

Table of Contents

1. -6dB Bandwidth 2

2. 99% Occupied Bandwidth 4

3. Duty Cycle 6

4. Peak Output Power8

5. Power Spectral Density10

6. Bandedge12

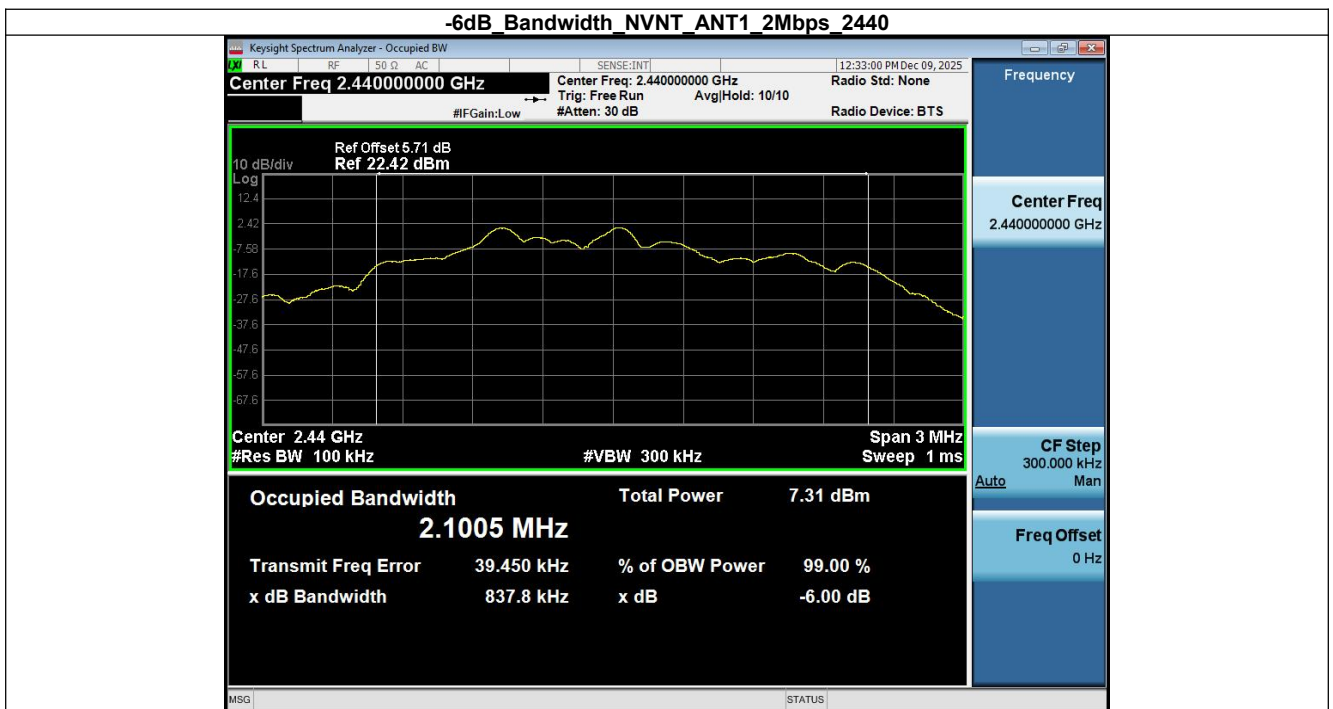
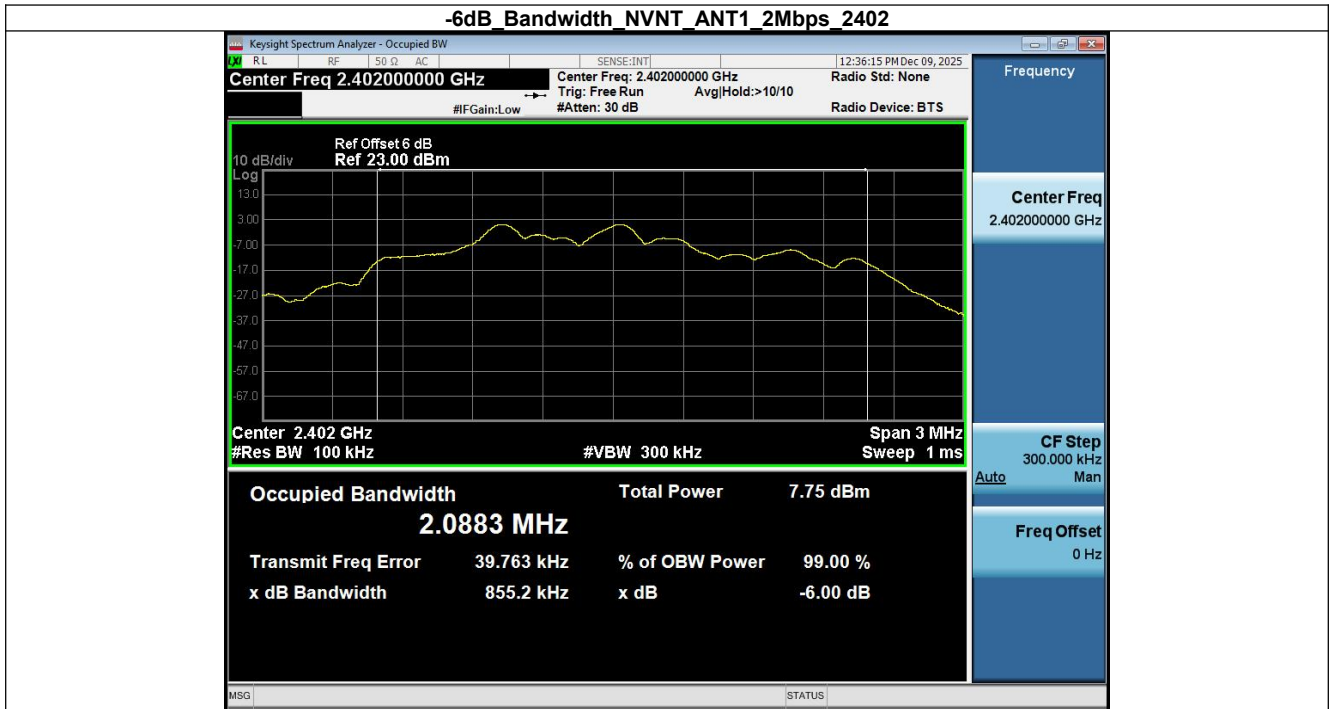
7. Spurious Emission14

