

RF Test Data
Report No.:NCT26024696XE1-1
FCC ID:2BNNN-G10E

Table of Contents

1. -6dB Bandwidth	2
2. 99% Occupied Bandwidth	5
3. Duty Cycle	8
4. Peak Output Power	11
5. Power Spectral Density	14
6. Bandedge	17
7. Spurious Emission	21

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	669.99	500	Pass
NVNT	ANT1	1Mbps	2440.00	668.49	500	Pass
NVNT	ANT1	1Mbps	2480.00	667.02	500	Pass
NVNT	ANT1	2Mbps	2402.00	1234.79	500	Pass
NVNT	ANT1	2Mbps	2440.00	1244.74	500	Pass
NVNT	ANT1	2Mbps	2480.00	1241.82	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	1.030
NVNT	ANT1	1Mbps	2440.00	1.030
NVNT	ANT1	1Mbps	2480.00	1.029
NVNT	ANT1	2Mbps	2402.00	2.054
NVNT	ANT1	2Mbps	2440.00	2.059
NVNT	ANT1	2Mbps	2480.00	2.068



99% Occupied Bandwidth NVNT ANT1 1Mbps 2480



99% Occupied Bandwidth NVNT_ANT1_2Mbps_2402



99% Occupied Bandwidth NVNT_ANT1_2Mbps_2440

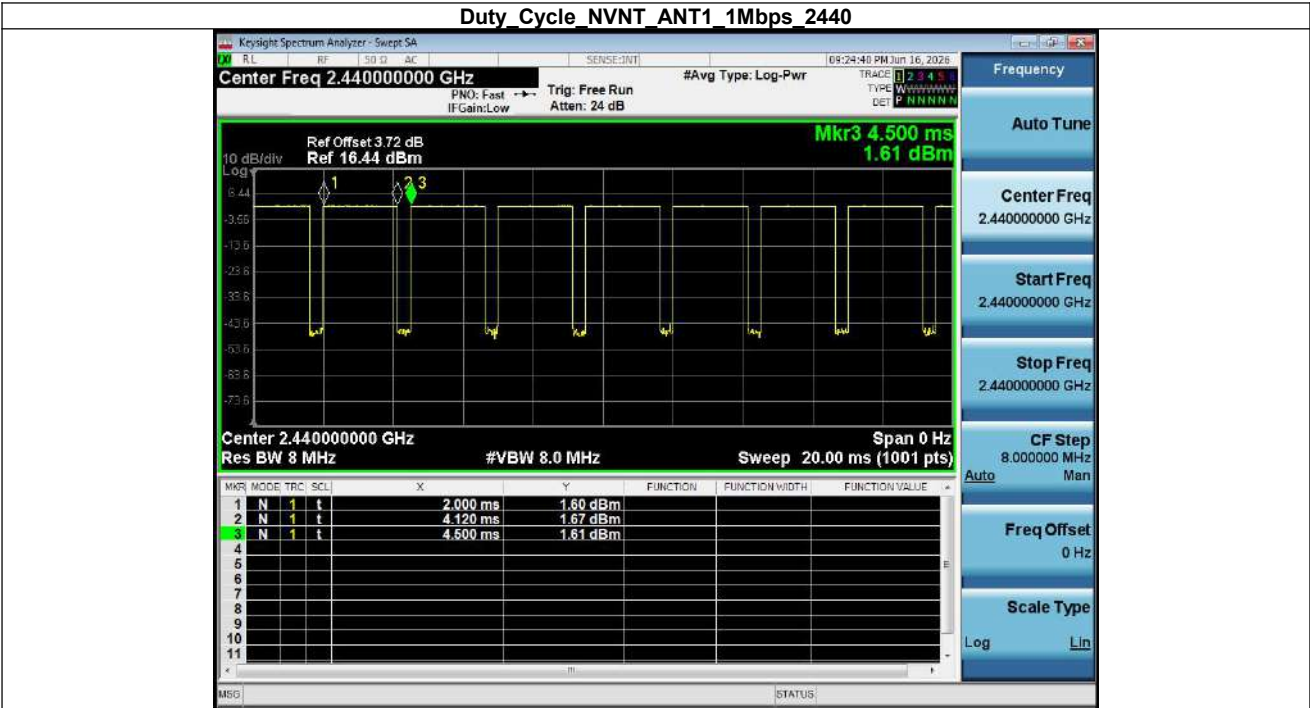
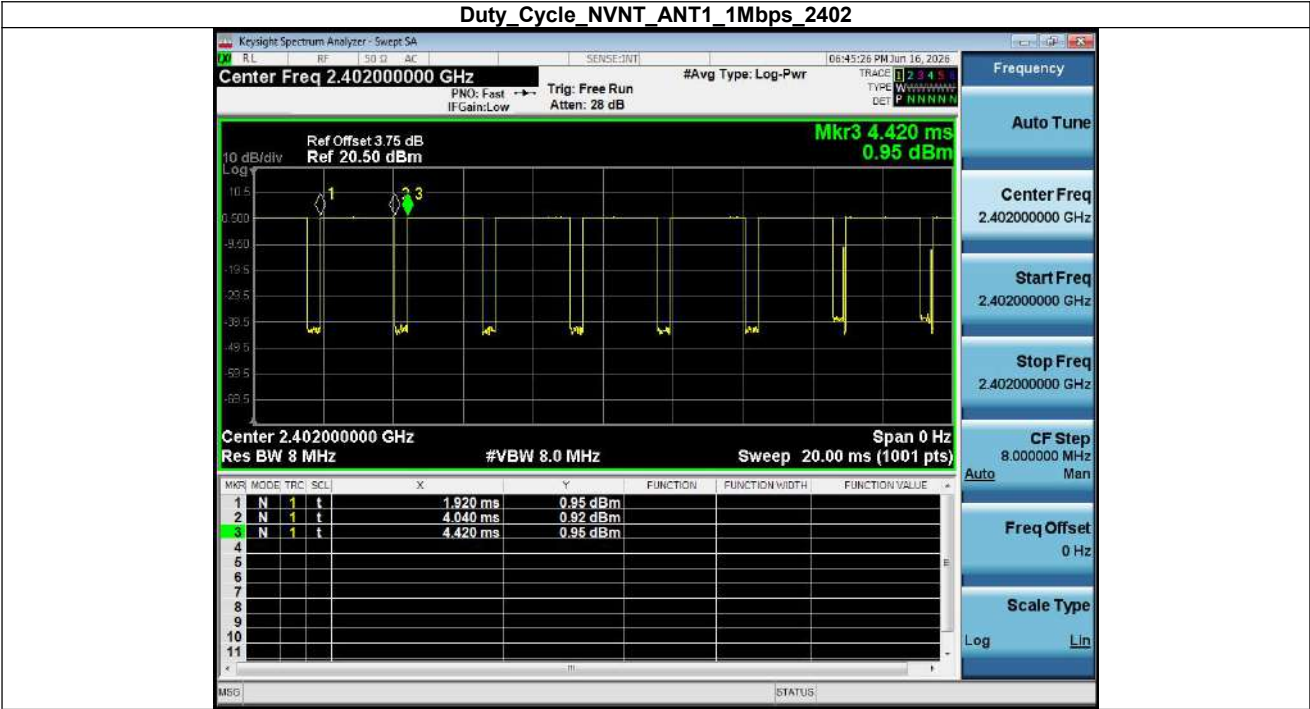


