Report No.: MAX250422210P02-R01
FCC ID:2BFZP-C79
FCC_BLE (Part15.247) Test Data

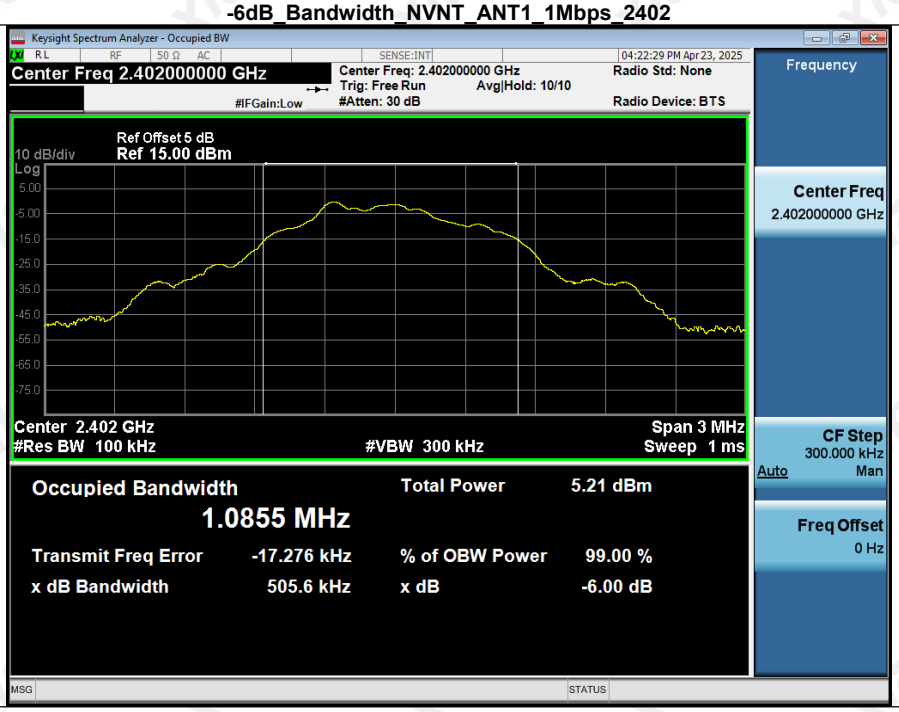
Table of Contents

1. -6dB Bandwidth 2
2. 99% Occupied Bandwidth 4
3. Duty Cycle 6
4. Peak Output Power 8
5. Power Spectral Density 10
6. Bandedge 12
7. Spurious Emission 14

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	505.62	500	Pass
NVNT	ANT1	1Mbps	2440.00	511.93	500	Pass
NVNT	ANT1	1Mbps	2480.00	527.15	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480

2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.053
NVNT	ANT1	1Mbps	2440.00	1.075
NVNT	ANT1	1Mbps	2480.00	1.118

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402

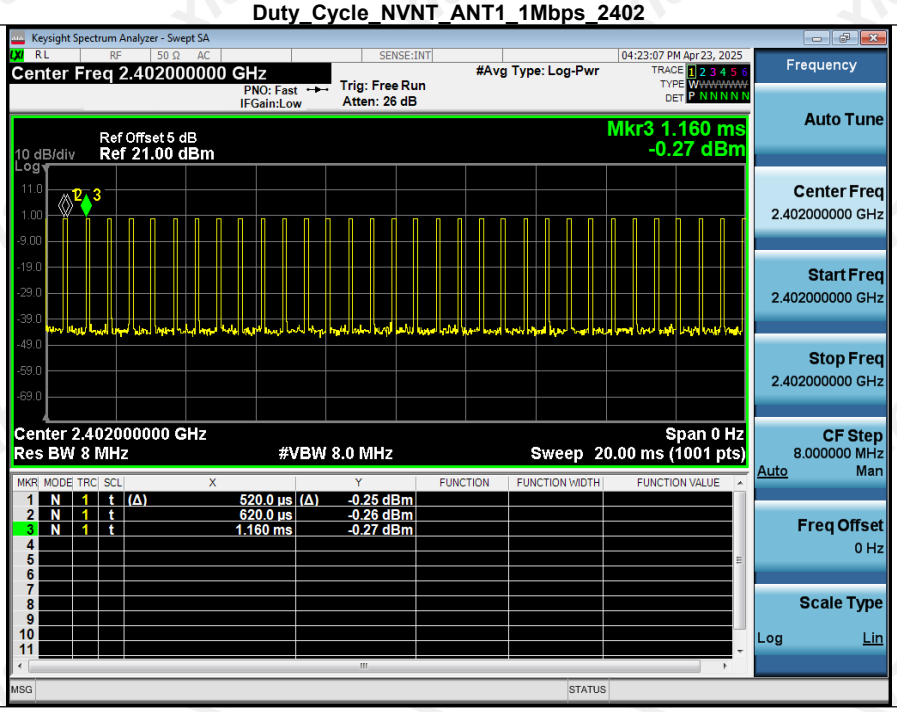
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480

