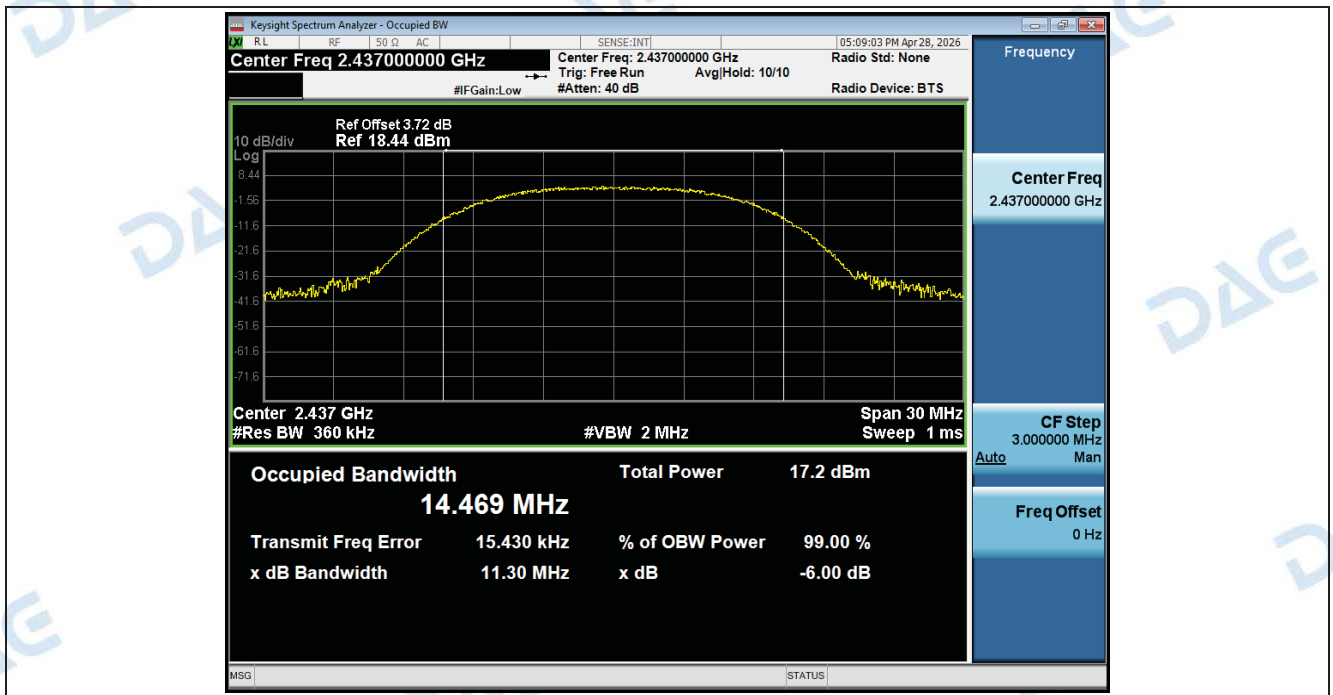
1. -6dB Bandwidth

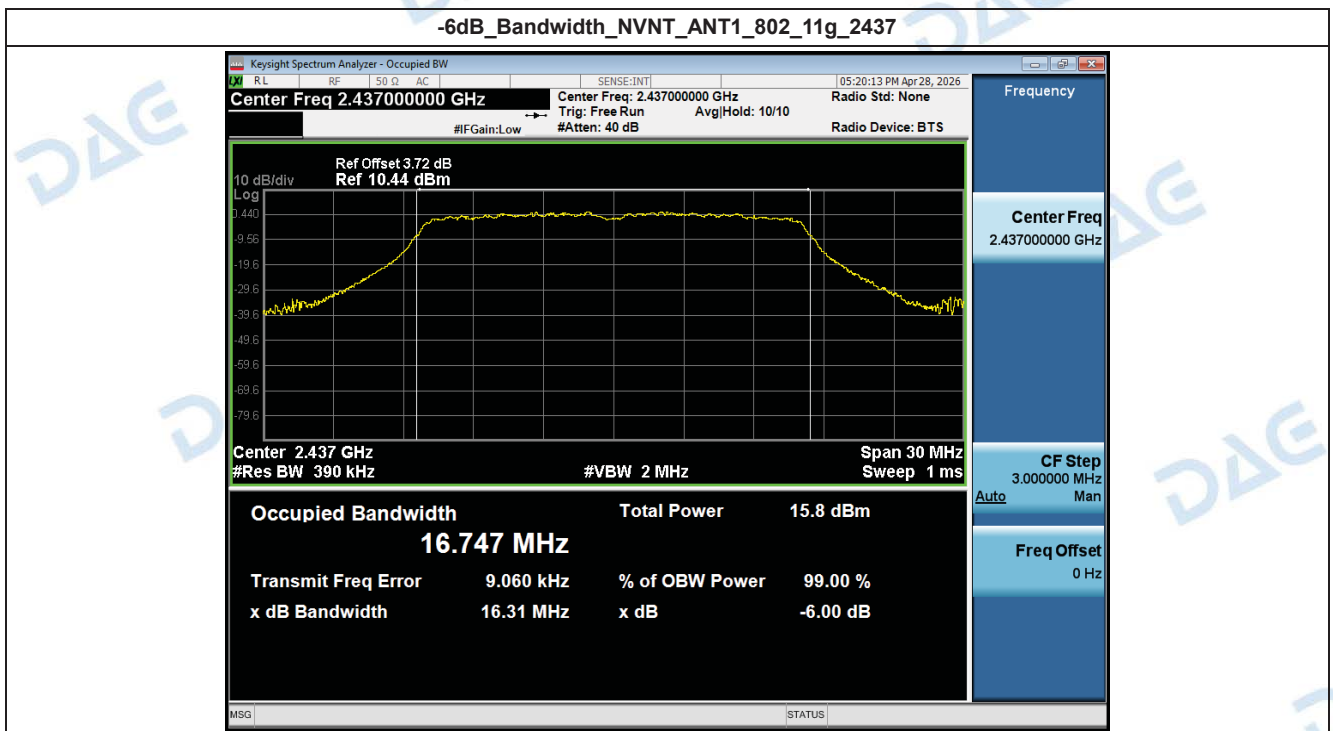
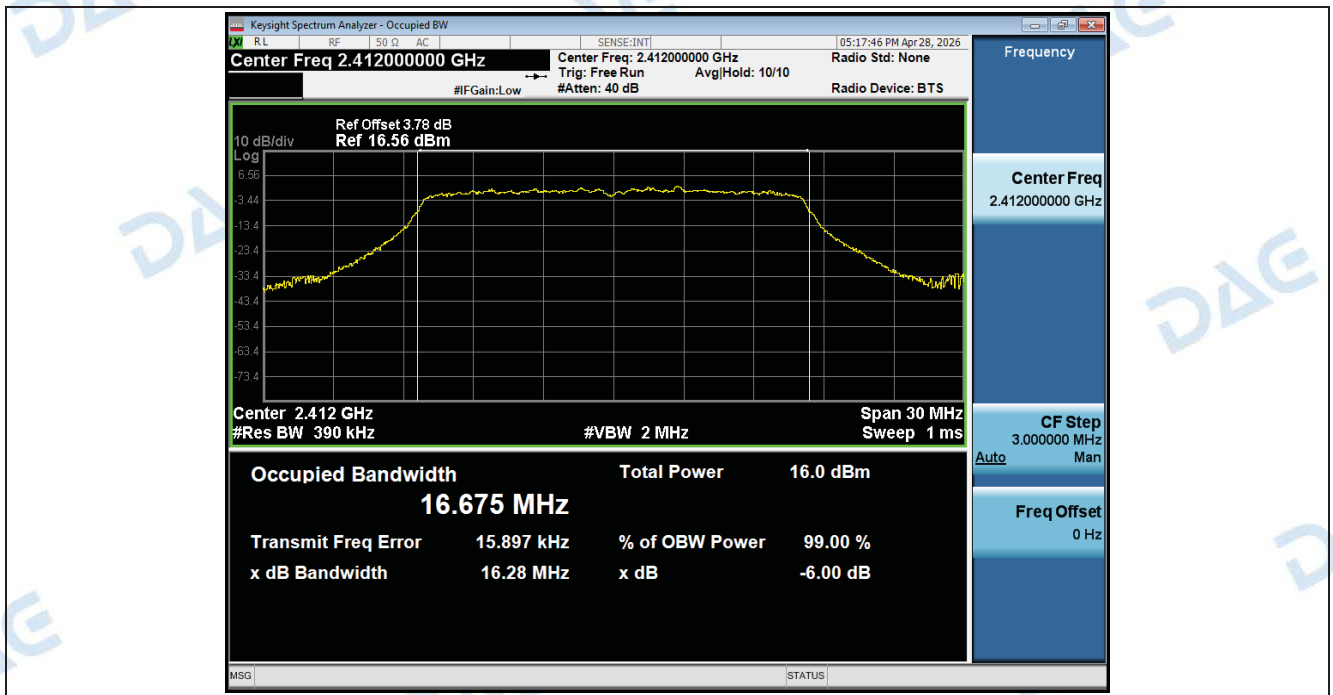
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT2	802.11b	2412.00	11.12	500	Pass
NVNT	ANT2	802.11b	2437.00	11.30	500	Pass
NVNT	ANT2	802.11b	2462.00	11.08	500	Pass
NVNT	ANT2	802.11g	2412.00	16.28	500	Pass
NVNT	ANT2	802.11g	2437.00	16.31	500	Pass
NVNT	ANT2	802.11g	2462.00	16.35	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	17.54	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	17.54	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	17.54	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	36.22	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	36.03	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	36.22	500	Pass

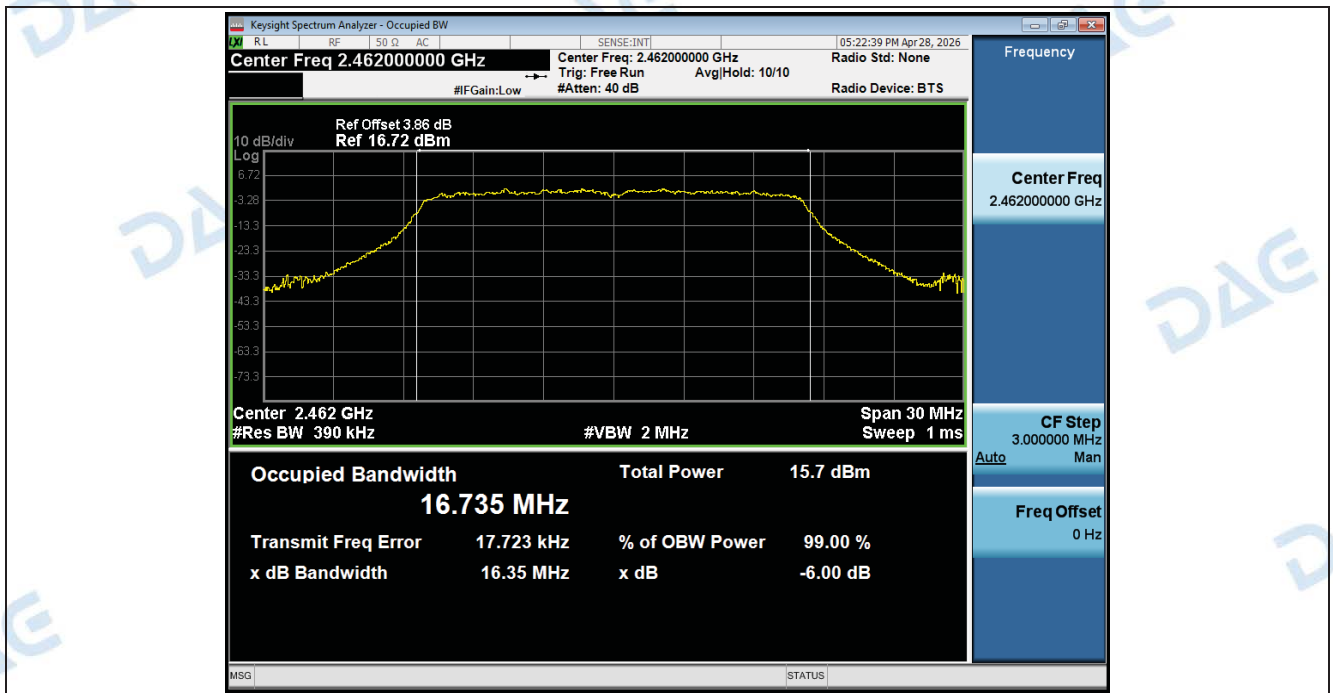
-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



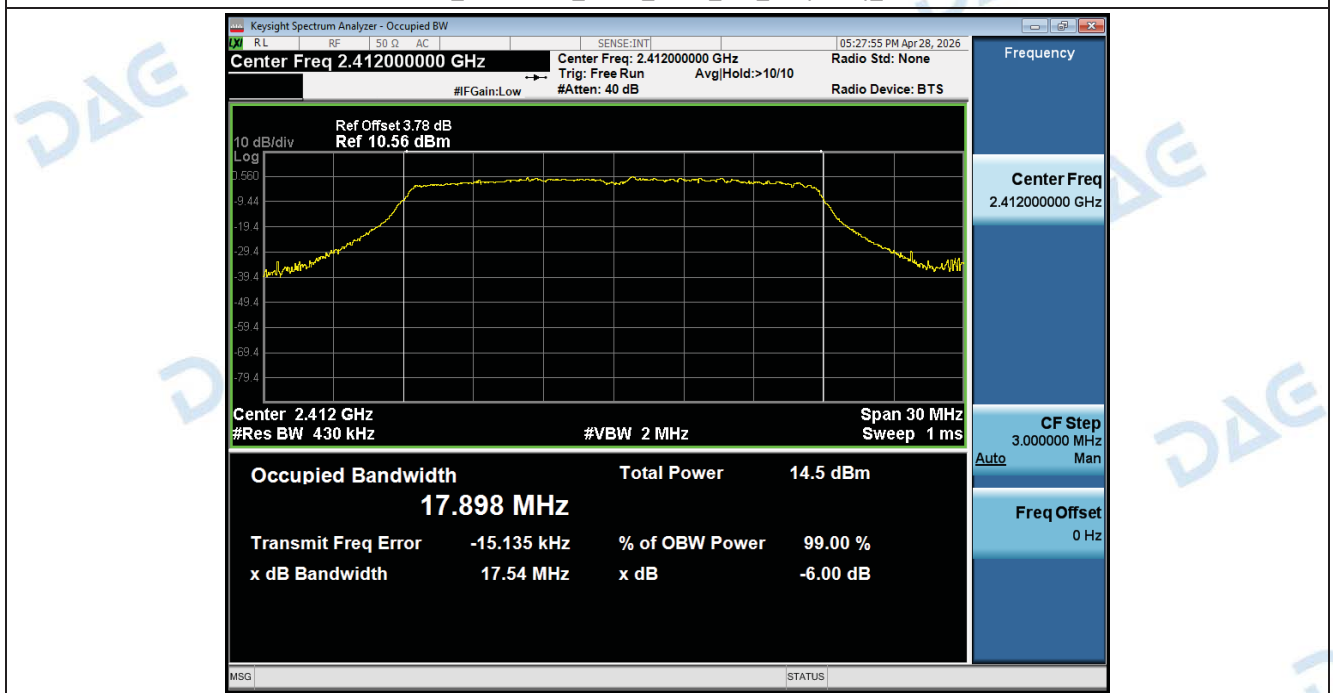
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



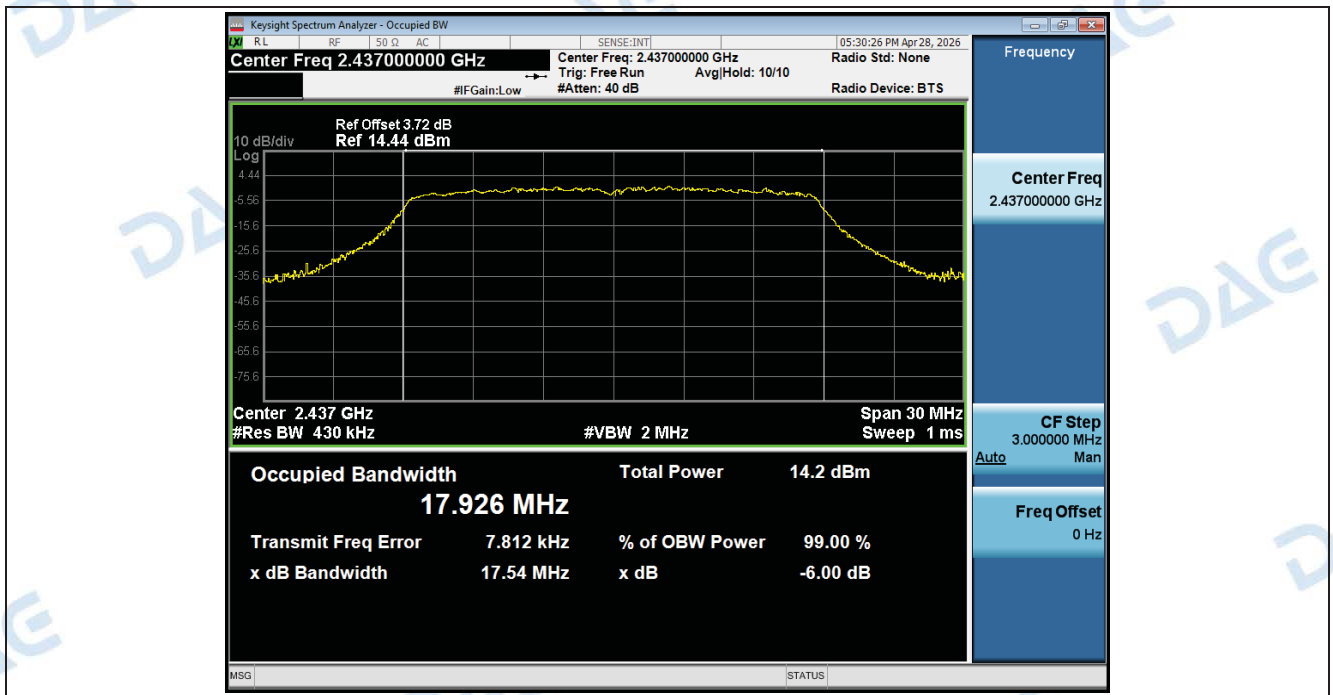




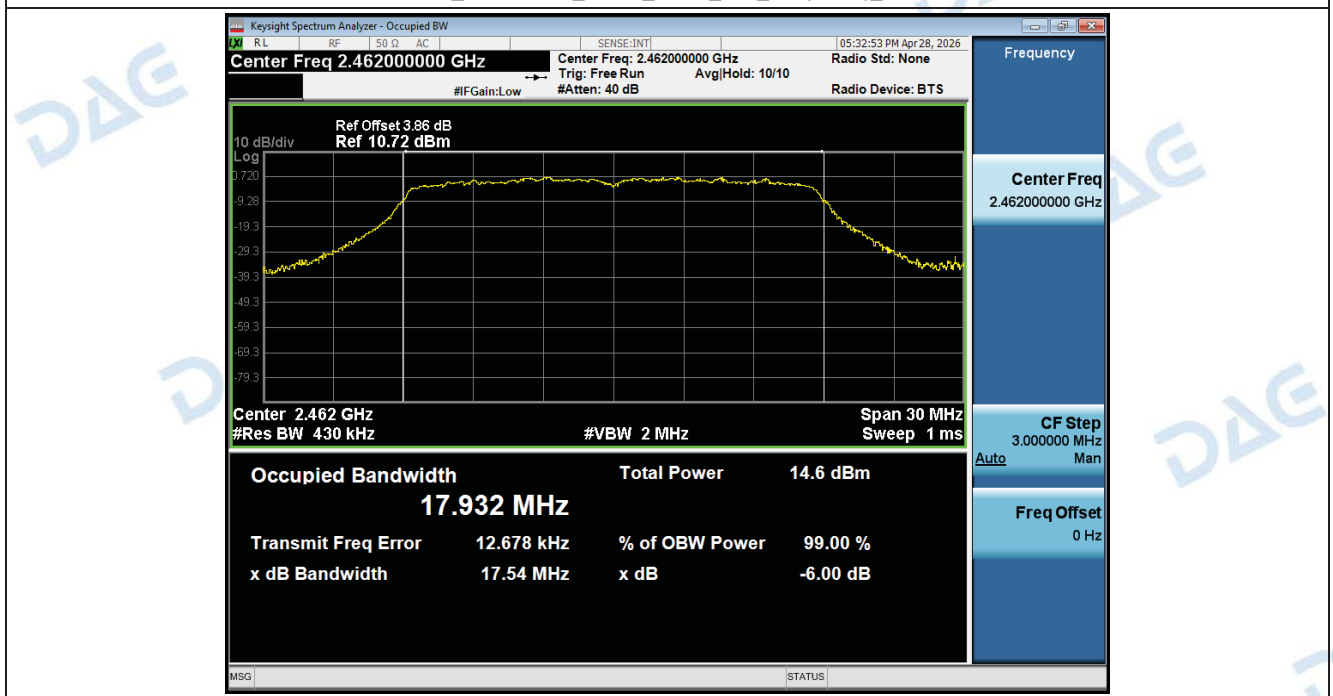
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



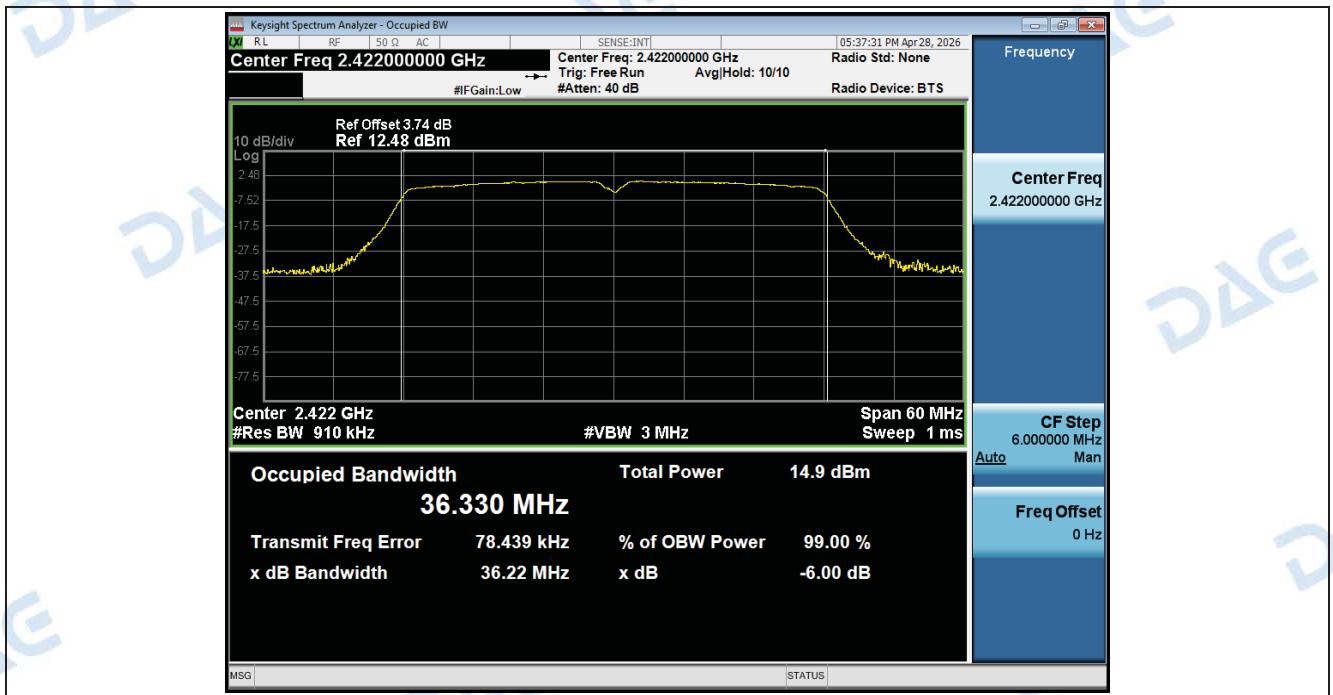
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



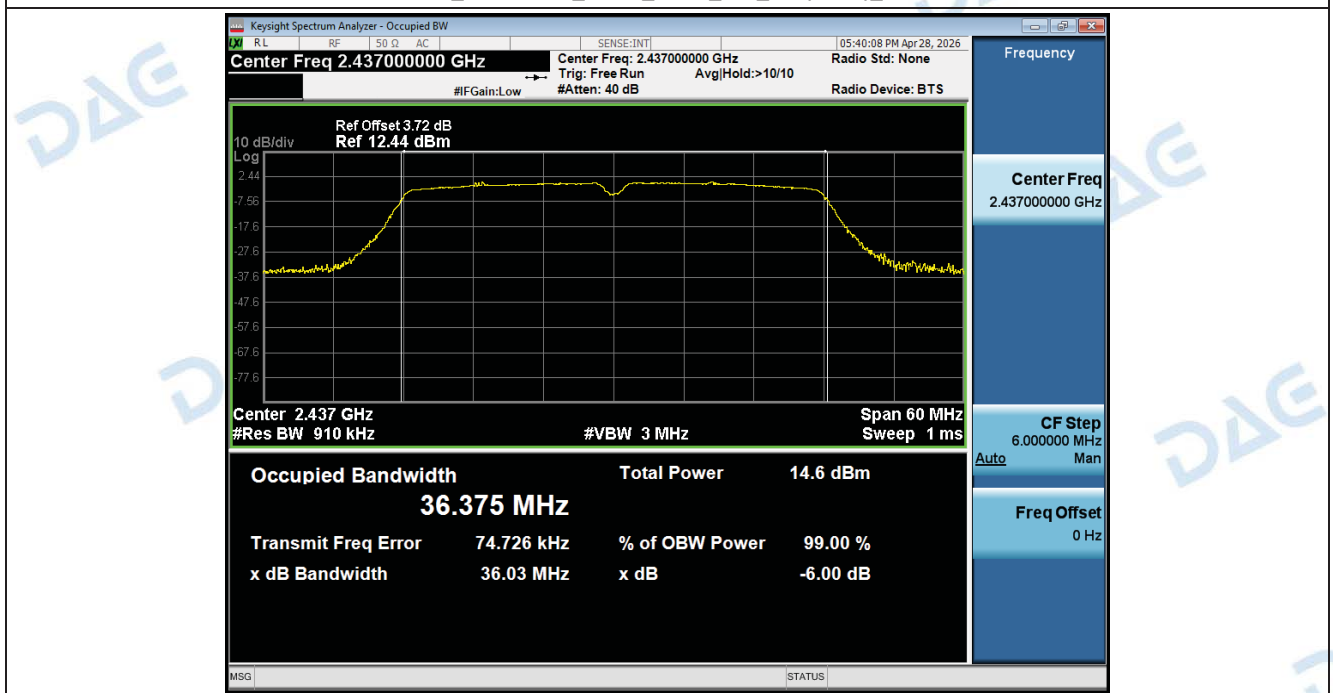
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



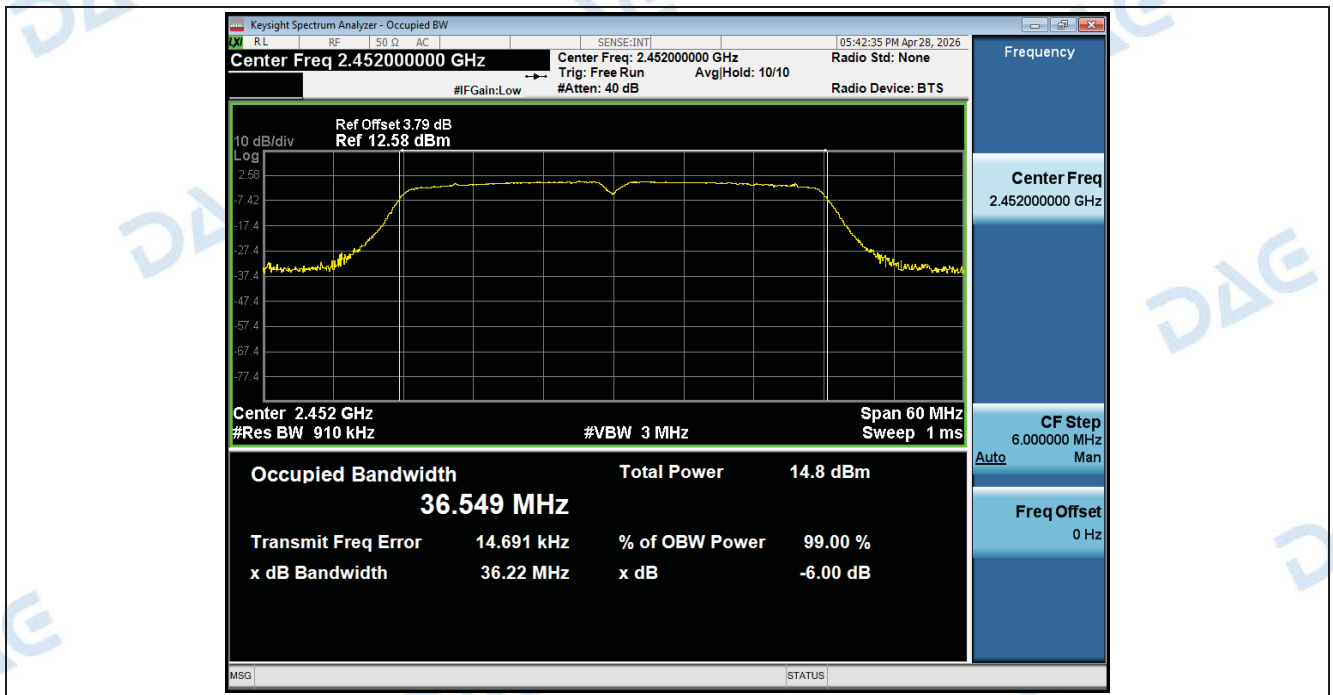
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