FCC ID:2BM54J-16

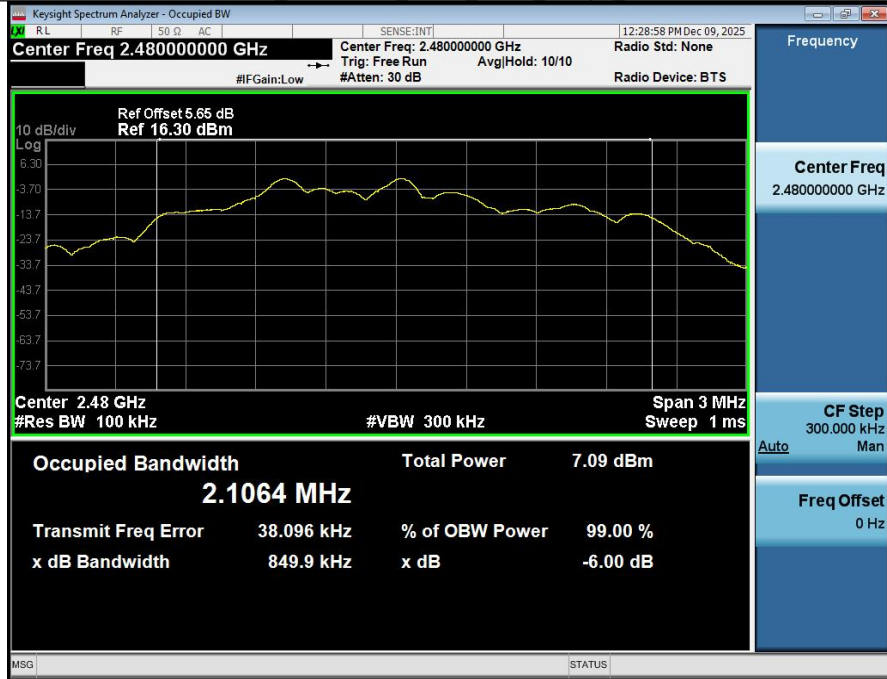
FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	2Mbps	2402.00	855.2	500	Pass
NVNT	ANT1	2Mbps	2440.00	837.8	500	Pass
NVNT	ANT1	2Mbps	2480.00	849.9	500	Pass