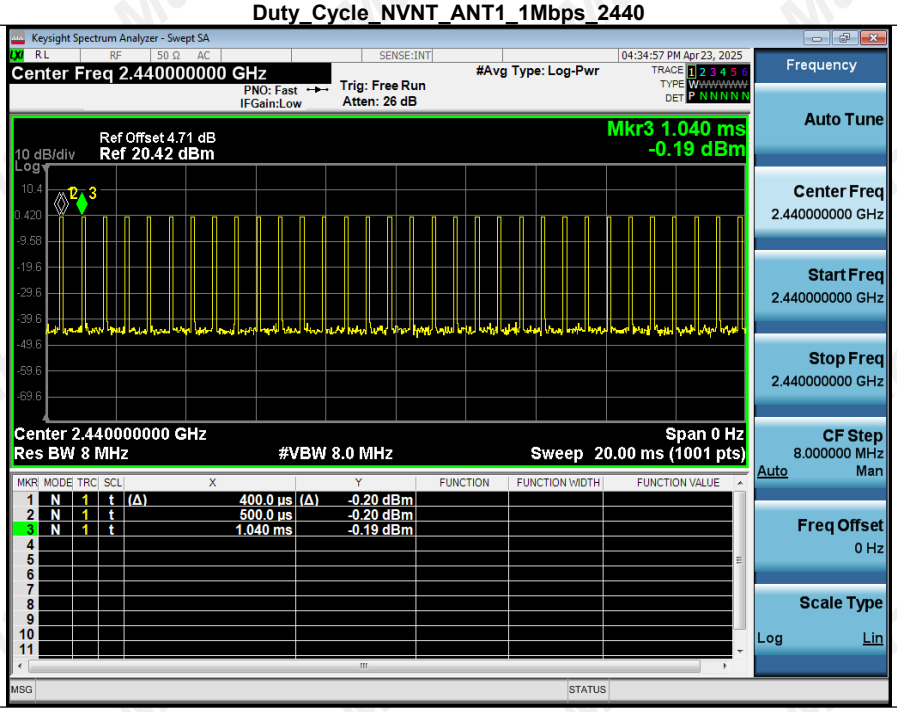
3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	18.75	7.27
NVNT	ANT1	1Mbps	2440.00	15.63	8.06
NVNT	ANT1	1Mbps	2480.00	16.13	7.92