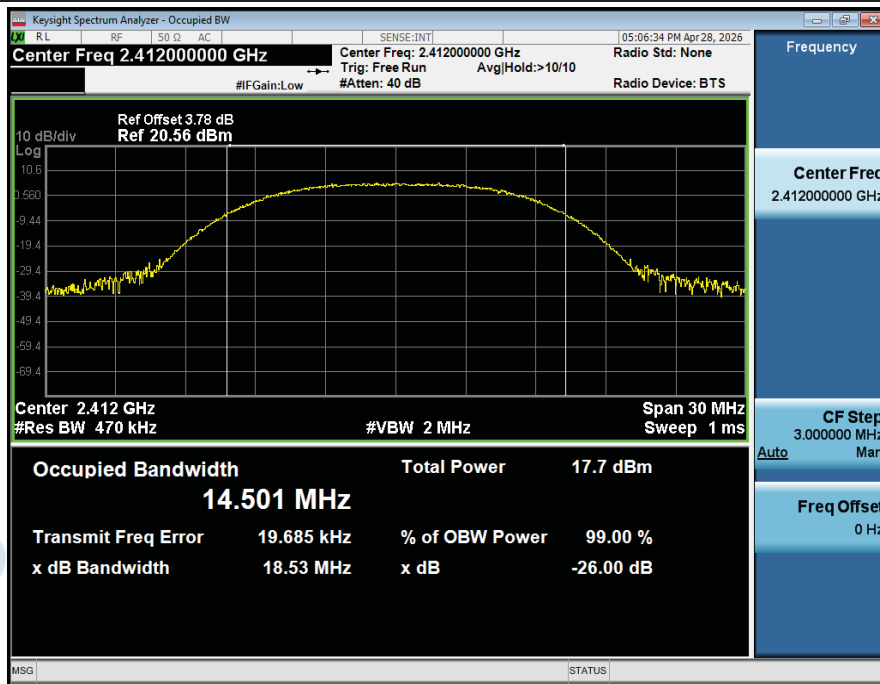
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



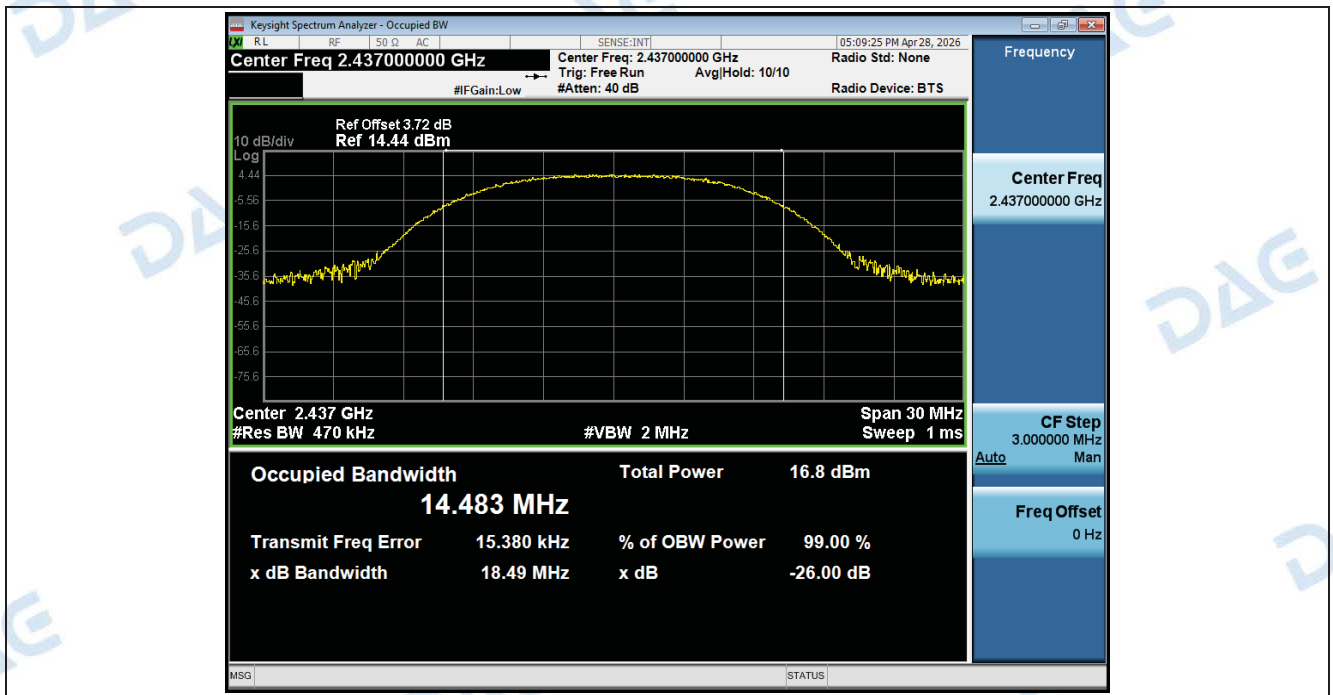
2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT2	802.11b	2412.00	14.501
NVNT	ANT2	802.11b	2437.00	14.483
NVNT	ANT2	802.11b	2462.00	14.503
NVNT	ANT2	802.11g	2412.00	16.823
NVNT	ANT2	802.11g	2437.00	16.913
NVNT	ANT2	802.11g	2462.00	16.890
NVNT	ANT2	802.11n(HT20)	2412.00	18.051
NVNT	ANT2	802.11n(HT20)	2437.00	18.118
NVNT	ANT2	802.11n(HT20)	2462.00	18.115
NVNT	ANT2	802.11n(HT40)	2422.00	36.327
NVNT	ANT2	802.11n(HT40)	2437.00	36.359
NVNT	ANT2	802.11n(HT40)	2452.00	36.558

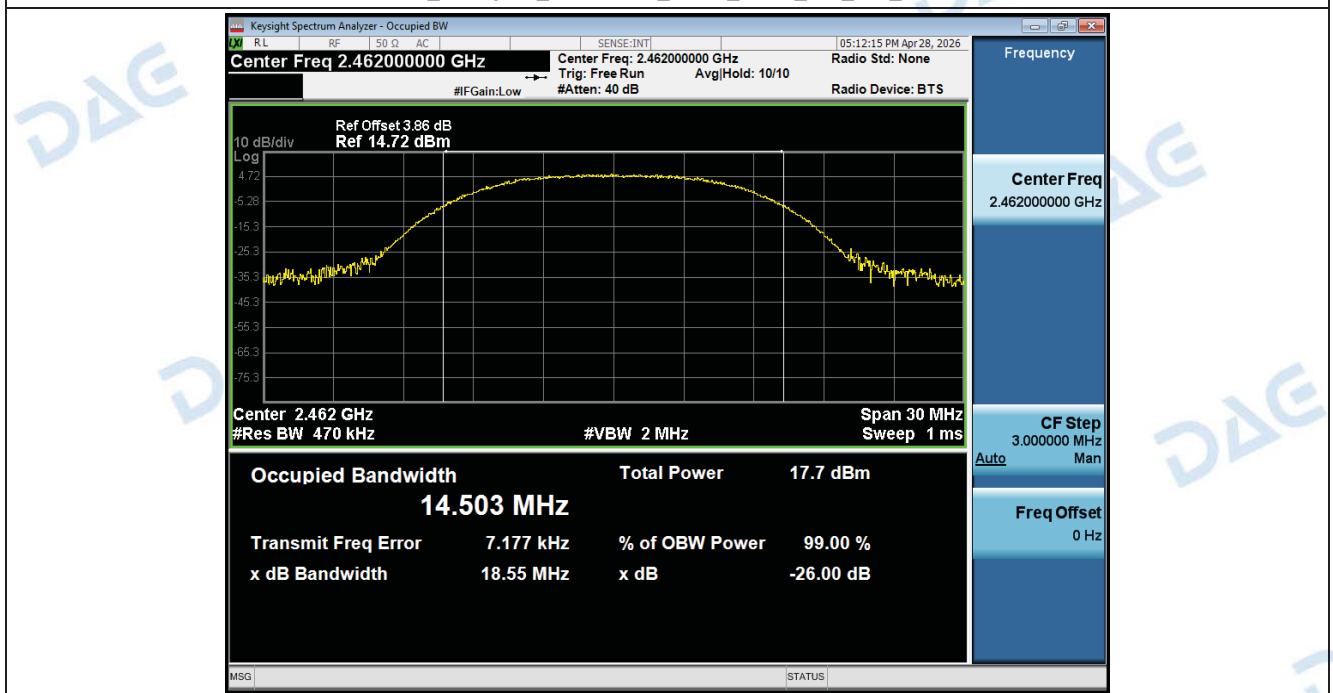
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412



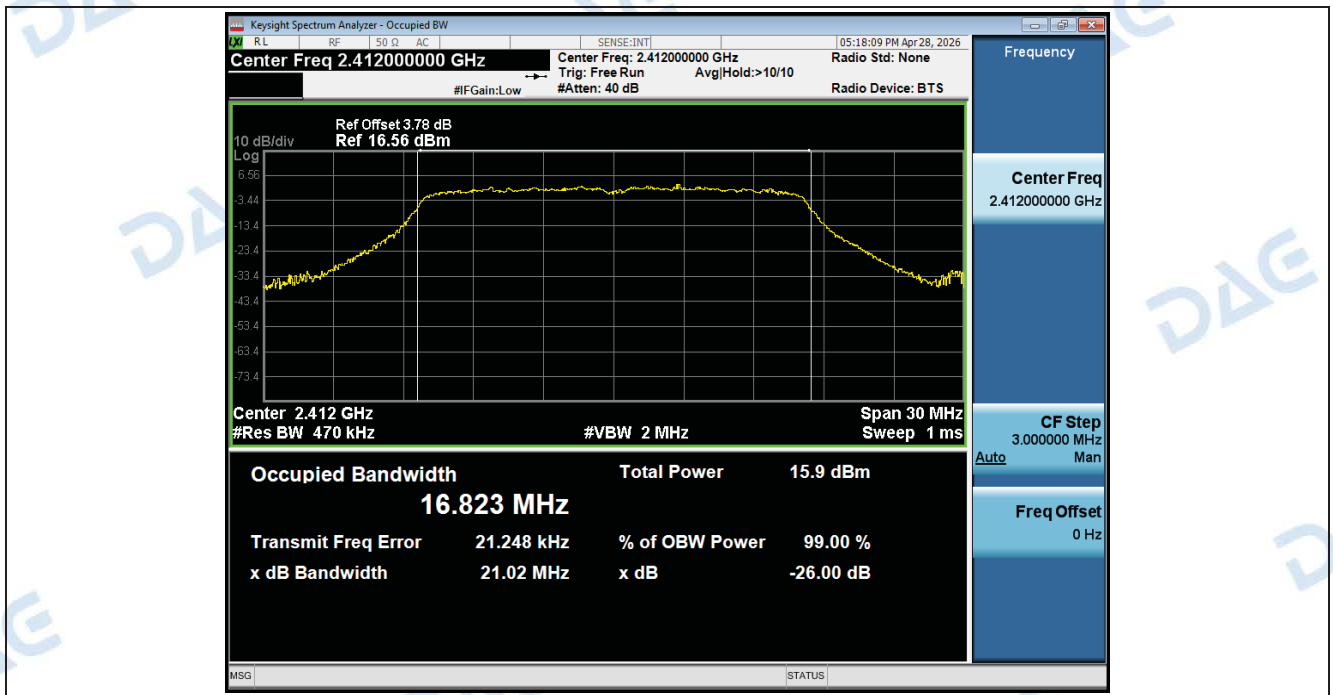
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



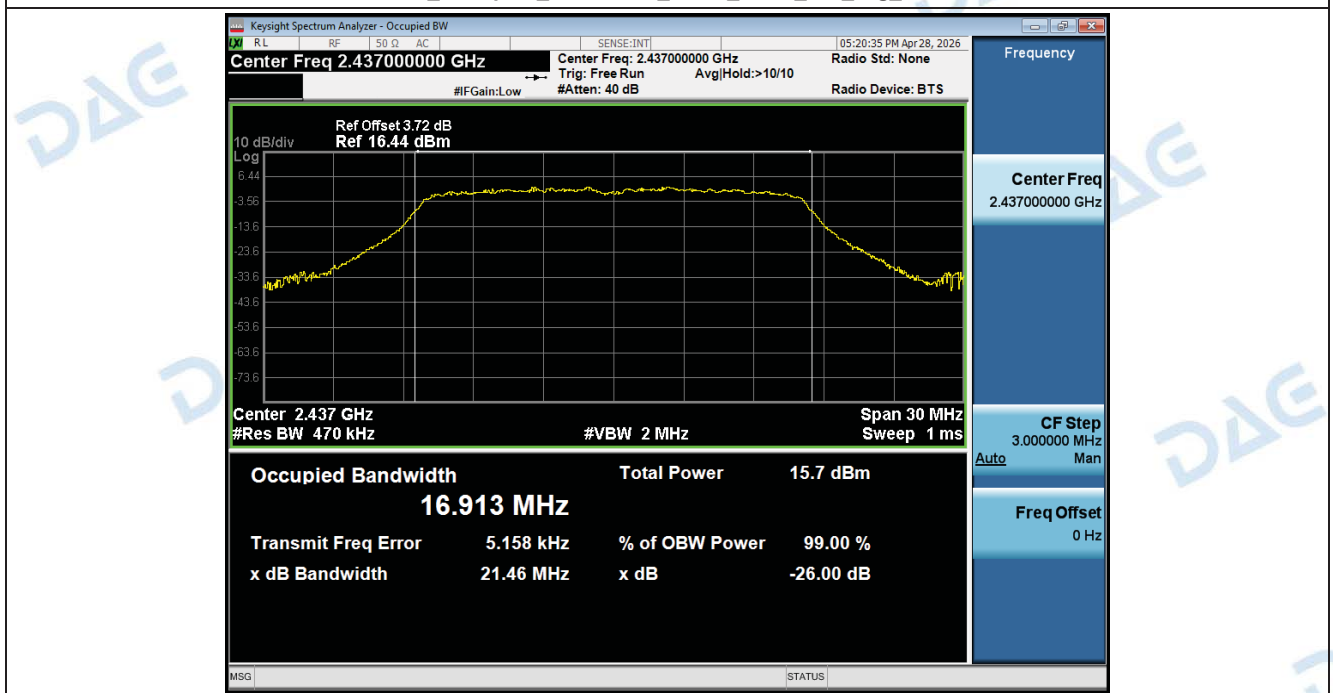
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2462



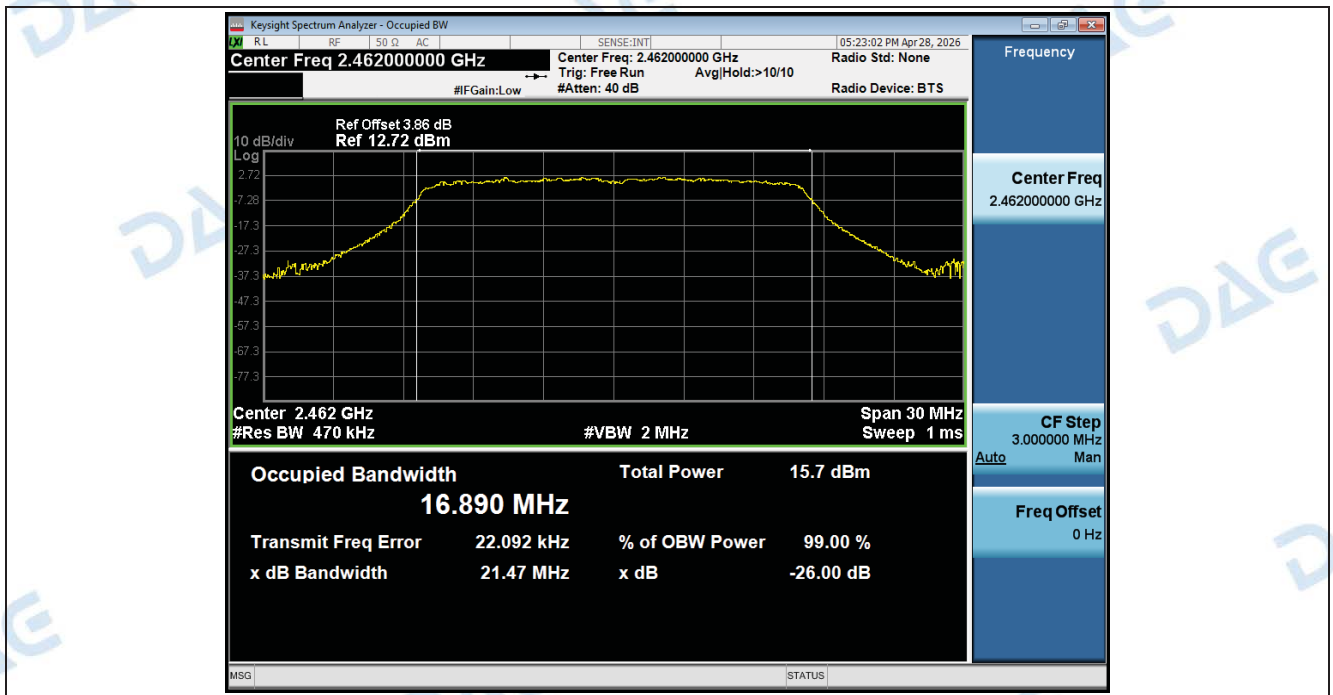
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



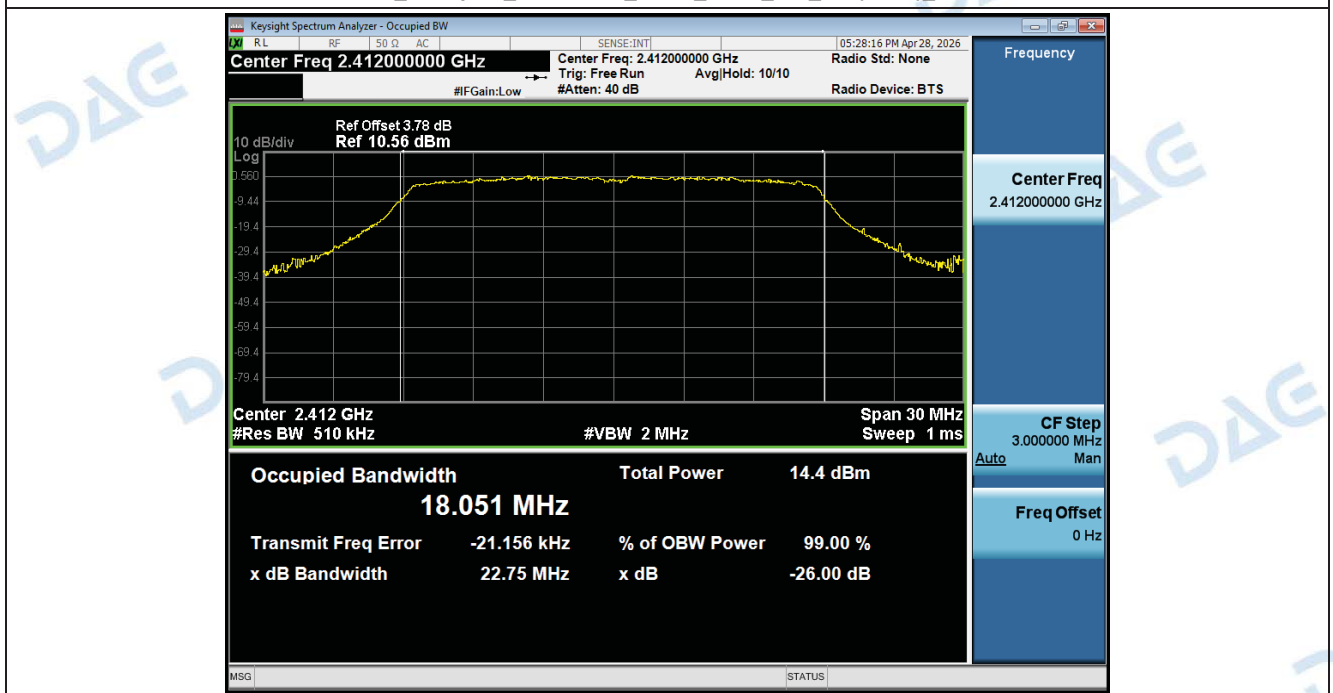
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437



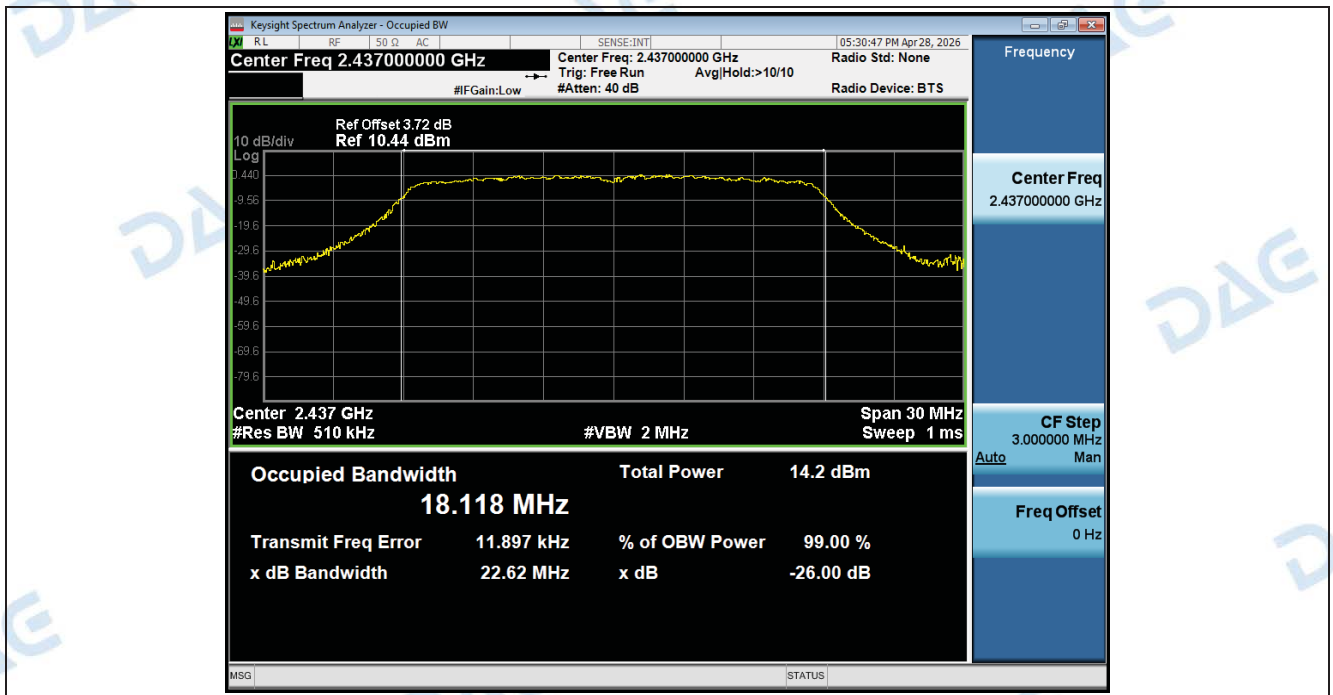
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



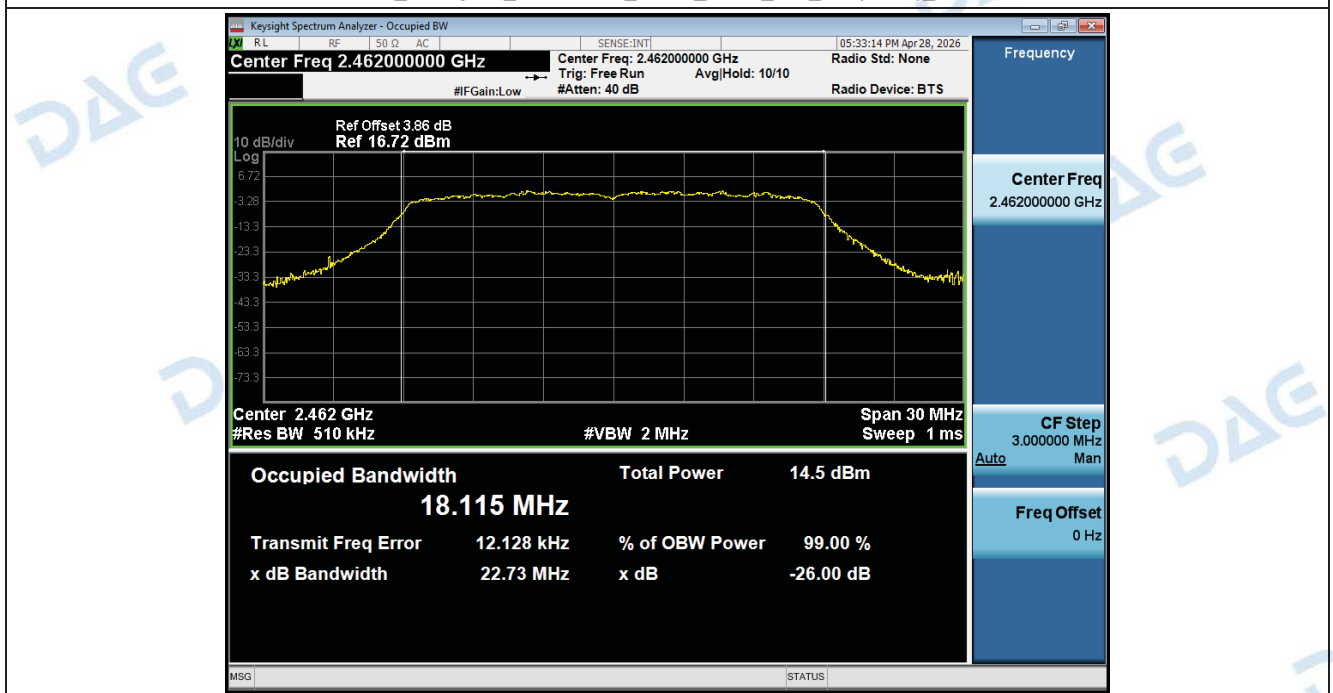
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



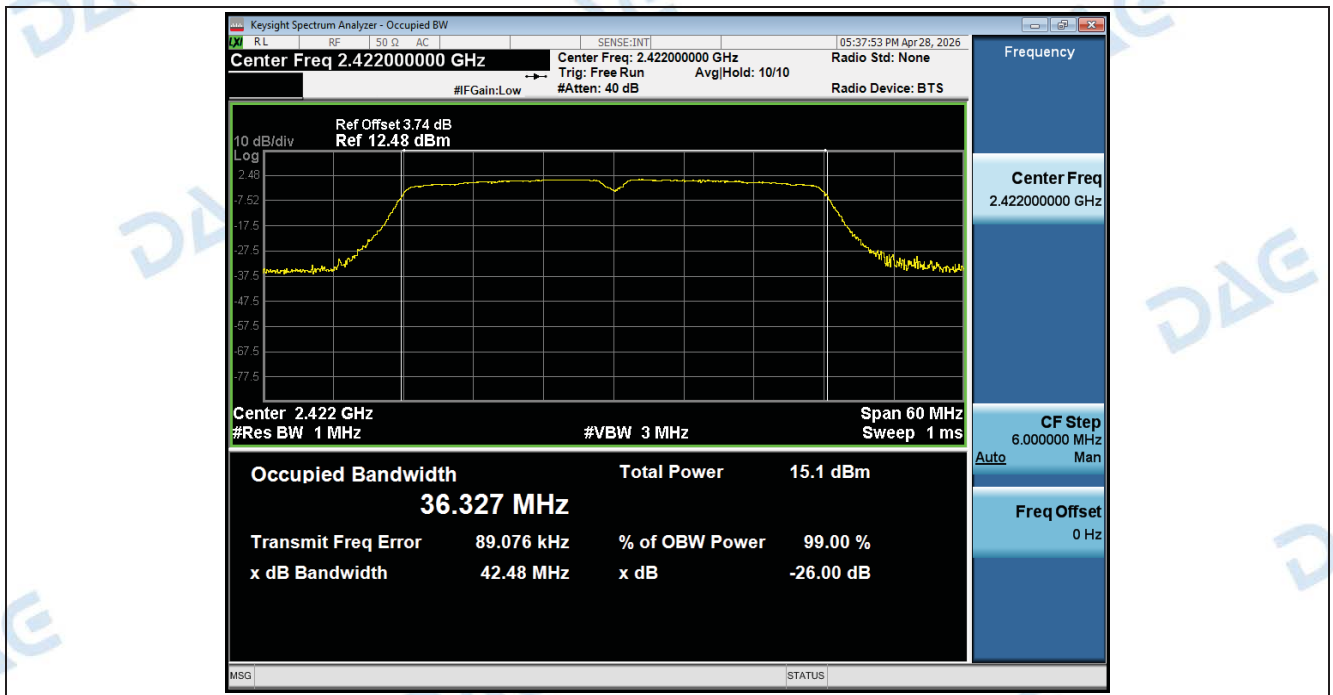
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



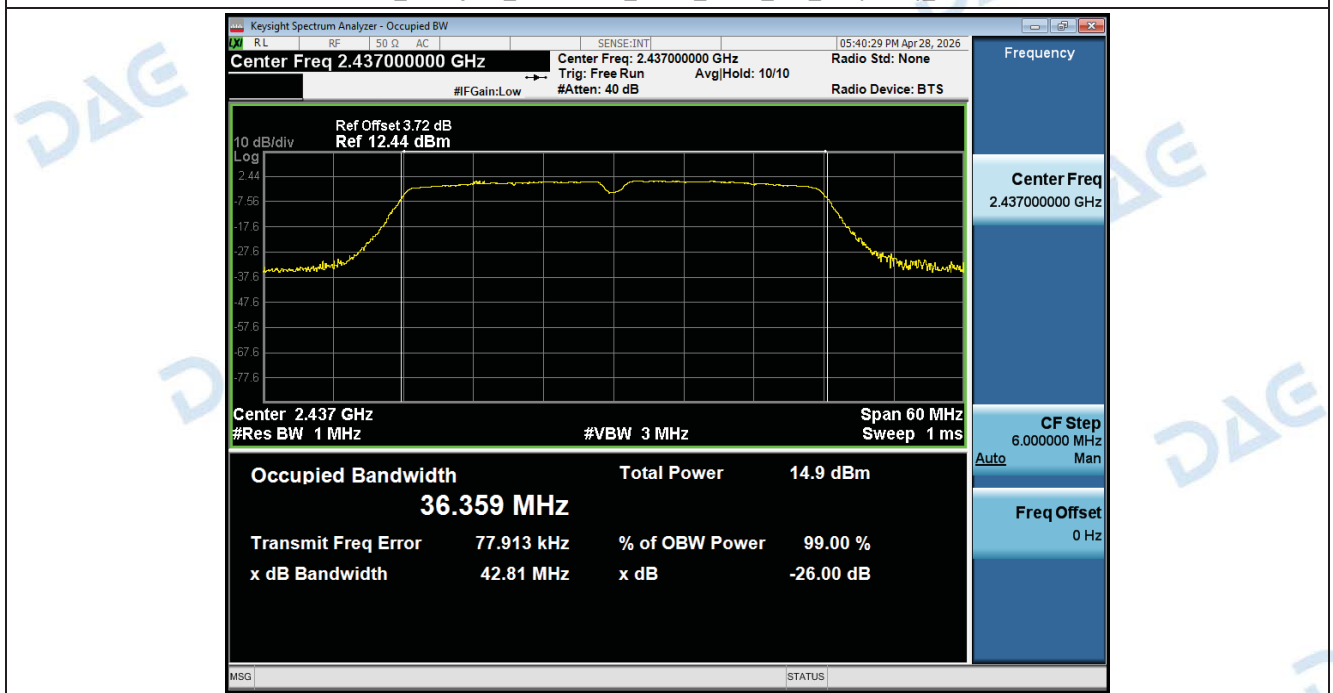
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