99% Occupied Bandwidth NVNT_ANT1_2Mbps_2480

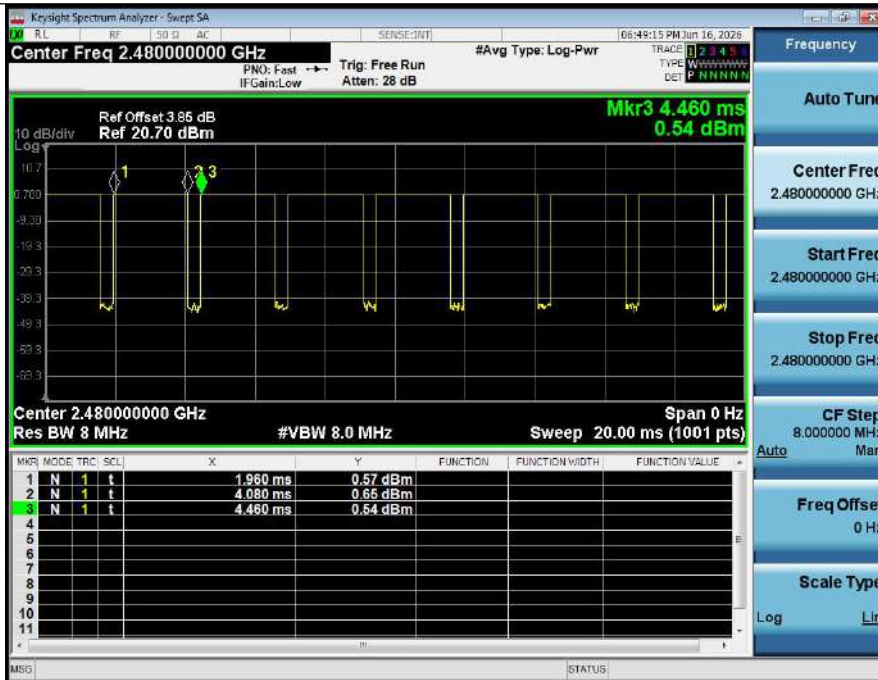


3. Duty Cycle

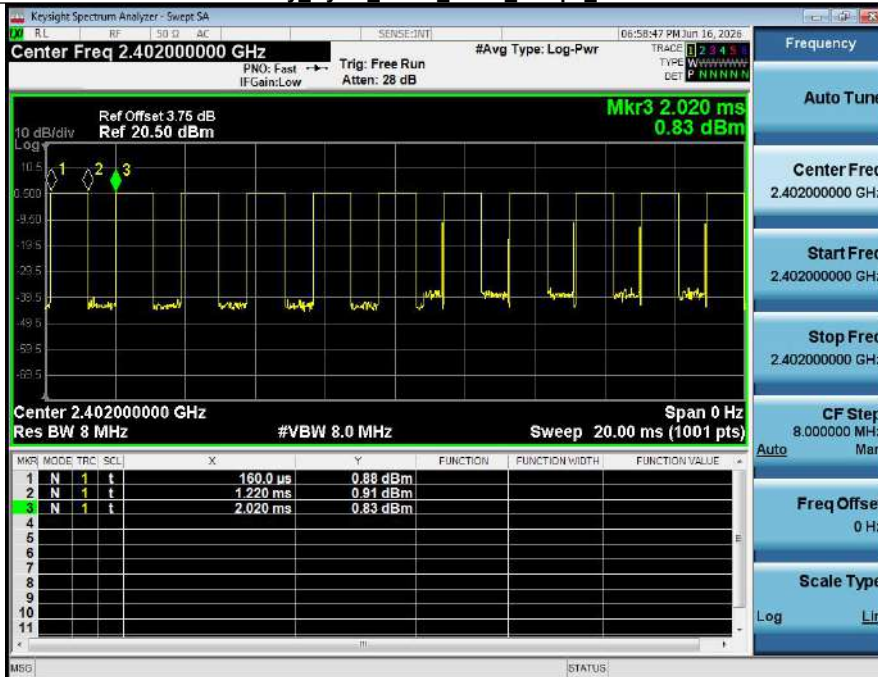
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	85.60	0.68
NVNT	ANT1	1Mbps	2440.00	85.60	0.68
NVNT	ANT1	1Mbps	2480.00	85.60	0.68
NVNT	ANT1	2Mbps	2402.00	56.99	2.44
NVNT	ANT1	2Mbps	2440.00	58.06	2.36
NVNT	ANT1	2Mbps	2480.00	58.06	2.36