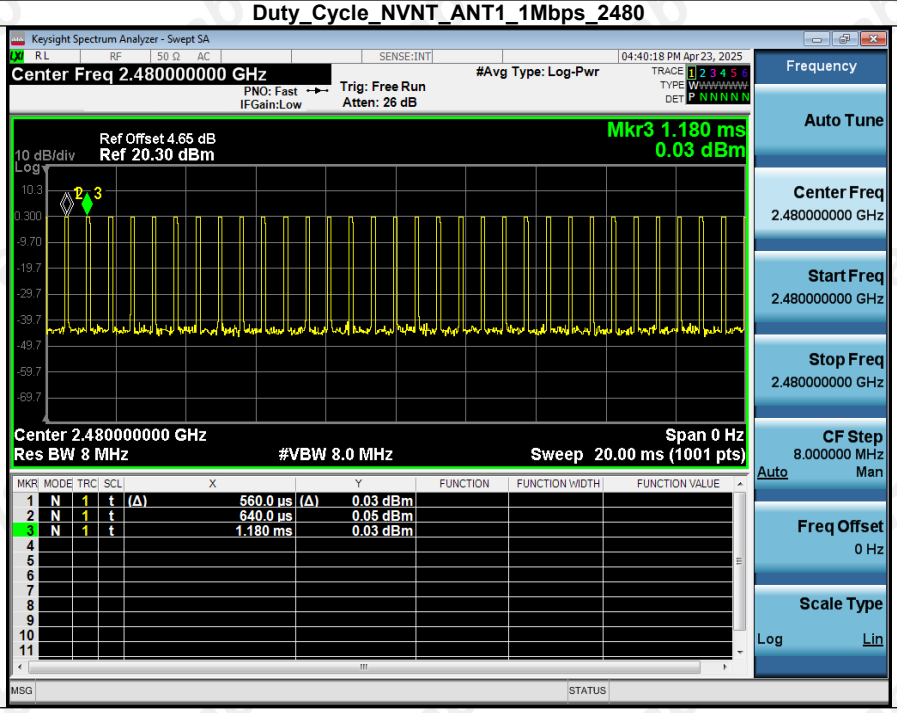
Duty_Cycle_NVNT_ANT1_1Mbps_2402



Duty_Cycle_NVNT_ANT1_1Mbps_2440



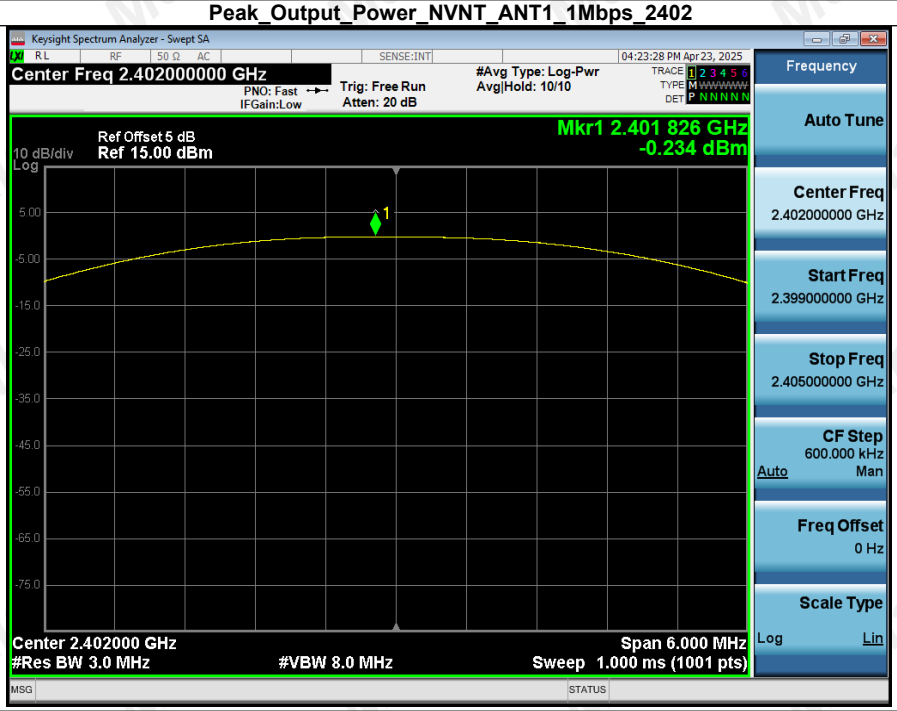
Duty_Cycle_NVNT_ANT1_1Mbps_2480



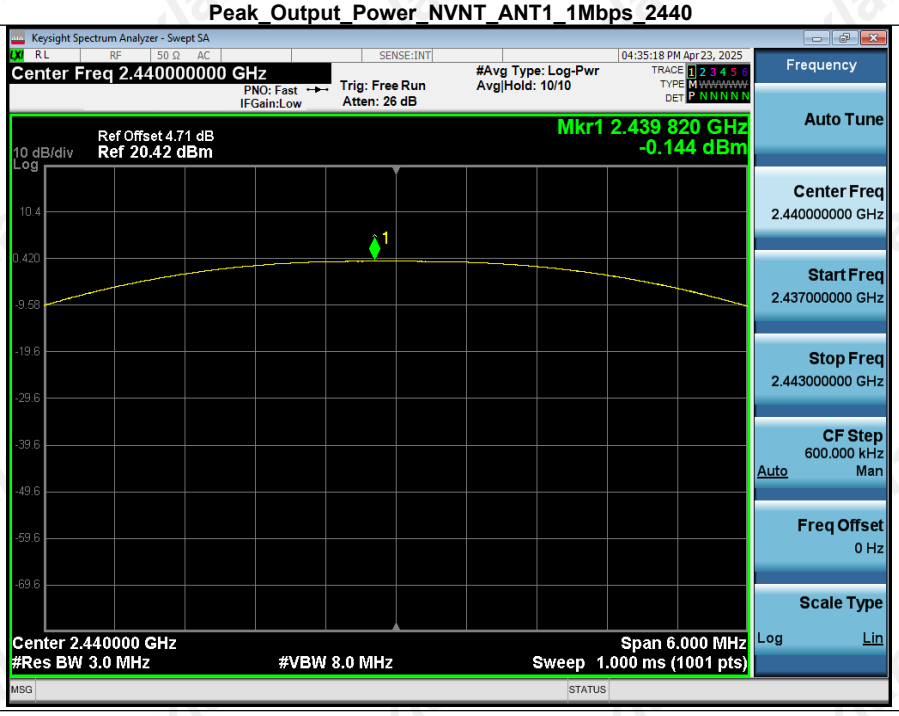
4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.23	0.95	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.14	0.97	1000	Pass
NVNT	ANT1	1Mbps	2480.00	0.06	1.01	1000	Pass

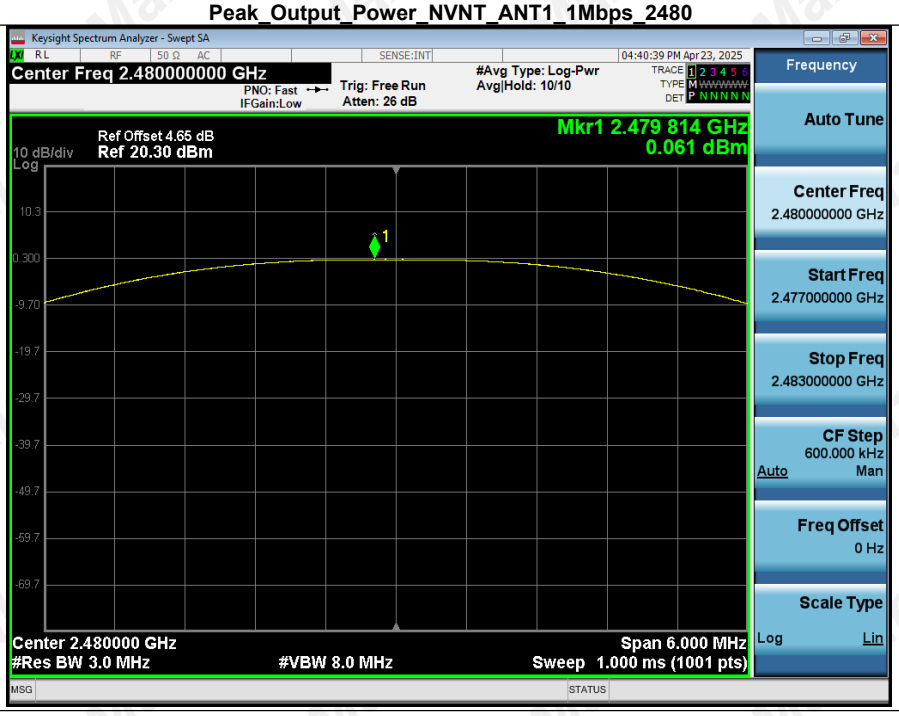
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



