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FCC ID BLE

FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	673.05	500	Pass
NVNT	ANT1	1Mbps	2440.00	672.96	500	Pass
NVNT	ANT1	1Mbps	2480.00	671.21	500	Pass
NVNT	ANT1	2Mbps	2402.00	1249.59	500	Pass
NVNT	ANT1	2Mbps	2440.00	1201.76	500	Pass
NVNT	ANT1	2Mbps	2480.00	1196.09	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



-6dB Bandwidth NVNT_ANT1_1Mbps_2480



-6dB Bandwidth NVNT_ANT1_2Mbps_2402



-6dB Bandwidth NVNT_ANT1_2Mbps_2440

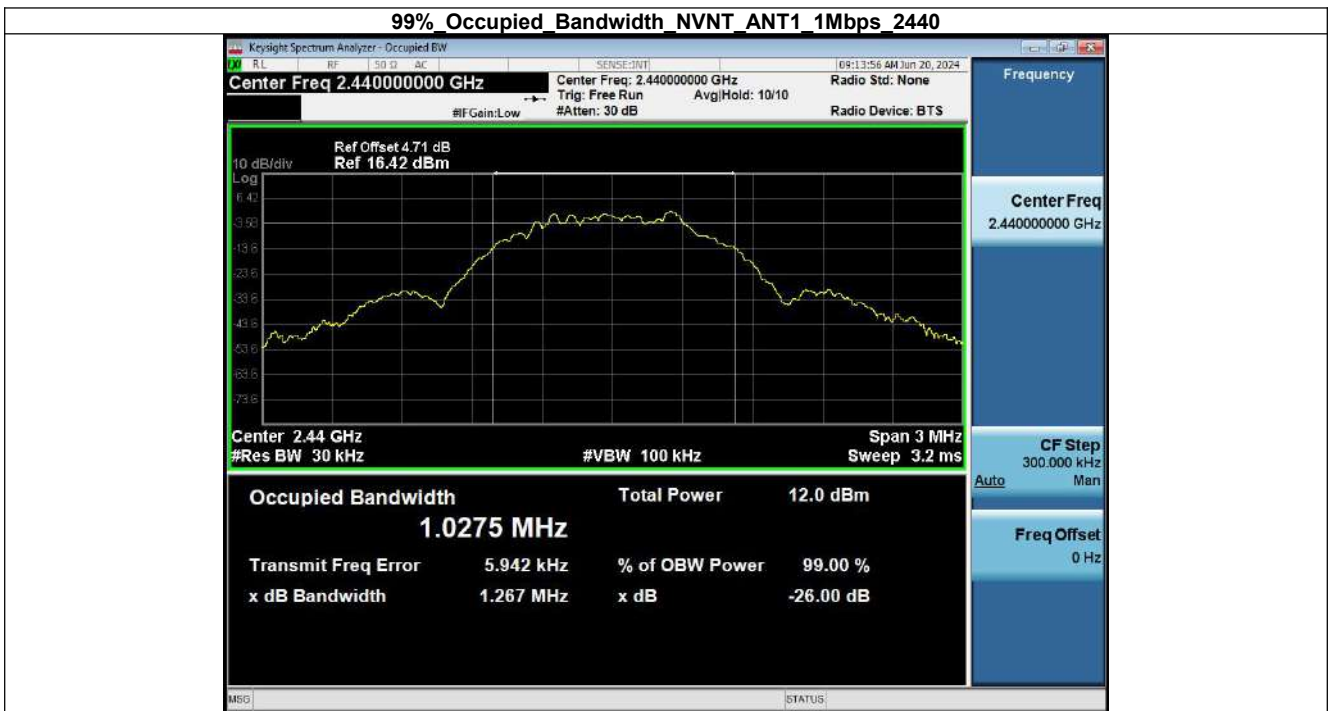


-6dB Bandwidth NVNT_ANT1_2Mbps_2480



2. 99% Occupied Bandwidth

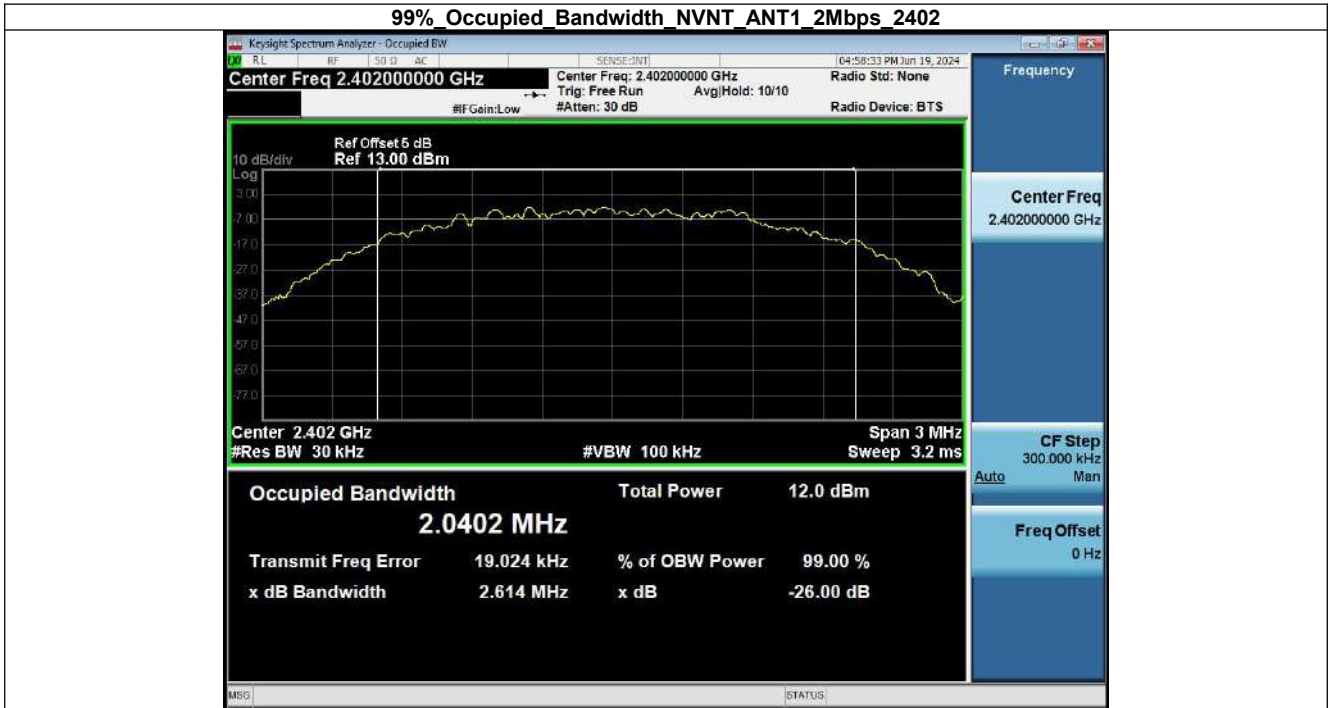
Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.026
NVNT	ANT1	1Mbps	2440.00	1.027
NVNT	ANT1	1Mbps	2480.00	1.028
NVNT	ANT1	2Mbps	2402.00	2.040
NVNT	ANT1	2Mbps	2440.00	2.041
NVNT	ANT1	2Mbps	2480.00	2.043



99% Occupied Bandwidth NVNT ANT1 1Mbps 2480



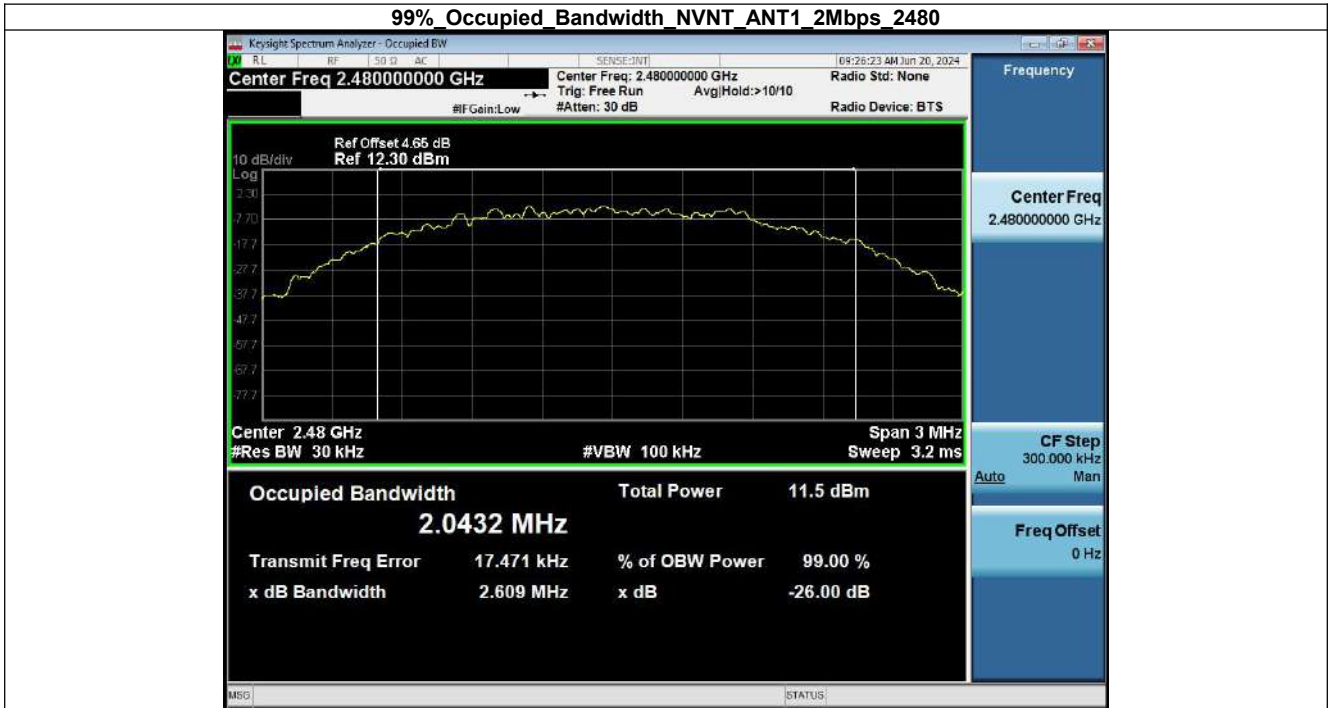
99% Occupied Bandwidth NVNT_ANT1_2Mbps_2402