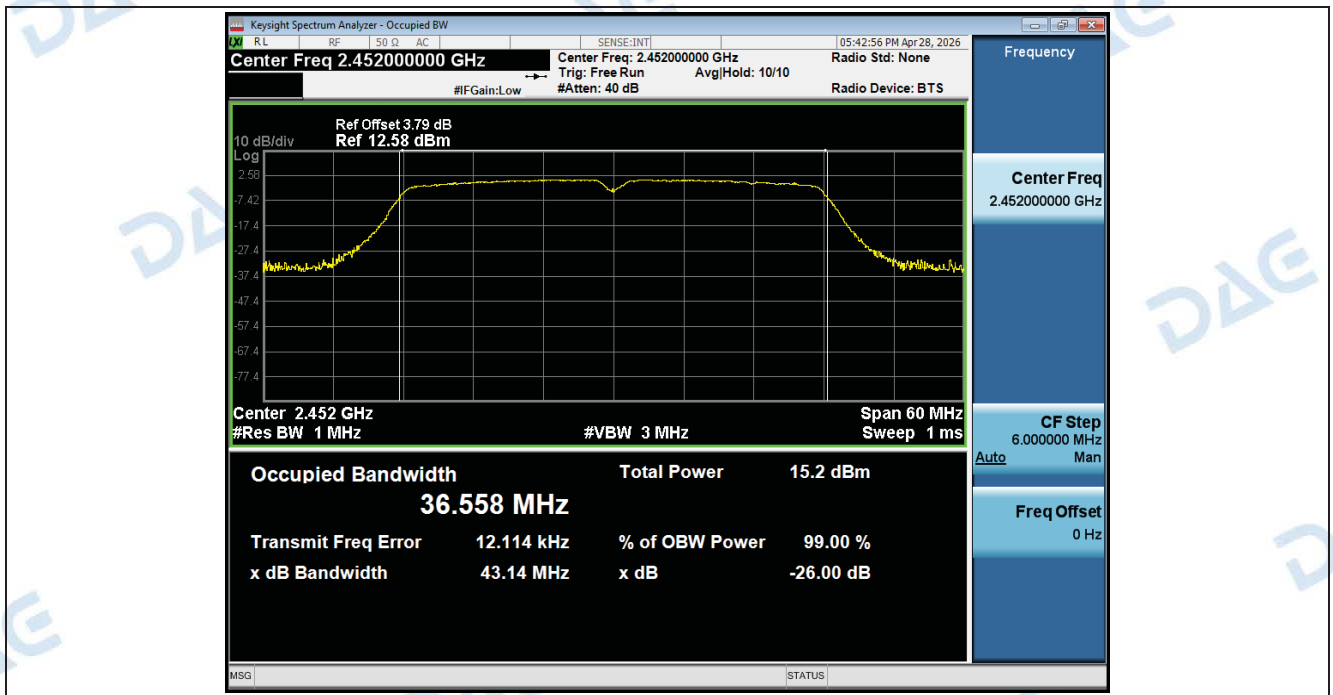
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



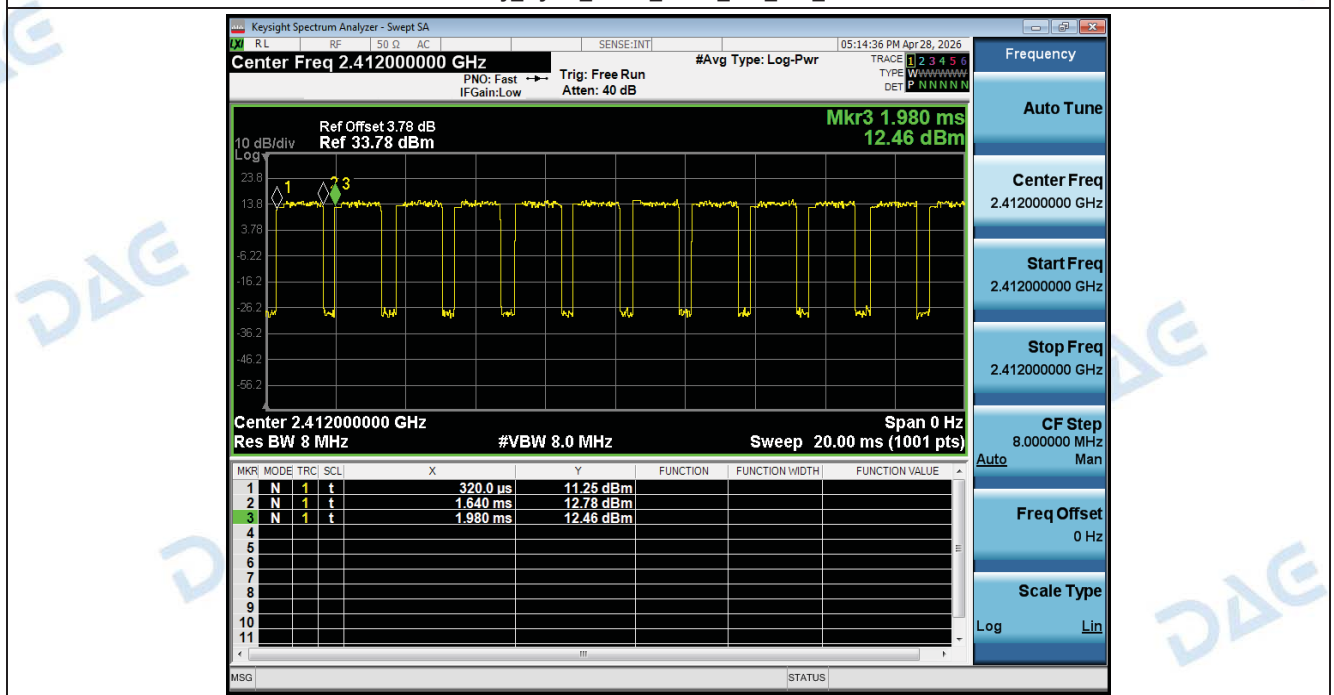
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



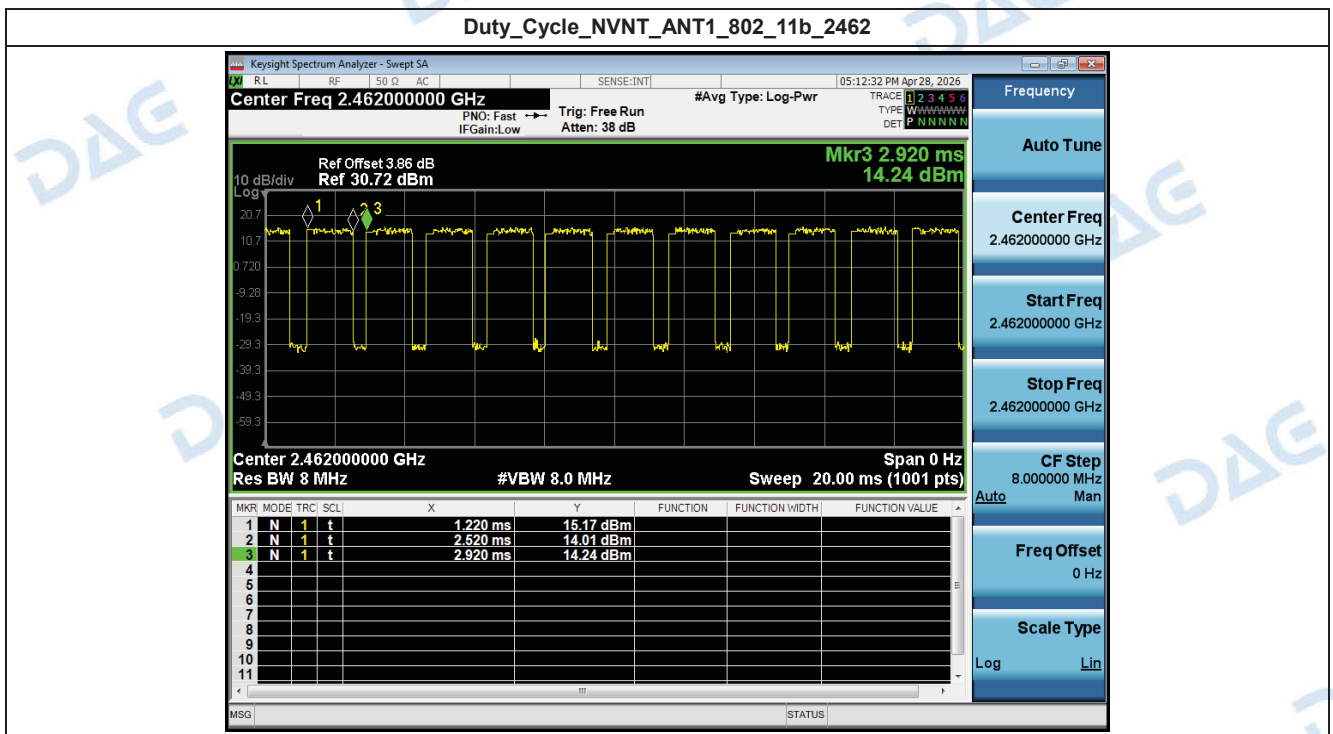
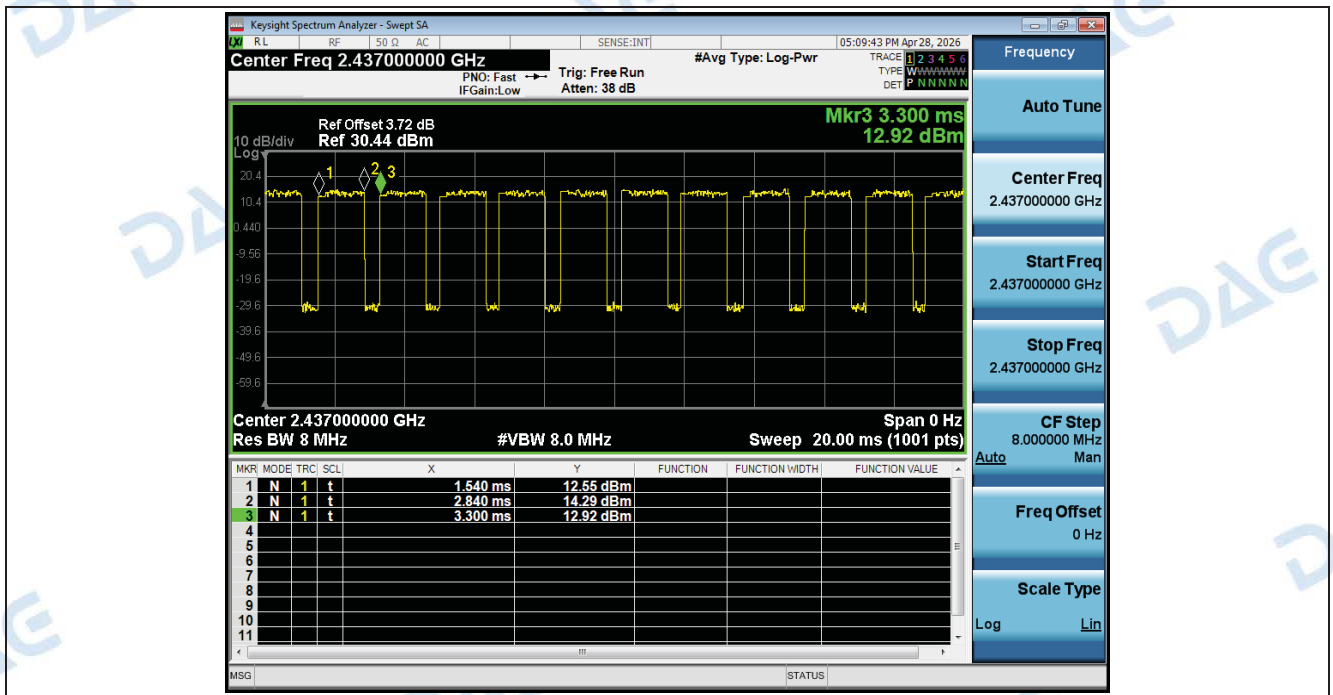
3. Duty Cycle

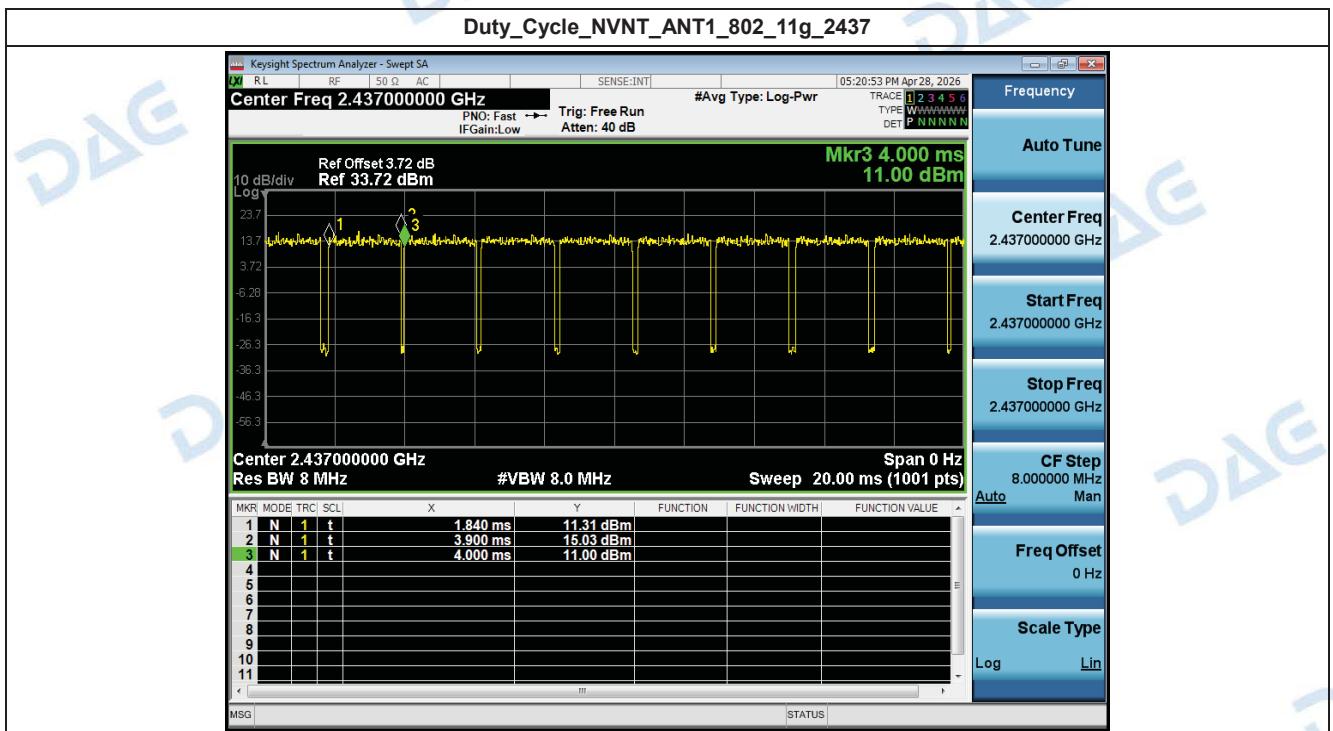
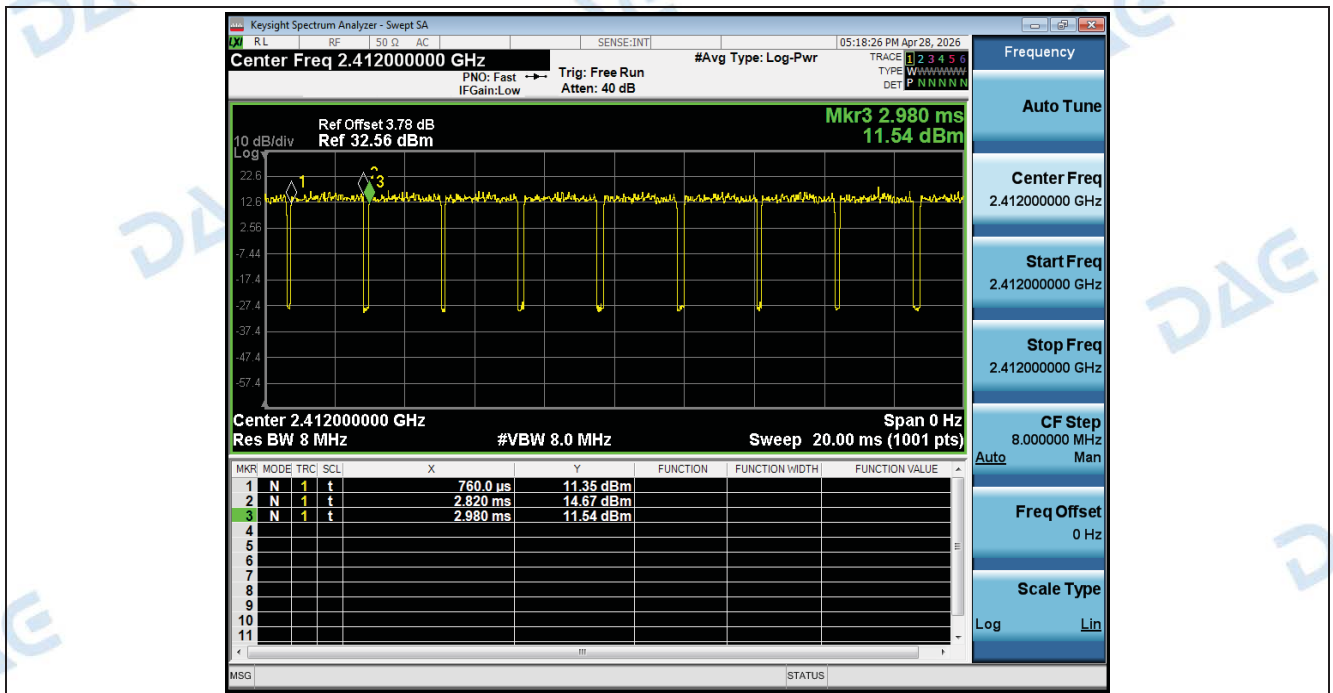
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT2	802.11b	2412.00	79.52	1.00
NVNT	ANT2	802.11b	2437.00	75.00	1.25
NVNT	ANT2	802.11b	2462.00	77.65	1.10
NVNT	ANT2	802.11g	2412.00	93.69	0.28
NVNT	ANT2	802.11g	2437.00	96.30	0.16
NVNT	ANT2	802.11g	2462.00	92.86	0.32
NVNT	ANT2	802.11n(HT20)	2412.00	97.00	0.13
NVNT	ANT2	802.11n(HT20)	2437.00	94.17	0.26
NVNT	ANT2	802.11n(HT20)	2462.00	94.17	0.26
NVNT	ANT2	802.11n(HT40)	2422.00	90.57	0.43
NVNT	ANT2	802.11n(HT40)	2437.00	82.76	0.82
NVNT	ANT2	802.11n(HT40)	2452.00	87.04	0.60

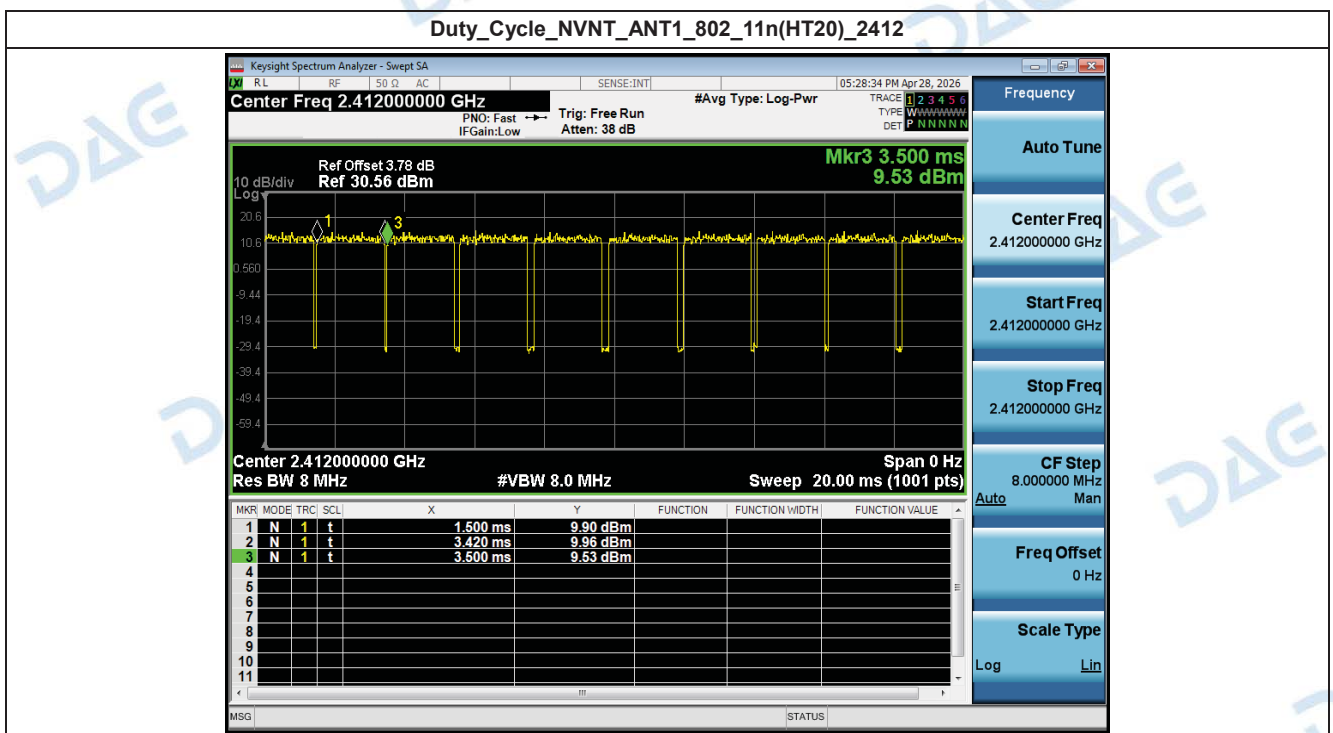
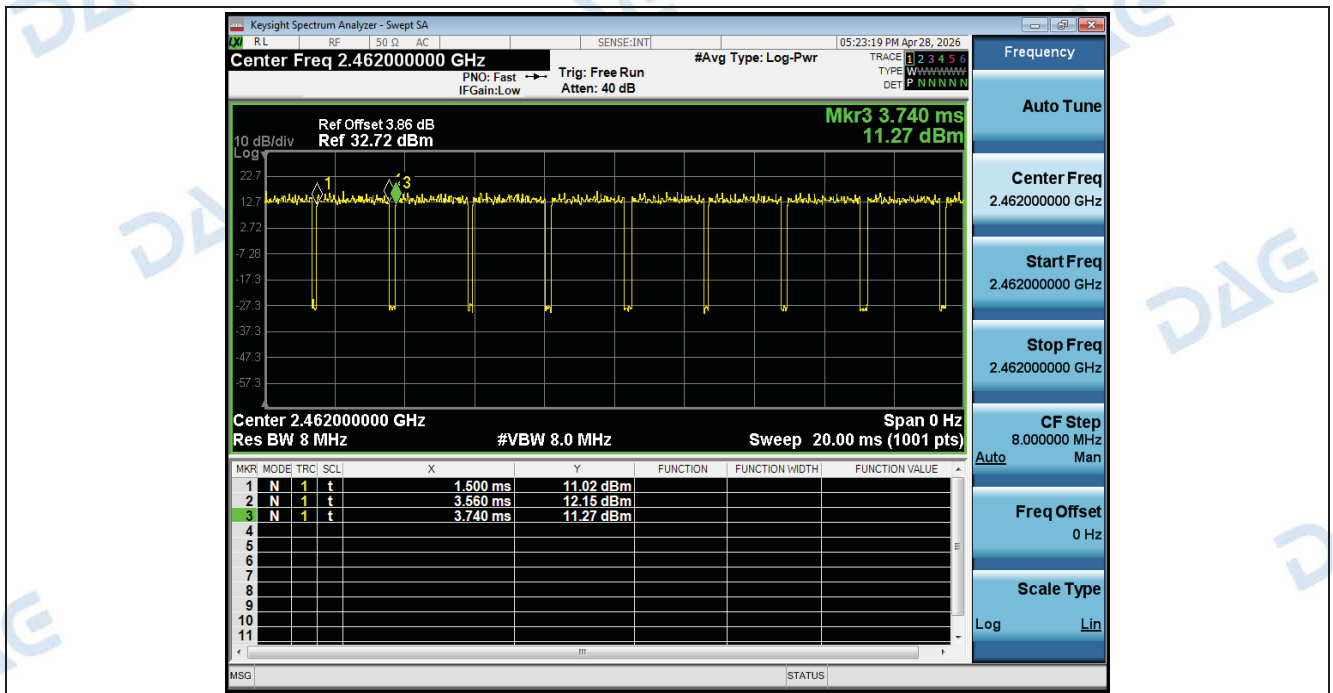
Duty_Cycle_NVNT_ANT1_802_11b_2412



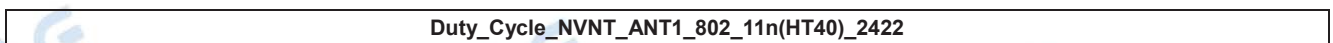
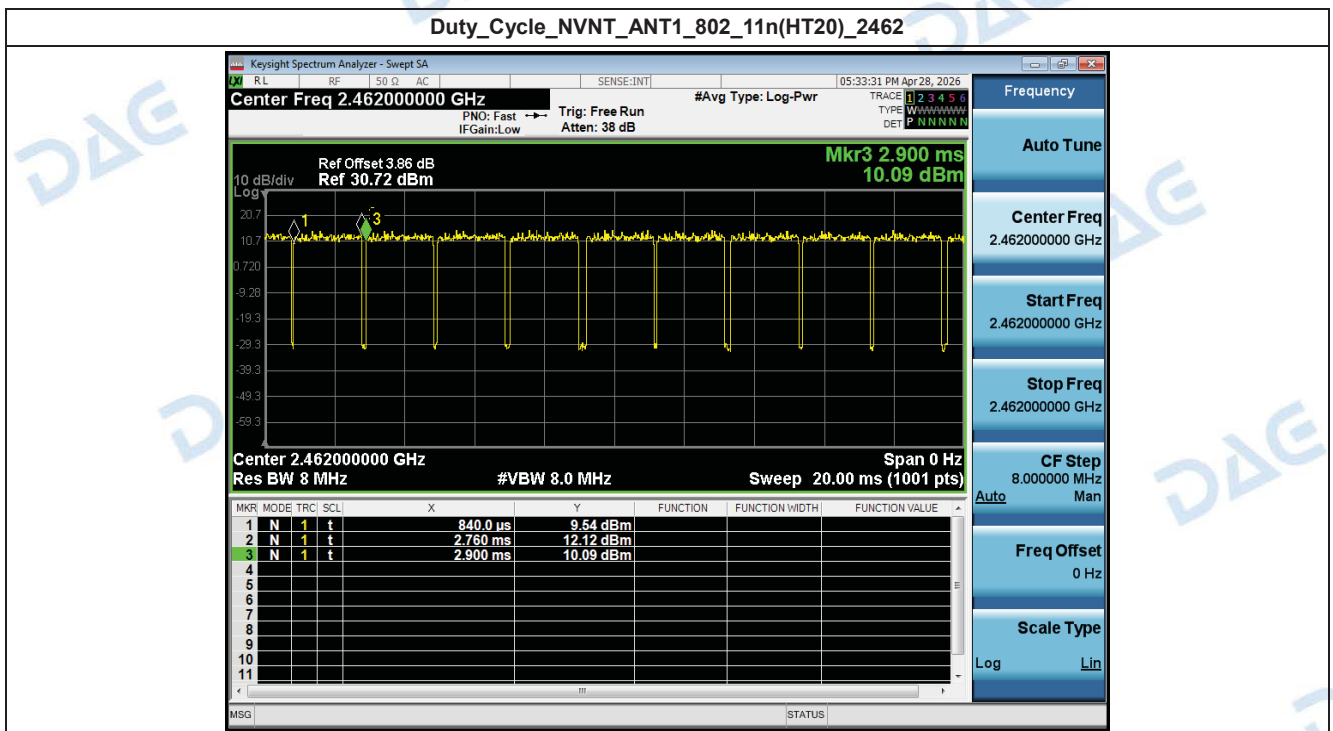
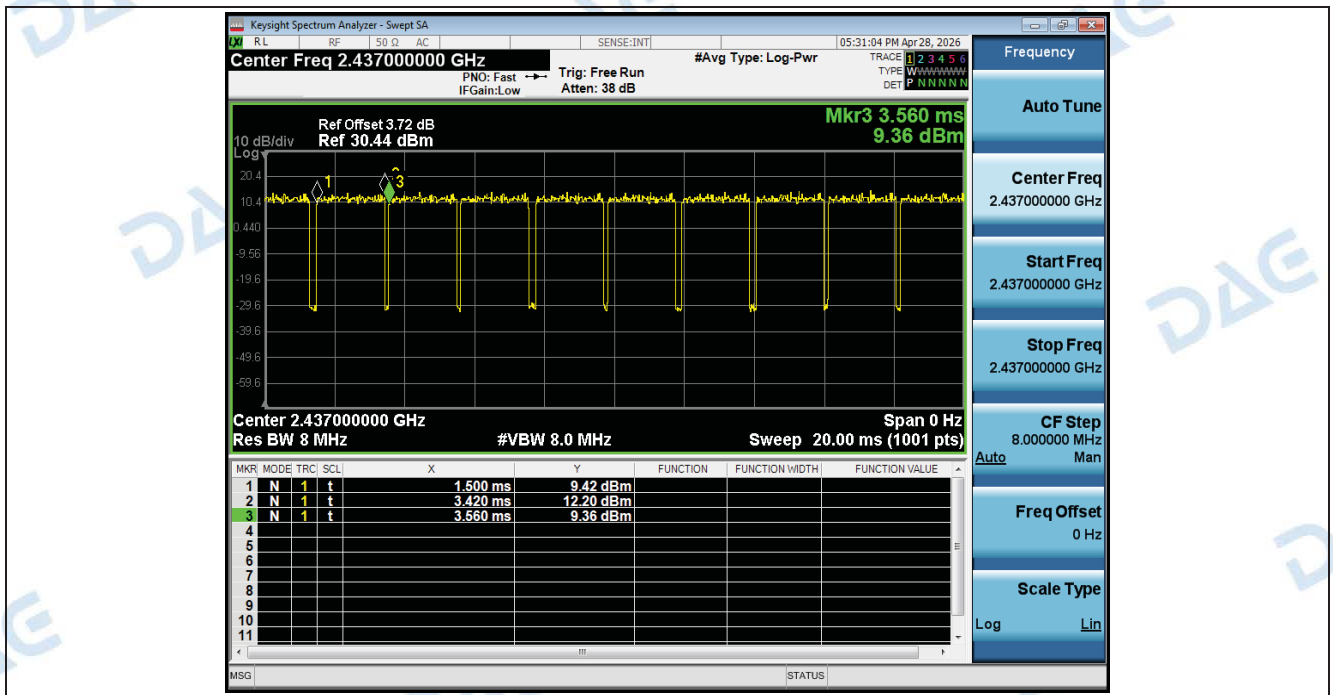
Duty_Cycle_NVNT_ANT1_802_11b_2437