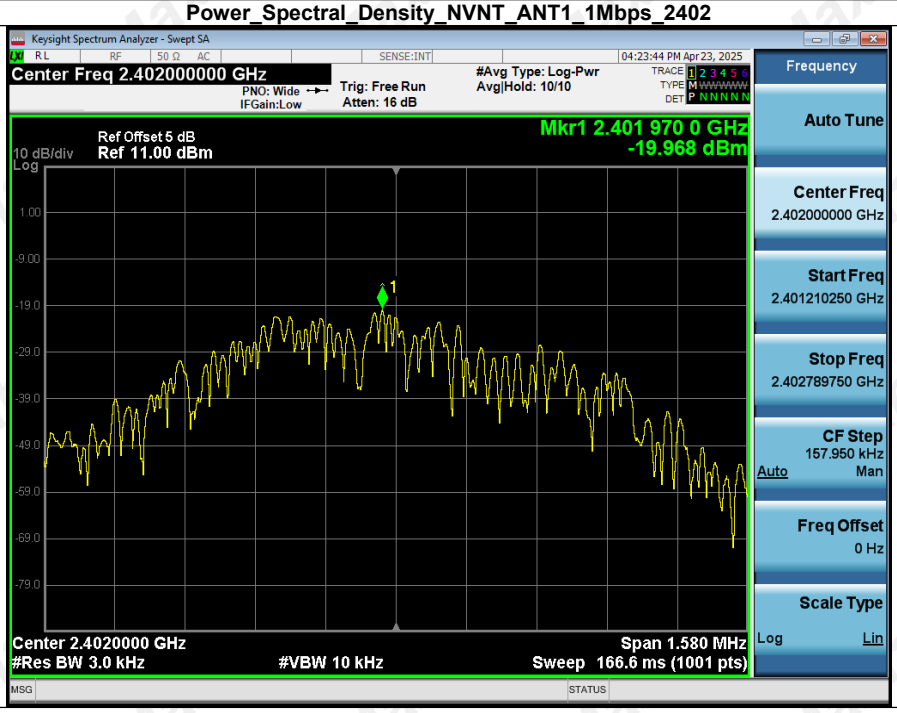
Peak_Output_Power_NVNT_ANT1_1Mbps_2480



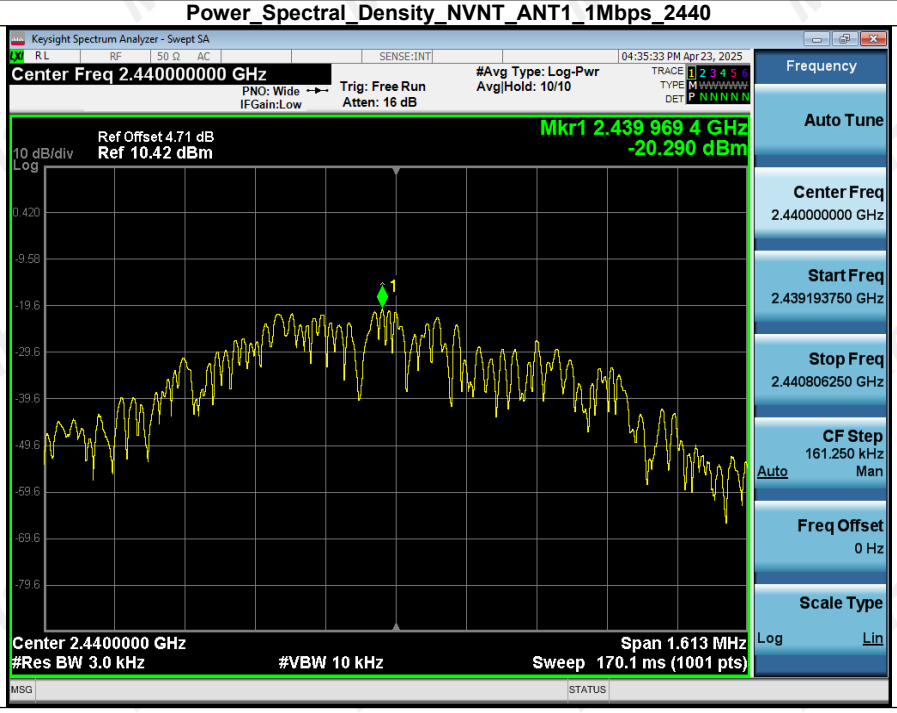
5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-19.97	8	Pass
NVNT	ANT1	1Mbps	2440.00	-20.29	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.53	8	Pass

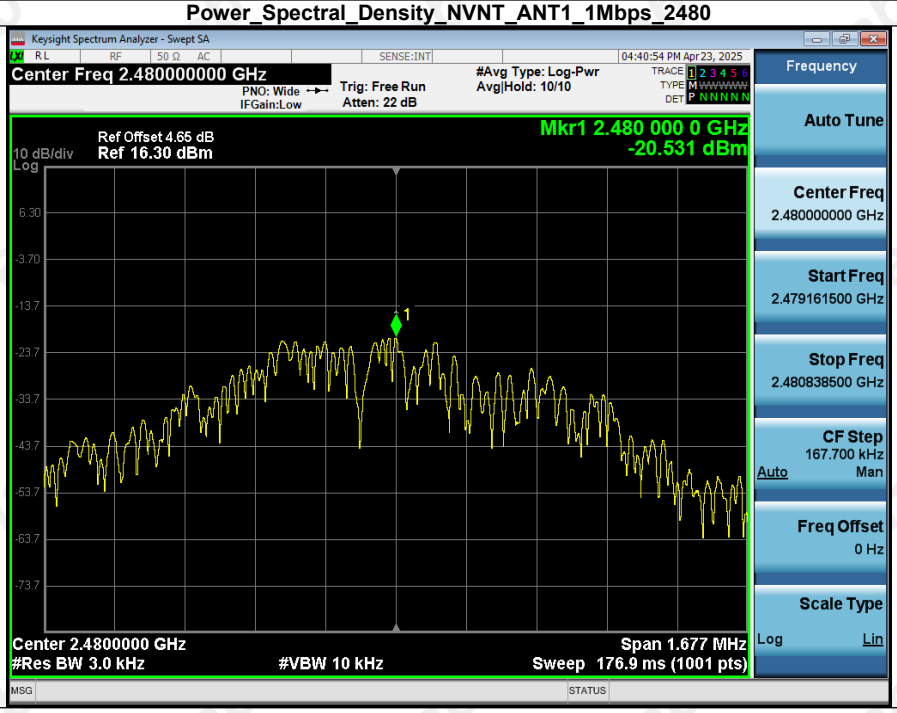
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