99% Occupied Bandwidth NVNT_ANT1_2Mbps_2440



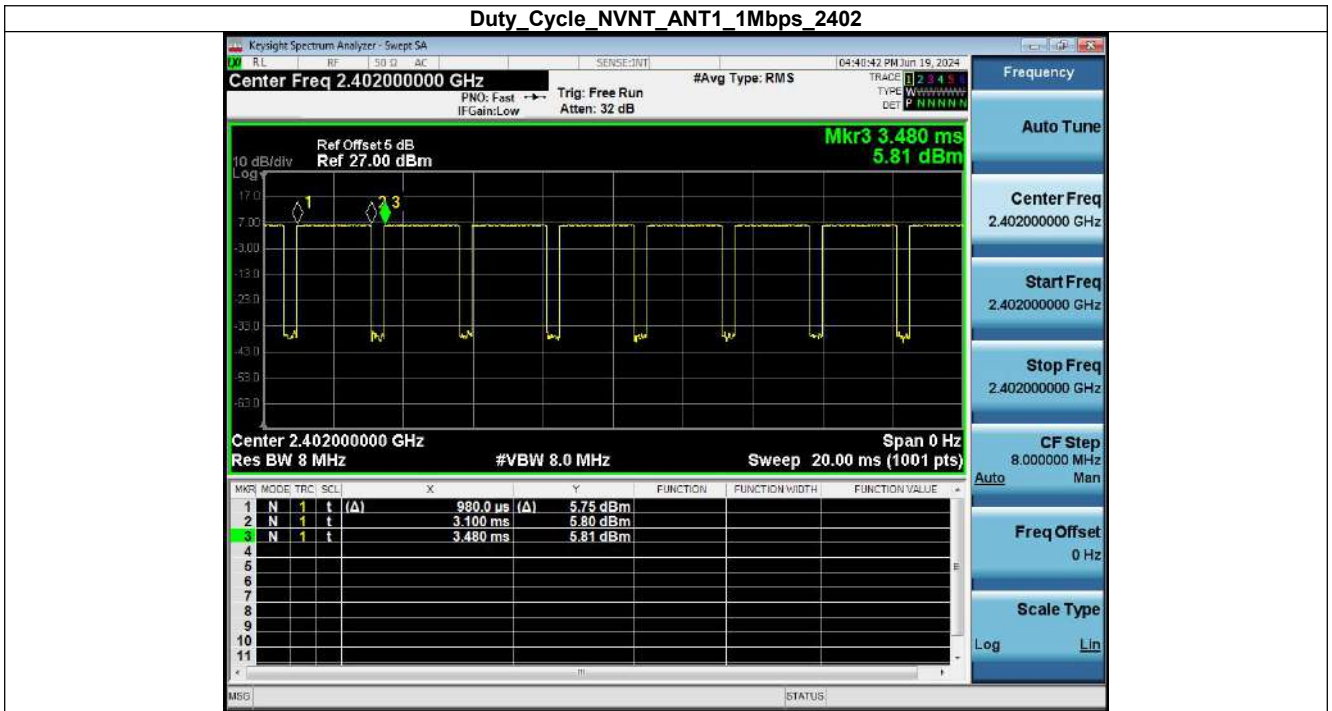
99% Occupied Bandwidth NVNT_ANT1_2Mbps_2480



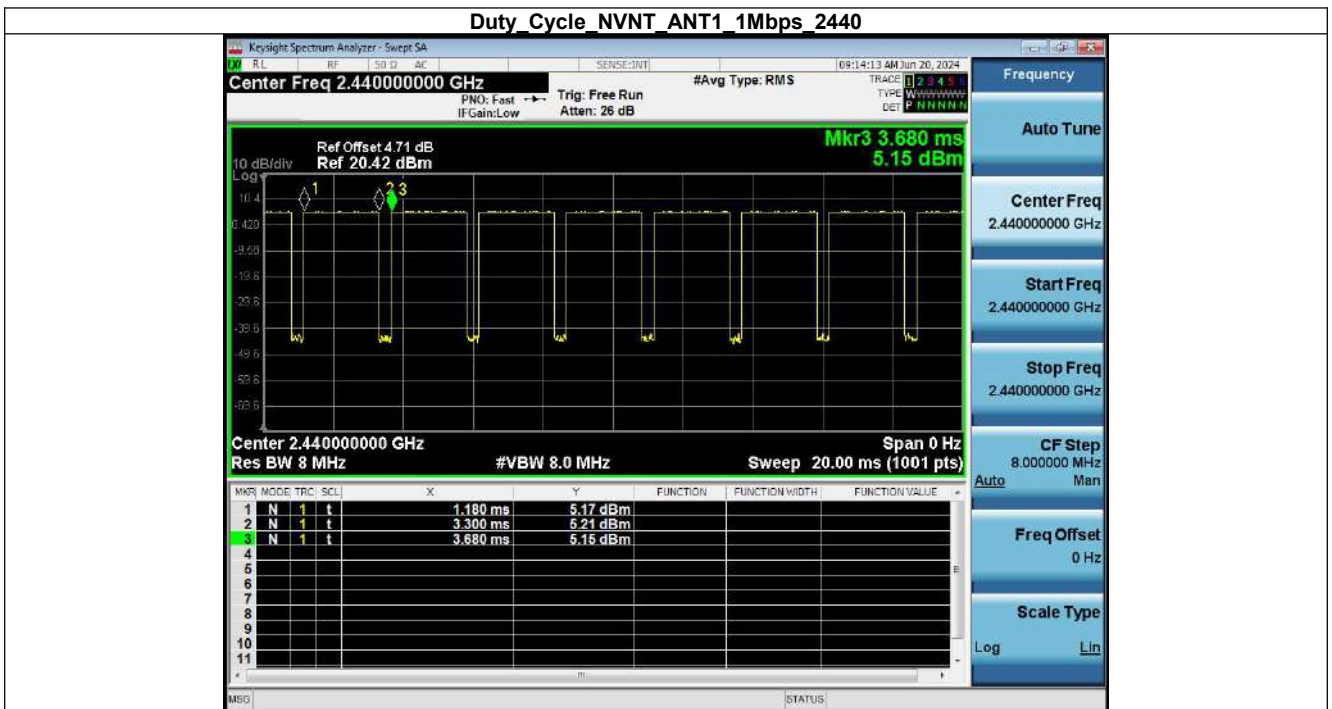
3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	85.60	0.68
NVNT	ANT1	1Mbps	2440.00	85.60	0.68
NVNT	ANT1	1Mbps	2480.00	85.60	0.68
NVNT	ANT1	2Mbps	2402.00	57.45	2.41
NVNT	ANT1	2Mbps	2440.00	56.38	2.49
NVNT	ANT1	2Mbps	2480.00	57.45	2.41