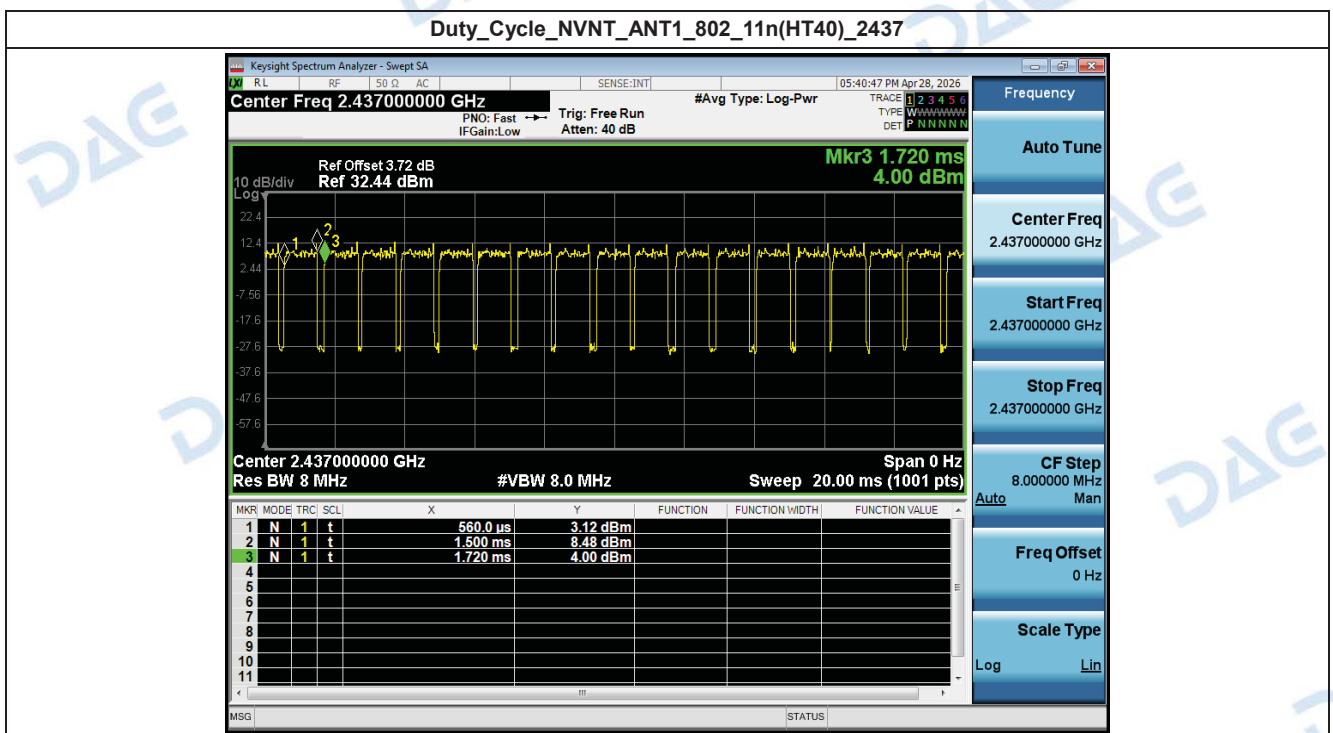
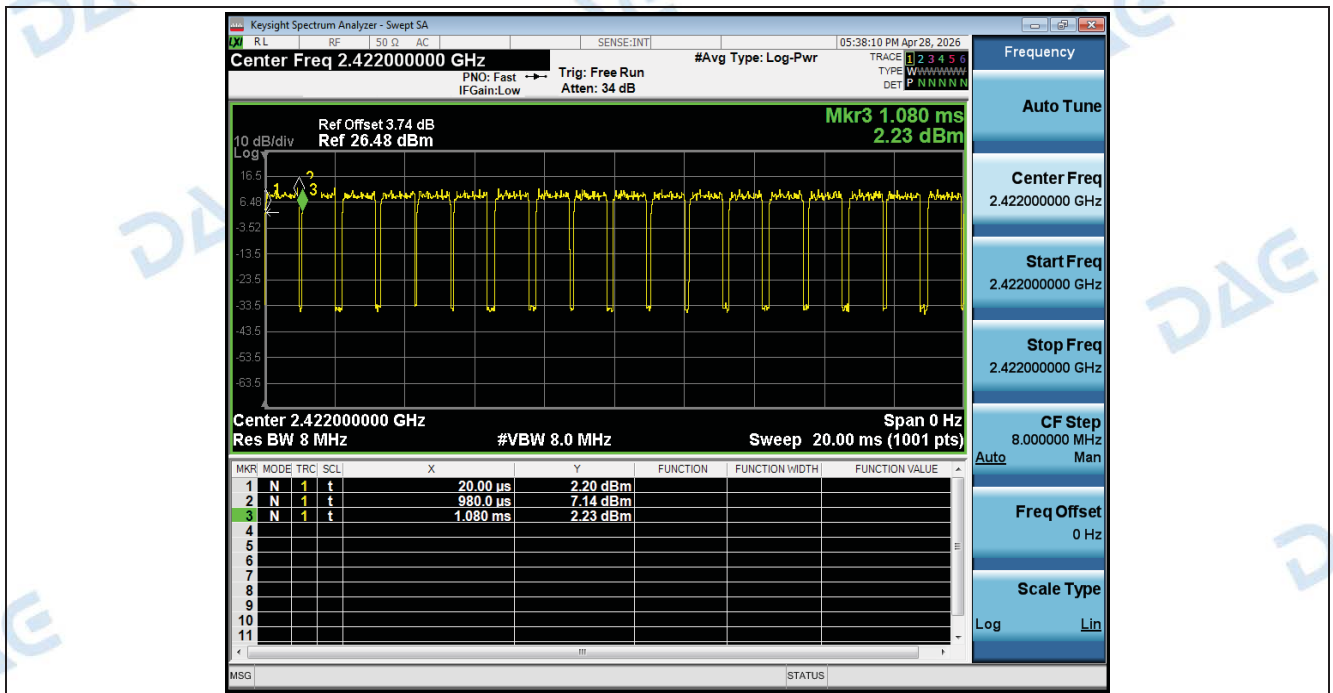




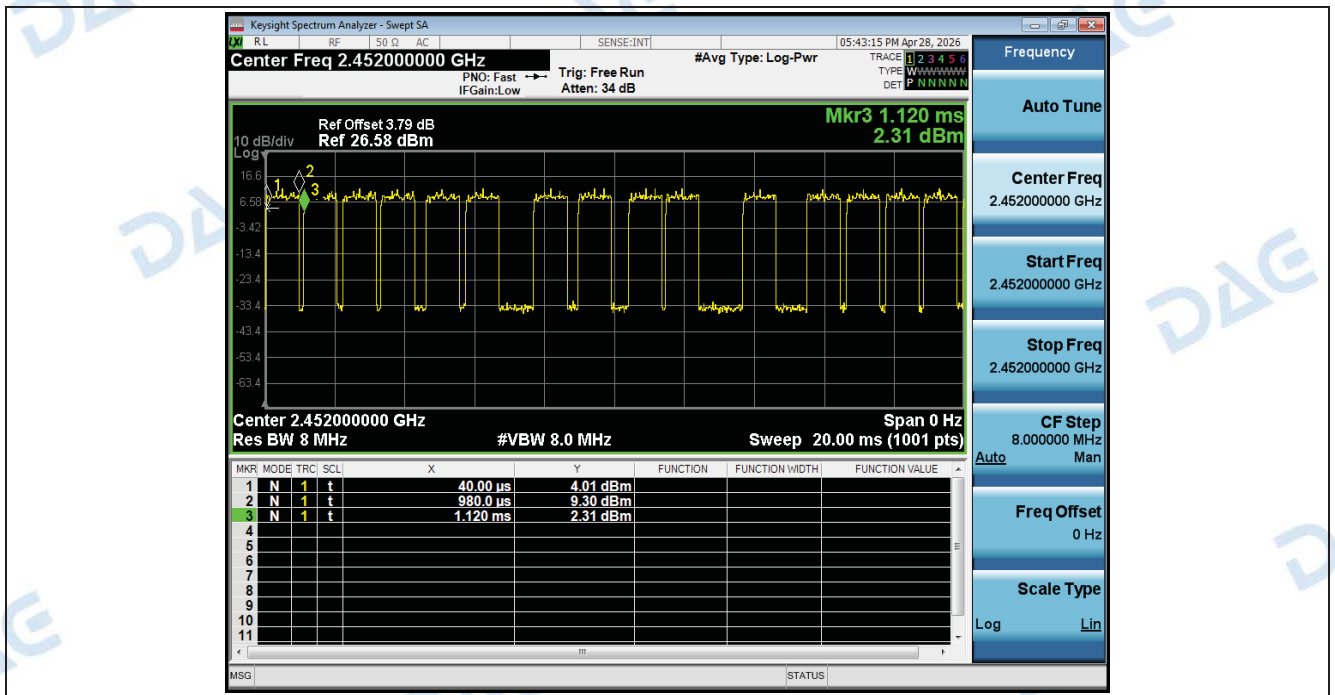


Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437





Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452



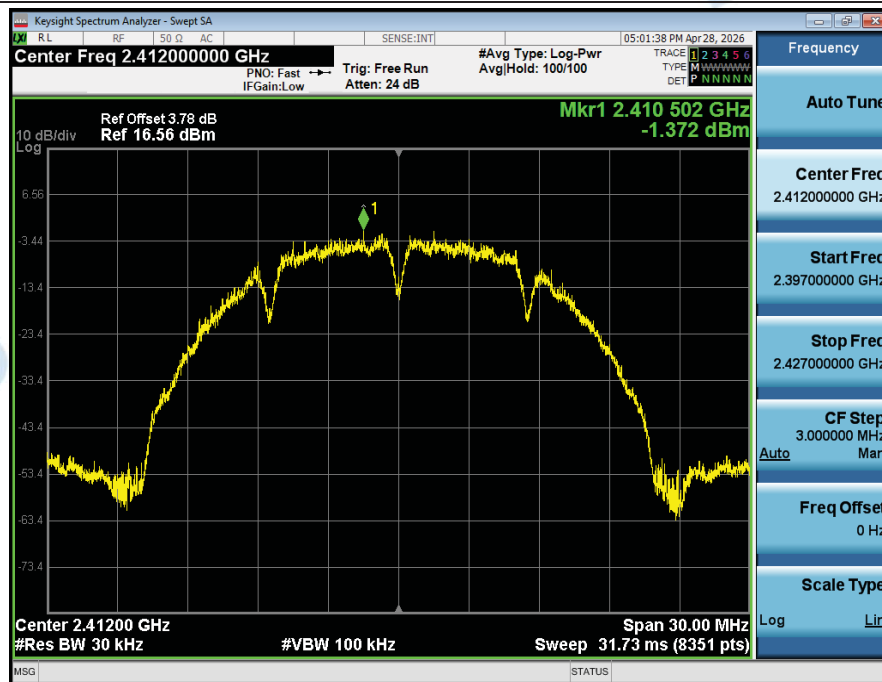
4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11b	2412.00	Peak	16.81	30	Pass
NVNT	ANT2	802.11b	2437.00	Peak	16.44	30	Pass
NVNT	ANT2	802.11b	2462.00	Peak	16.45	30	Pass
NVNT	ANT2	802.11g	2412.00	Peak	15.74	30	Pass
NVNT	ANT2	802.11g	2437.00	Peak	15.31	30	Pass
NVNT	ANT2	802.11g	2462.00	Peak	15.29	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	Peak	14.28	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	Peak	14.31	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	Peak	14.13	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	Peak	13.80	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	Peak	13.47	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	Peak	13.81	30	Pass

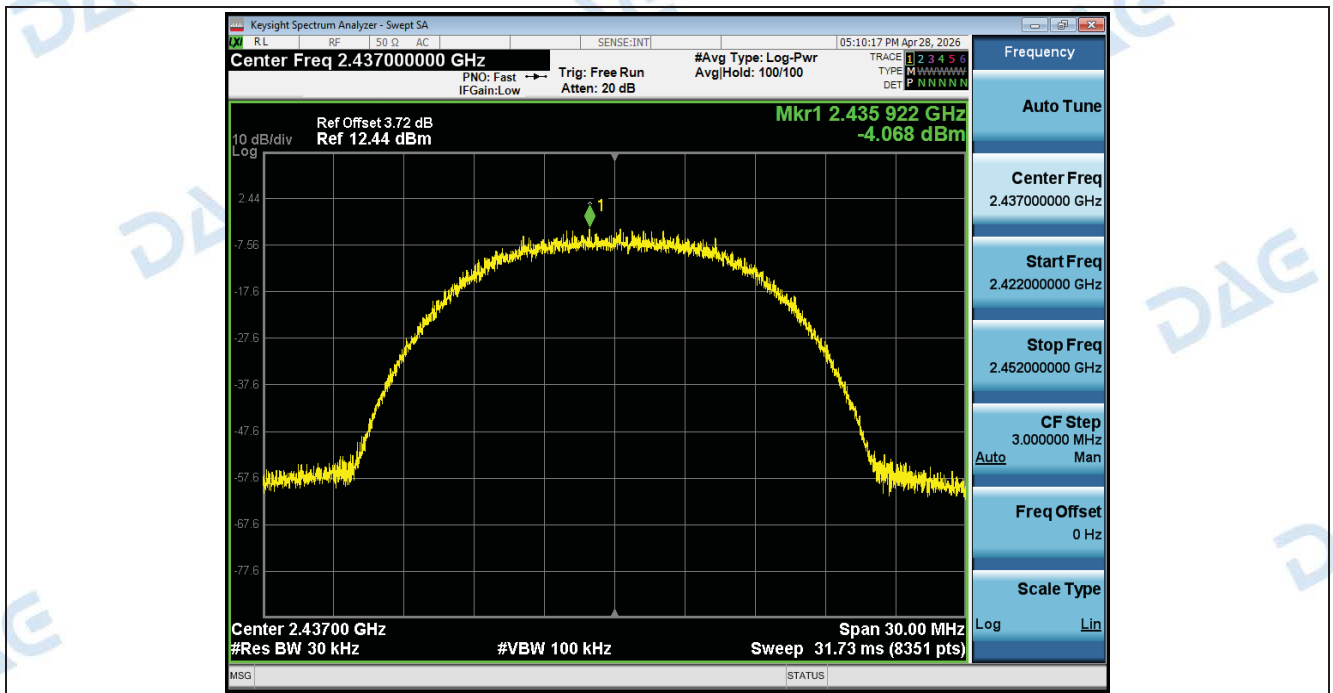
5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT2	802.11b	2412.00	-1.37	N/A	-10.00	-11.37	8	Pass
NVNT	ANT2	802.11b	2437.00	-4.07	N/A	-10.00	-14.07	8	Pass
NVNT	ANT2	802.11b	2462.00	-3.73	N/A	-10.00	-13.72	8	Pass
NVNT	ANT2	802.11g	2412.00	-6.04	N/A	-10.00	-16.05	8	Pass
NVNT	ANT2	802.11g	2437.00	-6.72	N/A	-10.00	-16.72	8	Pass
NVNT	ANT2	802.11g	2462.00	-6.25	N/A	-10.00	-16.25	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-8.16	N/A	-10.00	-18.16	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-8.38	N/A	-10.00	-18.38	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-8.58	N/A	-10.00	-18.58	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-11.60	N/A	-10.00	-21.60	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-11.80	N/A	-10.00	-21.80	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-11.84	N/A	-10.00	-21.84	8	Pass

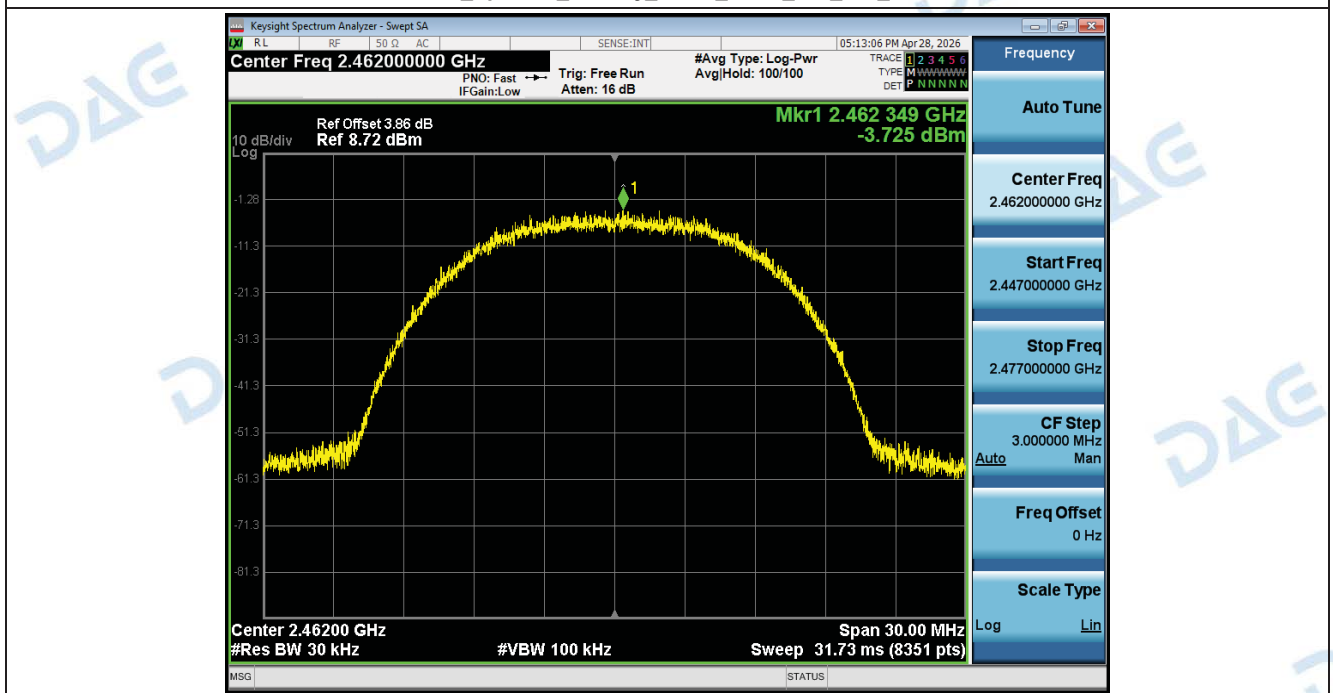
Power_Spectral_Density_NVNT_ANT1_802_11b_2412



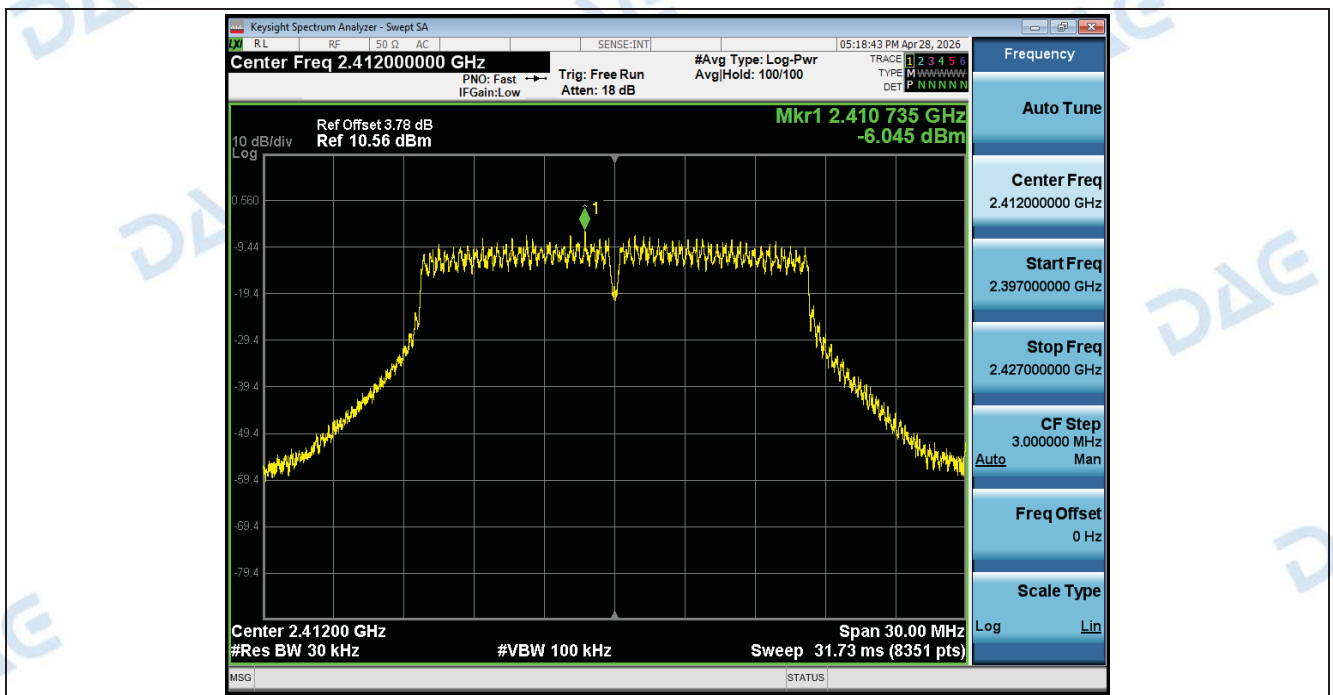
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



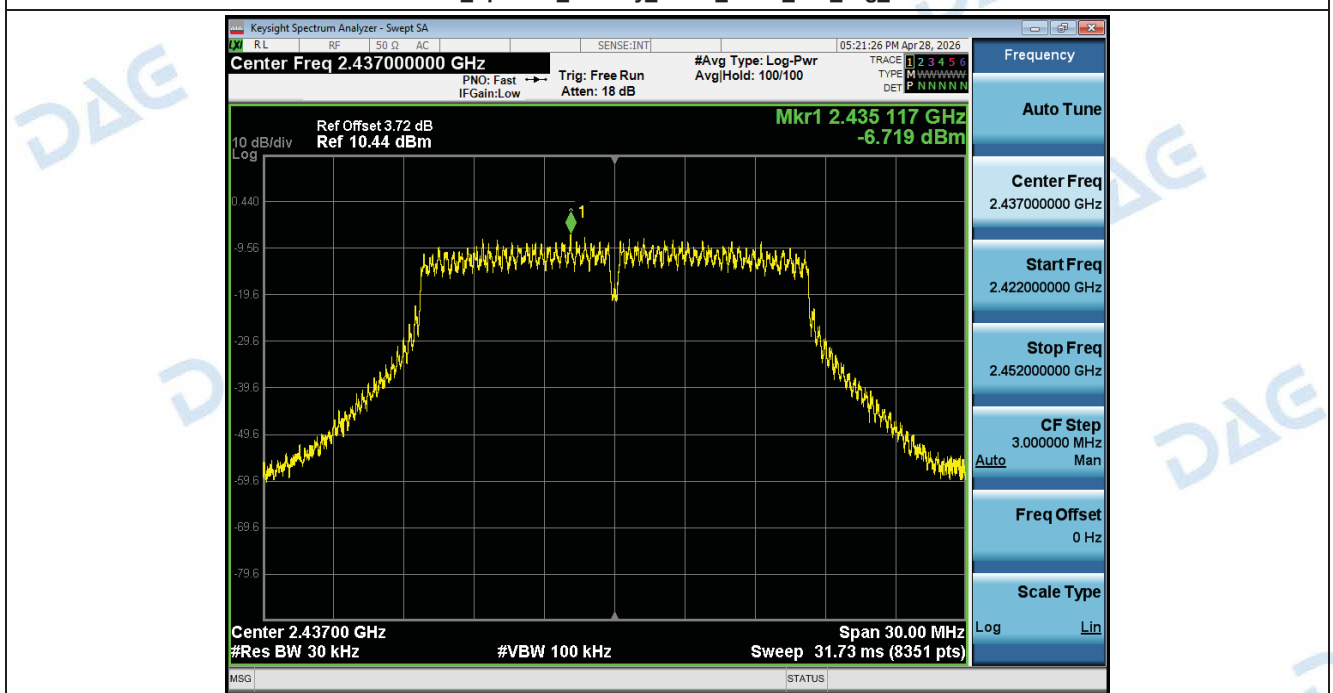
Power_Spectral_Density_NVNT_ANT1_802_11b_2462



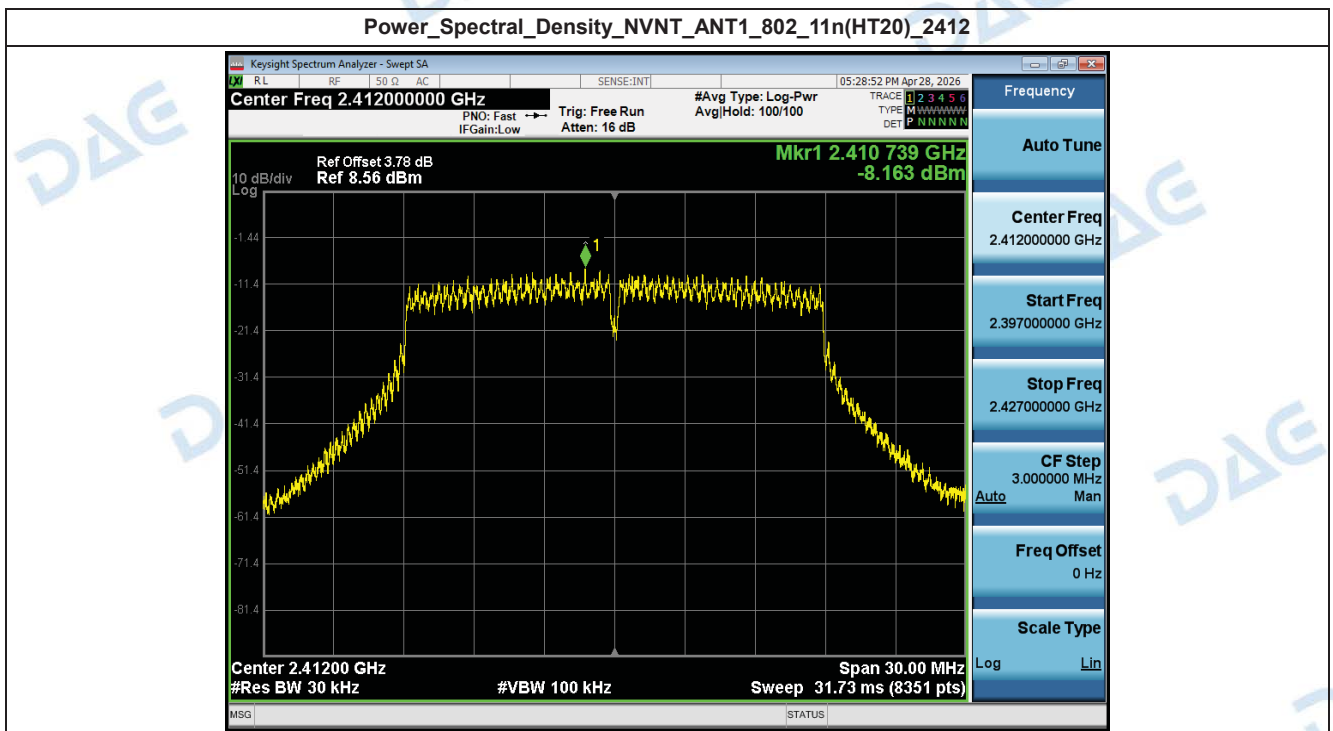
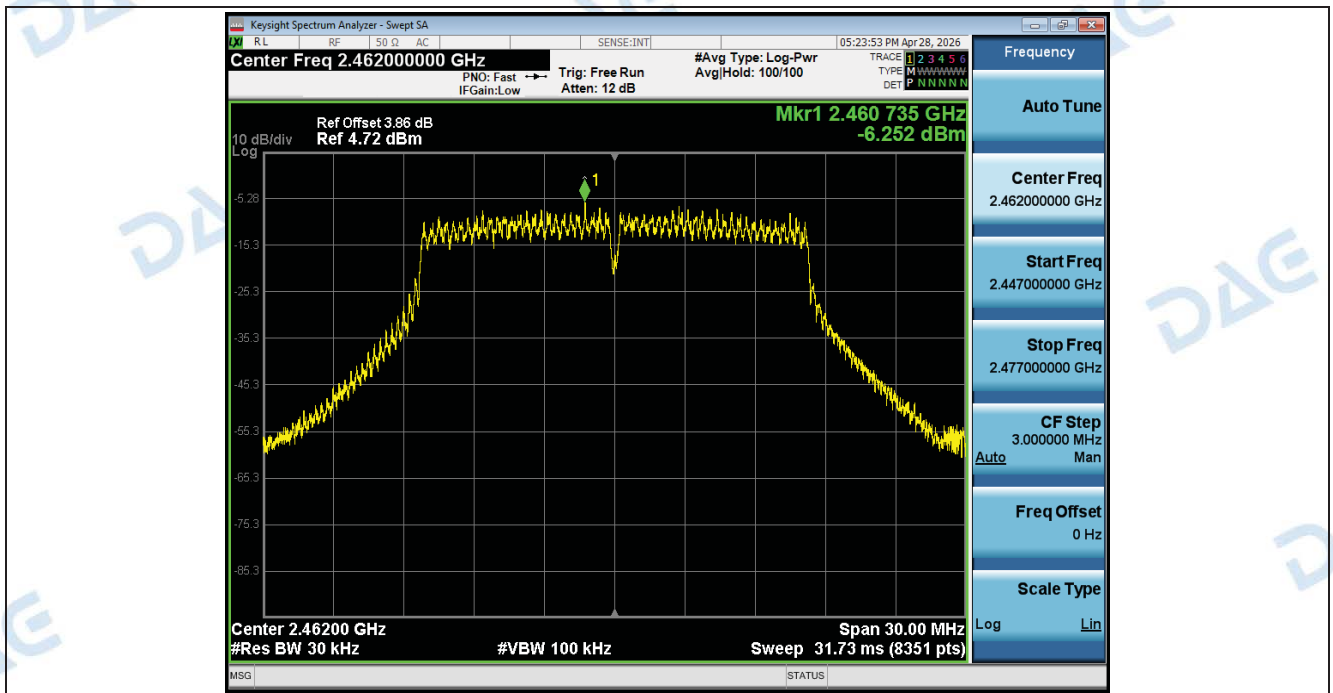
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