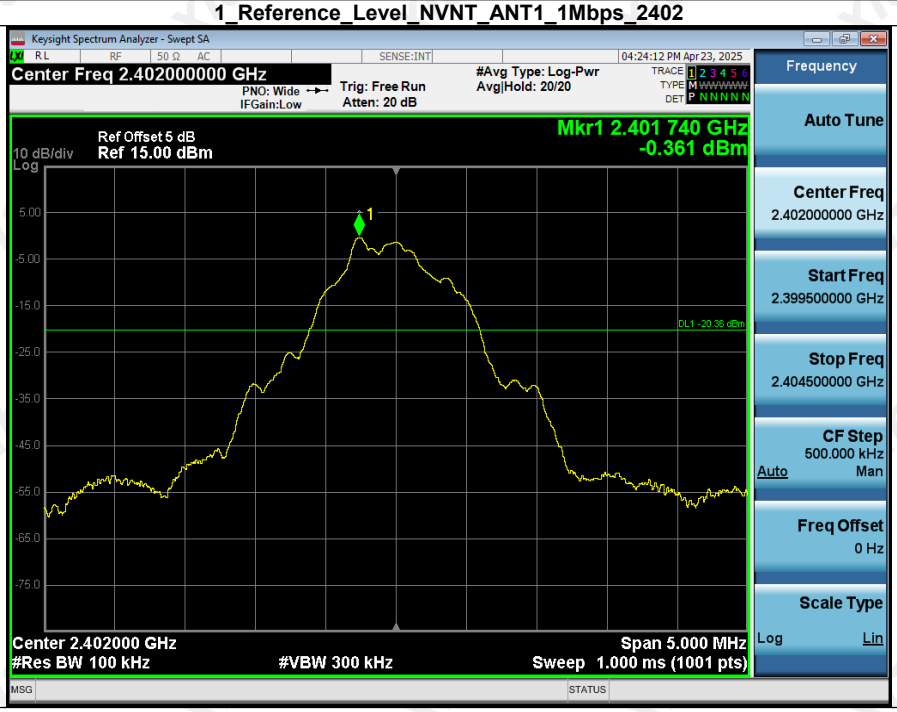
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



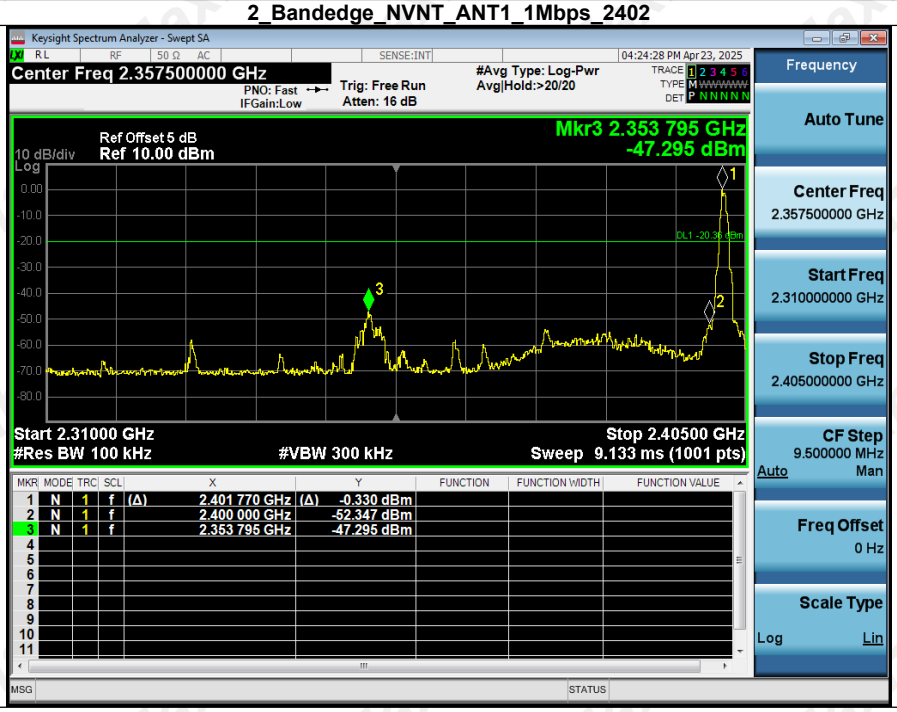
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2353.795	-0.361	-47.295	-20.361	Pass
NVNT	ANT1	1Mbps	2480.00	2495.950	-0.087	-53.328	-20.087	Pass