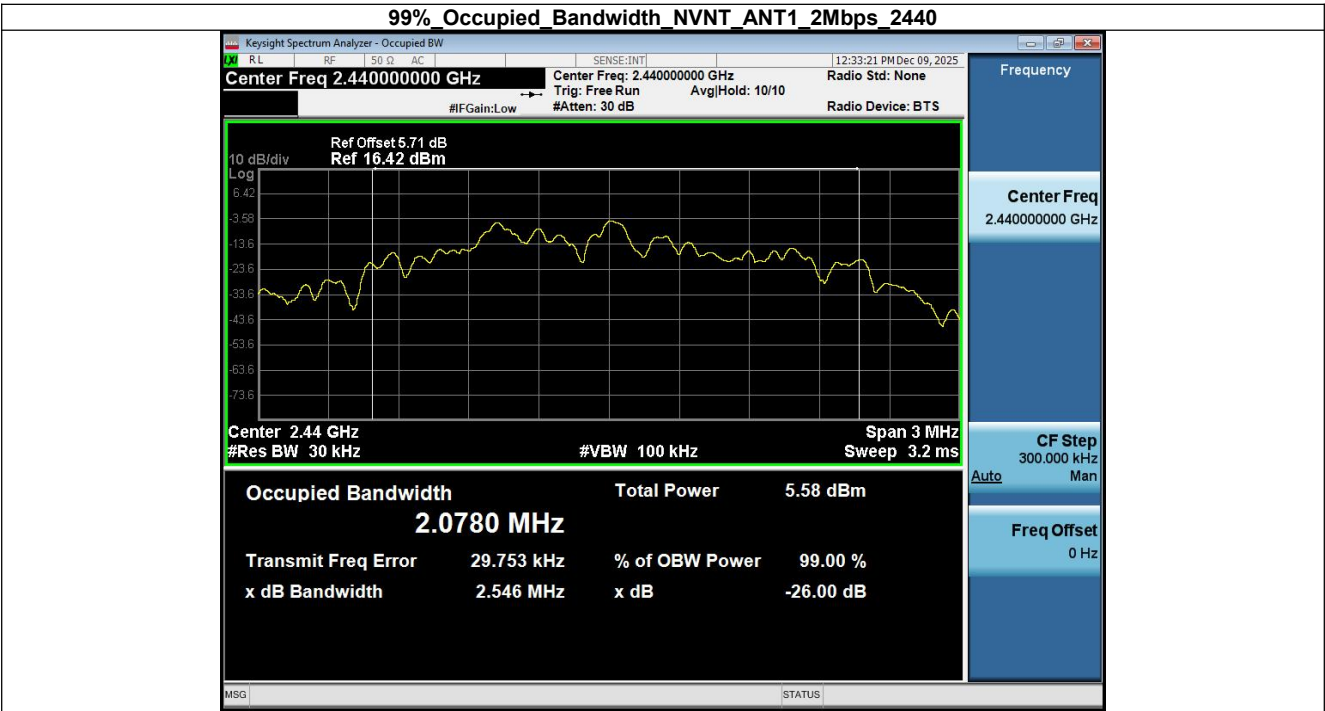
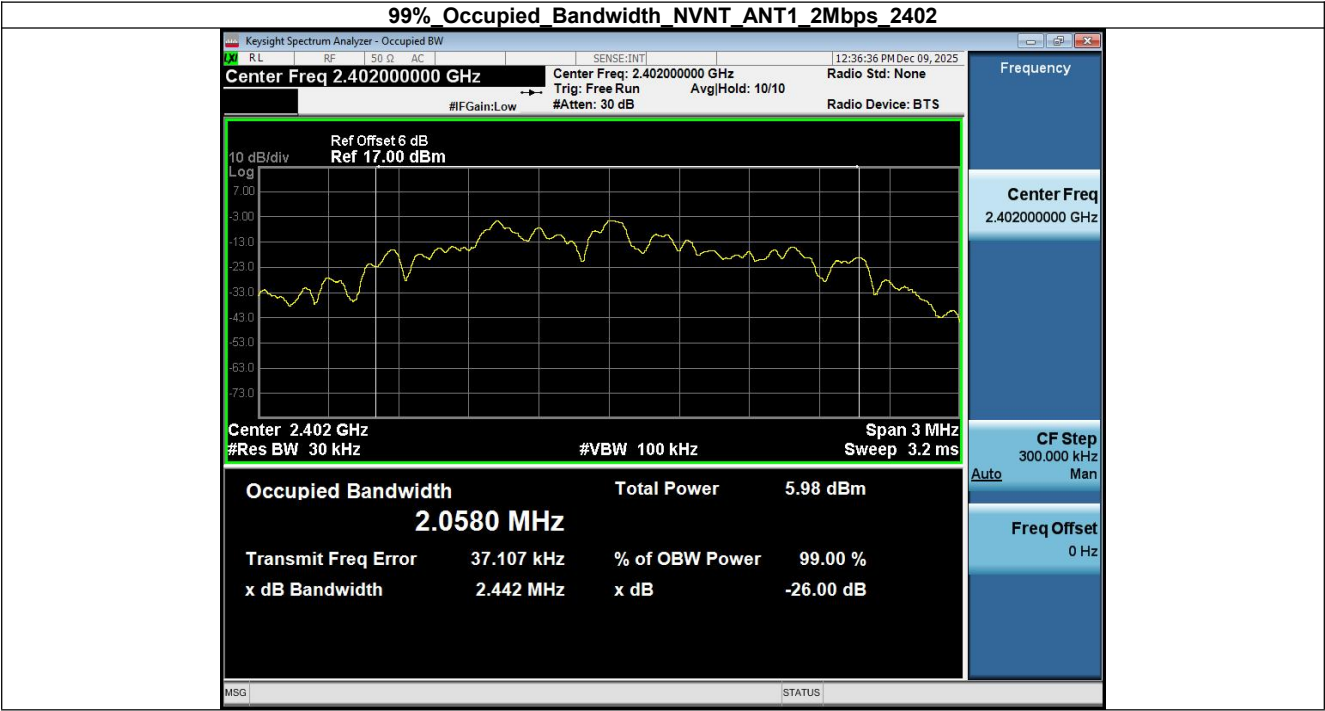