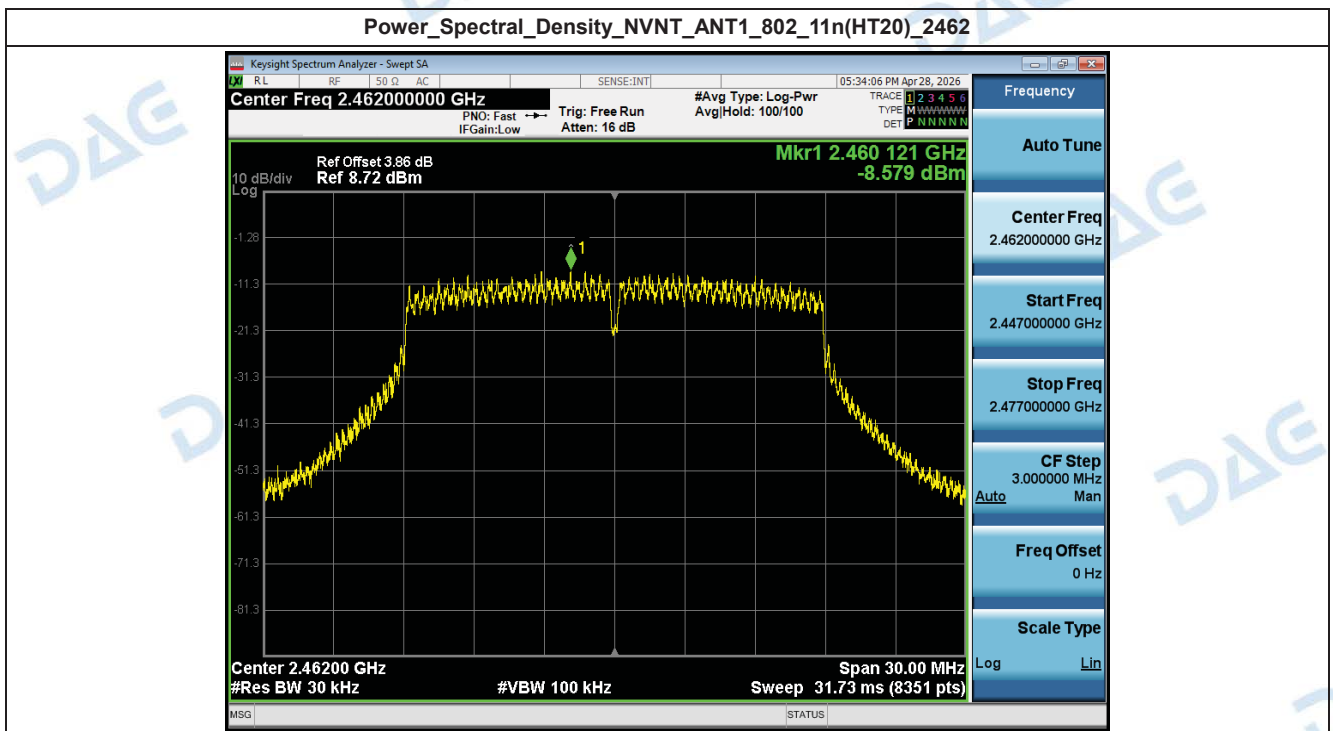
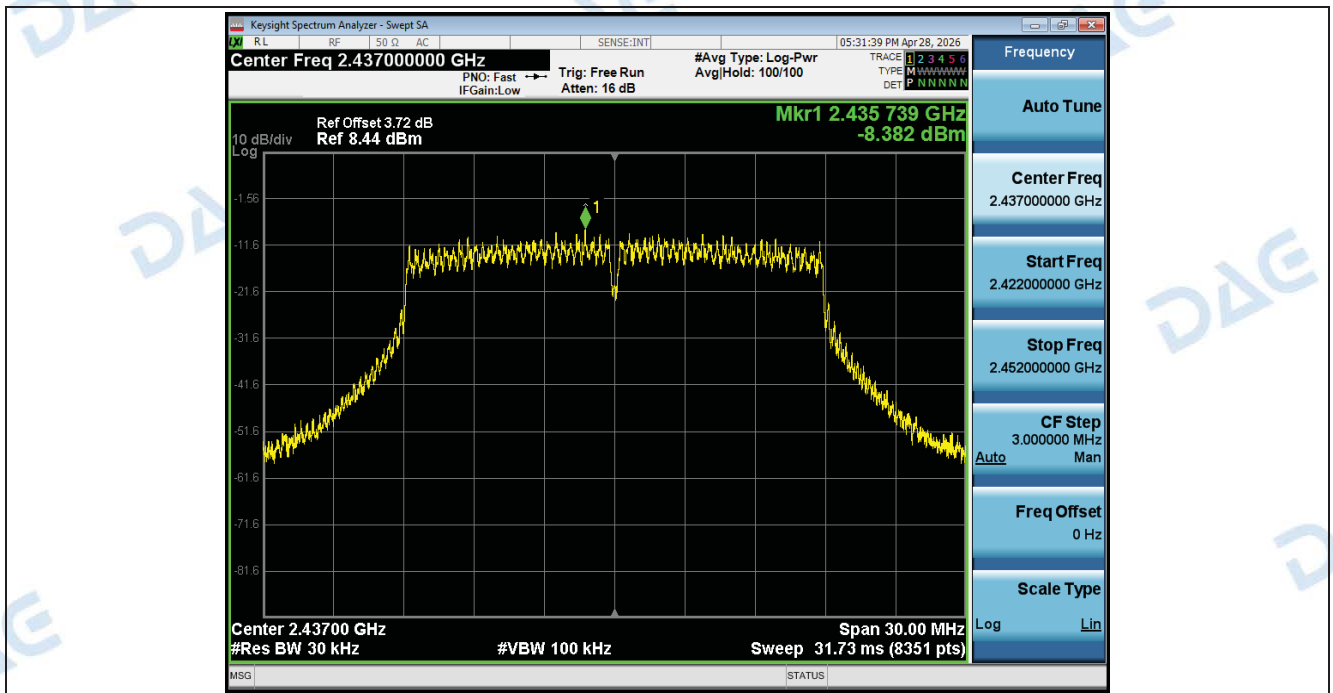
Power_Spectral_Density_NVNT_ANT1_802_11g_2437



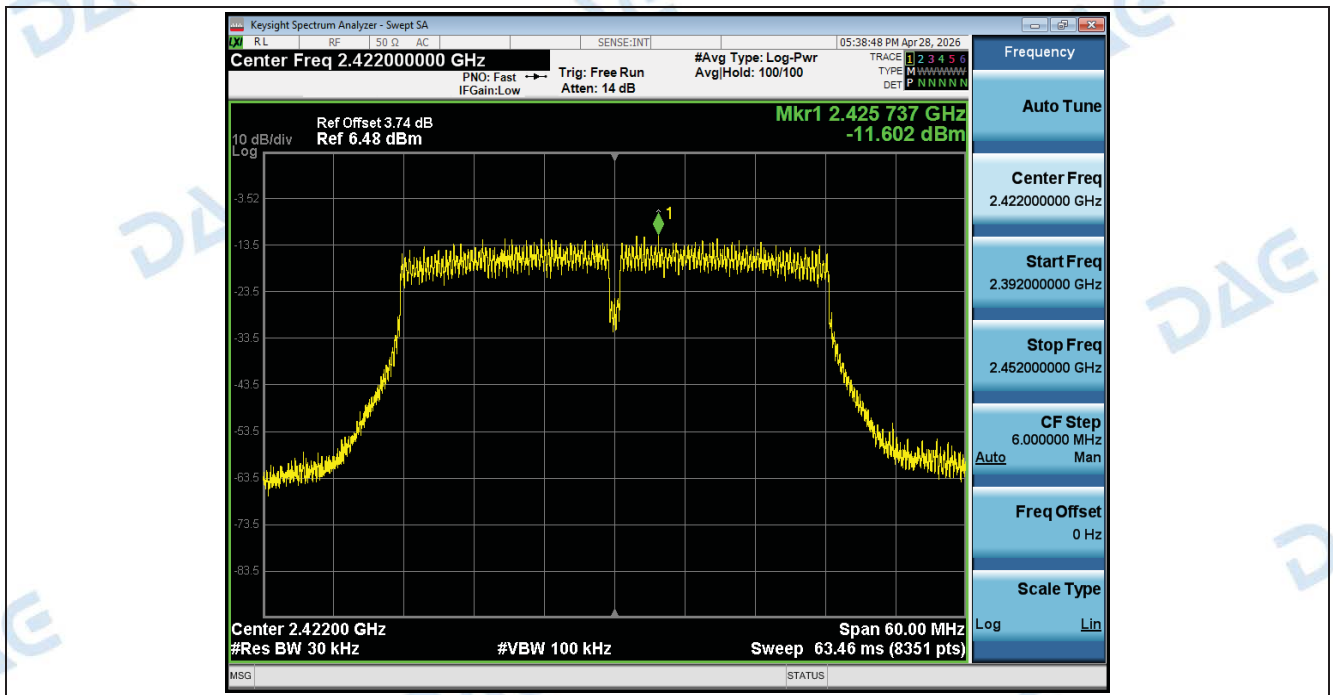
Power_Spectral_Density_NVNT_ANT1_802_11g_2462



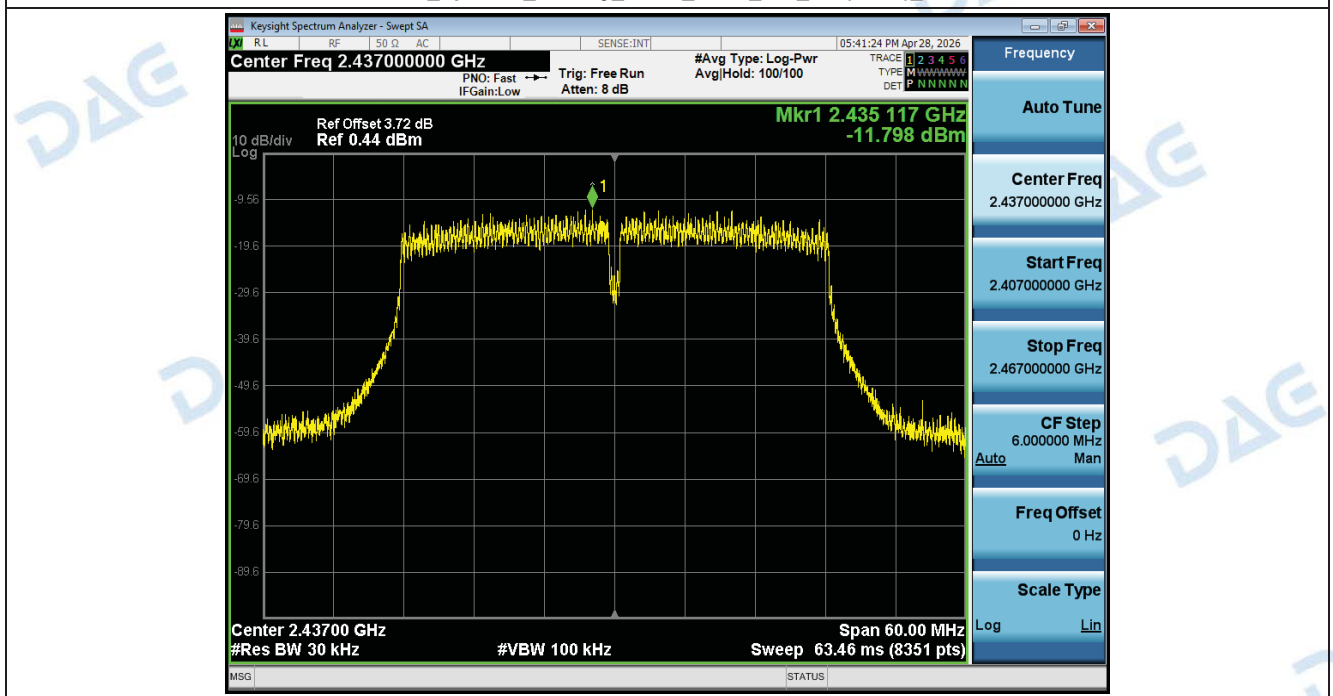
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



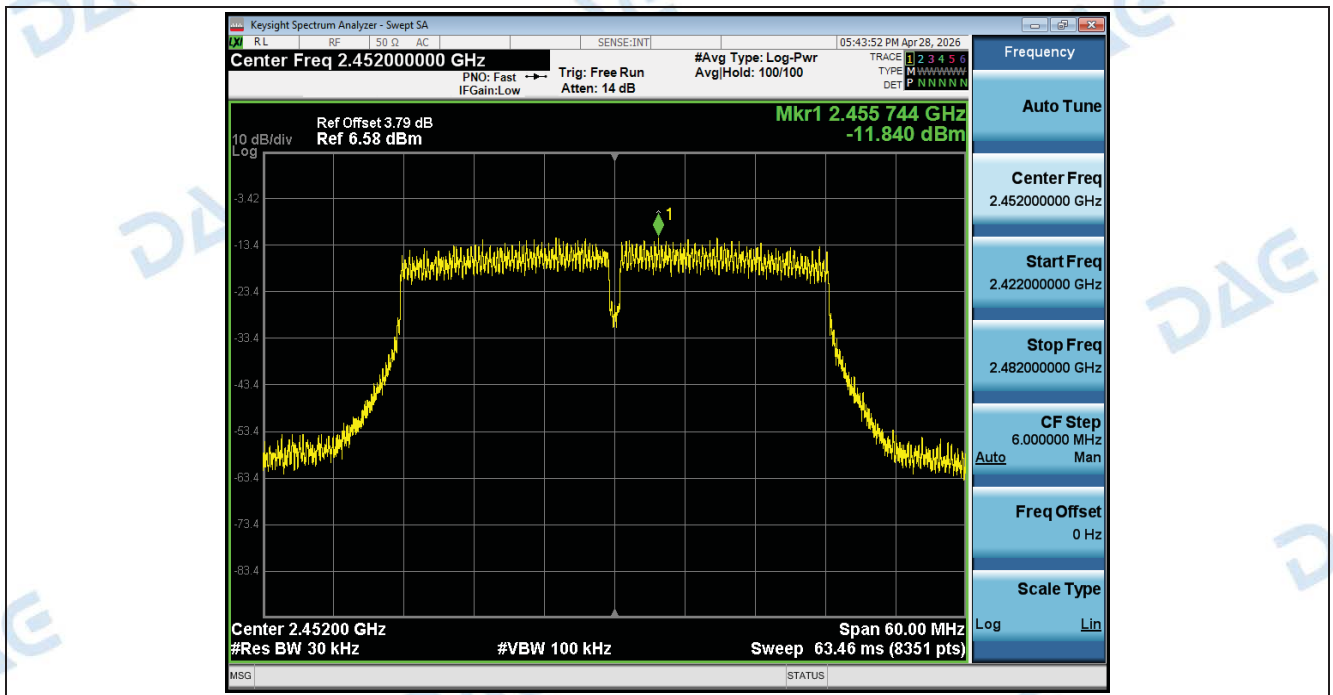
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452



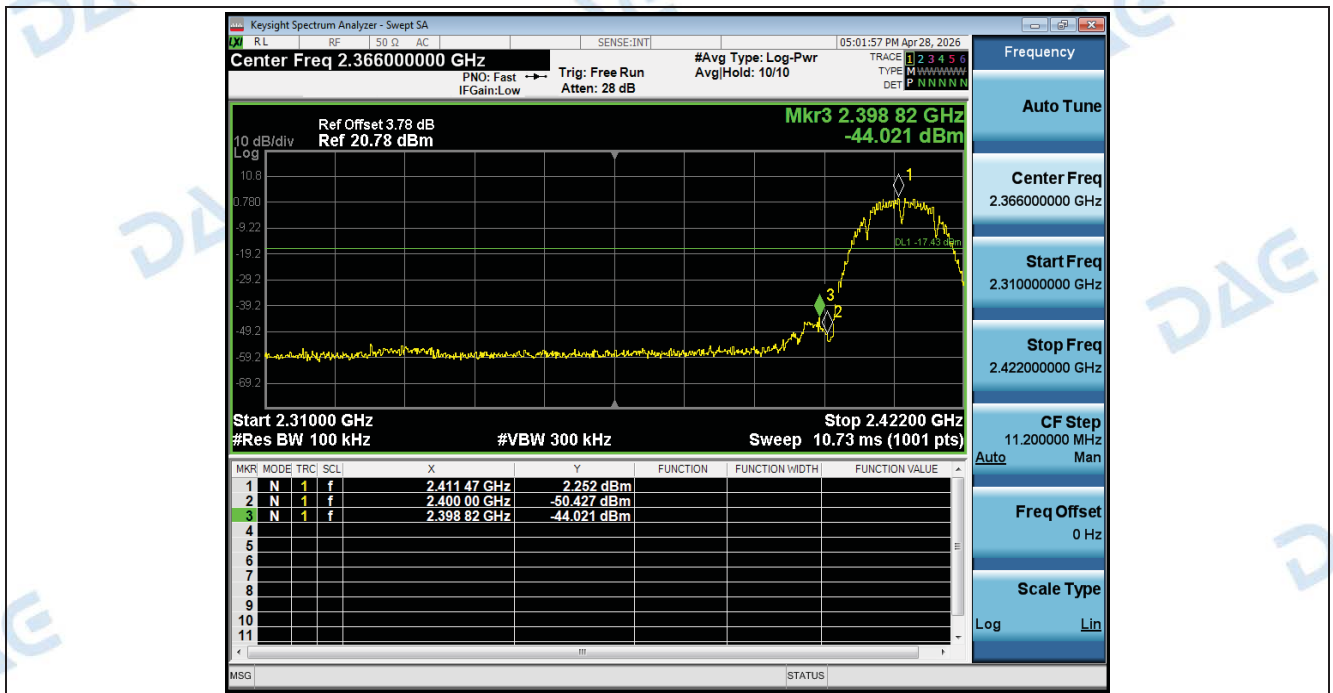
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11b	2412.00	2398.816	2.571	-44.021	-17.429	Pass
NVNT	ANT2	802.11b	2462.00	2488.576	1.083	-56.557	-18.917	Pass
NVNT	ANT2	802.11g	2412.00	2399.712	-2.364	-42.504	-22.364	Pass
NVNT	ANT2	802.11g	2462.00	2489.104	-2.078	-54.086	-22.078	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	2399.824	-3.986	-40.708	-23.986	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	2484.592	-3.748	-57.082	-23.748	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	2399.892	-6.794	-46.936	-26.794	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2488.236	-6.674	-52.071	-26.674	Pass

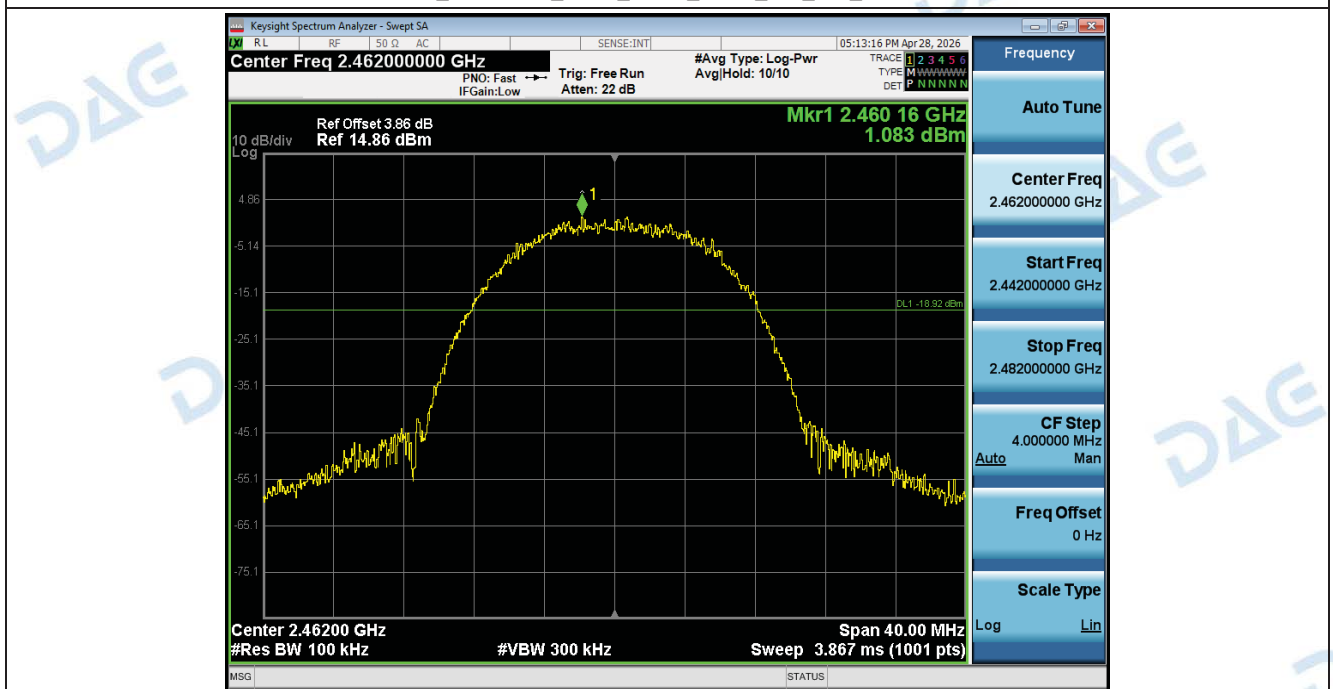
1_Reference_Level_NVNT_ANT1_802_11b_2412



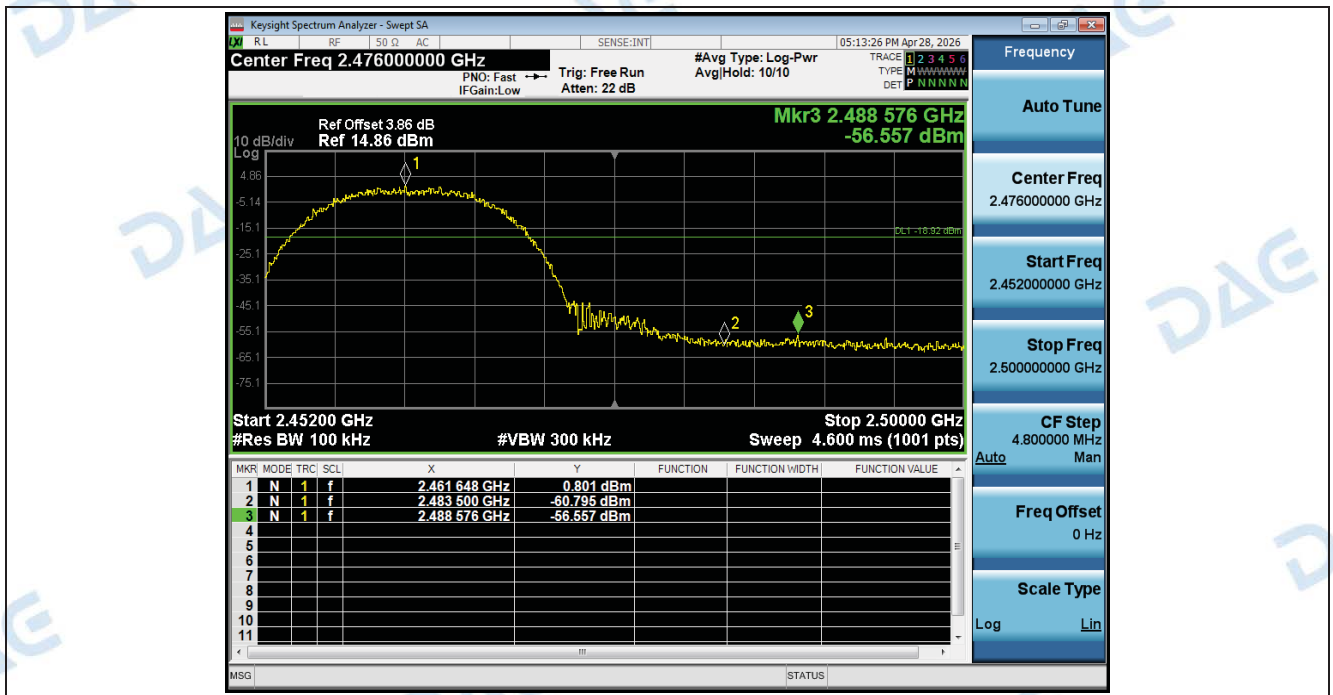
2_Bandedge_NVNT_ANT1_802_11b_2412



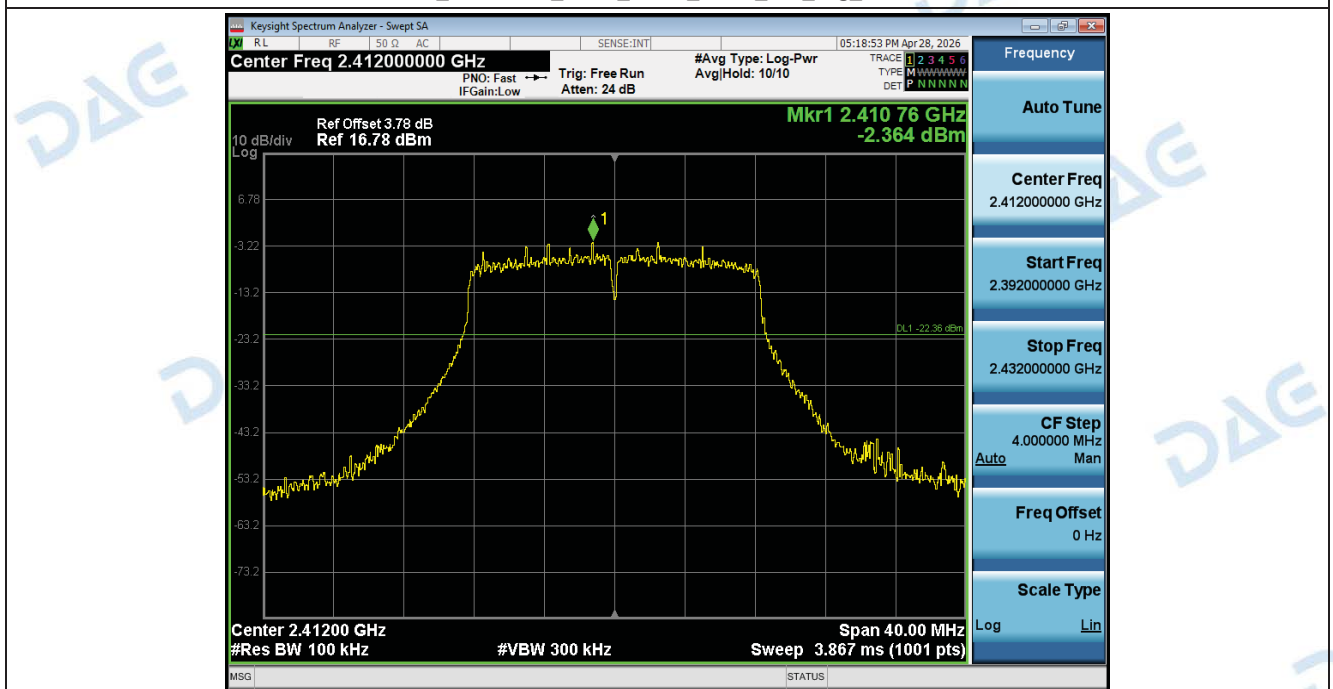
1_Reference_Level_NVNT_ANT1_802_11b_2462