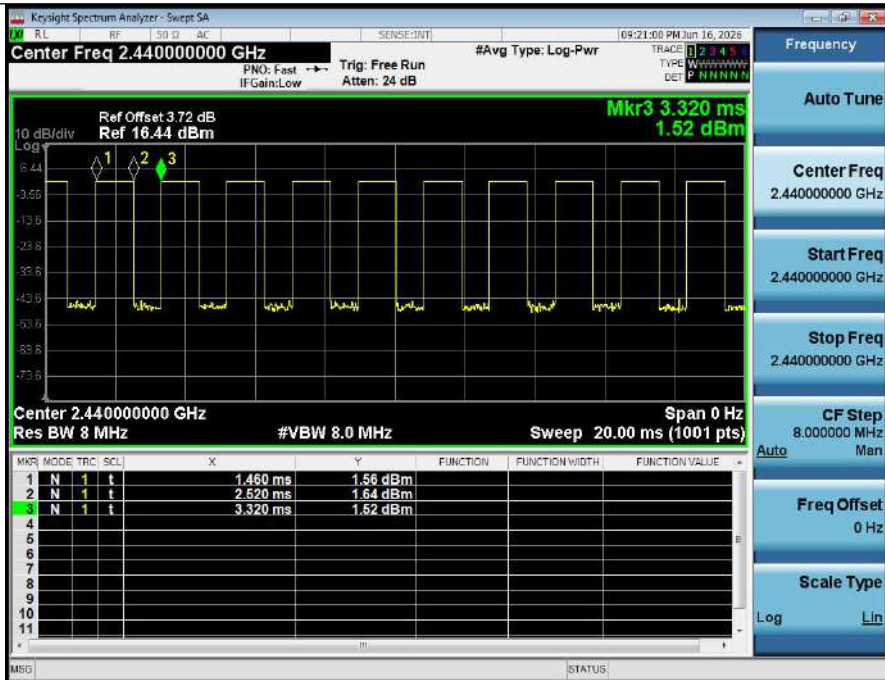
Duty_Cycle_NVNT_ANT1_1Mbps_2480



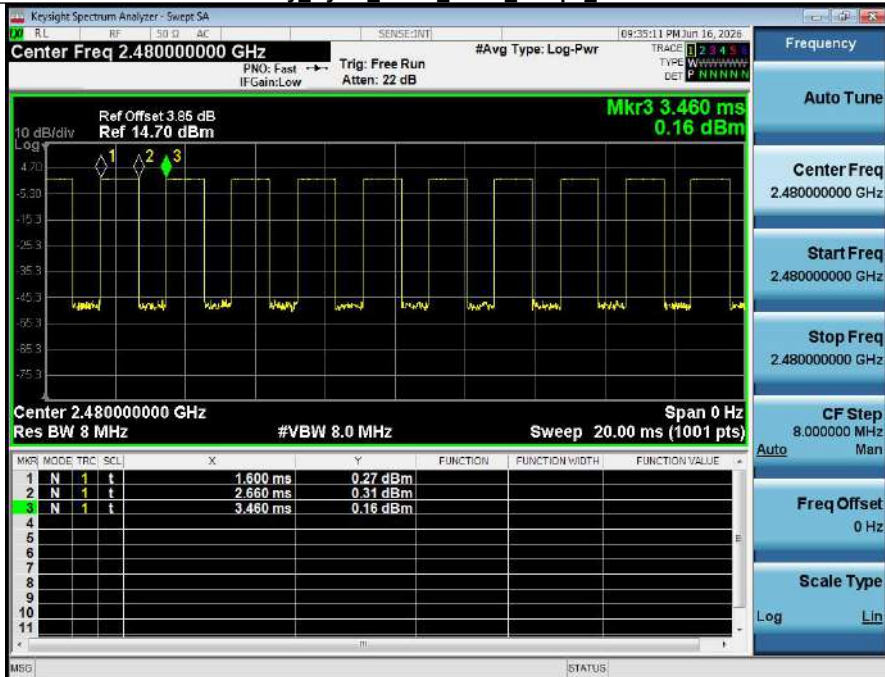
Duty Cycle_NVNT_ANT1_2Mbps_2402



Duty Cycle_NVNT_ANT1_2Mbps_2440

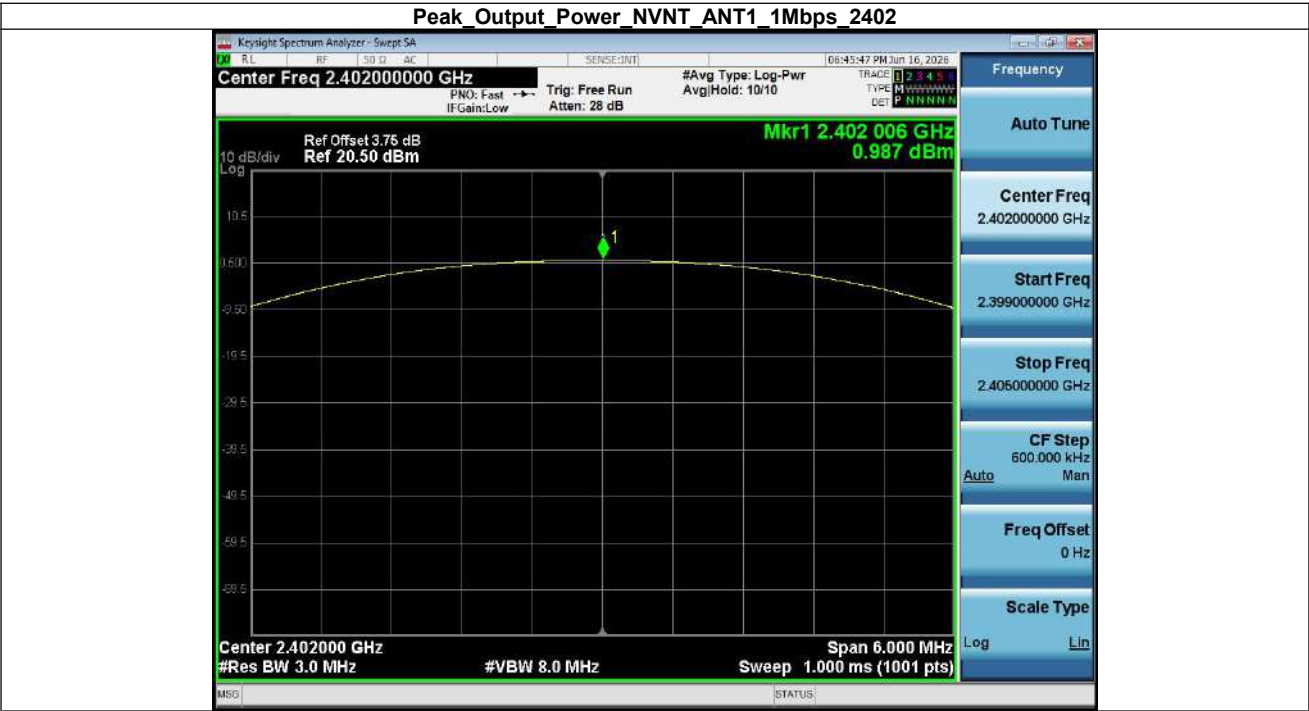


Duty Cycle_NVNT_ANT1_2Mbps_2480



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	0.99	1.26	1000	Pass
NVNT	ANT1	1Mbps	2440.00	1.68	1.47	1000	Pass
NVNT	ANT1	1Mbps	2480.00	0.62	1.15	1000	Pass
NVNT	ANT1	2Mbps	2402.00	0.94	1.24	1000	Pass
NVNT	ANT1	2Mbps	2440.00	1.62	1.45	1000	Pass
NVNT	ANT1	2Mbps	2480.00	0.55	1.14	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/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-15.18	8	Pass
NVNT	ANT1	1Mbps	2440.00	-14.45	8	Pass
NVNT	ANT1	1Mbps	2480.00	-15.54	8	Pass
NVNT	ANT1	2Mbps	2402.00	-18.50	8	Pass
NVNT	ANT1	2Mbps	2440.00	-17.76	8	Pass
NVNT	ANT1	2Mbps	2480.00	-18.87	8	Pass





Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



Power_Spectral_Density_NVNT_ANT1_2Mbps_2440

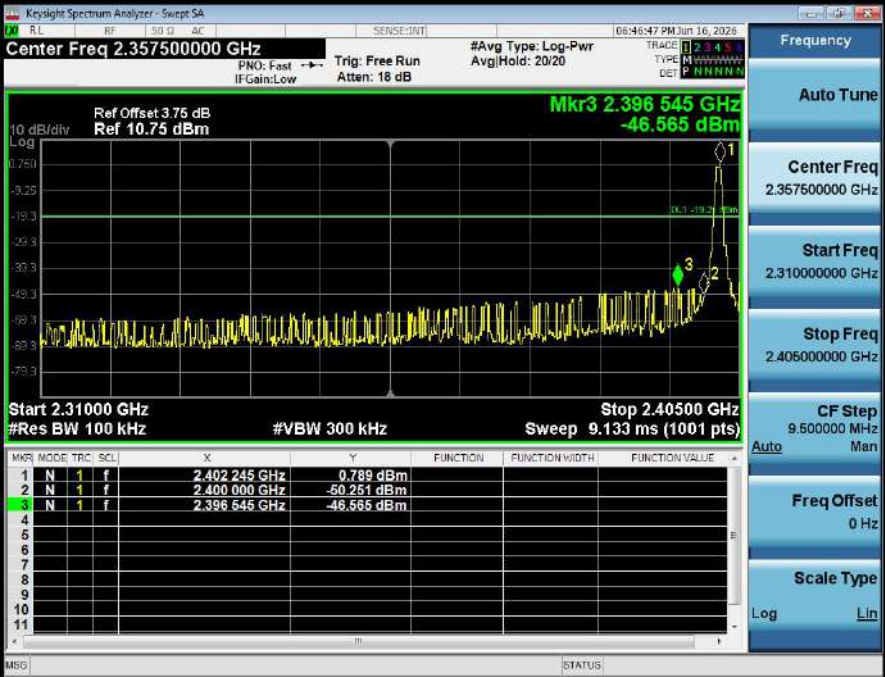
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2396.545	0.787	-46.565	-19.213	Pass
NVNT	ANT1	1Mbps	2480.00	2485.600	0.384	-43.814	-19.616	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-0.262	-32.383	-20.262	Pass
NVNT	ANT1	2Mbps	2480.00	2484.350	-0.510	-43.879	-20.510	Pass