-6dB Bandwidth NVNT ANT1 2Mbps 2480

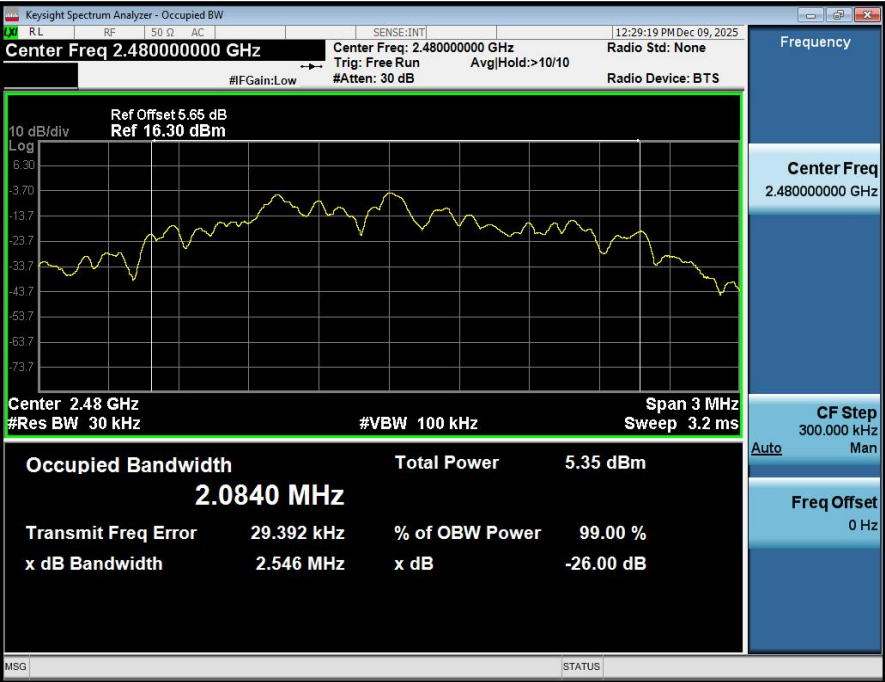


2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	2Mbps	2402.00	2.058
NVNT	ANT1	2Mbps	2440.00	2.078
NVNT	ANT1	2Mbps	2480.00	2.084

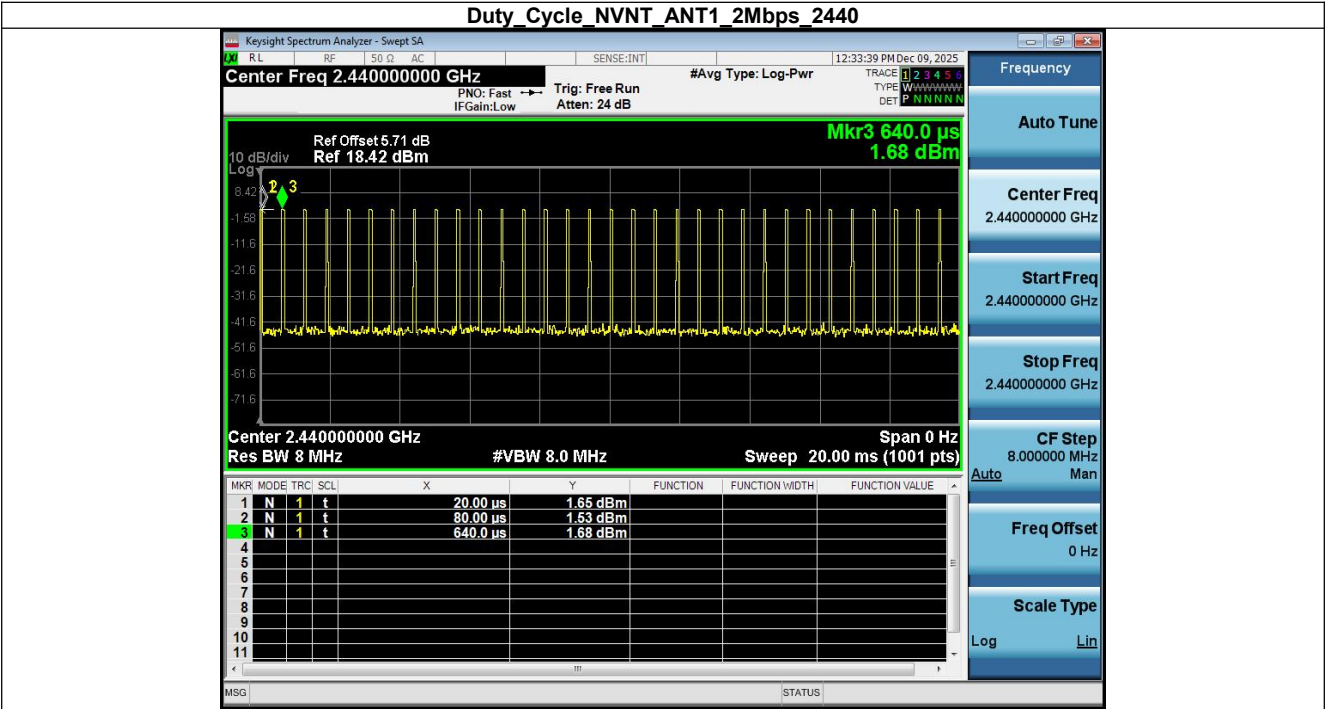
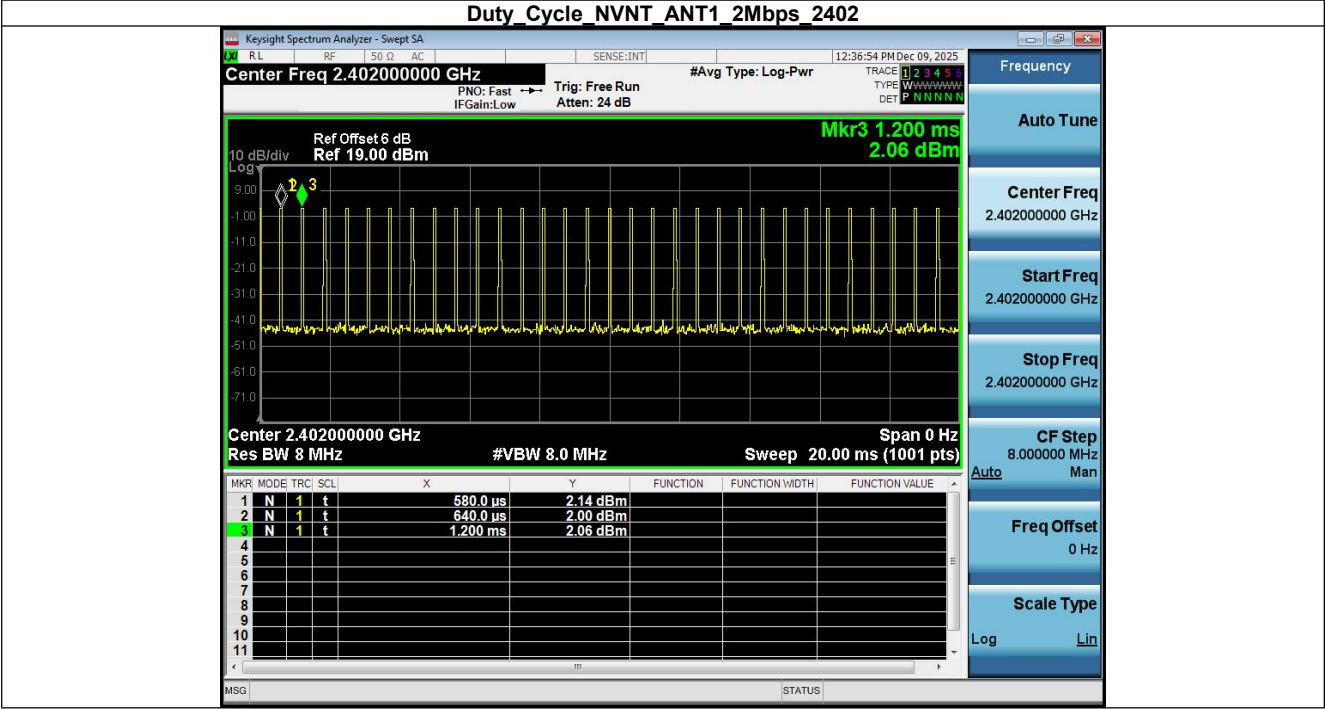