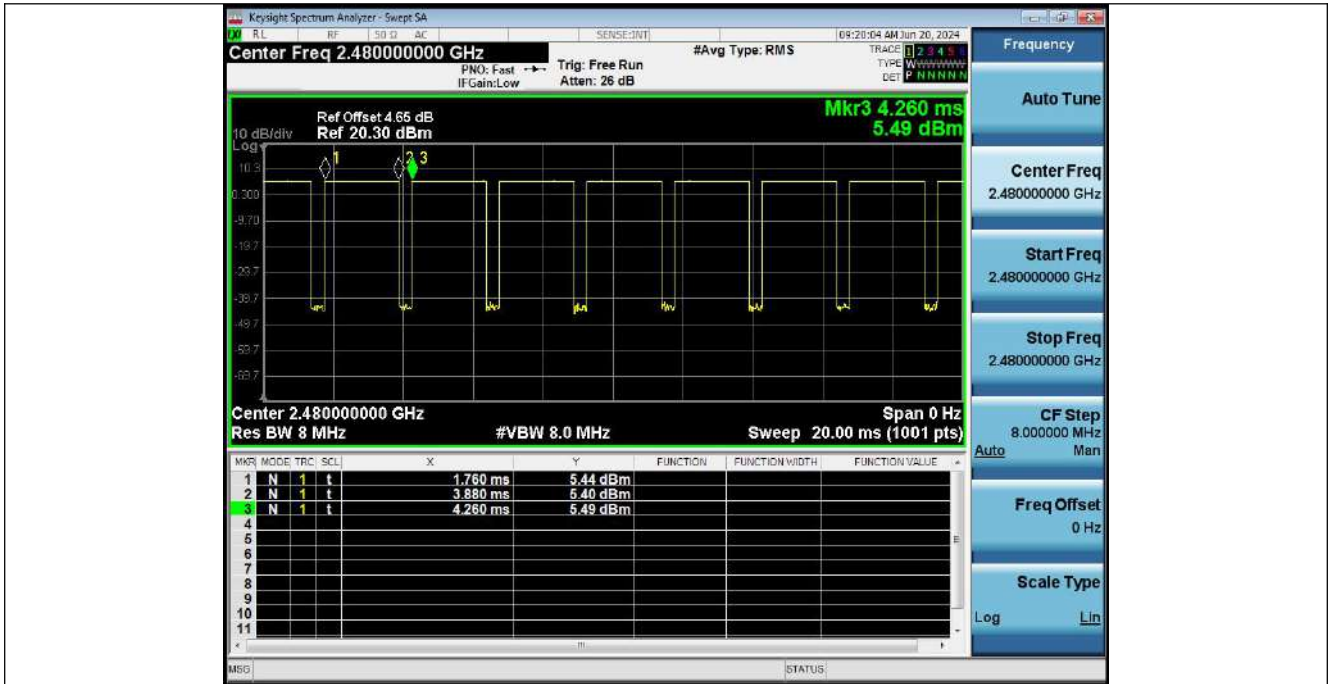
Duty_Cycle_NVNT_ANT1_1Mbps_2402



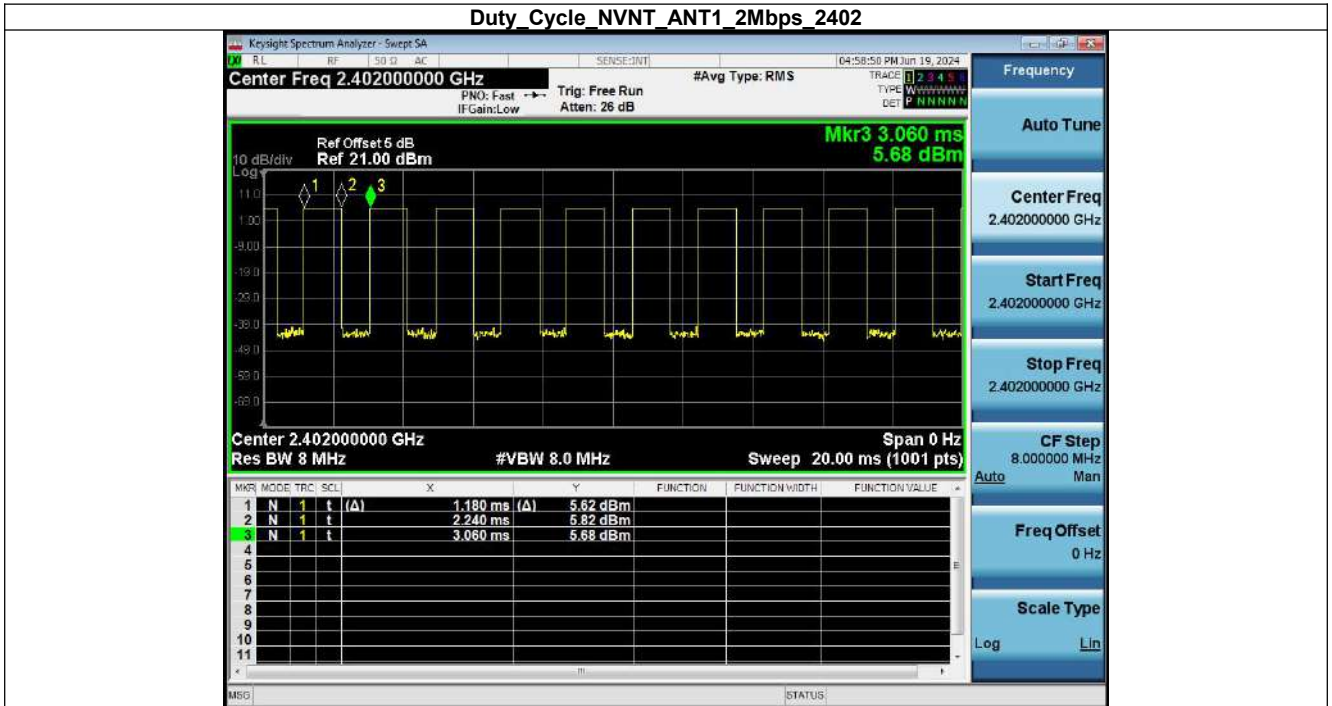
Duty_Cycle_NVNT_ANT1_1Mbps_2440



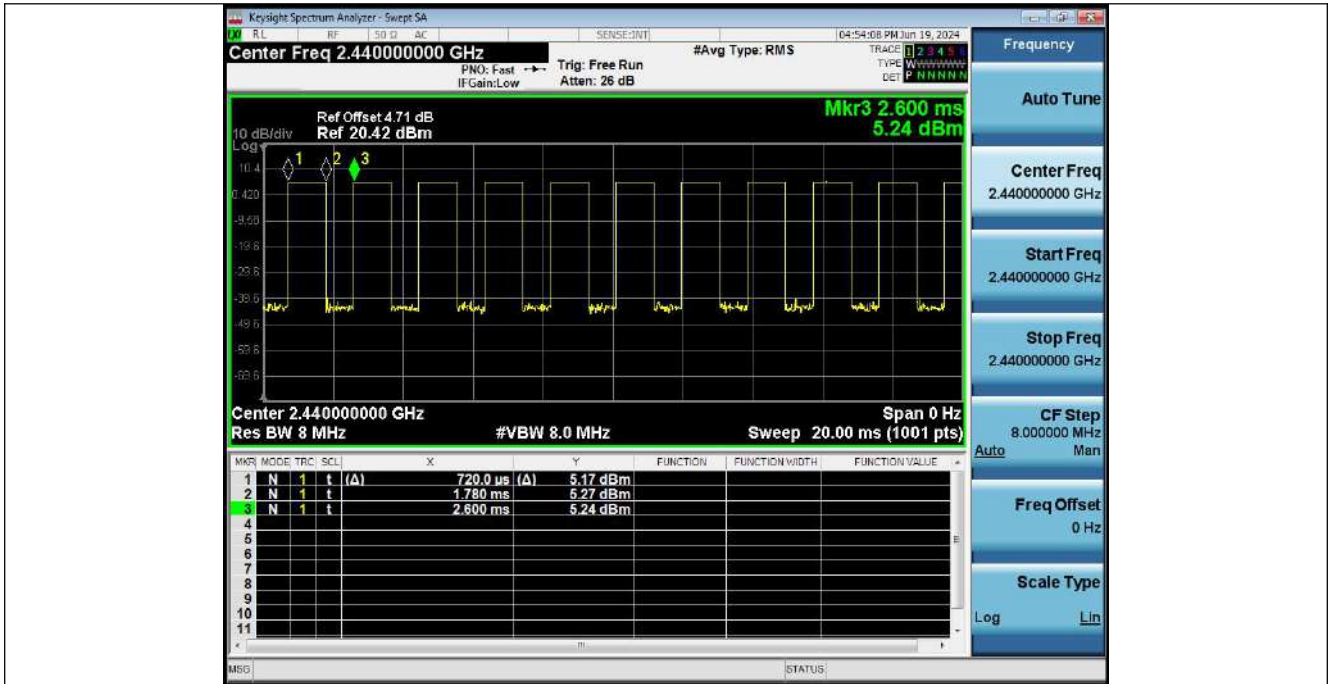
Duty_Cycle_NVNT_ANT1_1Mbps_2480



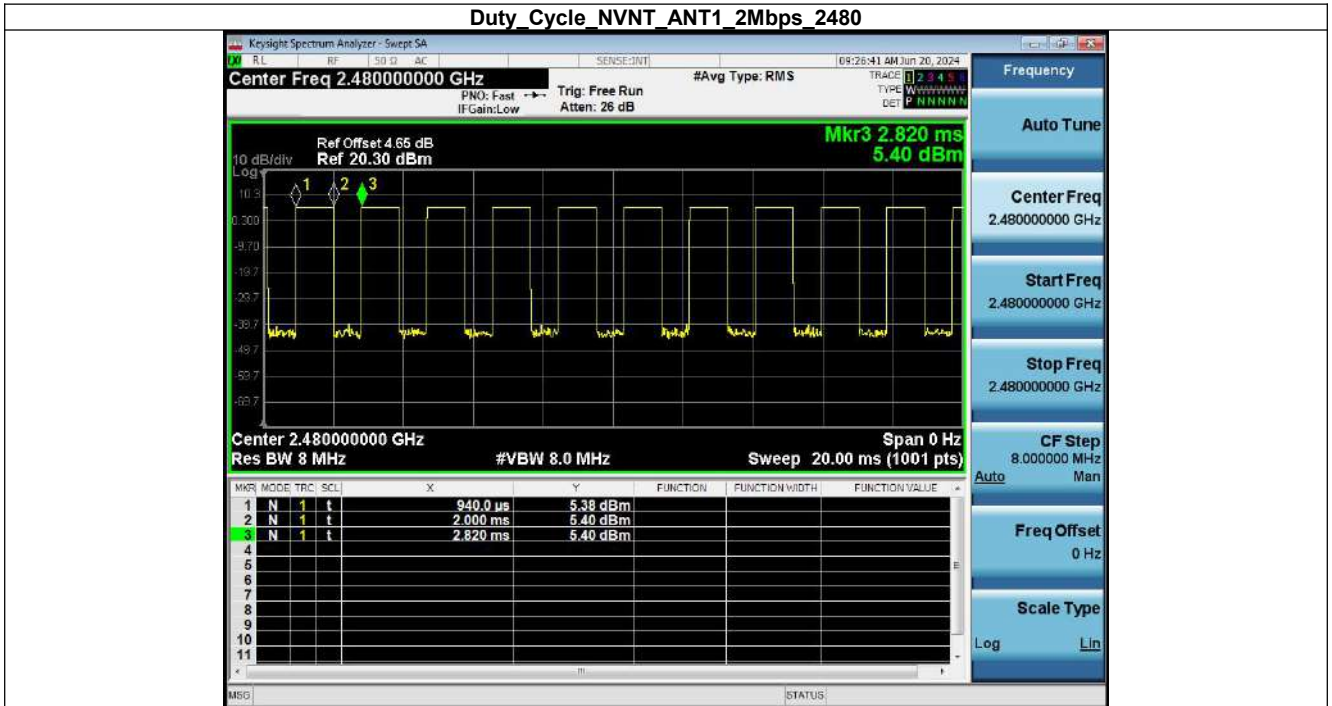
Duty Cycle_NVNT_ANT1_2Mbps_2402



Duty Cycle_NVNT_ANT1_2Mbps_2440

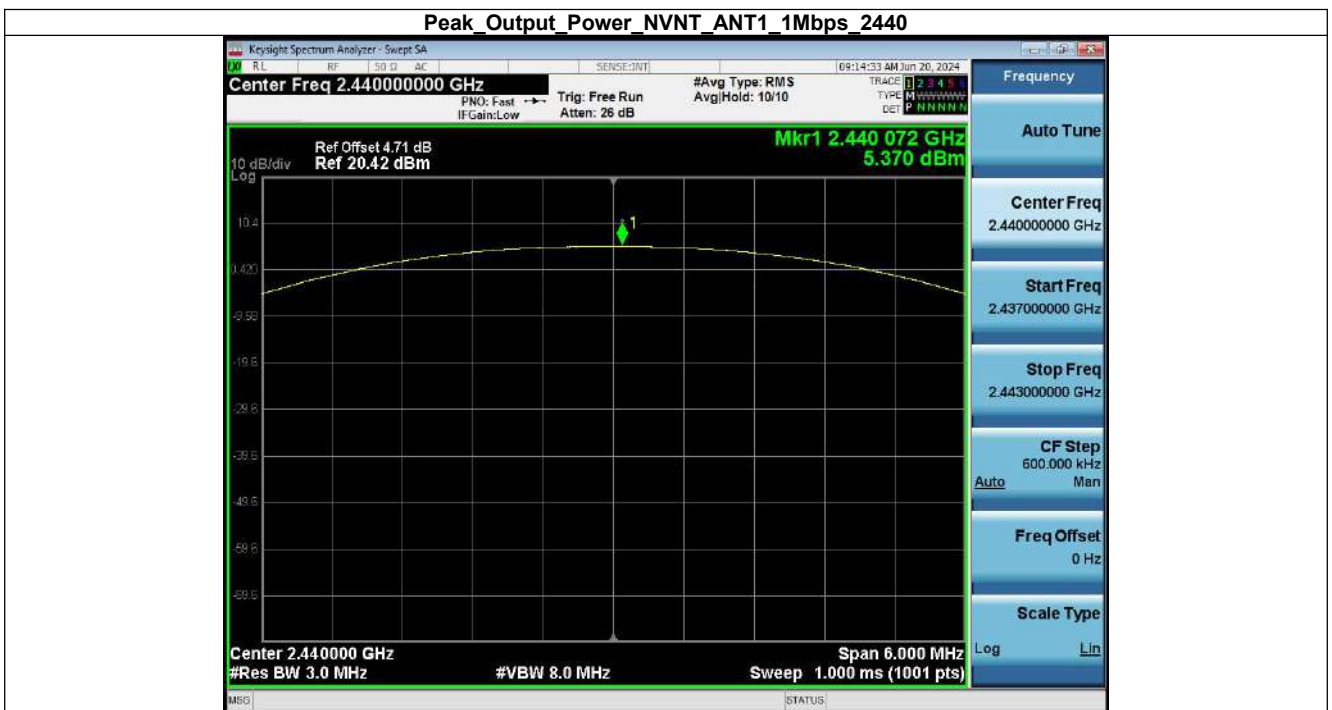