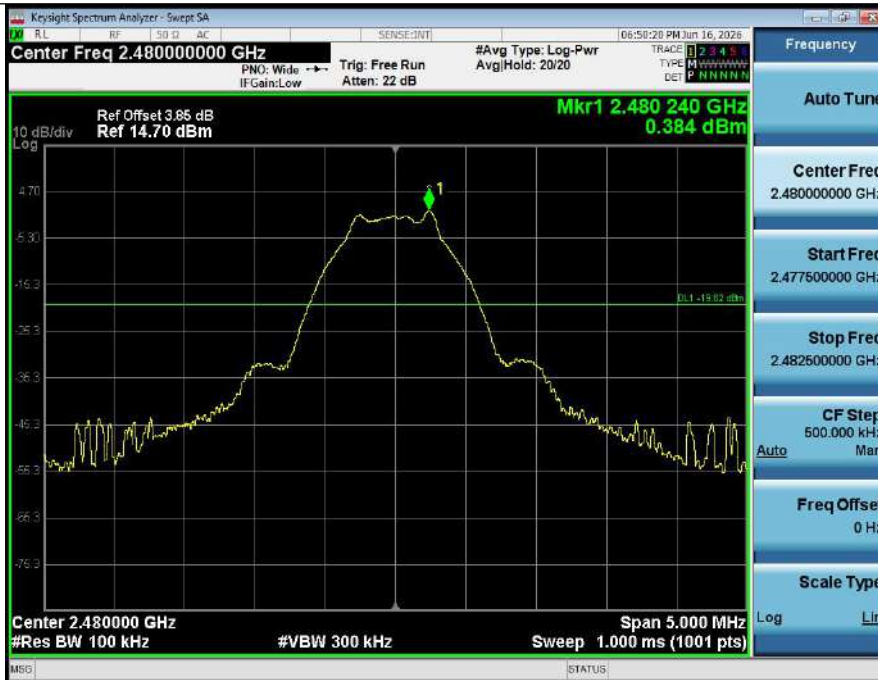
1_Reference_Level_NVNT_ANT1_1Mbps_2402



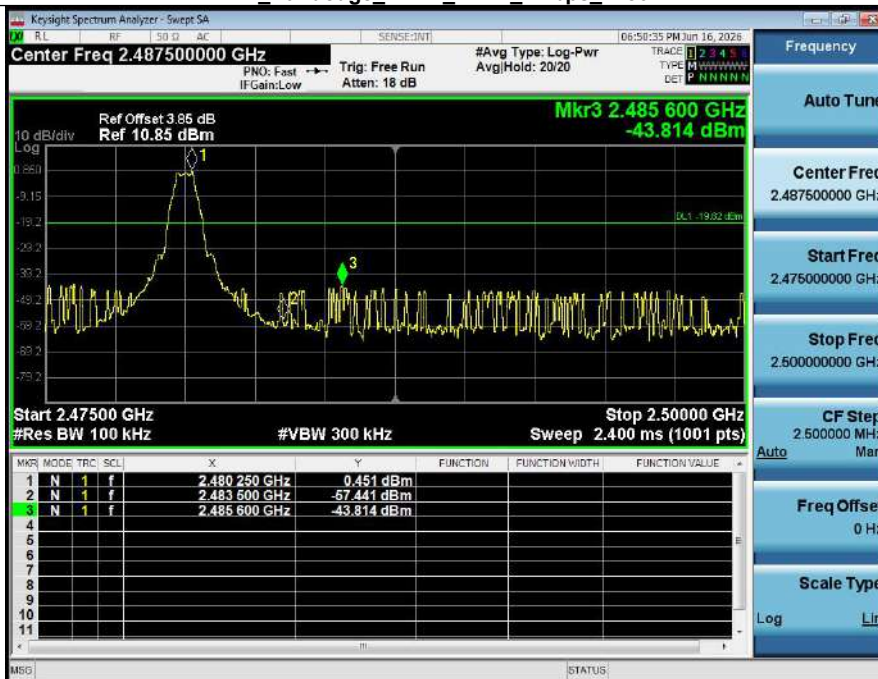
2_Bandedge_NVNT_ANT1_1Mbps_2402



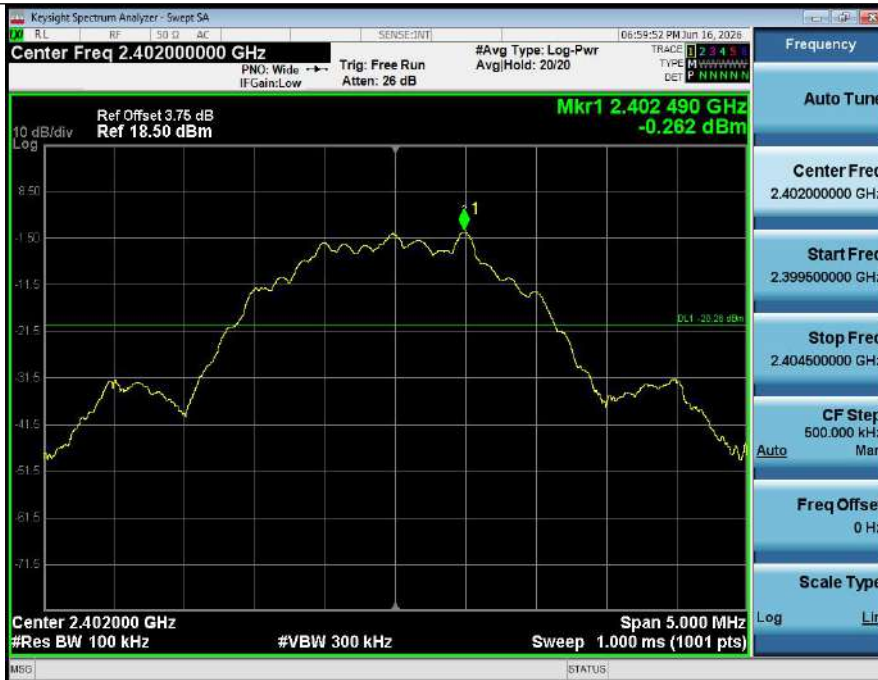
1_Reference_Level_NVNT_ANT1_1Mbps_2480



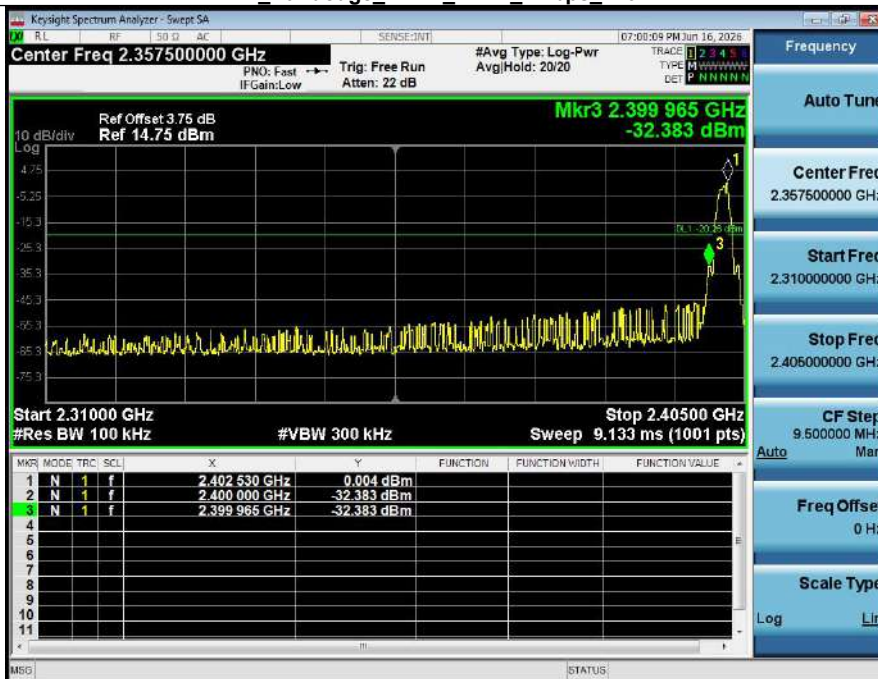
2_Bandedge_NVNT_ANT1_1Mbps_2480



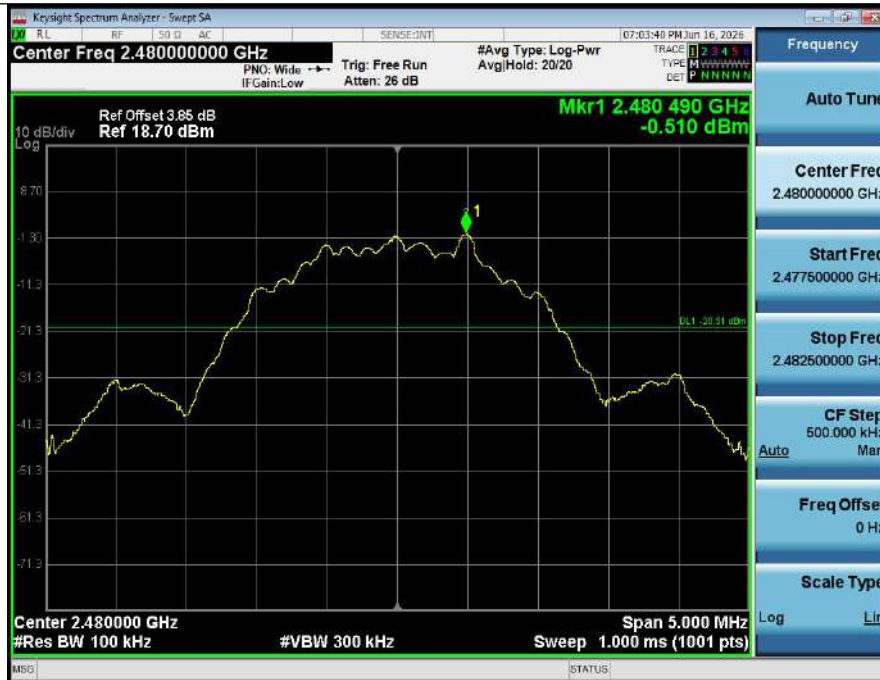
1_Reference_Level_NVNT_ANT1_2Mbps_2402



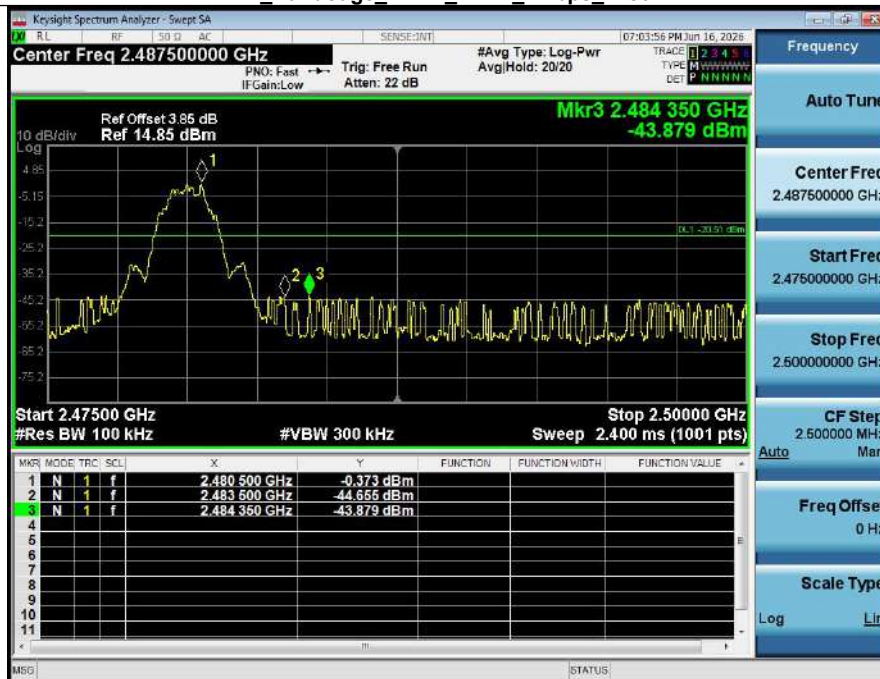
2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