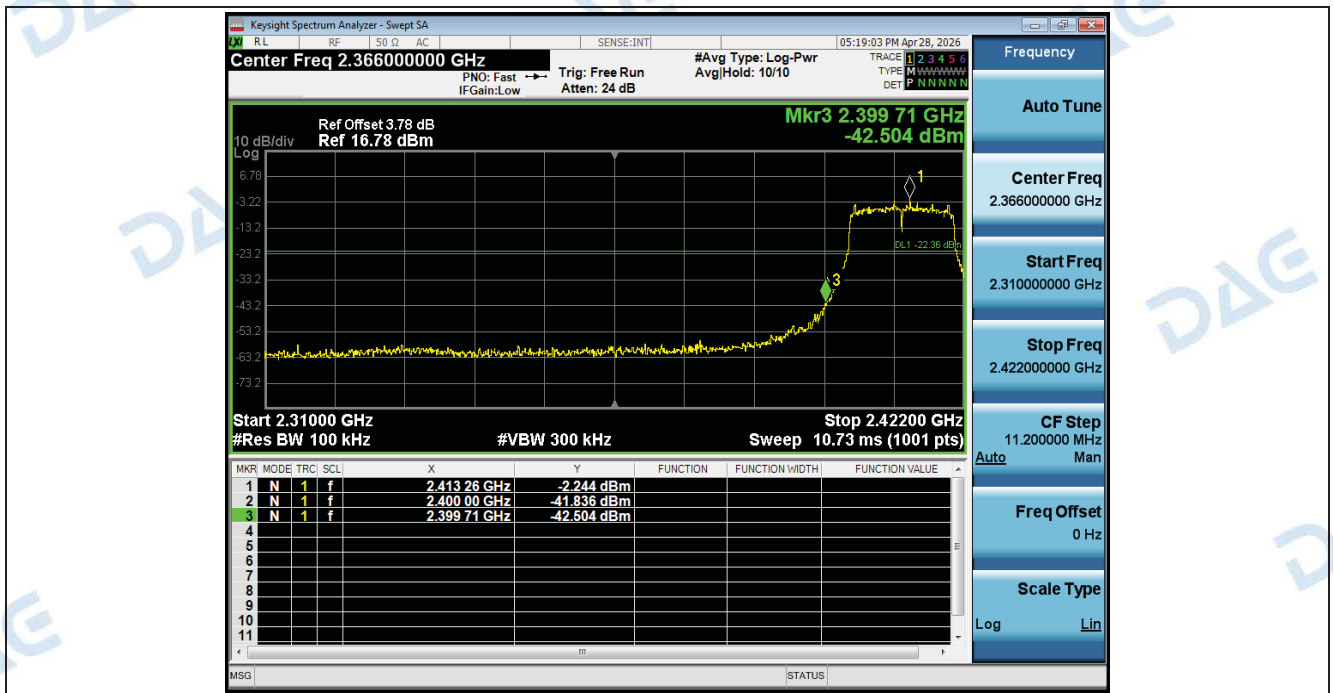
2_Bandedge_NVNT_ANT1_802_11b_2462



1_Reference_Level_NVNT_ANT1_802_11g_2412



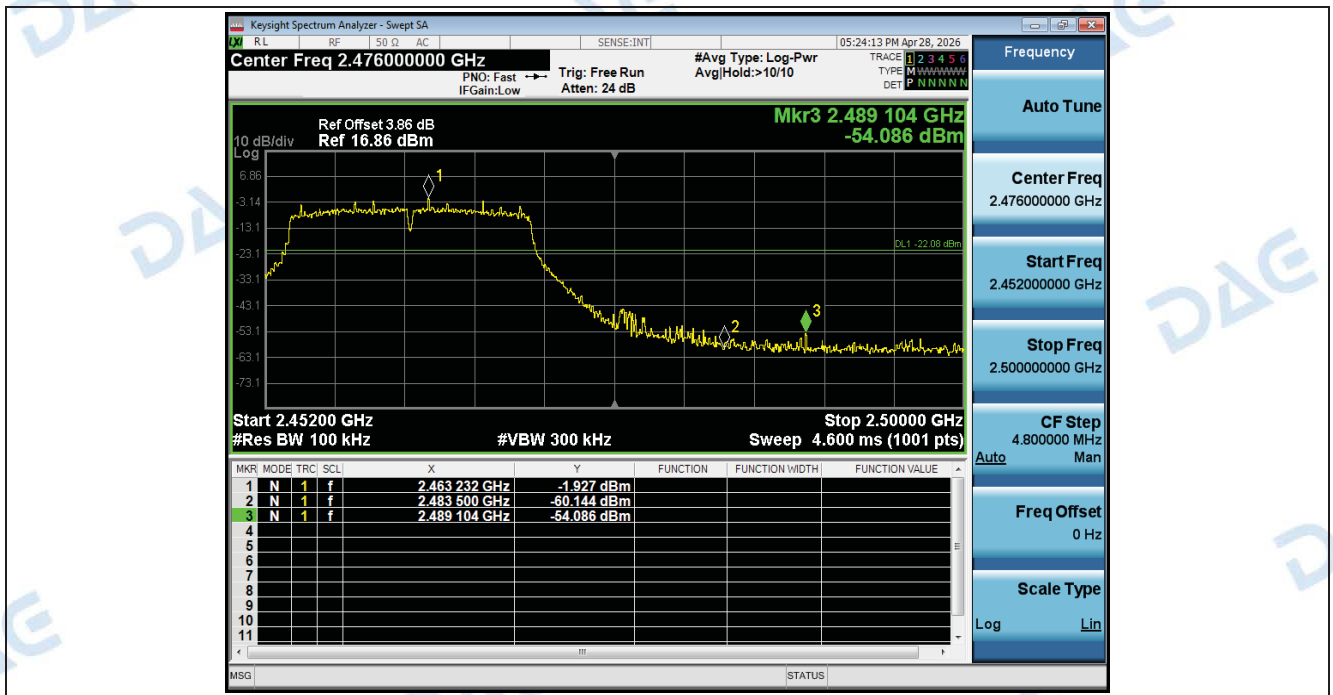
2_Bandedge_NVNT_ANT1_802_11g_2412



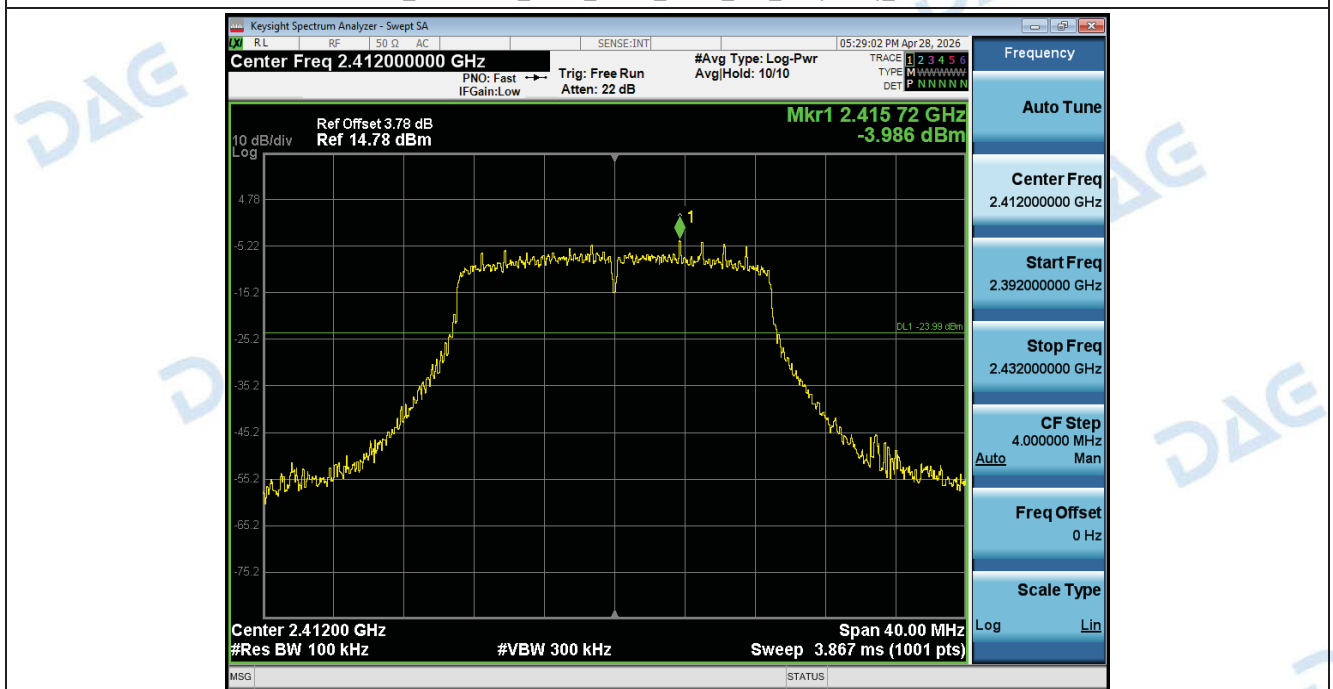
1_Reference_Level_NVNT_ANT1_802_11g_2462



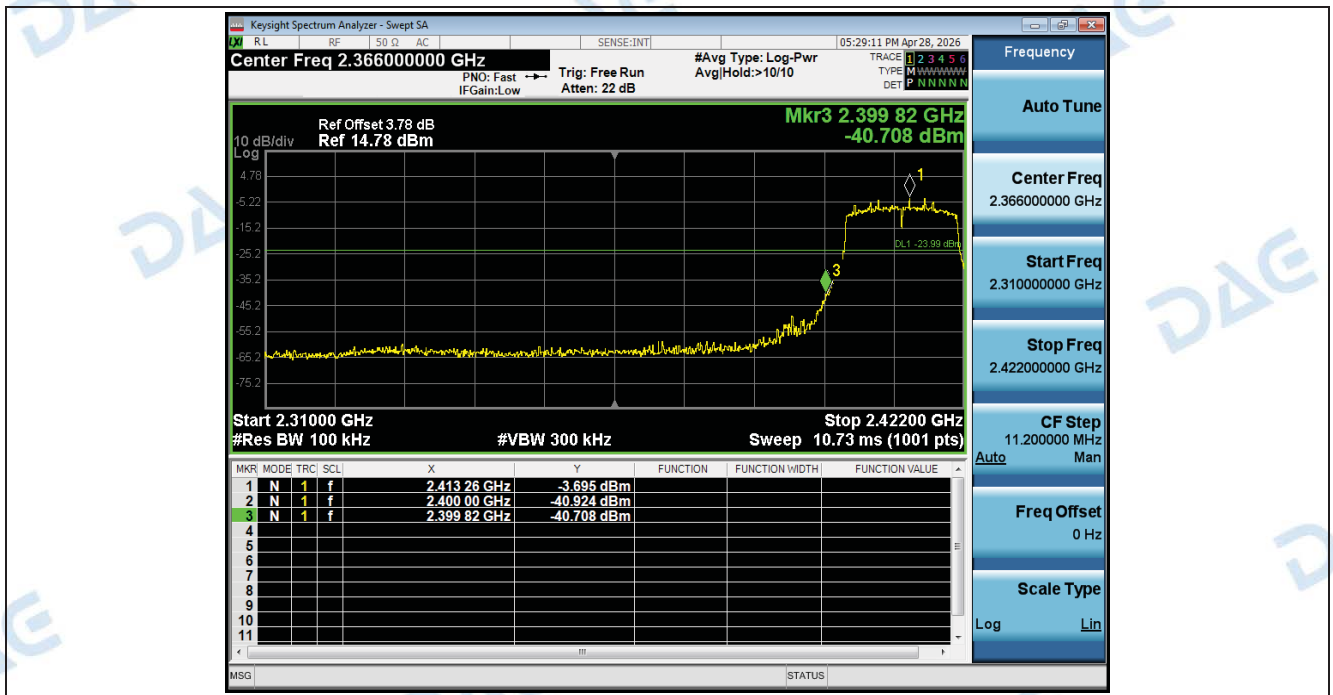
2_Bandedge_NVNT_ANT1_802_11g_2462



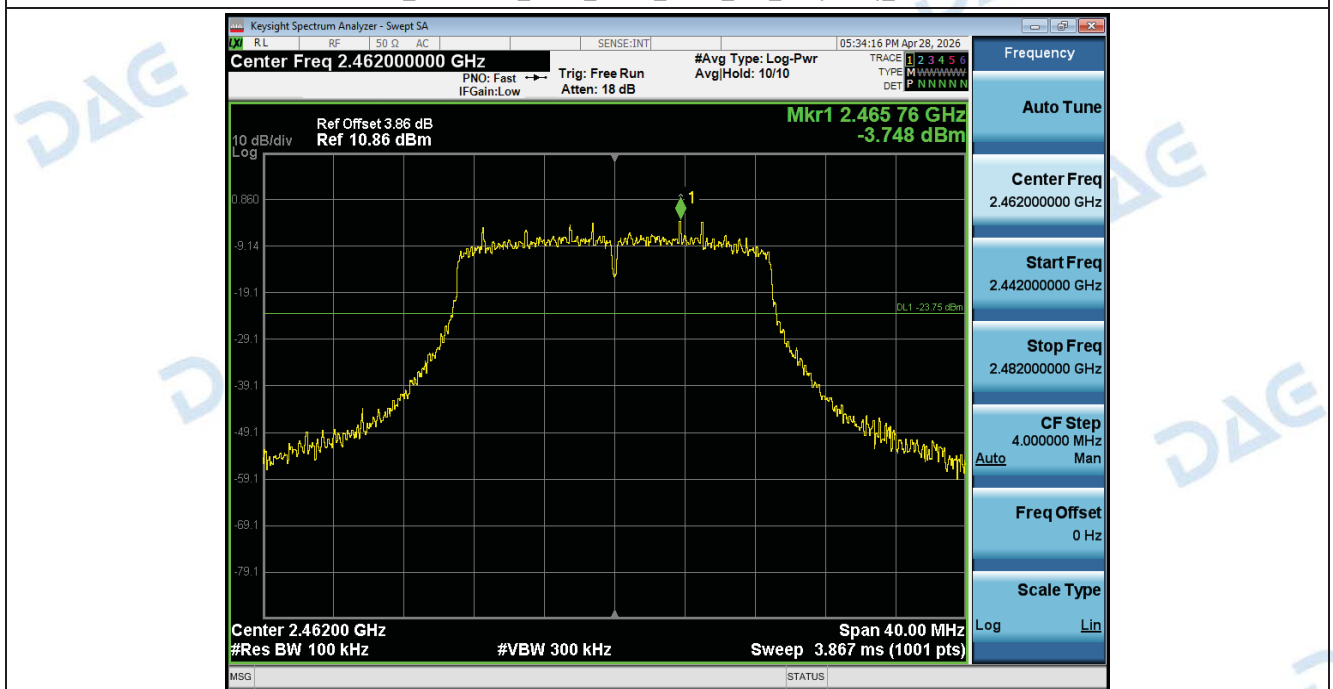
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



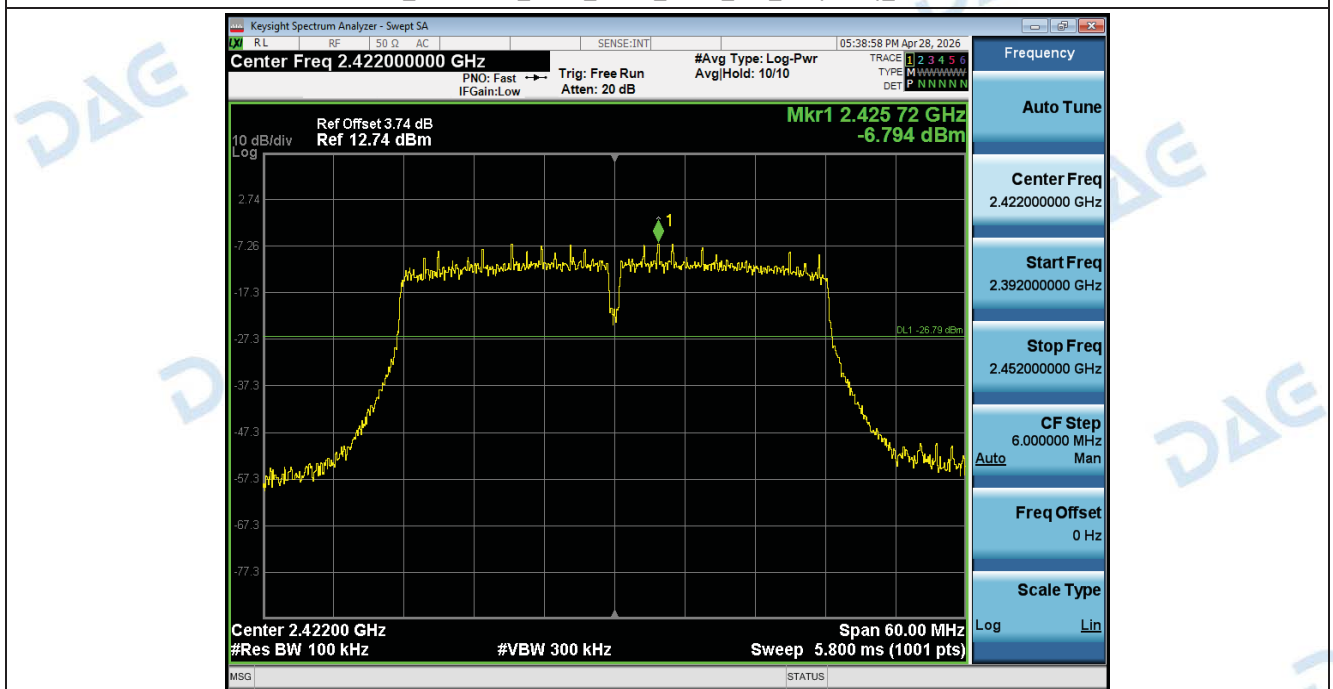
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



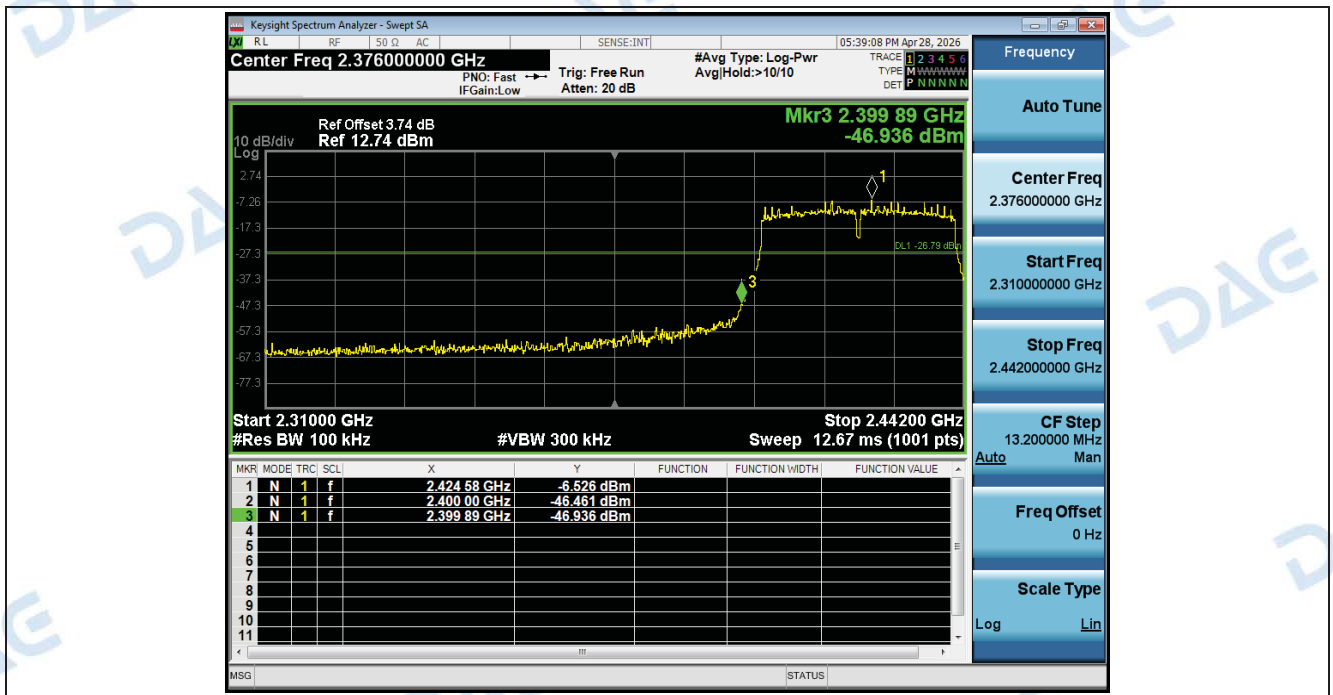
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



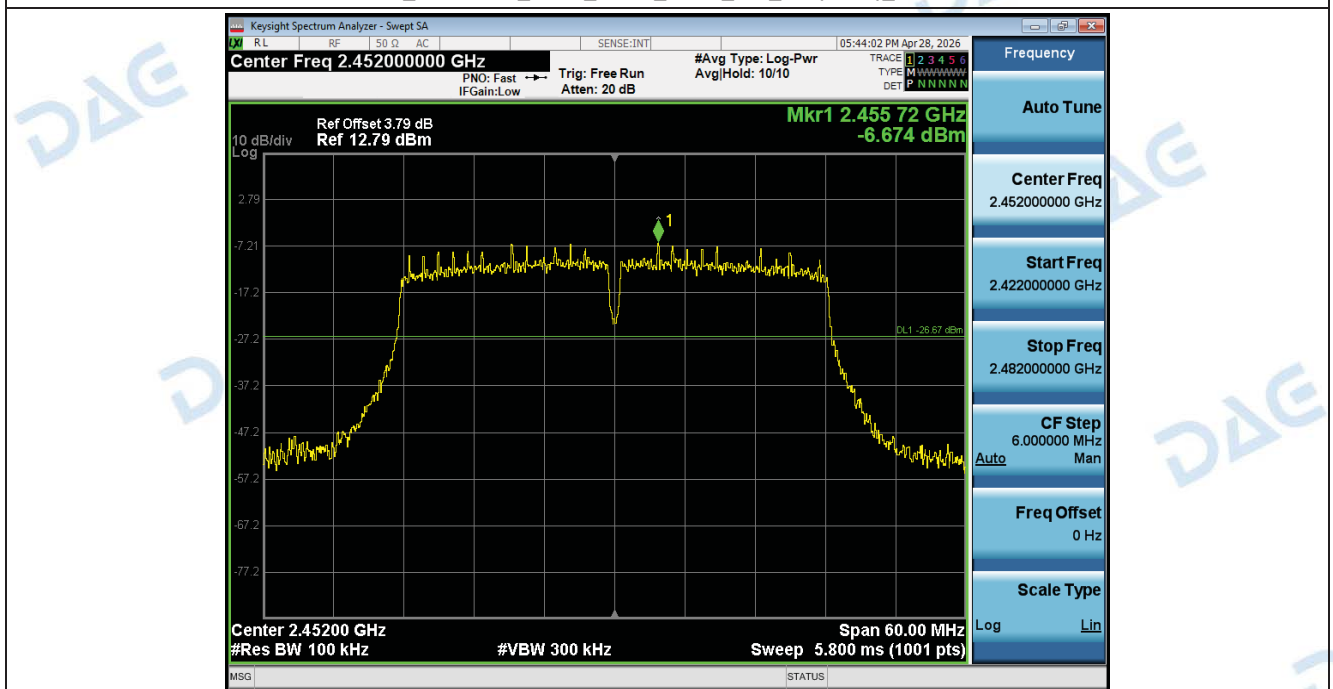
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



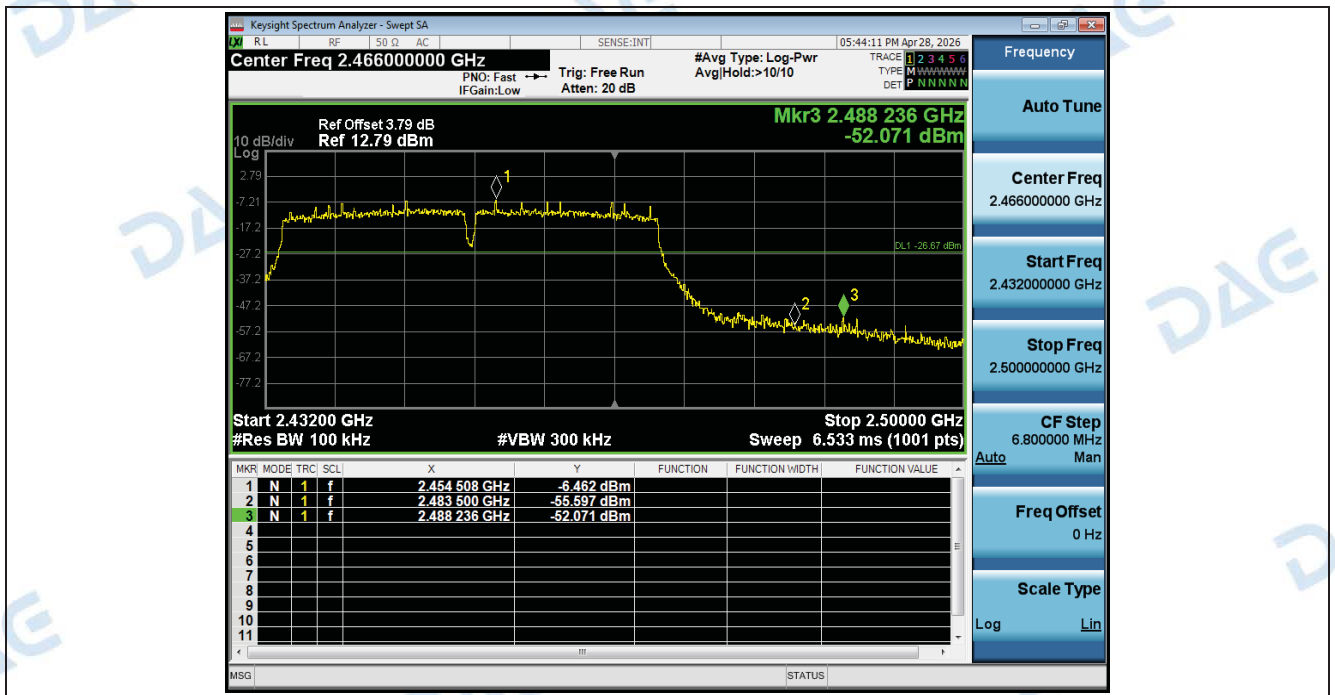
2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452



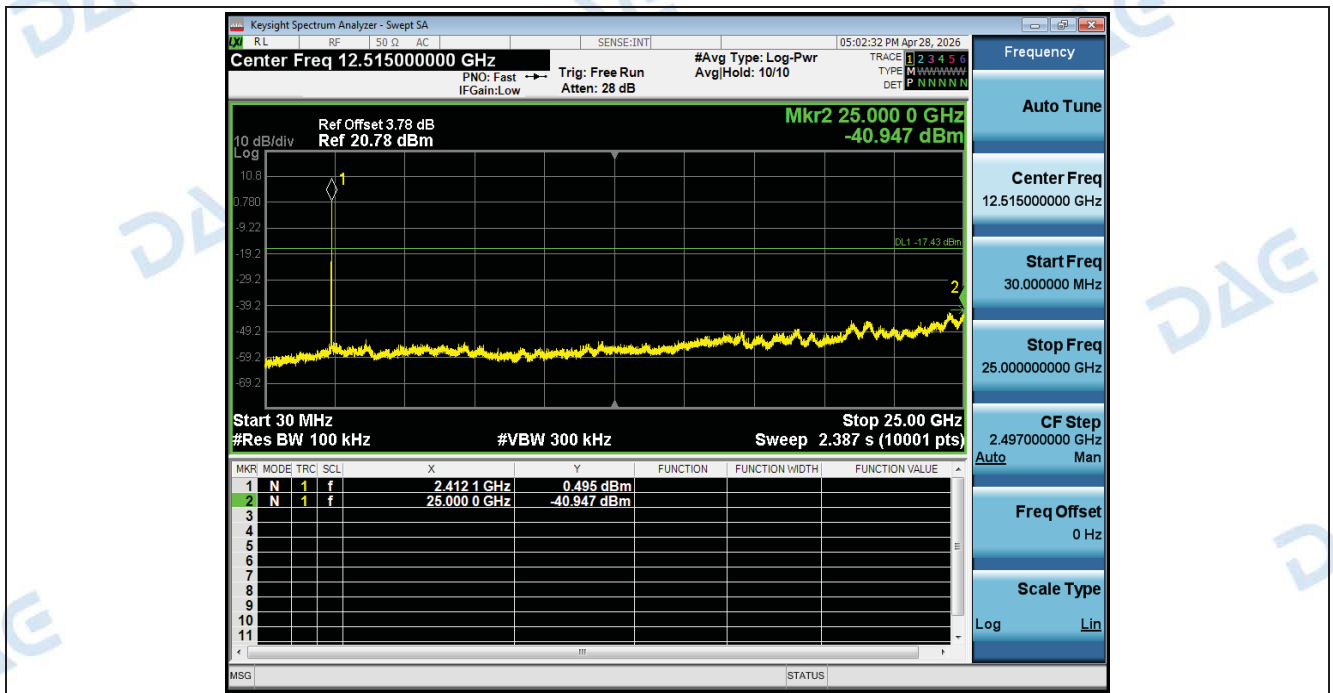
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11b	2412.00	25000.000	2.571	-40.947	-17.429	Pass
NVNT	ANT2	802.11b	2437.00	24485.618	-0.068	-43.487	-20.068	Pass
NVNT	ANT2	802.11b	2462.00	24962.545	1.083	-47.863	-18.917	Pass
NVNT	ANT2	802.11g	2412.00	24962.545	-2.364	-44.432	-22.364	Pass
NVNT	ANT2	802.11g	2437.00	24500.600	-1.873	-46.000	-21.873	Pass
NVNT	ANT2	802.11g	2462.00	24505.594	-2.078	-44.955	-22.078	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	24892.629	-3.986	-47.970	-23.986	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	24970.036	-3.872	-51.327	-23.872	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	24985.018	-3.748	-52.141	-23.748	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	24995.006	-6.794	-49.567	-26.794	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	24540.552	-6.997	-49.782	-26.997	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	24995.006	-6.674	-49.720	-26.674	Pass