Duty Cycle_NVNT_ANT1_2Mbps_2480

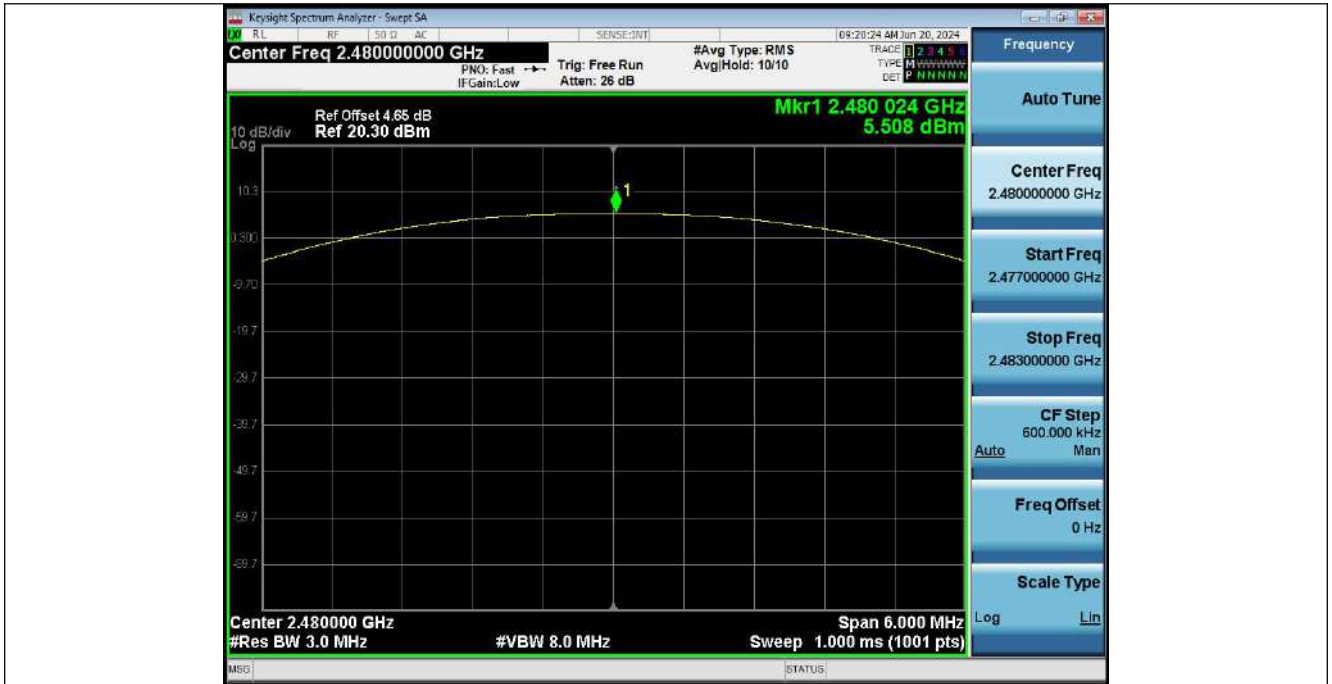


4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	5.85	3.84	1000	Pass
NVNT	ANT1	1Mbps	2440.00	5.37	3.44	1000	Pass
NVNT	ANT1	1Mbps	2480.00	5.51	3.55	1000	Pass
NVNT	ANT1	2Mbps	2402.00	5.79	3.80	1000	Pass
NVNT	ANT1	2Mbps	2440.00	5.28	3.37	1000	Pass
NVNT	ANT1	2Mbps	2480.00	5.47	3.53	1000	Pass