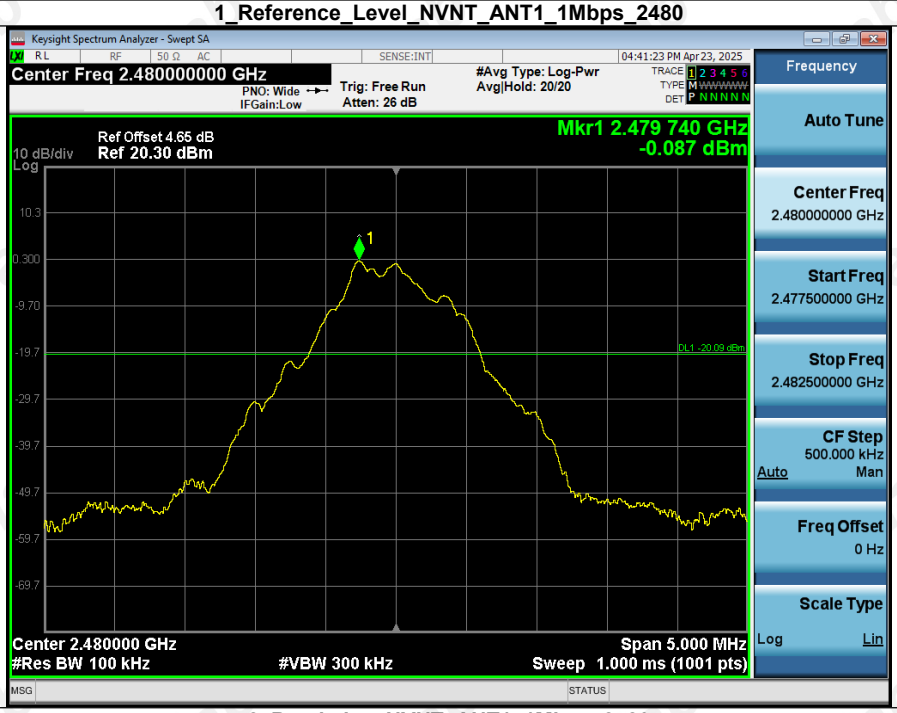
1_Reference_Level_NVNT_ANT1_1Mbps_2402



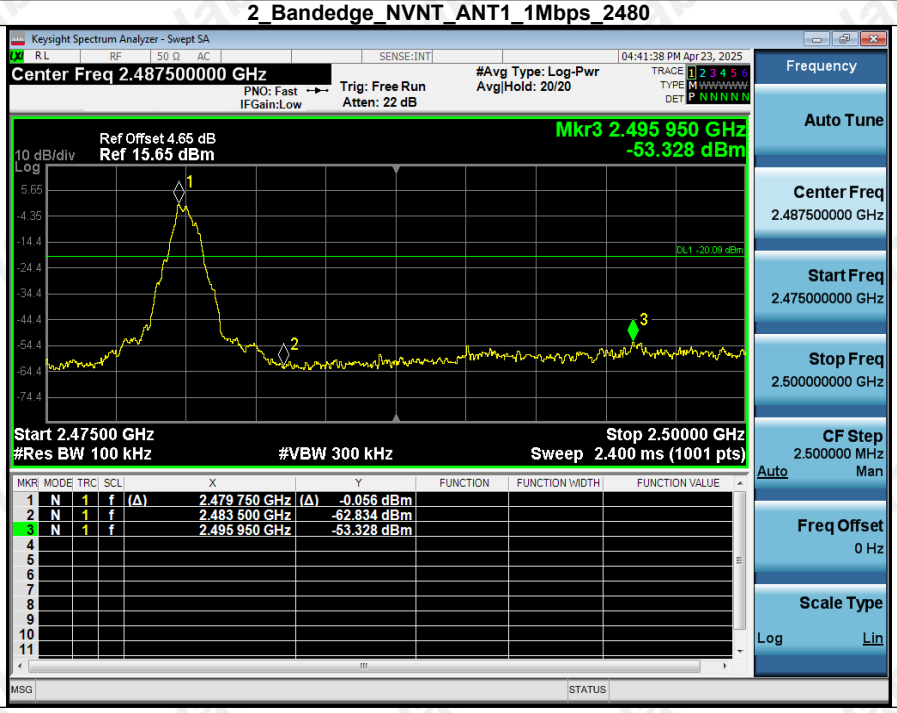
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480