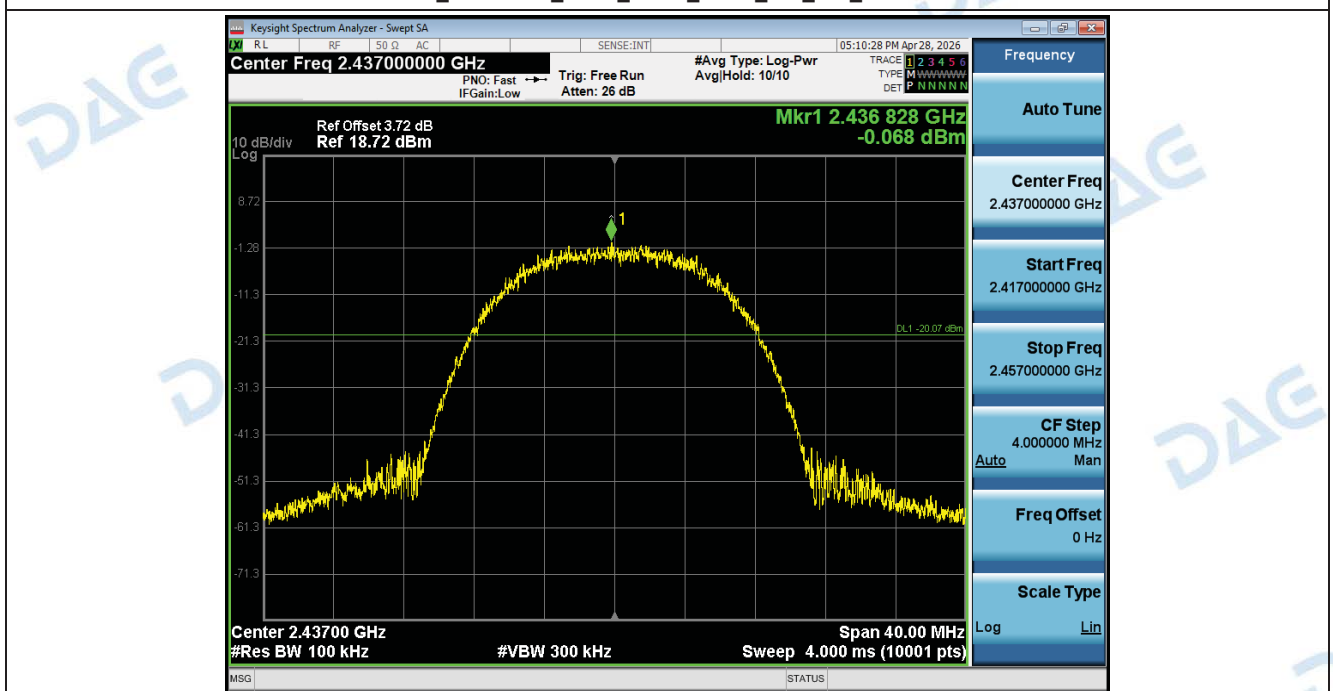
1_Reference_Level_NVNT_ANT1_802_11b_2412



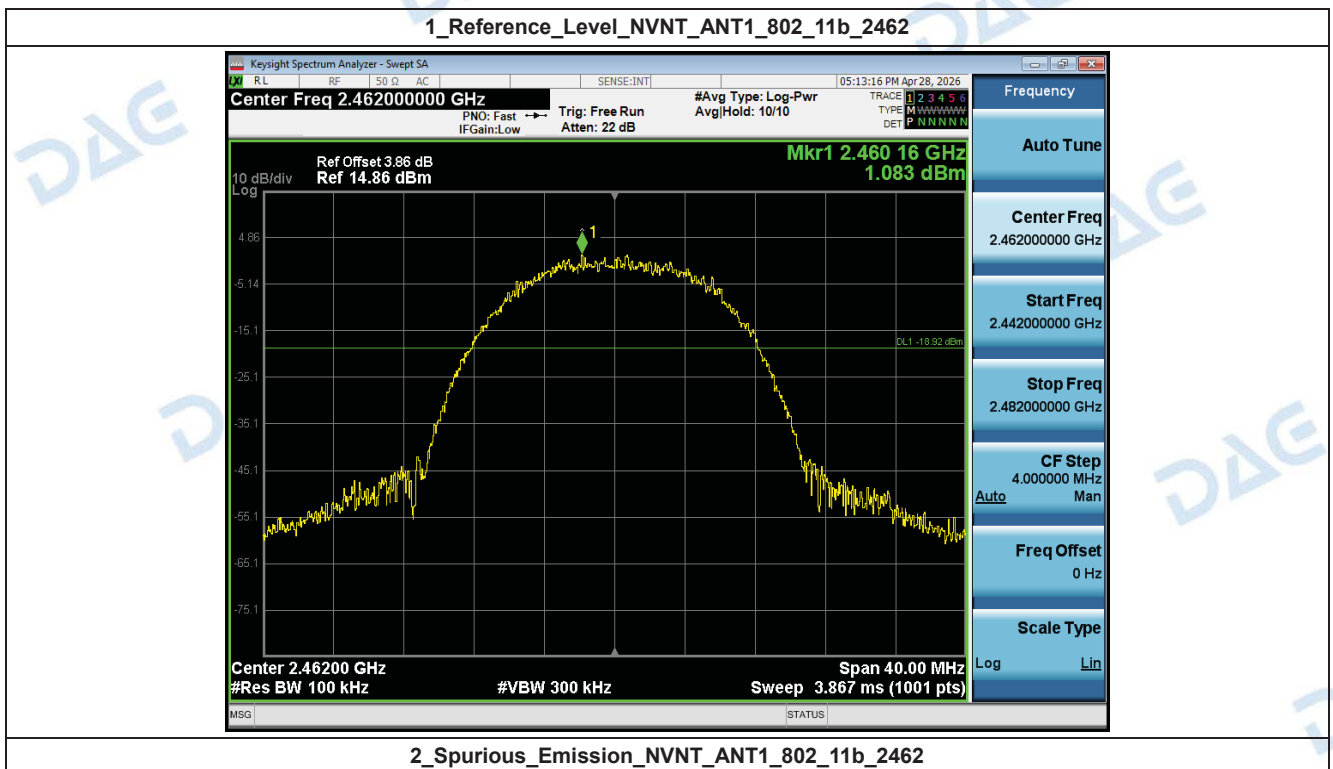
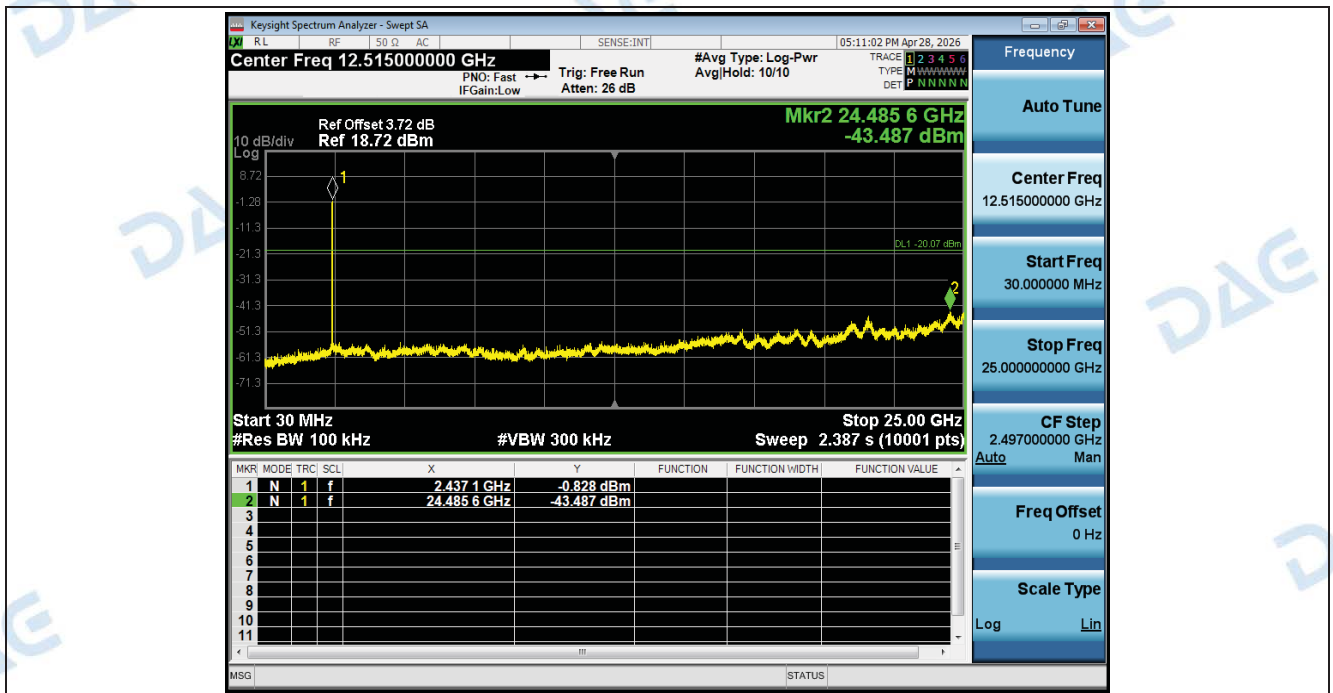
2_Spurious_Emission_NVNT_ANT1_802_11b_2412



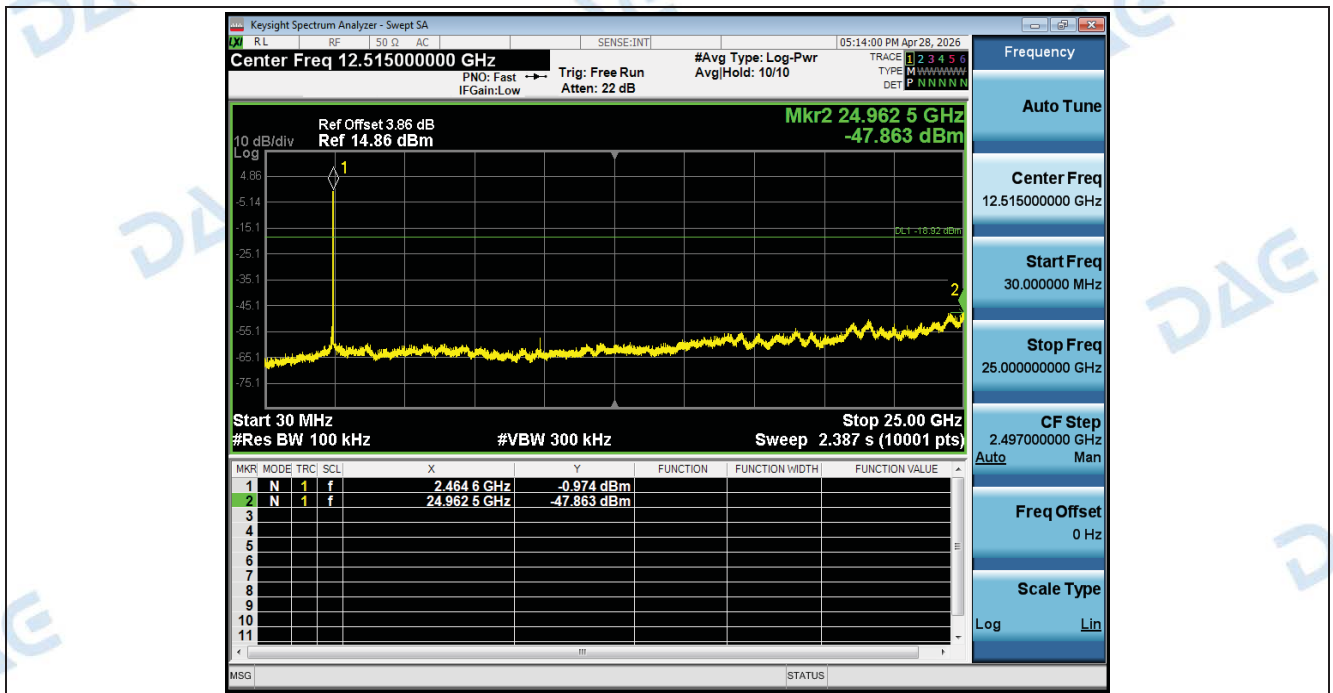
1_Reference_Level_NVNT_ANT1_802_11b_2437



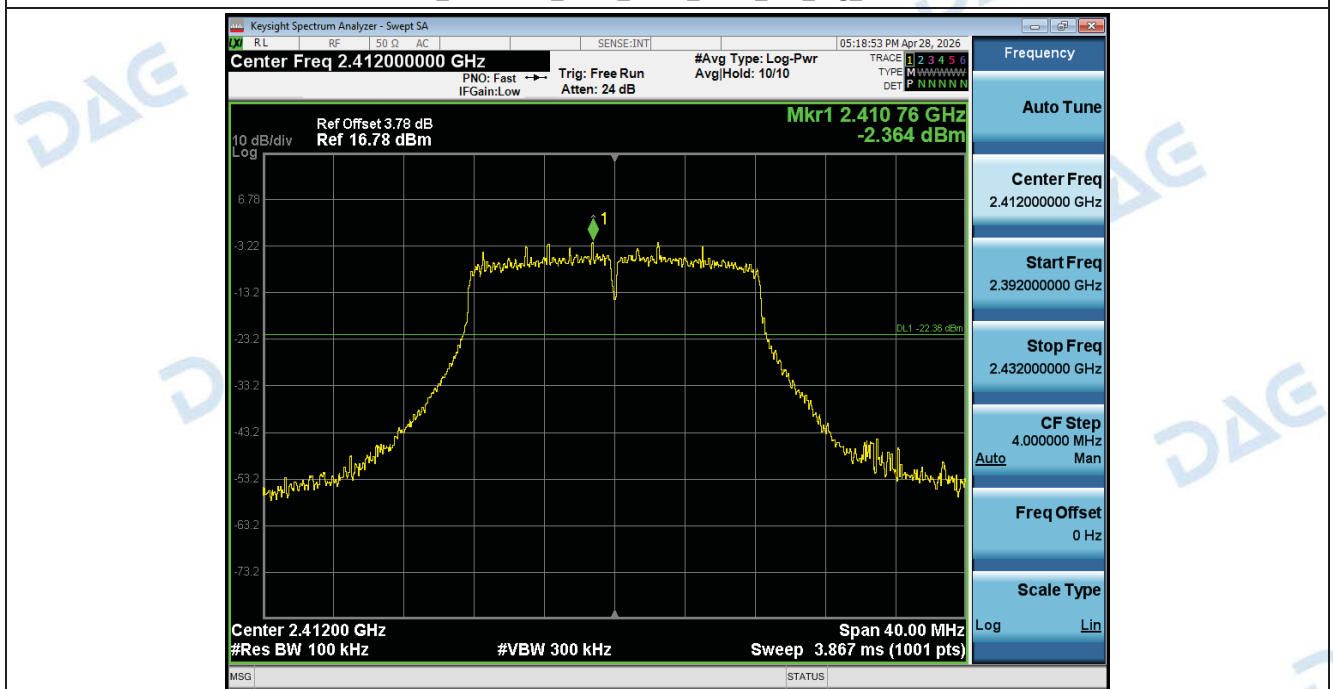
2_Spurious_Emission_NVNT_ANT1_802_11b_2437



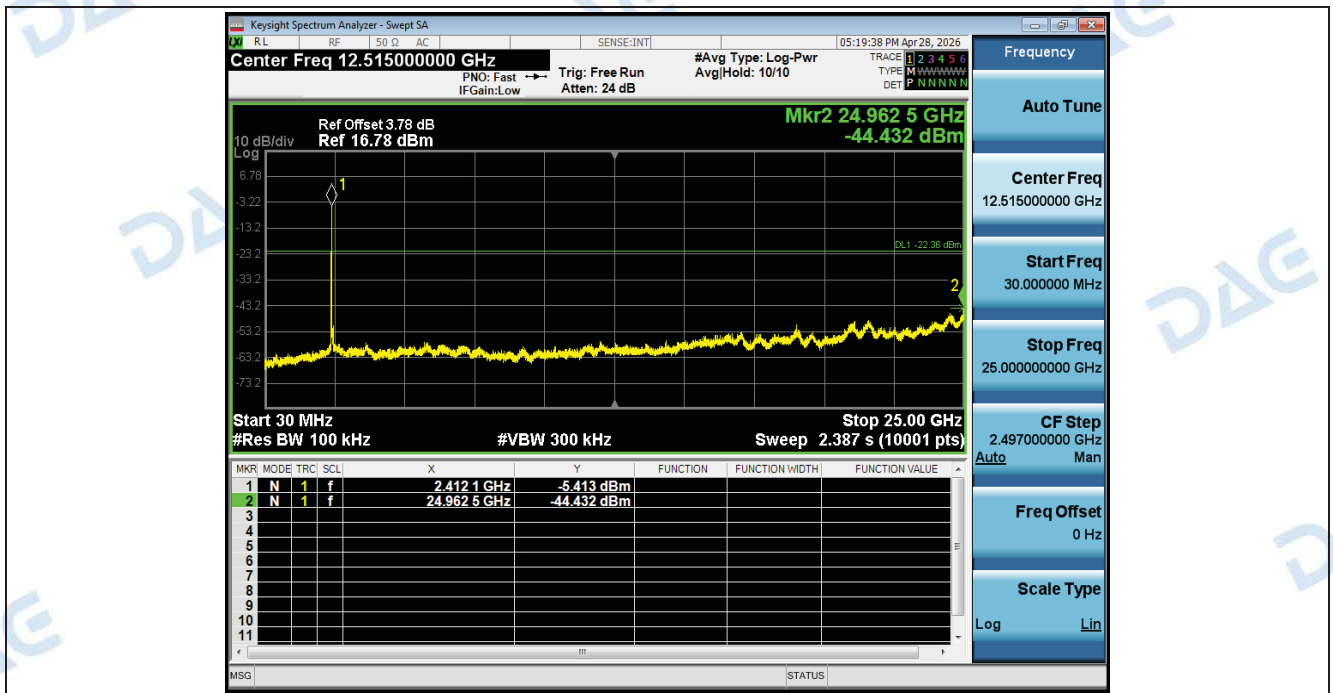
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



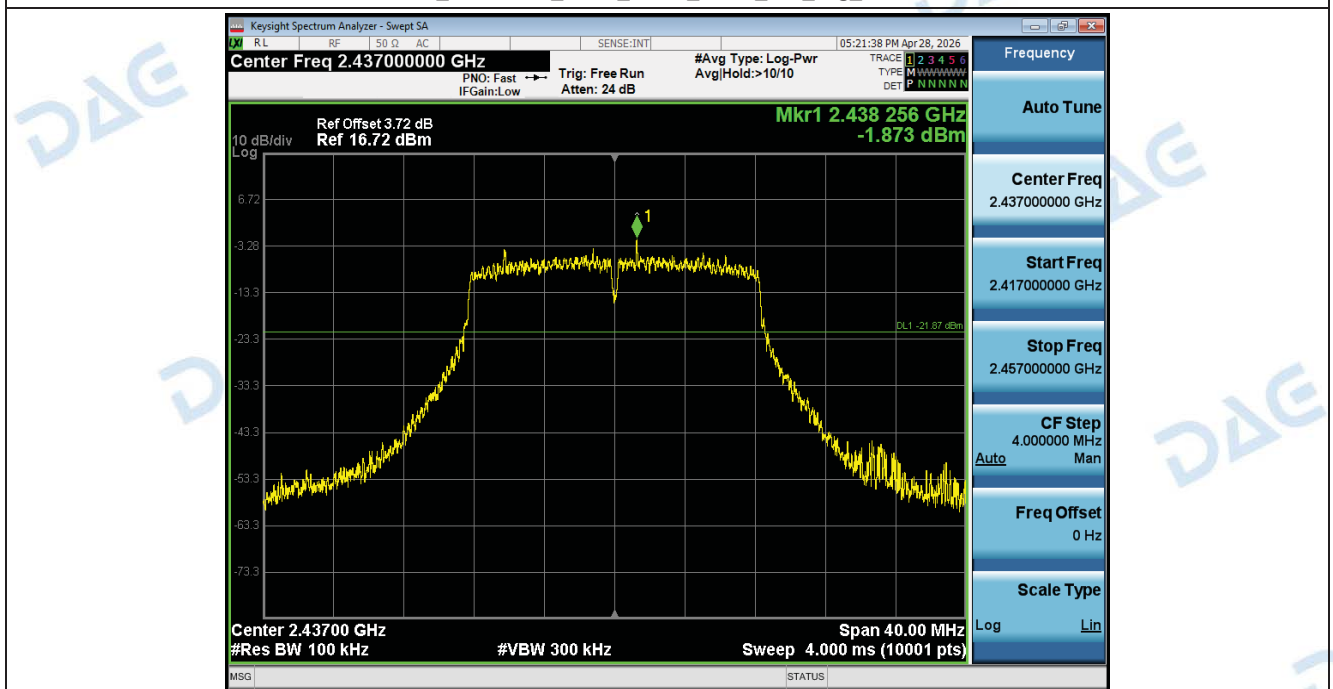
1_Reference_Level_NVNT_ANT1_802_11g_2412



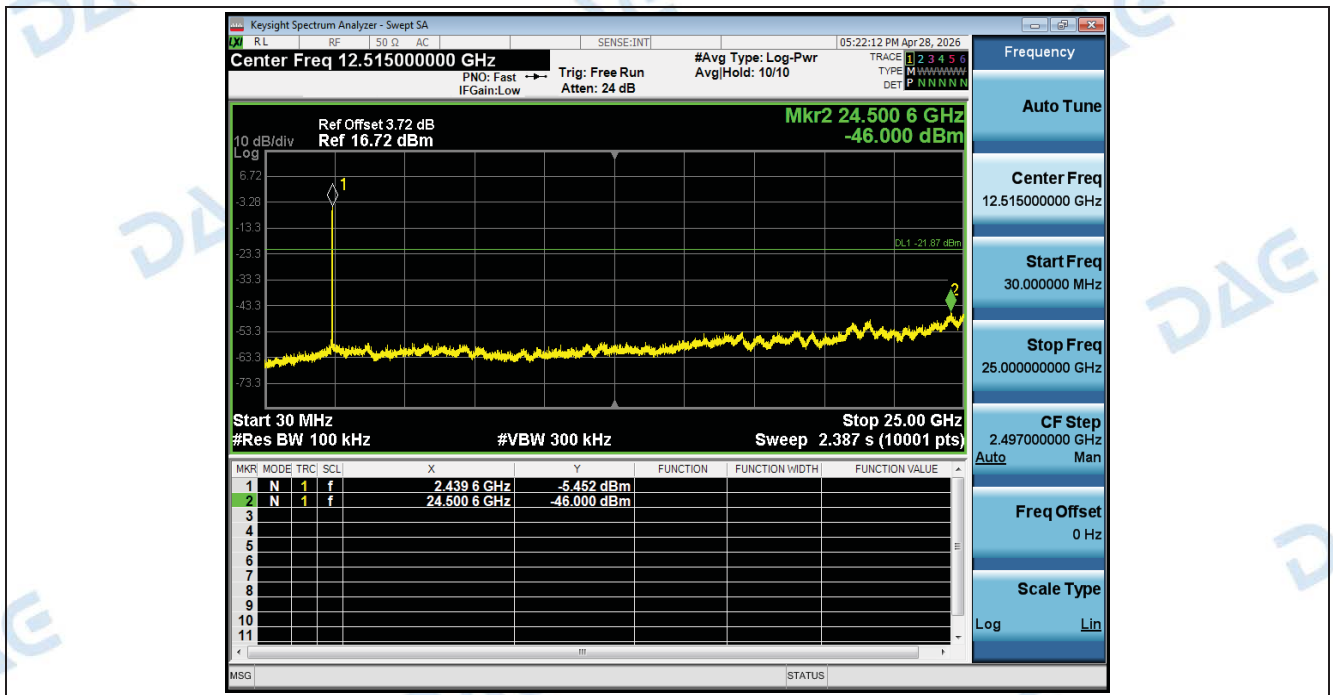
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2437



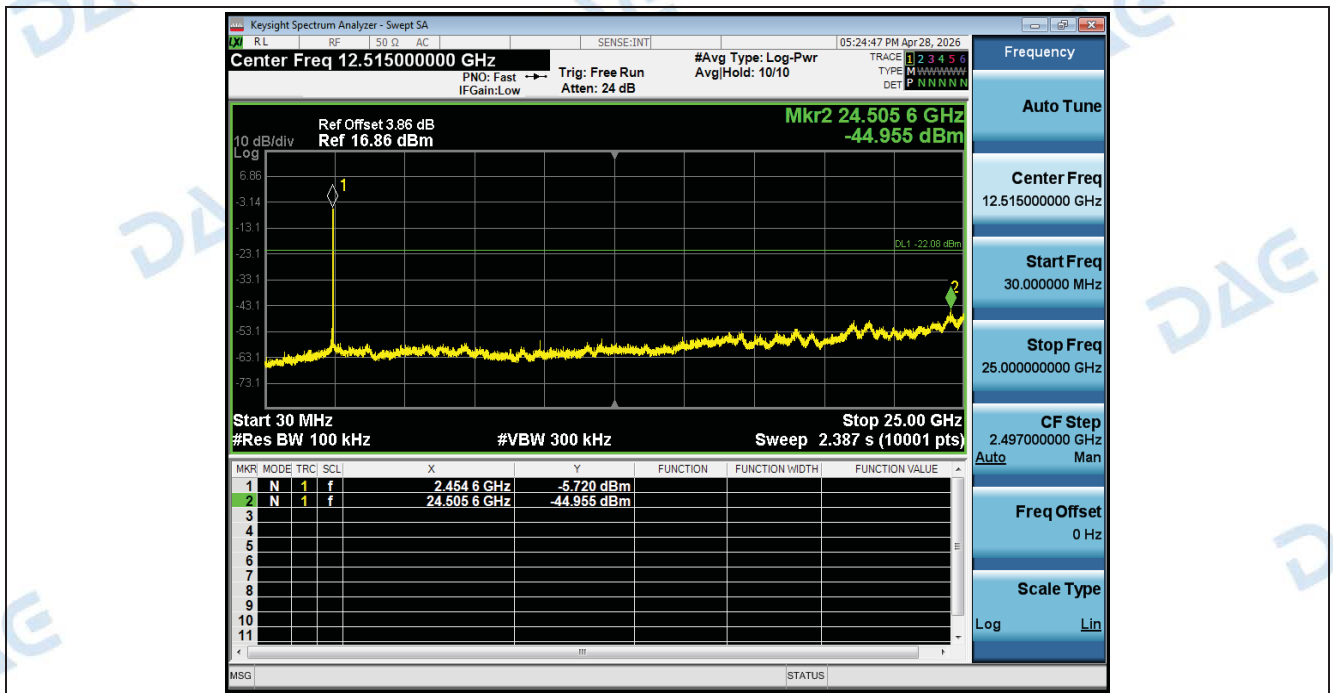
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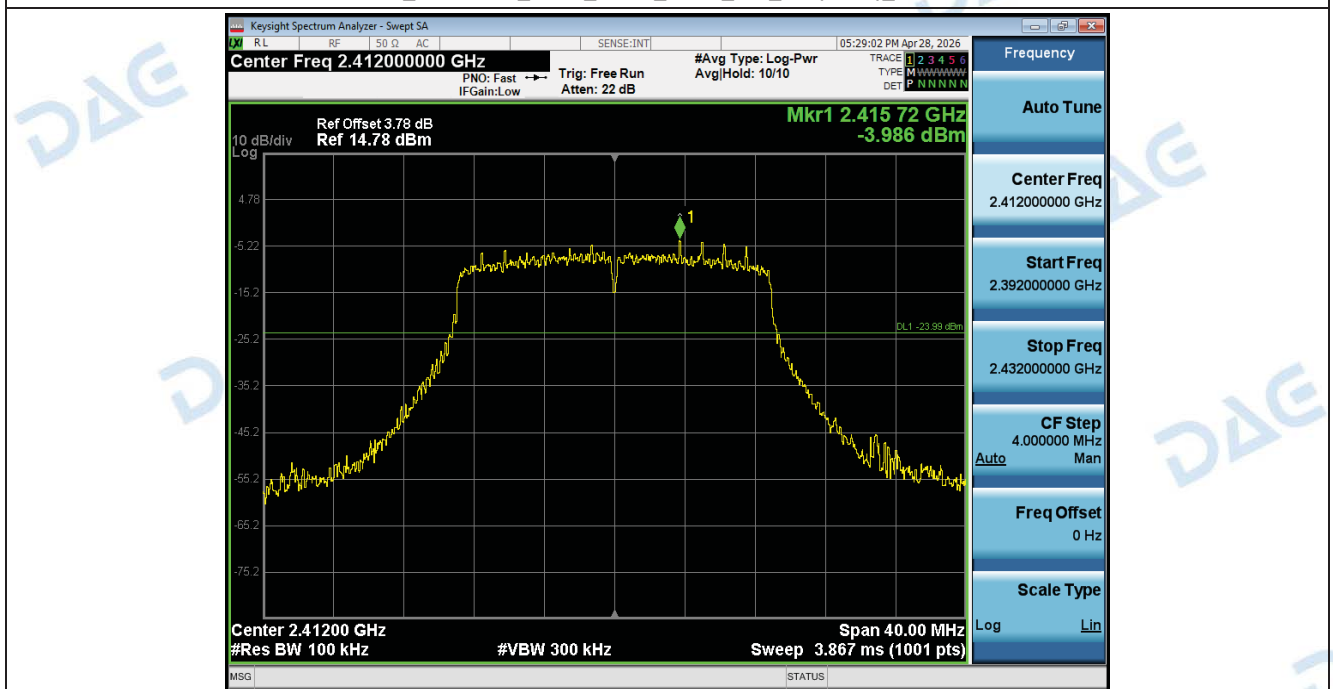
1_Reference_Level_NVNT_ANT1_802_11g_2462