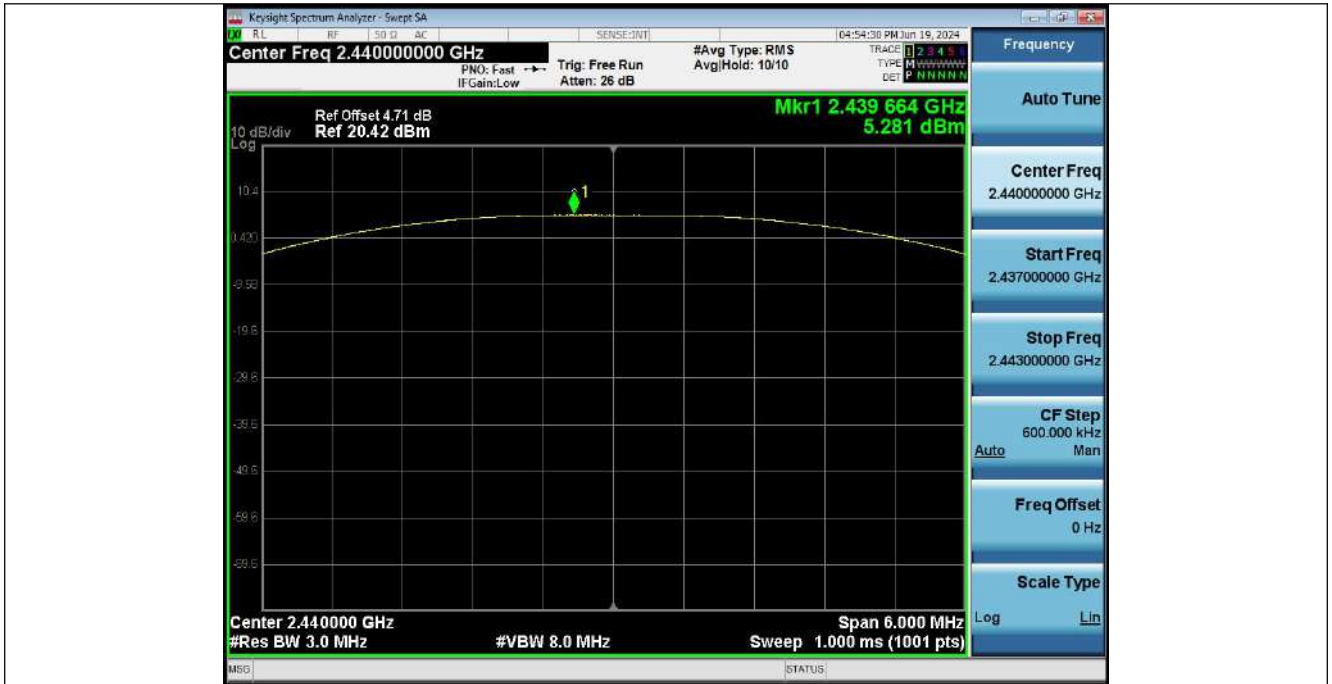
Peak Output Power_NVNT_ANT1_1Mbps_2480



Peak Output Power NVNT ANT1 2Mbps 2402



Peak Output Power NVNT ANT1 2Mbps 2440

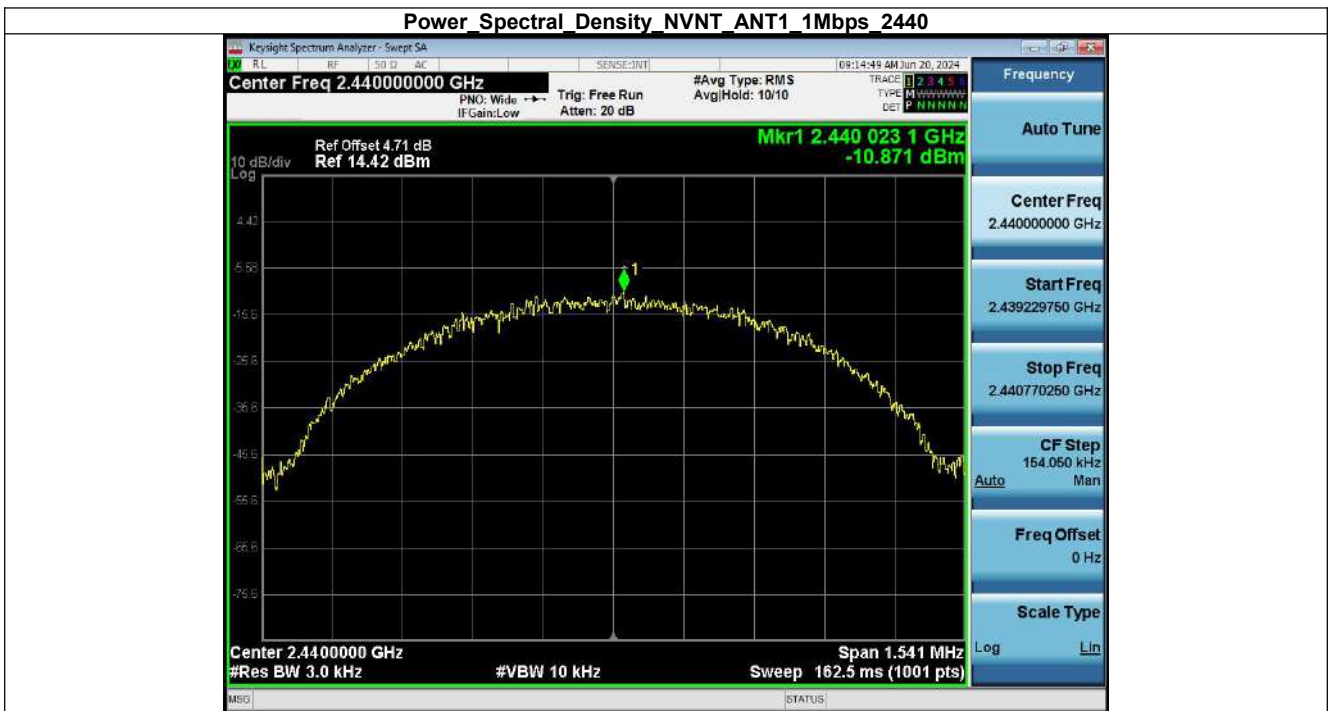


Peak Output Power NVNT ANT1 2Mbps 2480



5. Power Spectral Density

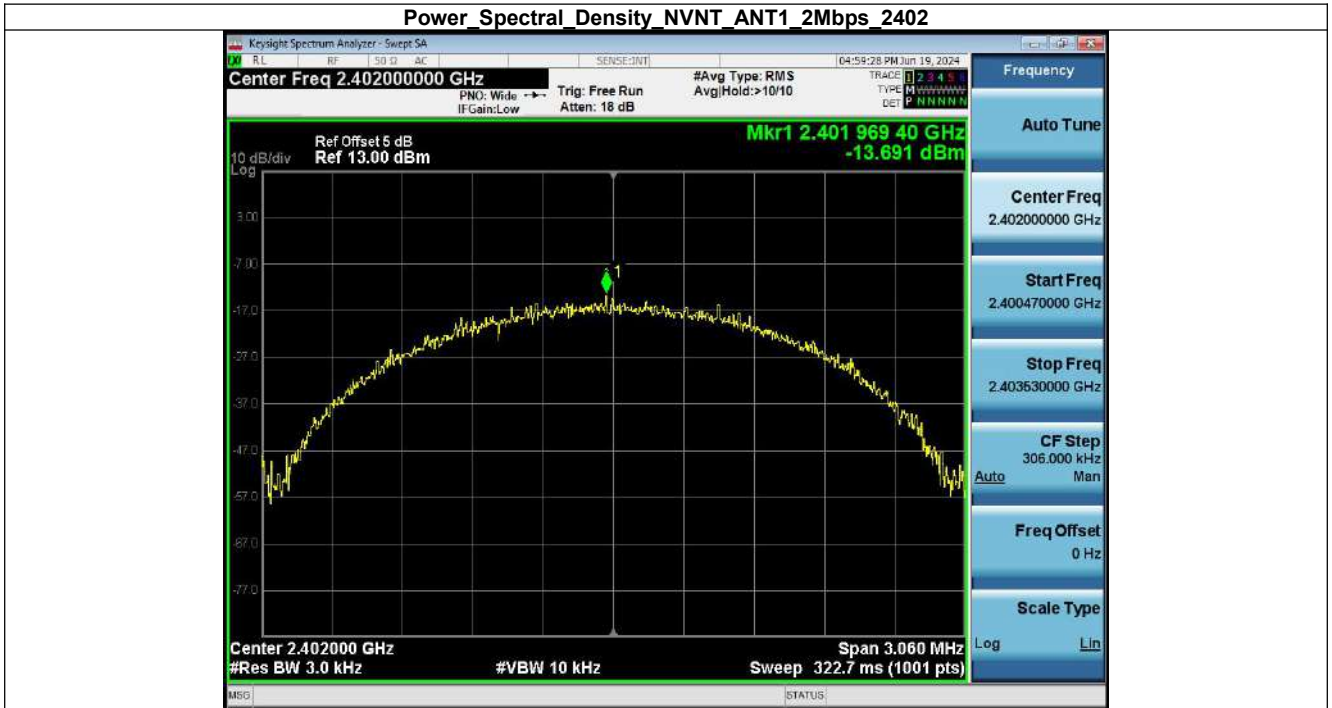
Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-10.18	8	Pass
NVNT	ANT1	1Mbps	2440.00	-10.87	8	Pass
NVNT	ANT1	1Mbps	2480.00	-10.81	8	Pass
NVNT	ANT1	2Mbps	2402.00	-13.69	8	Pass
NVNT	ANT1	2Mbps	2440.00	-14.21	8	Pass
NVNT	ANT1	2Mbps	2480.00	-13.59	8	Pass