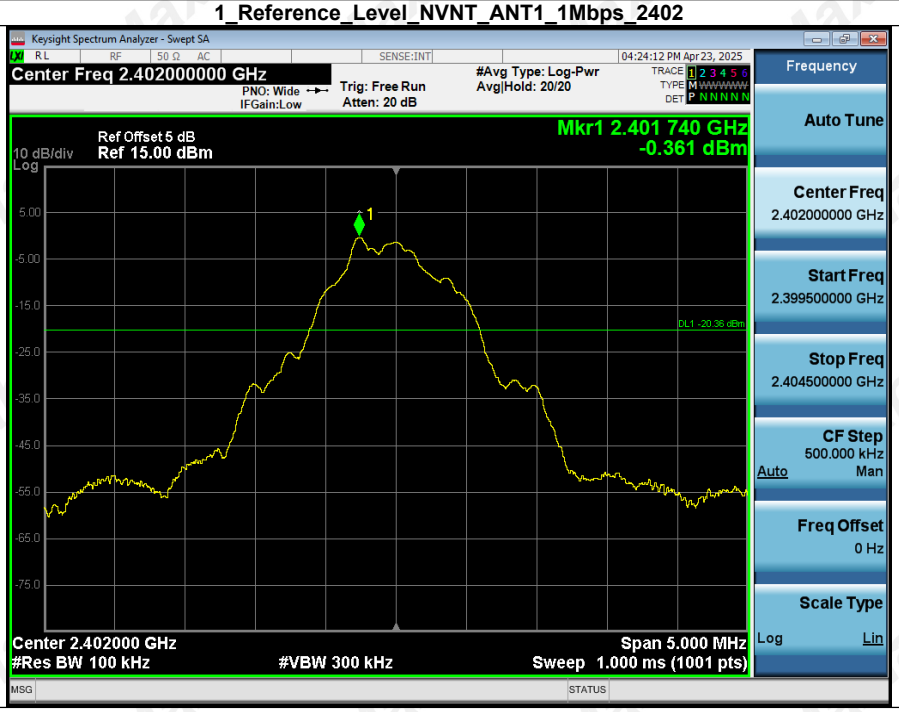
2_Bandedge_NVNT_ANT1_1Mbps_2480



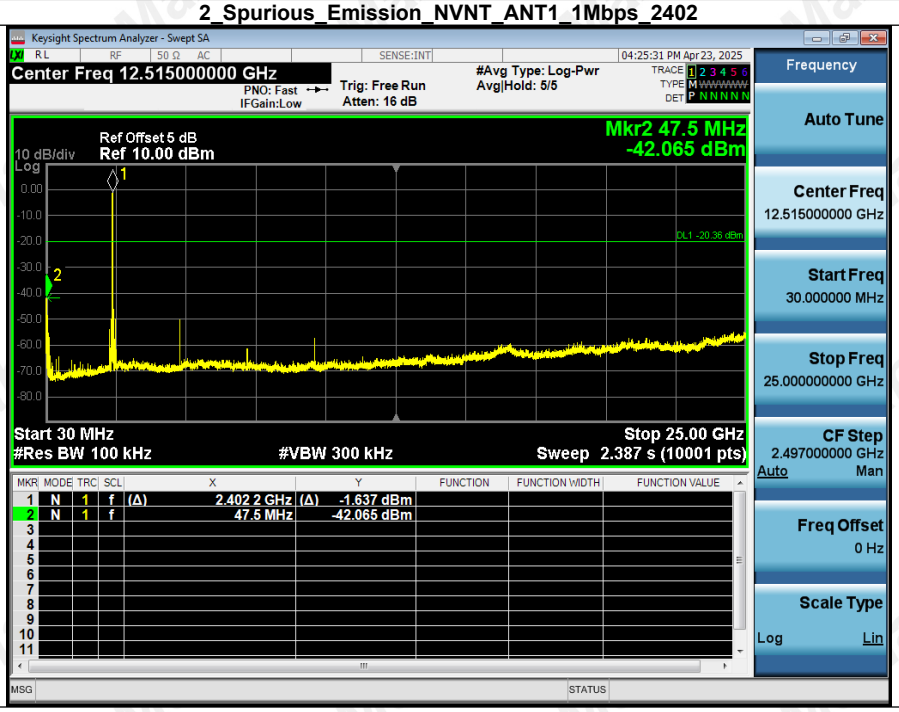
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.361	-42.065	-20.361	Pass
NVNT	ANT1	1Mbps	2440.00	-0.272	-45.975	-20.272	Pass
NVNT	ANT1	1Mbps	2480.00	-0.087	-43.553	-20.087	Pass