99% Occupied Bandwidth NVNT ANT1 2Mbps 2480

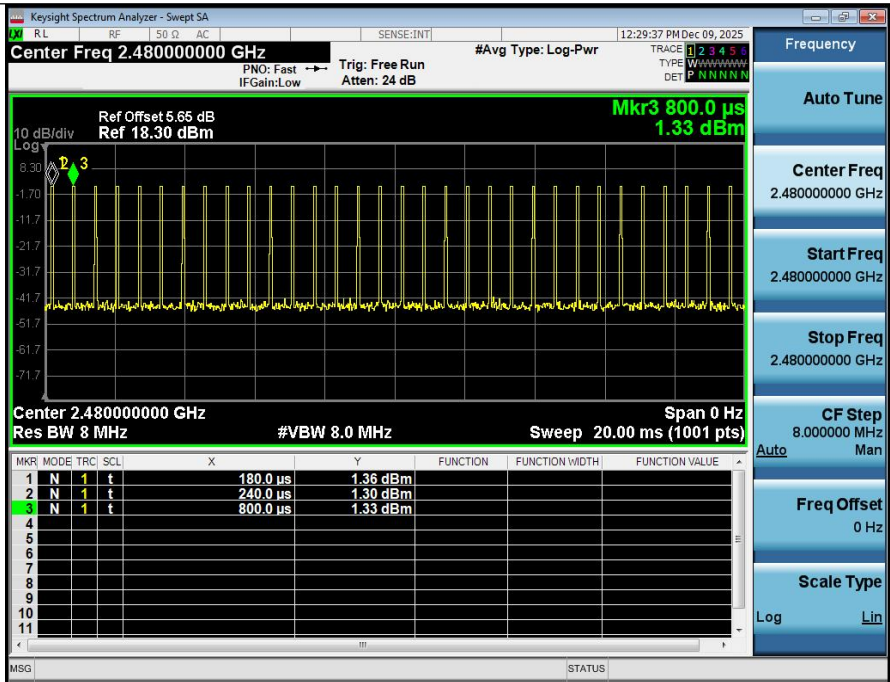


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor(dB)
NVNT	ANT1	2Mbps	2402.00	12.90	8.89
NVNT	ANT1	2Mbps	2440.00	9.68	10.14
NVNT	ANT1	2Mbps	2480.00	9.68	10.14