Power Spectral Density_NVNT_ANT1_1Mbps_2480



Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



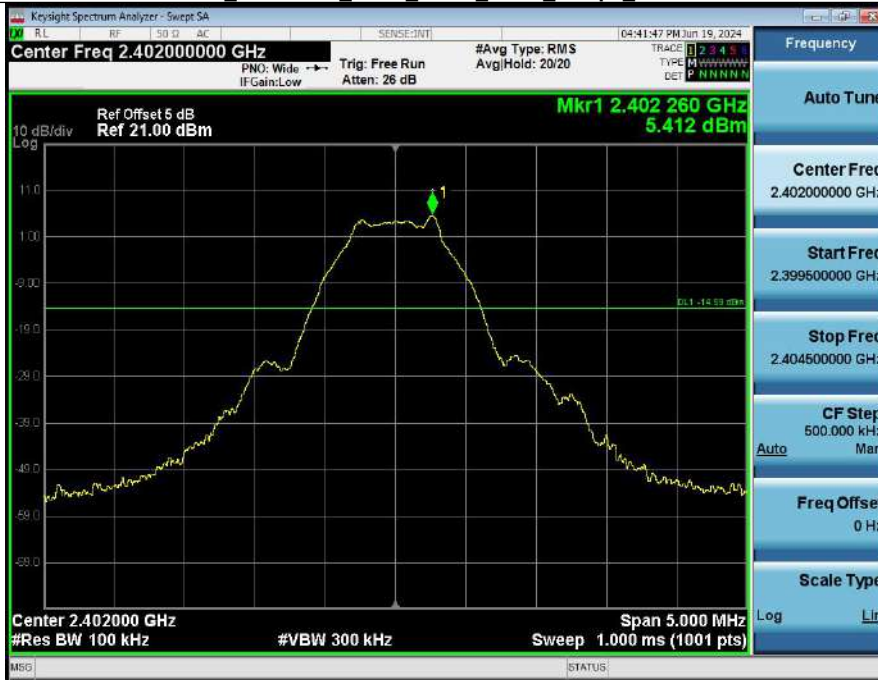
Power Spectral Density_NVNT_ANT1_2Mbps_2480



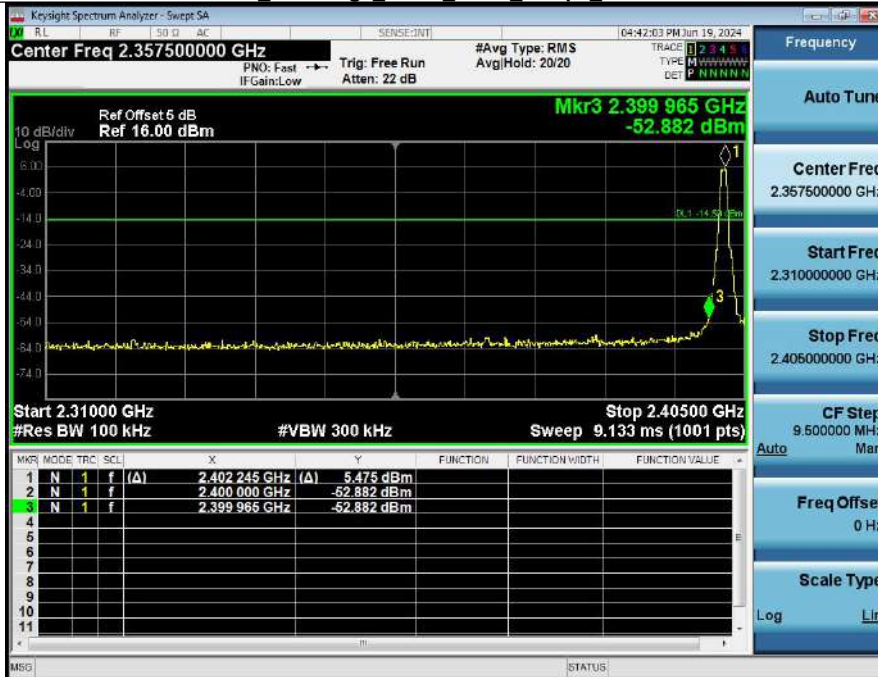
6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-52.882	-14.588	Pass
NVNT	ANT1	1Mbps	2480.00	2484.875	-57.982	-14.965	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-28.646	-15.654	Pass
NVNT	ANT1	2Mbps	2480.00	2483.700	-53.953	-16.092	Pass