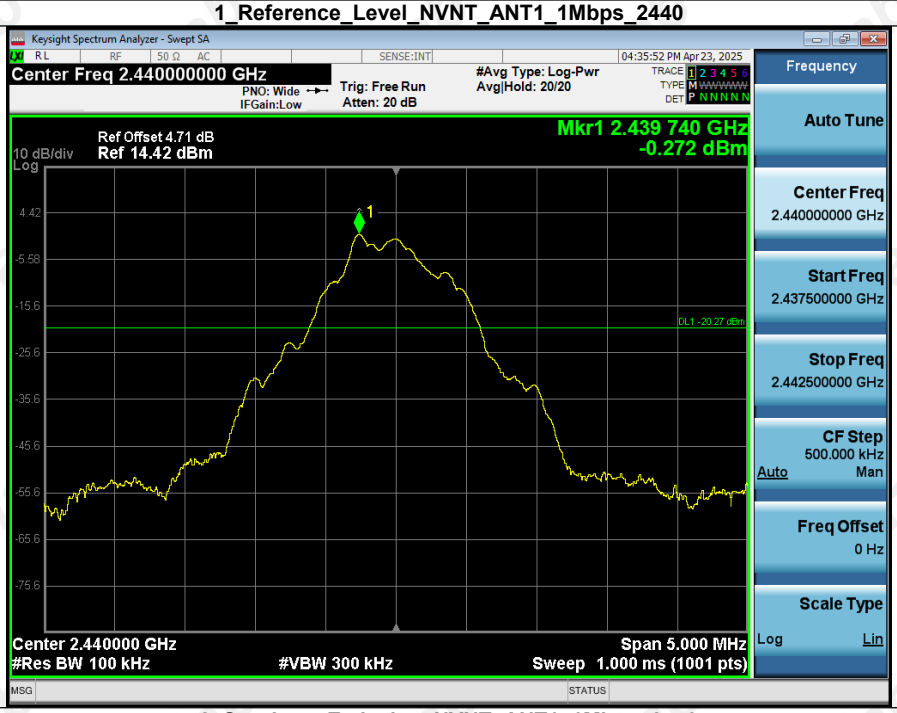
1_Reference_Level_NVNT_ANT1_1Mbps_2402



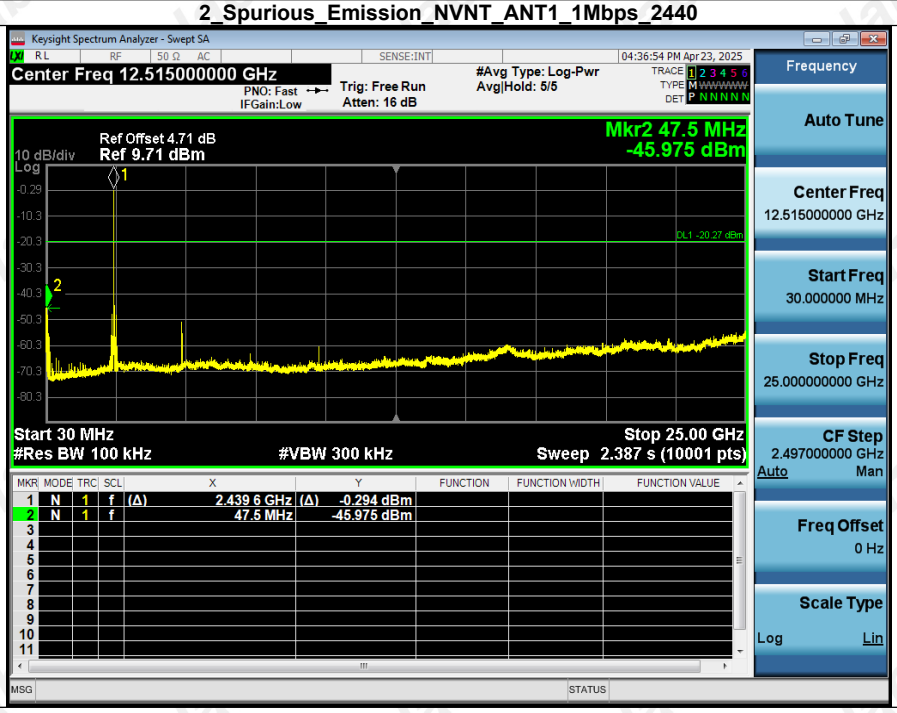
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



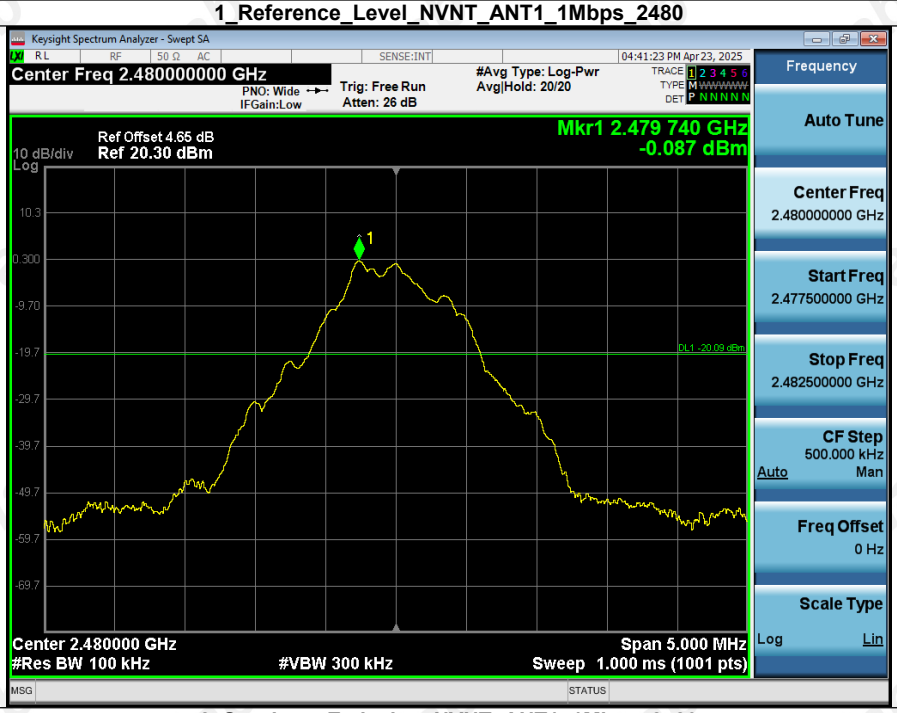
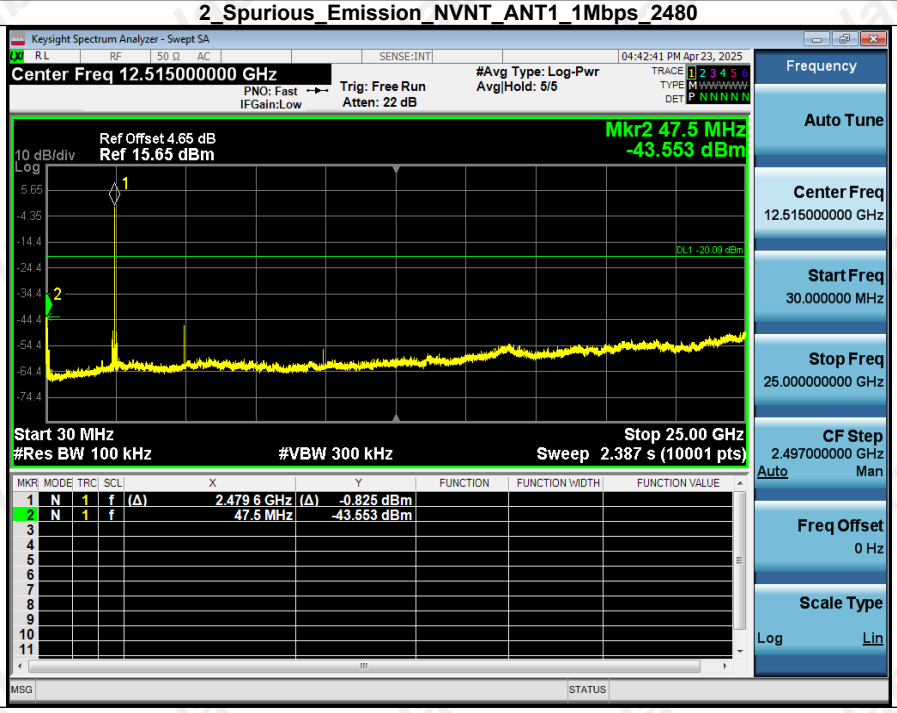
1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480