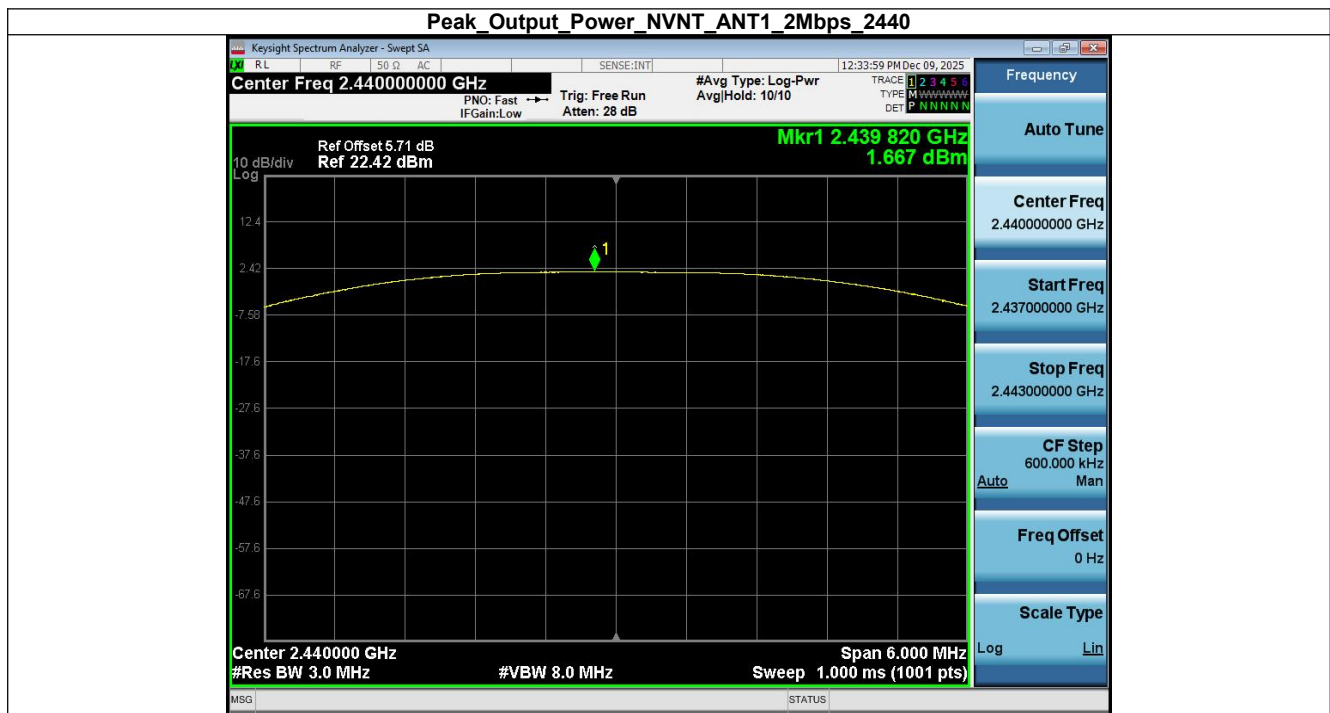


Duty Cycle_NVNT_ANT1_2Mbps_2480

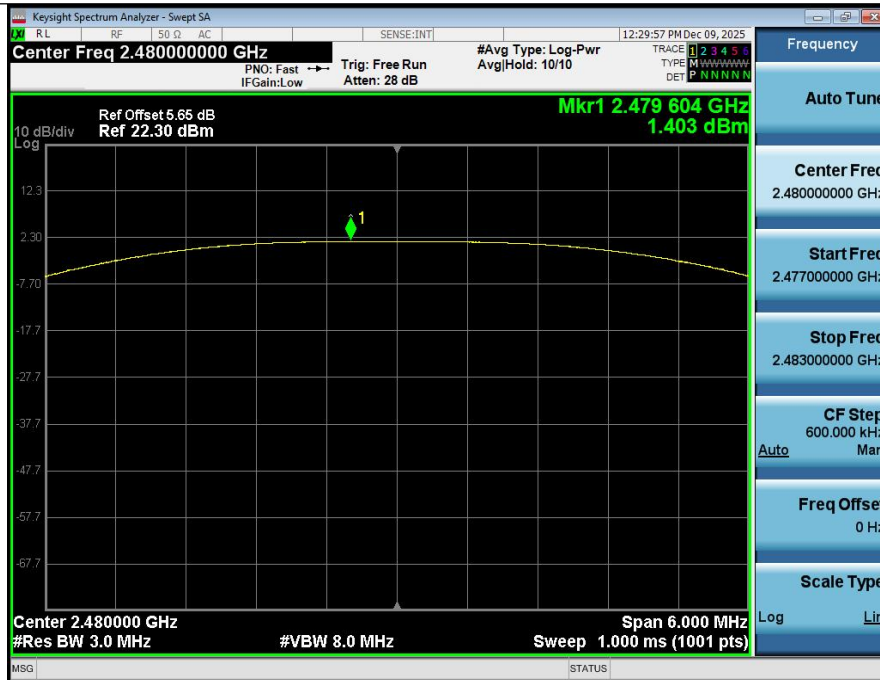


4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	2Mbps	2402.00	2.112	1.63	1000	Pass
NVNT	ANT1	2Mbps	2440.00	1.667	1.47	1000	Pass
NVNT	ANT1	2Mbps	2480.00	1.403	1.38	1000	Pass