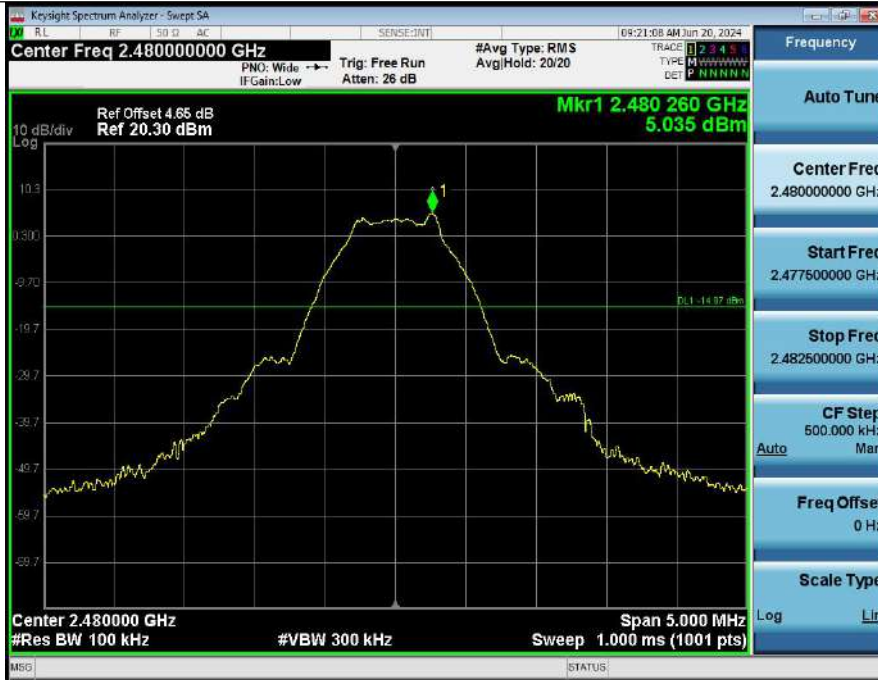
1 Reference_Level_NVNT_ANT1_1Mbps_2402



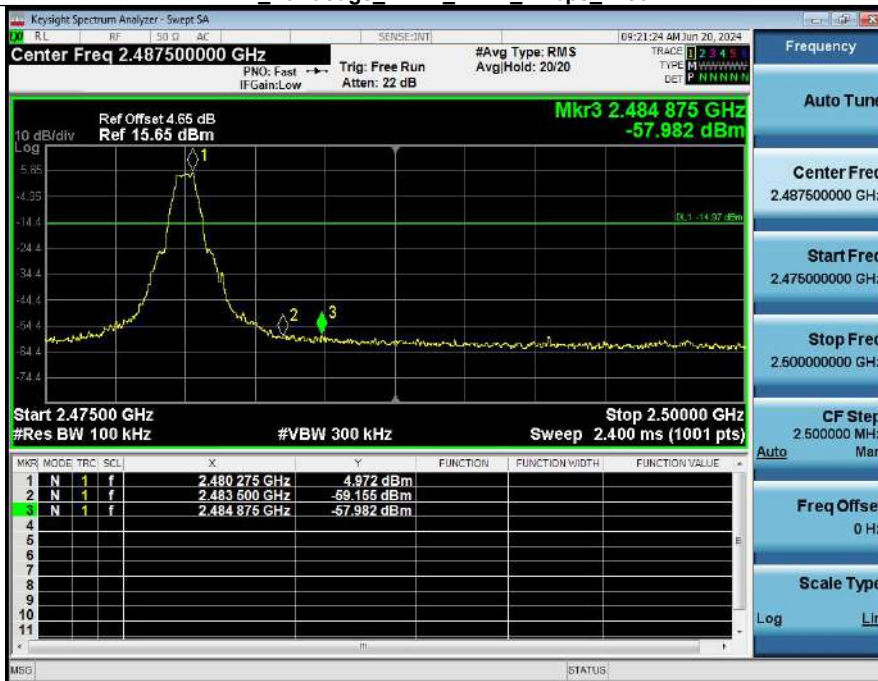
2 Bandedge_NVNT_ANT1_1Mbps_2402



1 Reference_Level_NVNT_ANT1_1Mbps_2480



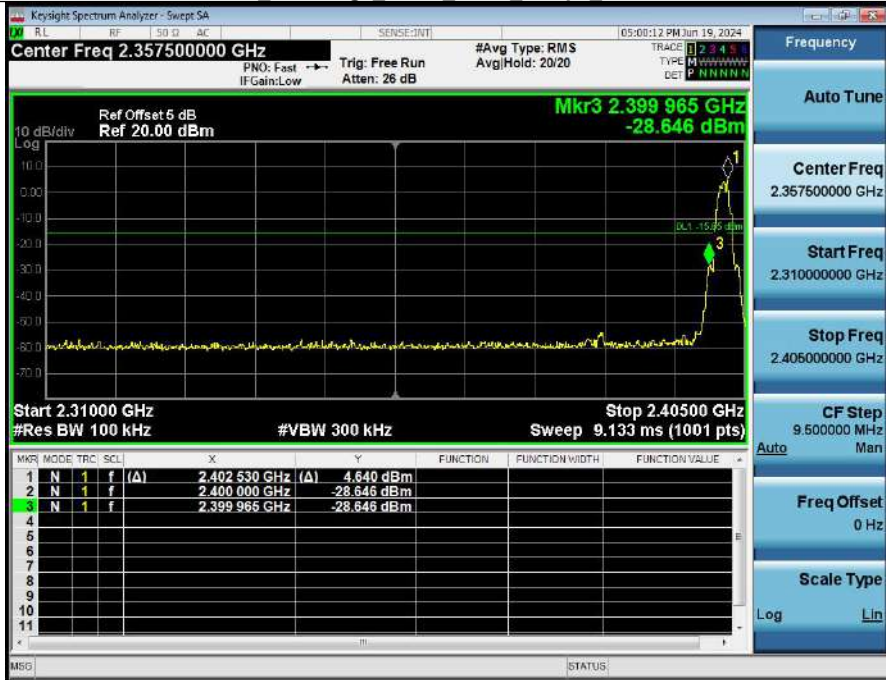
2_Bandedge_NVNT_ANT1_1Mbps_2480



1_Reference_Level_NVNT_ANT1_2Mbps_2402



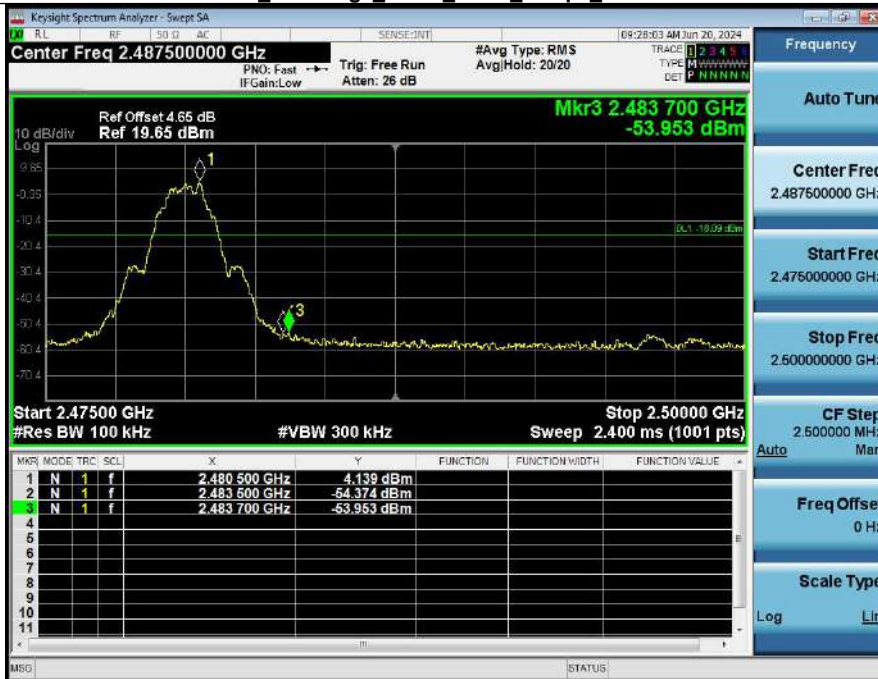
2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



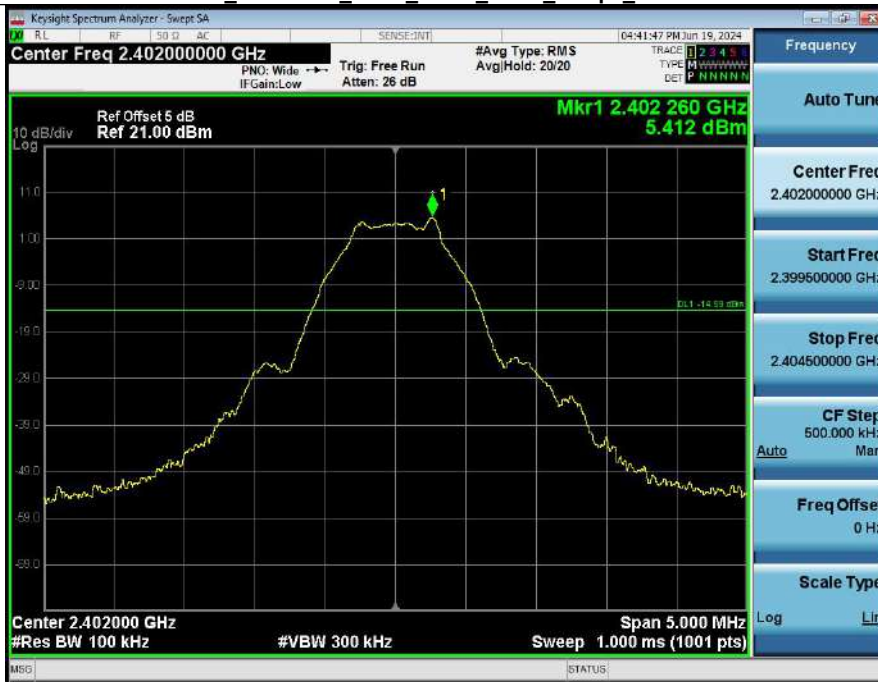
2_Bandedge_NVNT_ANT1_2Mbps_2480



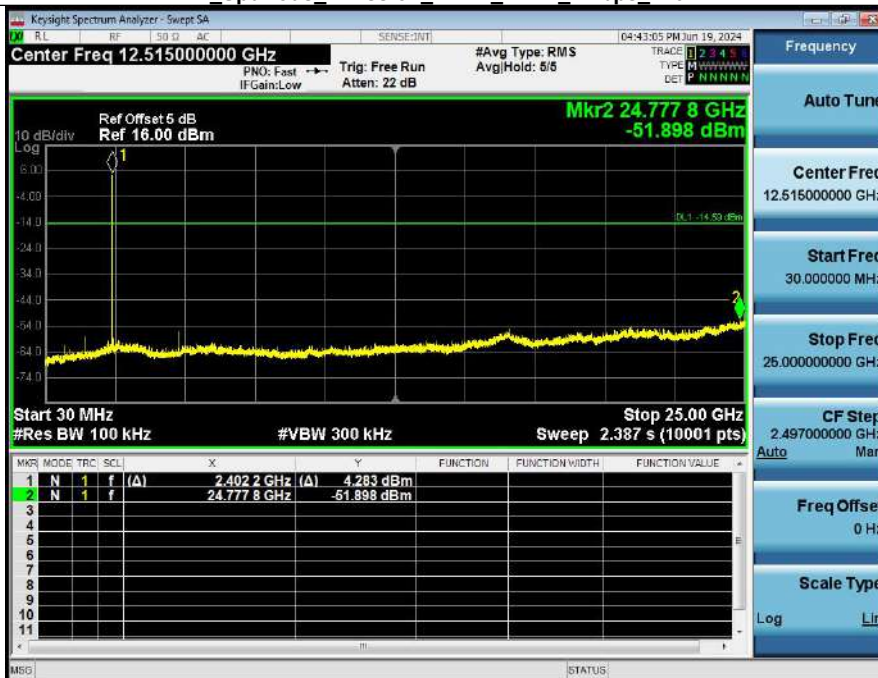
7. Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402.00	-51.898	-14.588	Pass
NVNT	ANT1	1Mbps	2440.00	-51.626	-15.162	Pass
NVNT	ANT1	1Mbps	2480.00	-52.101	-14.965	Pass
NVNT	ANT1	2Mbps	2402.00	-47.843	-16.654	Pass
NVNT	ANT1	2Mbps	2440.00	-47.166	-16.159	Pass
NVNT	ANT1	2Mbps	2480.00	-47.636	-16.092	Pass