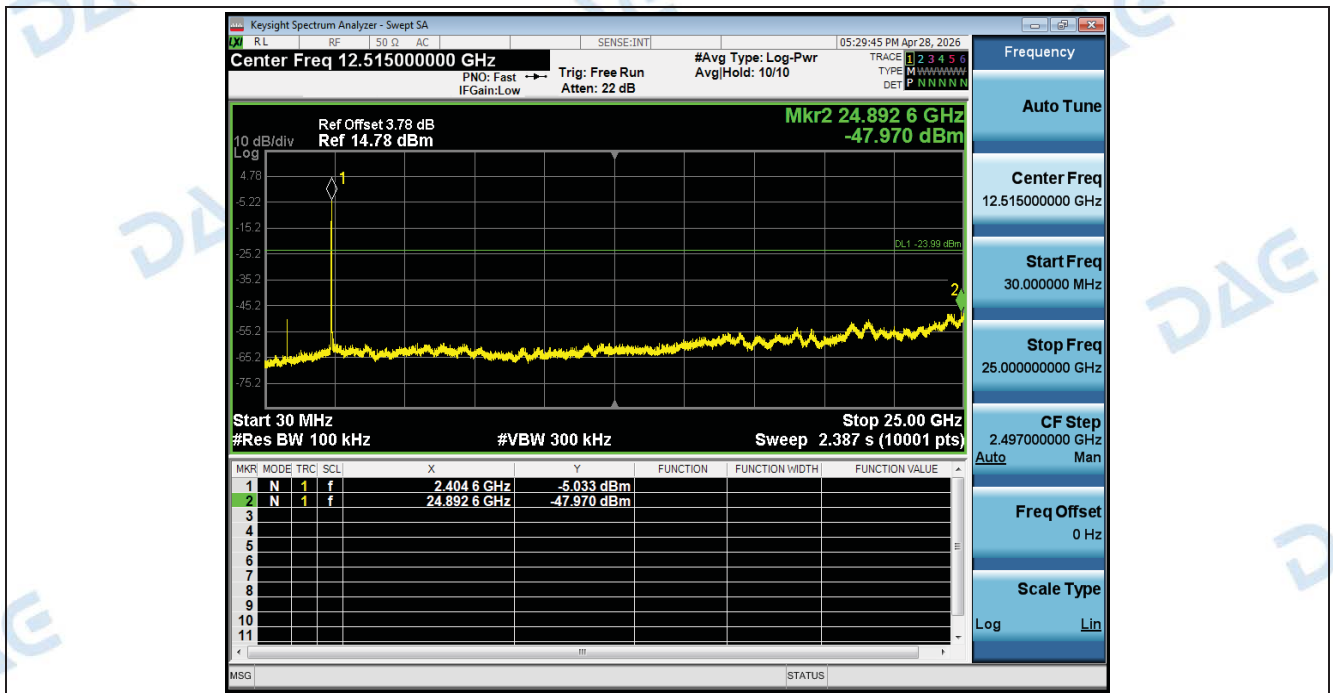
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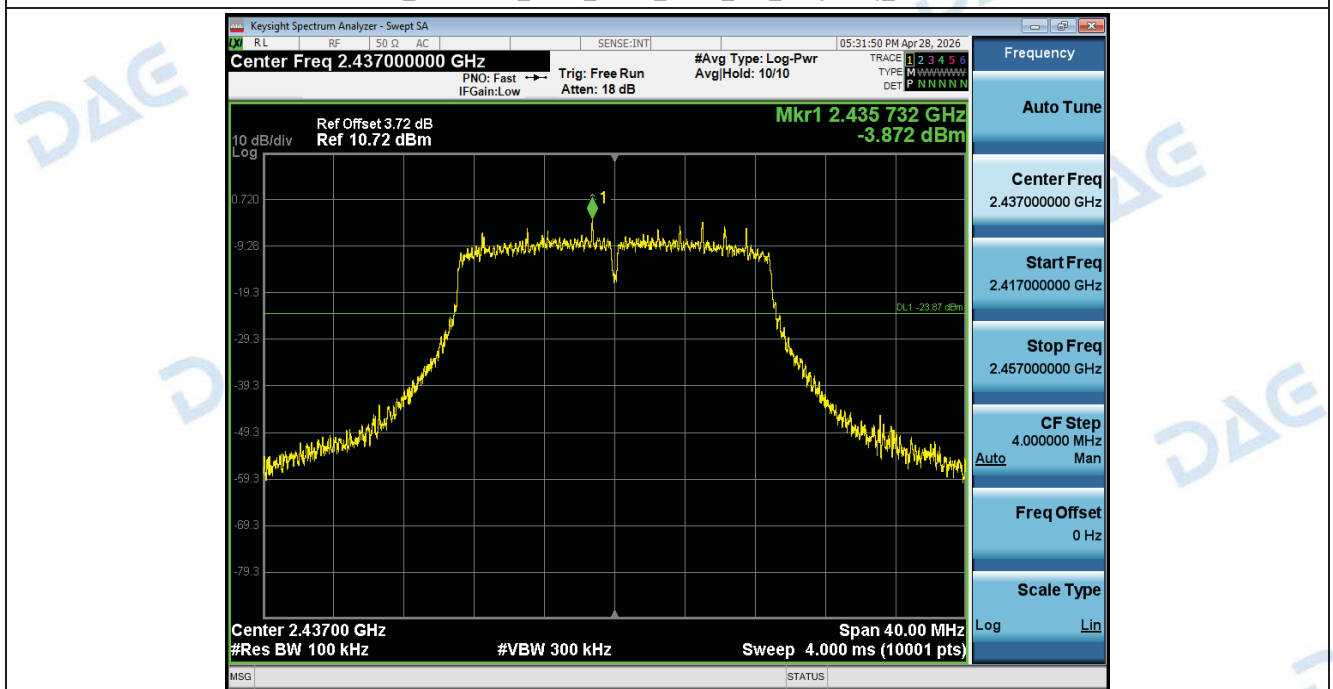
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



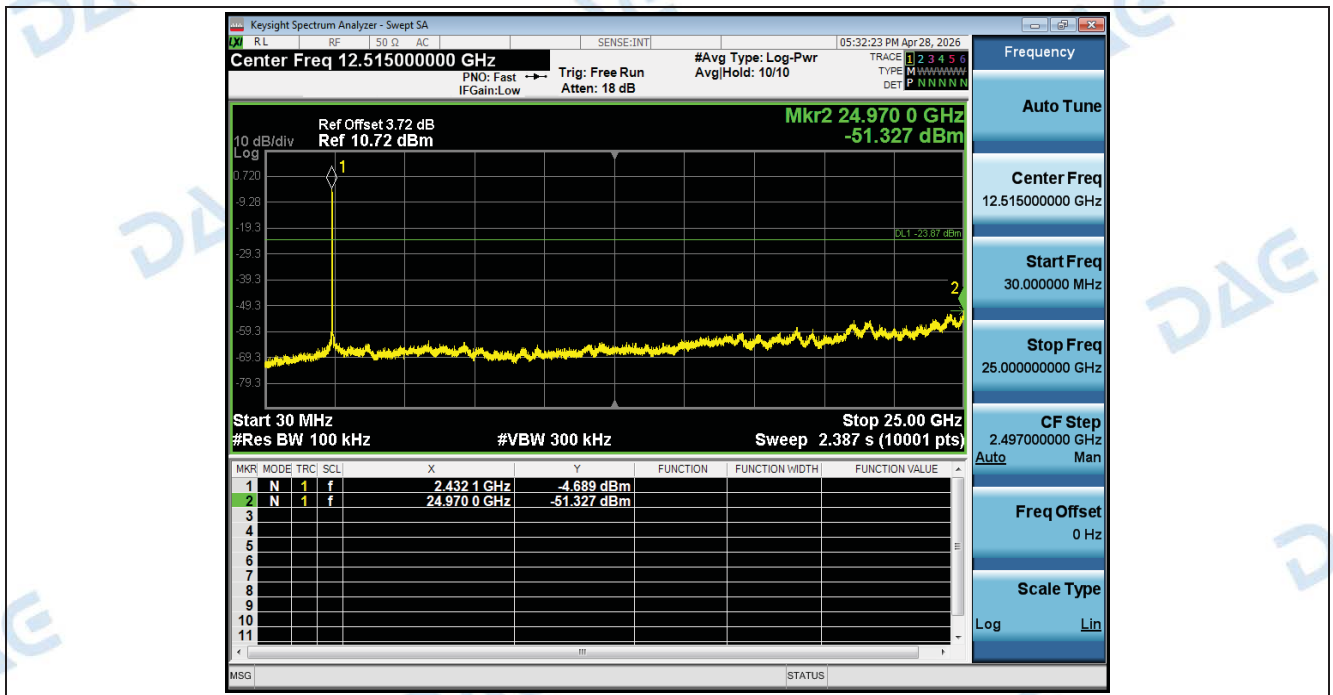
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



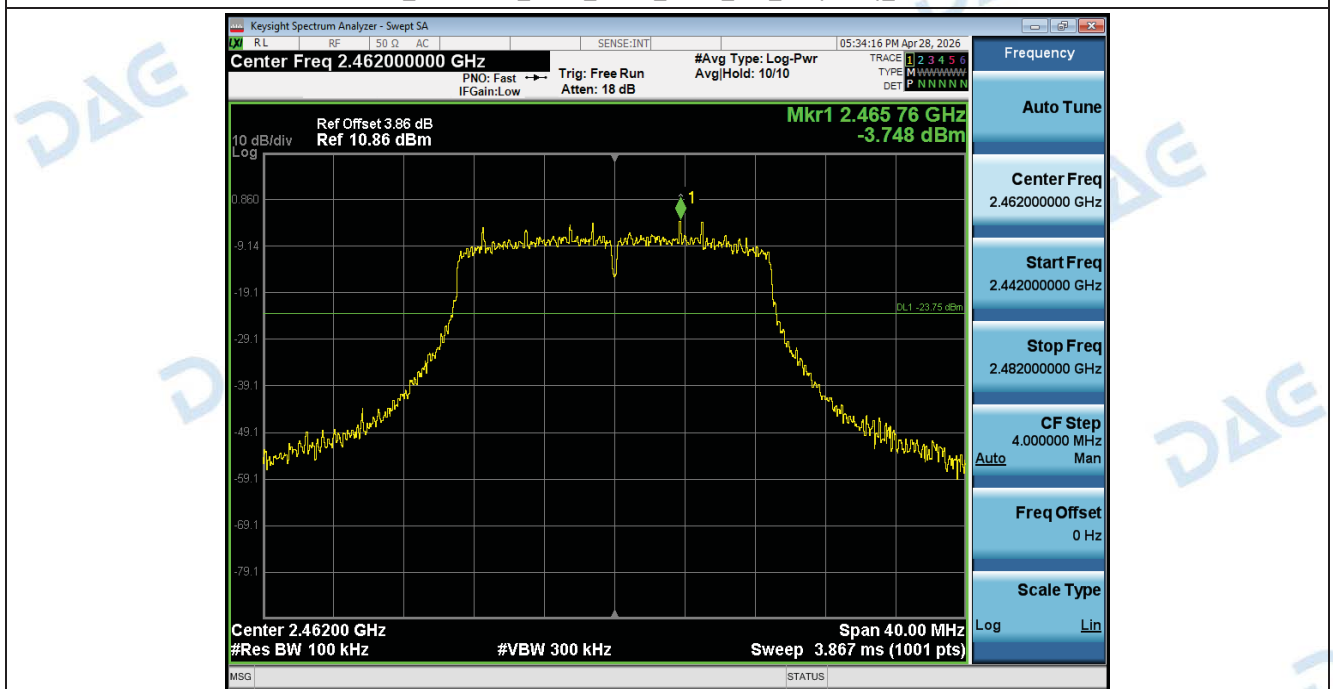
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437



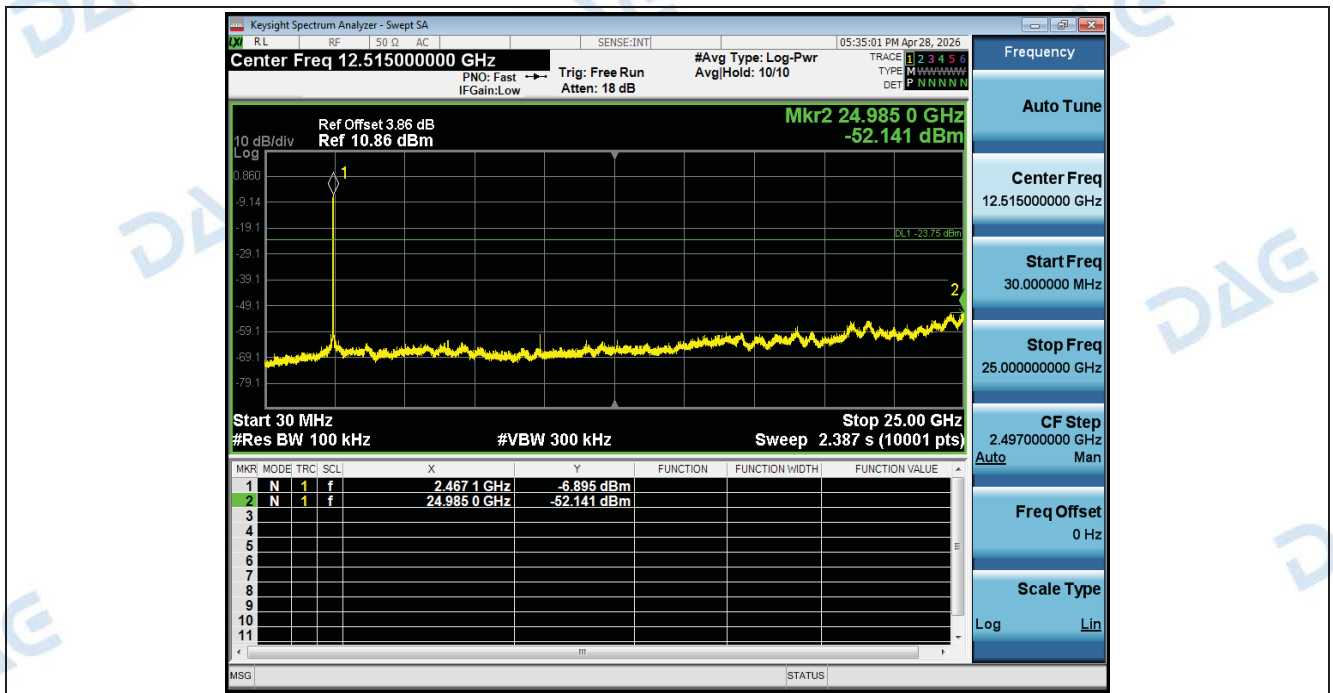
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



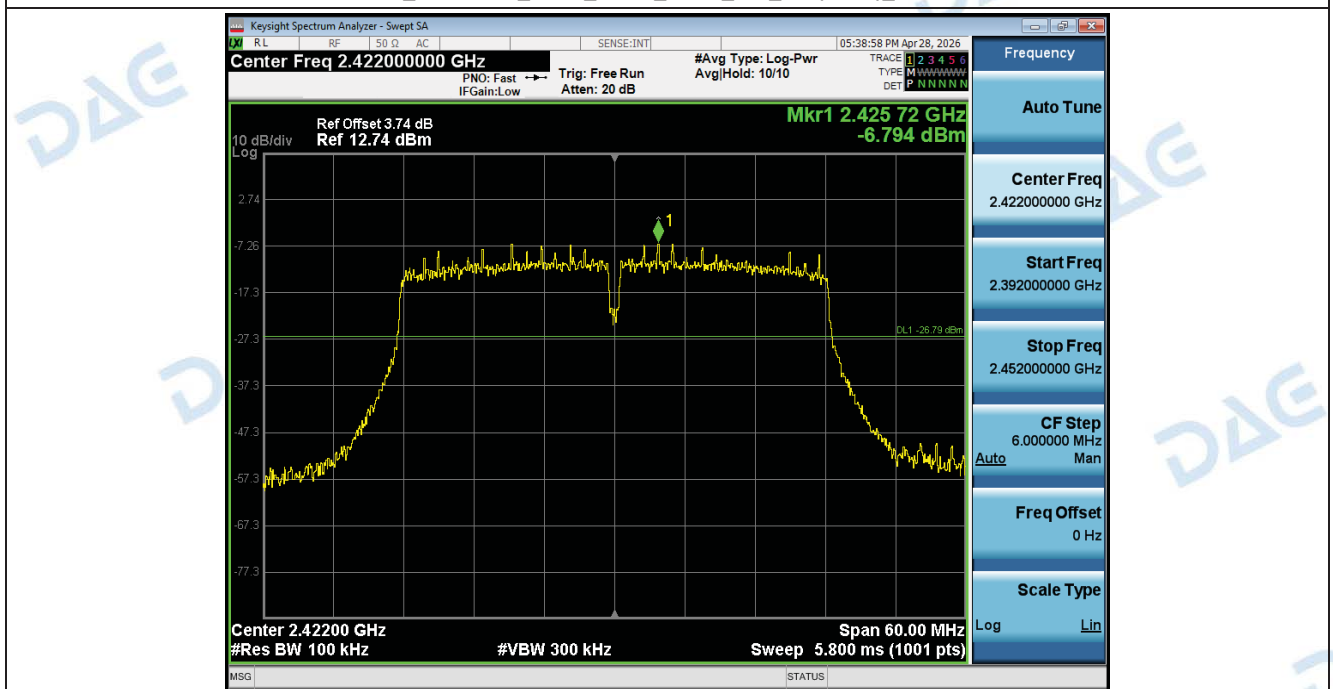
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



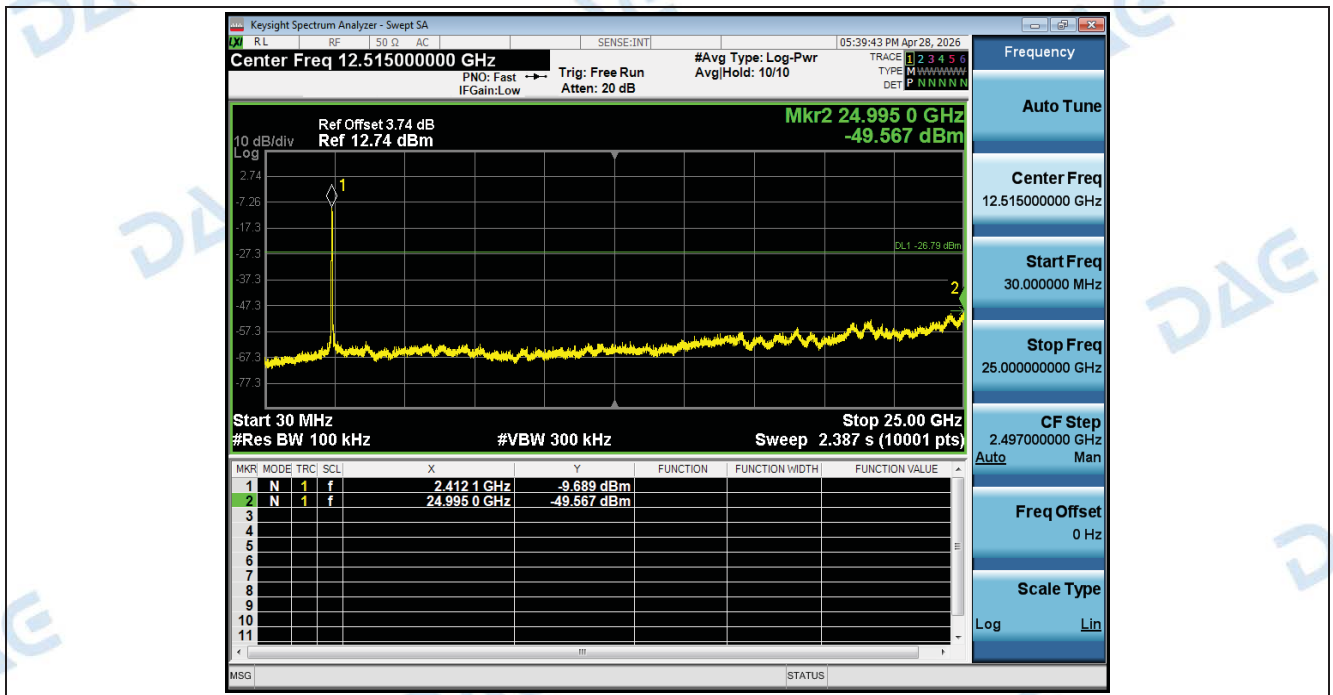
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



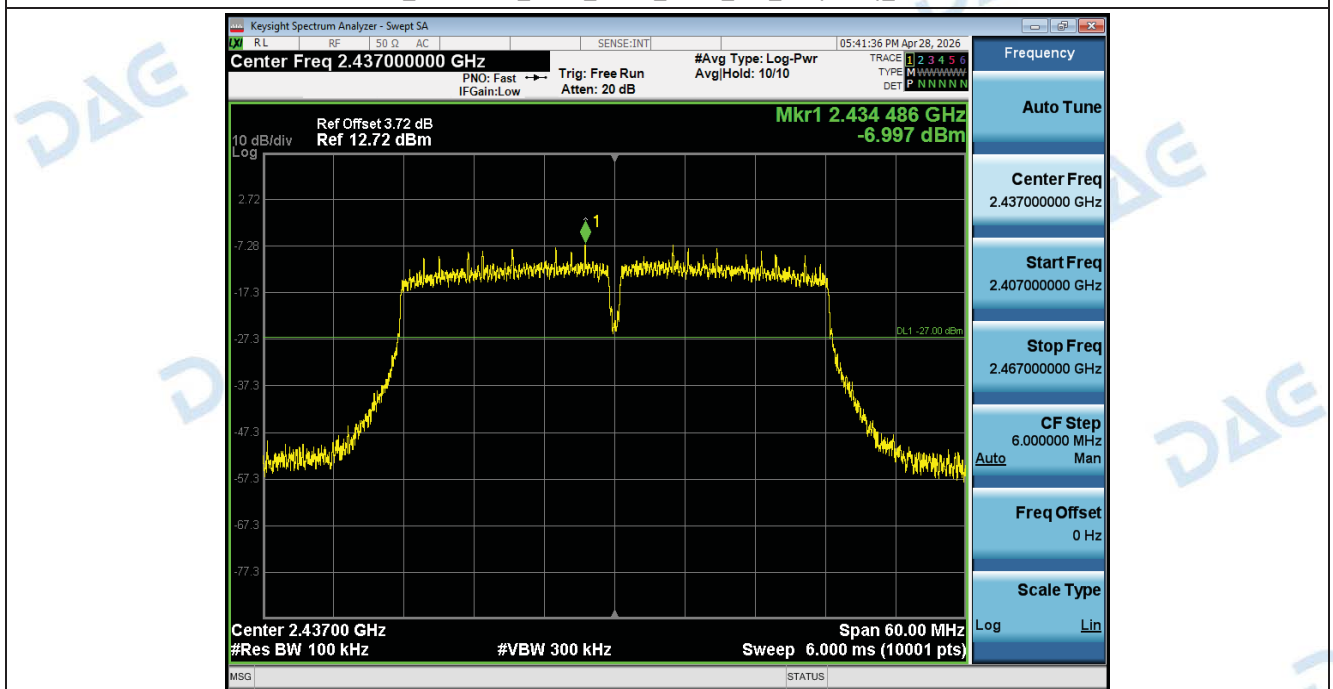
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



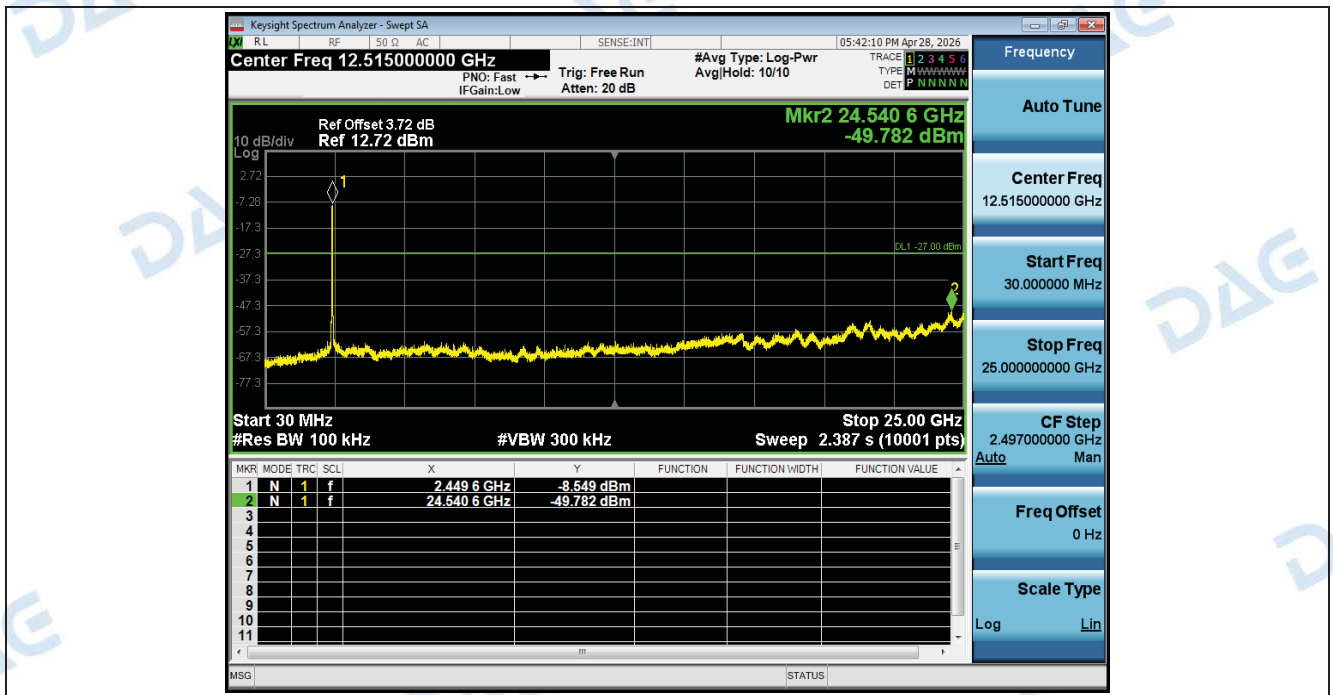
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



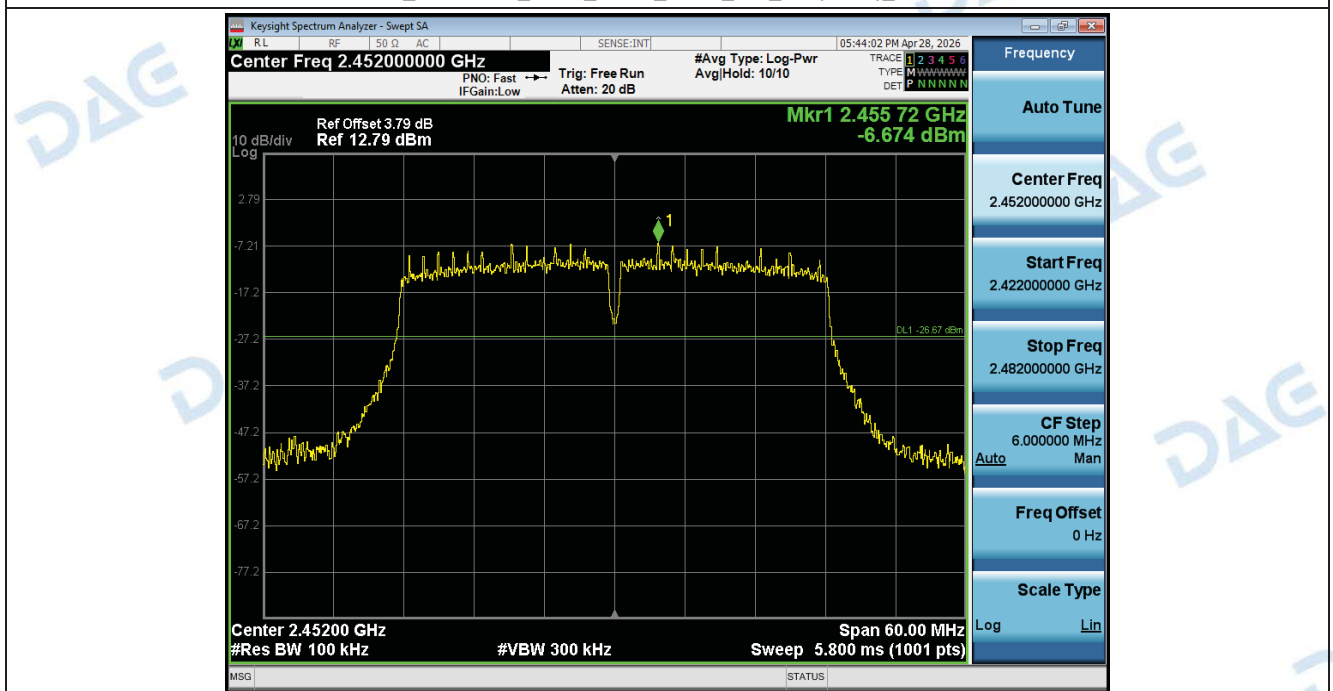
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



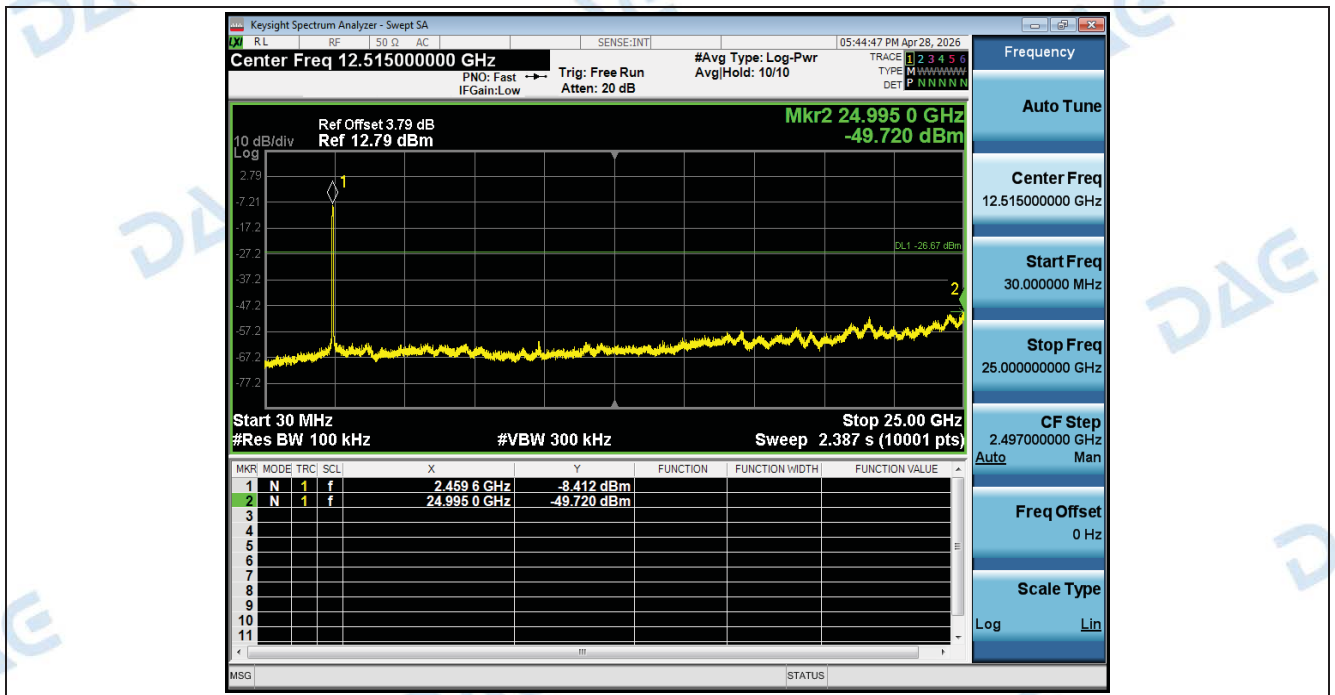
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452



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