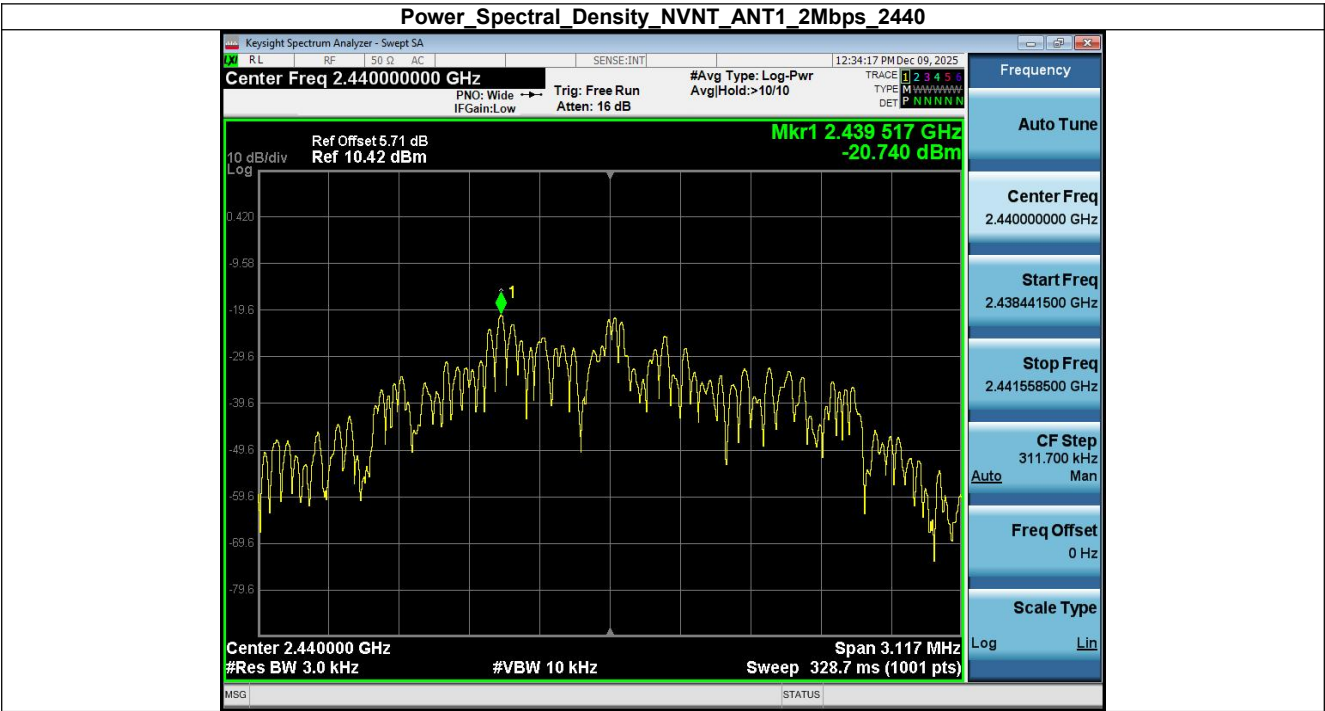


Peak_Output_Power_NVNT_ANT1_2Mbps_2480



5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	2Mbps	2402.00	-20.36	8	Pass
NVNT	ANT1	2Mbps	2440.00	-20.74	8	Pass
NVNT	ANT1	2Mbps	2480.00	-20.98	8	Pass