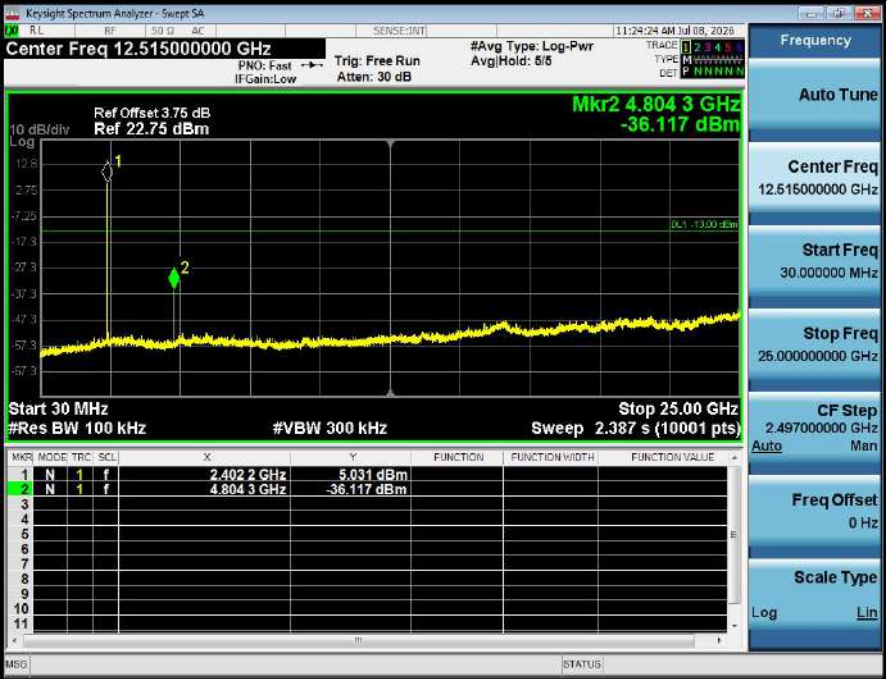
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	0.787	-36.117	-19.213	Pass
NVNT	ANT1	1Mbps	2440.00	1.389	-46.942	-18.611	Pass
NVNT	ANT1	1Mbps	2480.00	0.384	-47.164	-19.616	Pass
NVNT	ANT1	2Mbps	2402.00	-0.262	-36.365	-20.262	Pass
NVNT	ANT1	2Mbps	2440.00	0.380	-48.900	-19.620	Pass
NVNT	ANT1	2Mbps	2480.00	-0.510	-41.899	-20.510	Pass

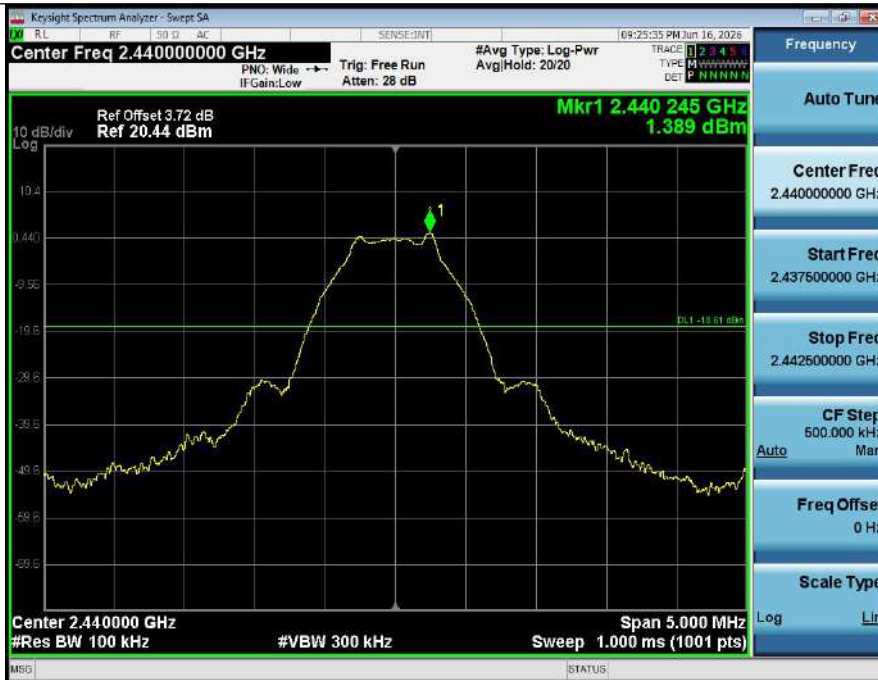
1 Reference_Level_NVNT_ANT1_1Mbps_2402



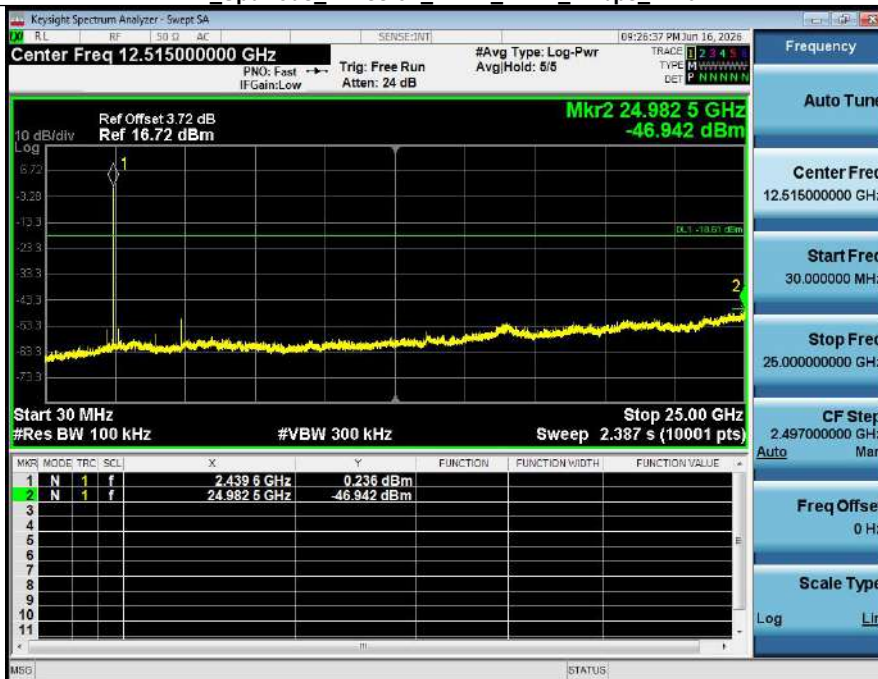
2 Spurious Emission_NVNT_ANT1_1Mbps_2402