1 Reference_Level_NVNT_ANT1_1Mbps_2402



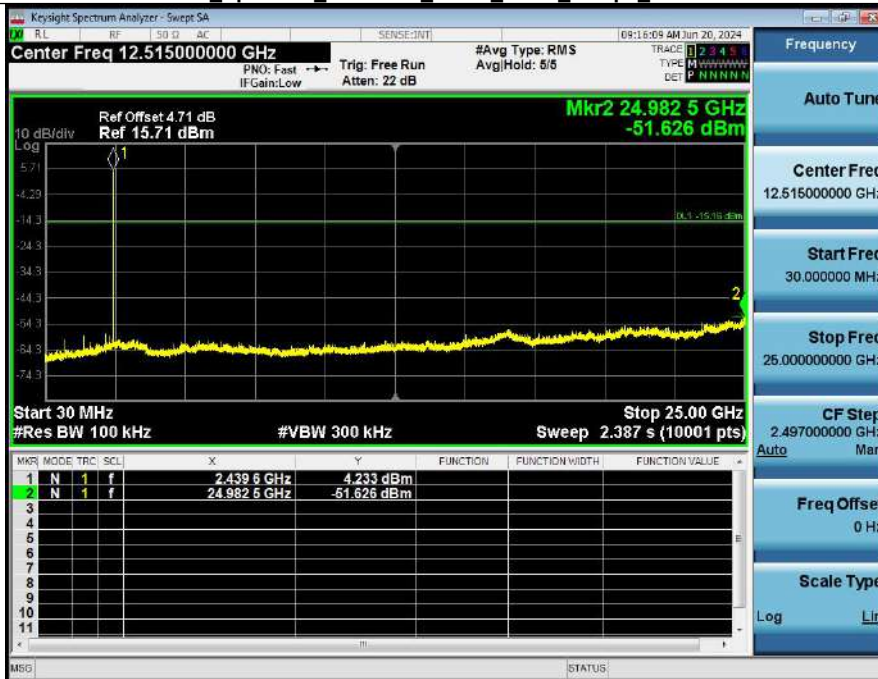
2 Spurious Emission_NVNT_ANT1_1Mbps_2402



1 Reference_Level_NVNT_ANT1_1Mbps_2440



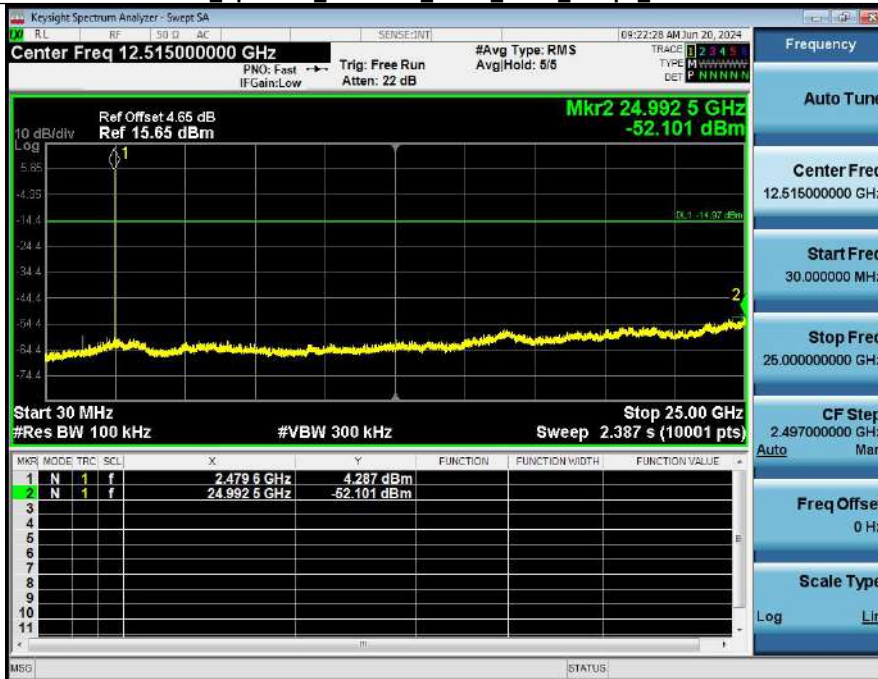
2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



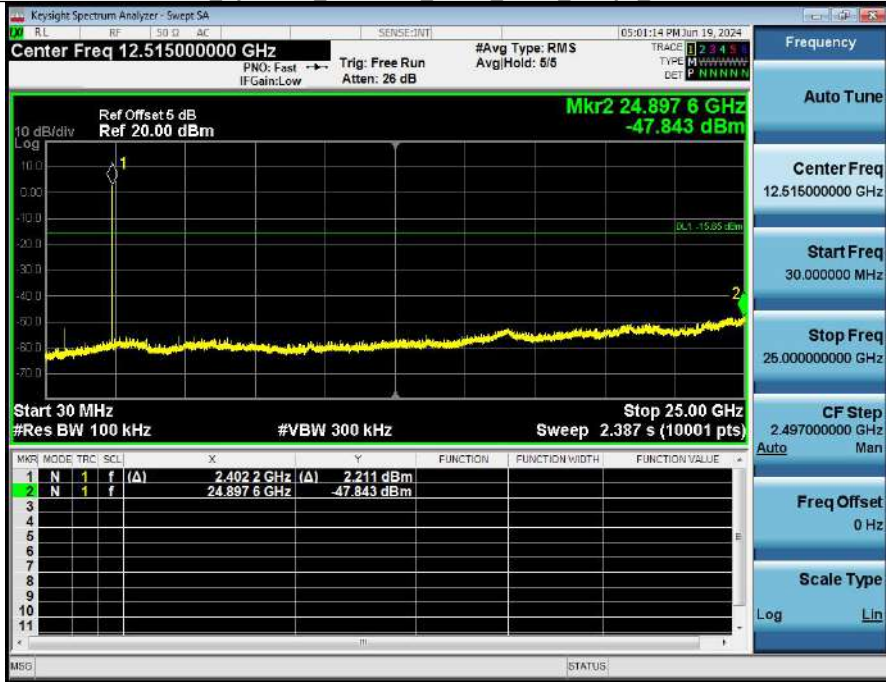
2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



1_Reference_Level_NVNT_ANT1_2Mbps_2402



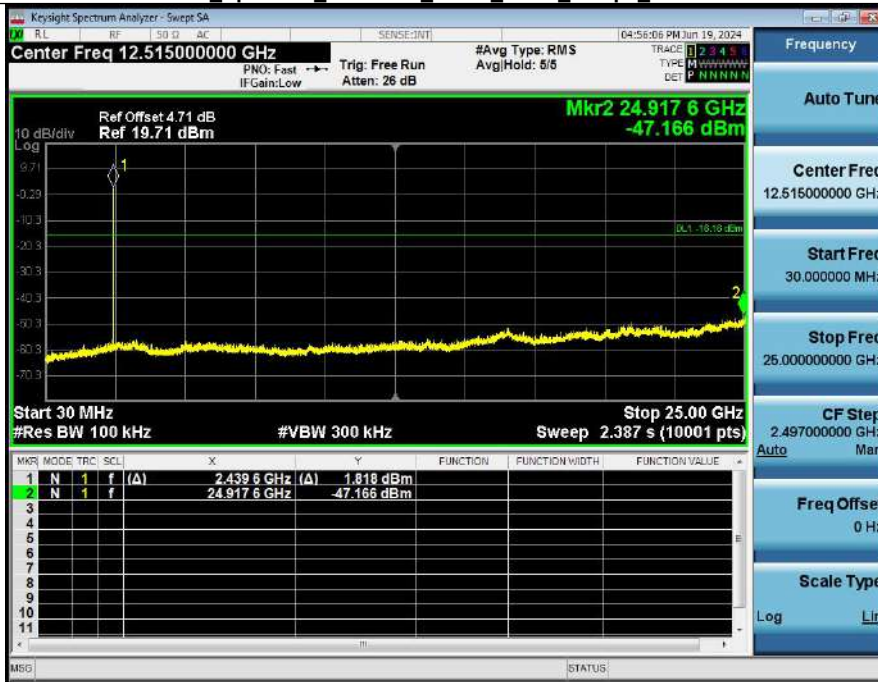
2_Spurious_Emission_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2440



2_Spurious_Emission_NVNT_ANT1_2Mbps_2440



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Spurious_Emission_NVNT_ANT1_2Mbps_2480