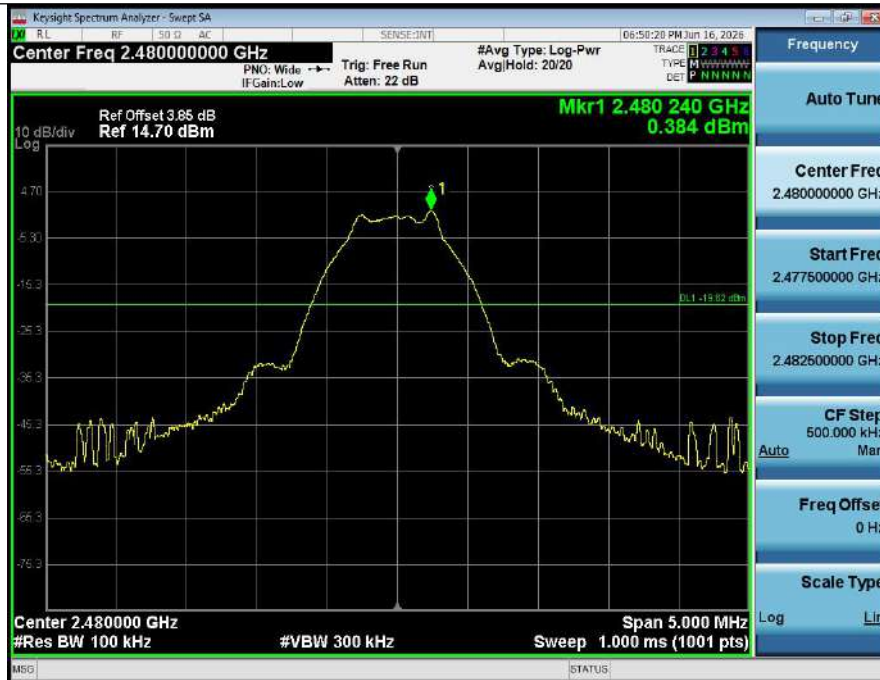
1 Reference_Level_NVNT_ANT1_1Mbps_2440



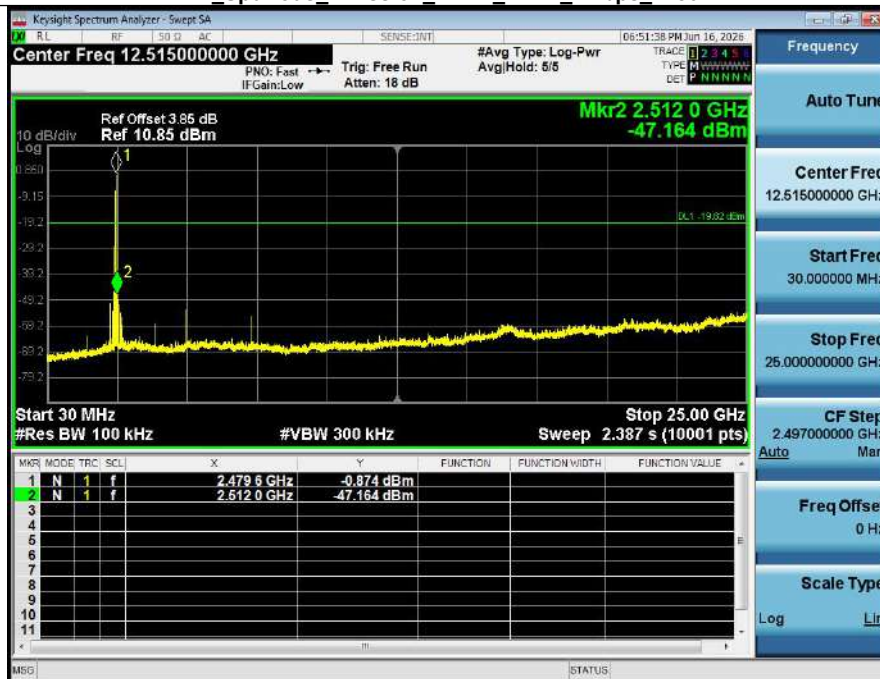
2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



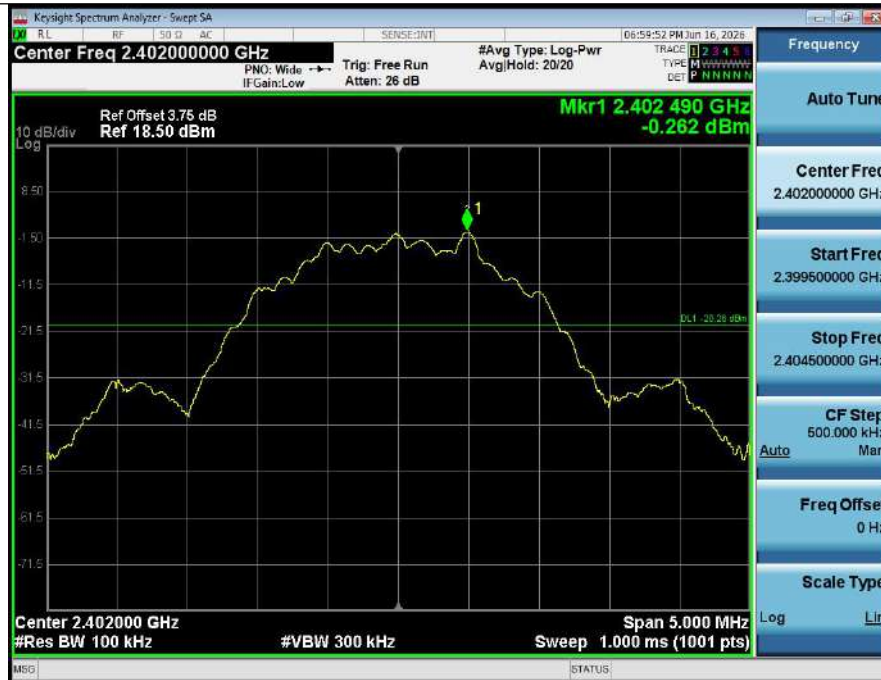
1_Reference_Level_NVNT_ANT1_1Mbps_2480



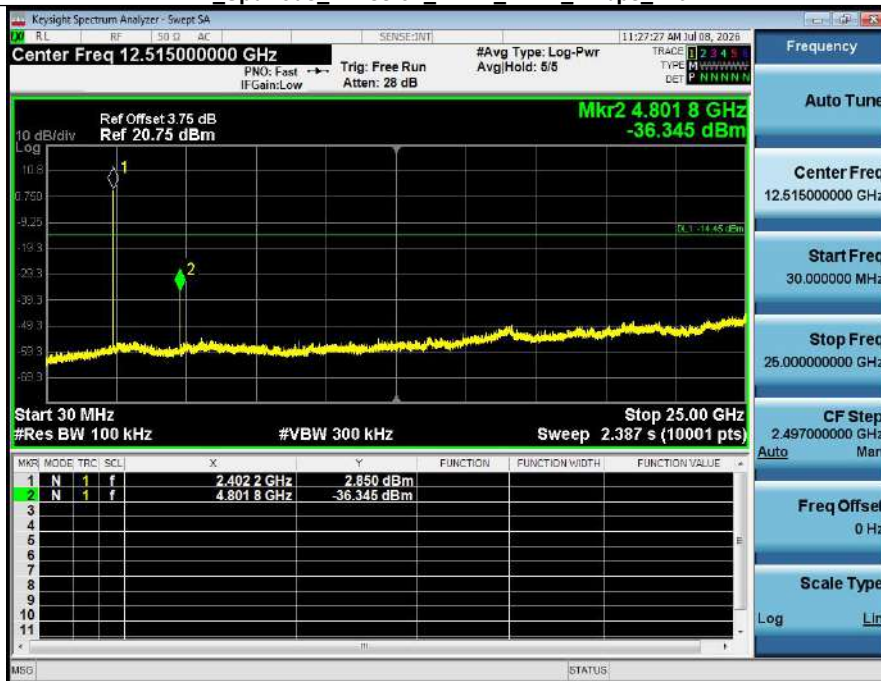
2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



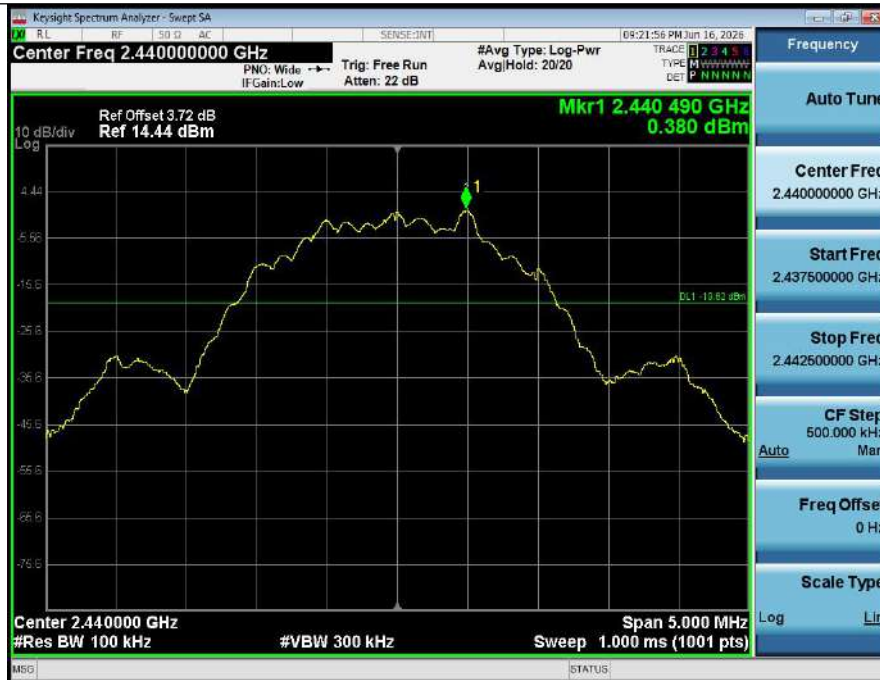
1_Reference_Level_NVNT_ANT1_2Mbps_2402



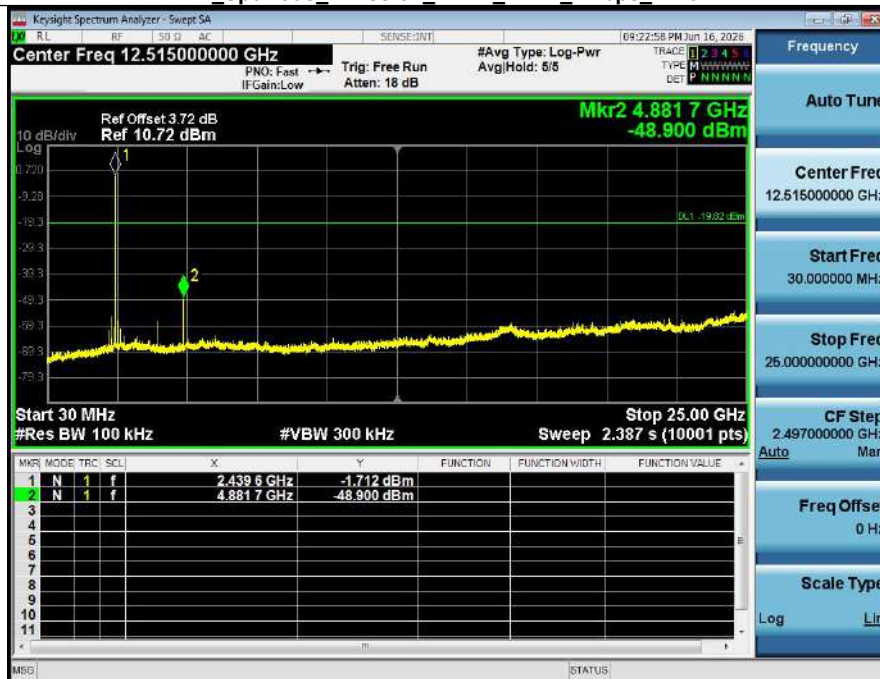
2_Spurious_Emission_NVNT_ANT1_2Mbps_2402



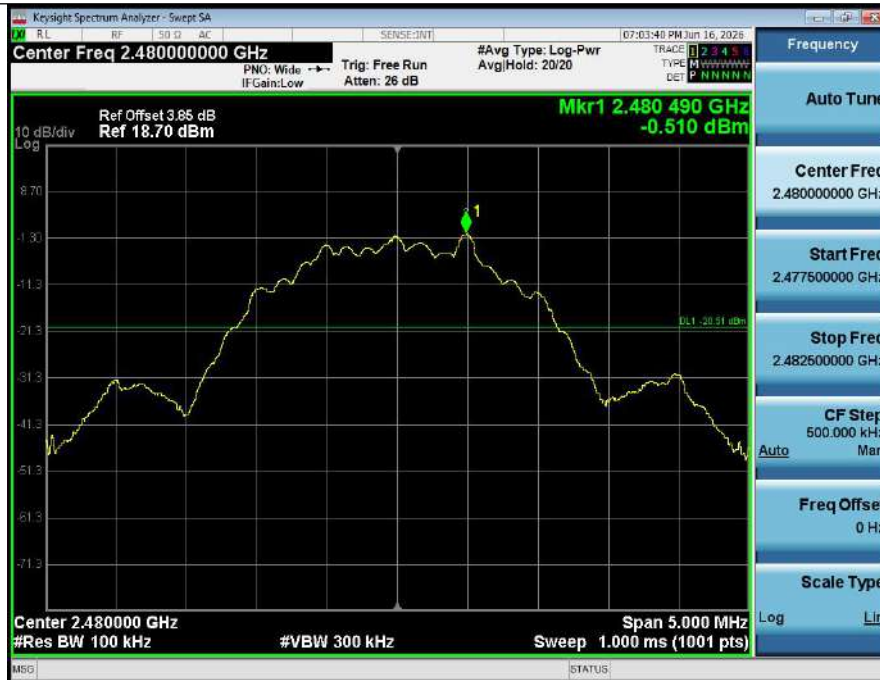
1_Reference_Level_NVNT_ANT1_2Mbps_2440



2_Spurious_Emission_NVNT_ANT1_2Mbps_2440



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Spurious_Emission_NVNT_ANT1_2Mbps_2480