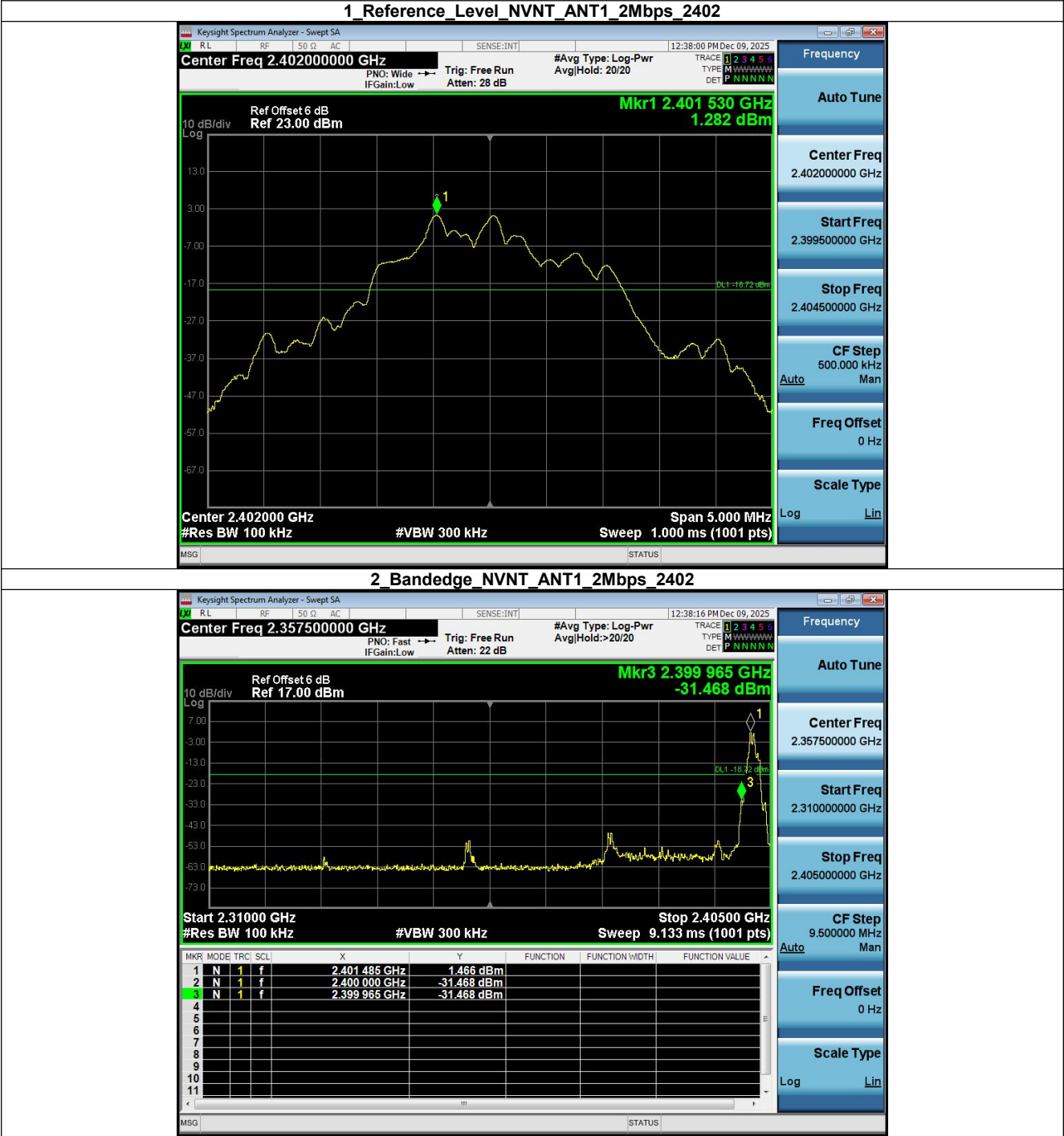


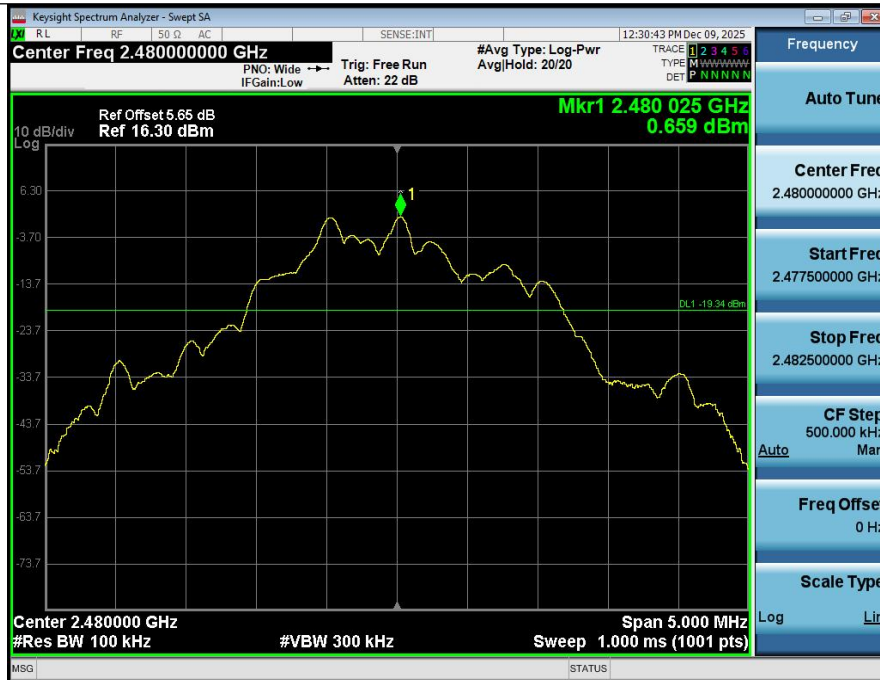
Power_Spectral_Density_NVNT_ANT1_2Mbps_2480



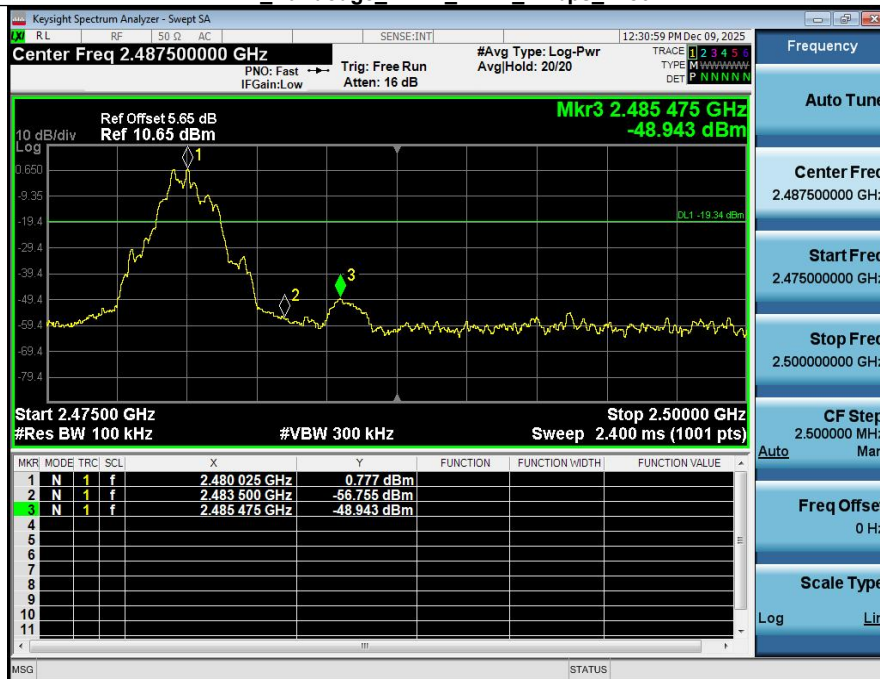
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	2Mbps	2402.00	2399.965	1.282	-31.468	-18.718	Pass
NVNT	ANT1	2Mbps	2480.00	2485.475	0.659	-48.943	-19.341	Pass



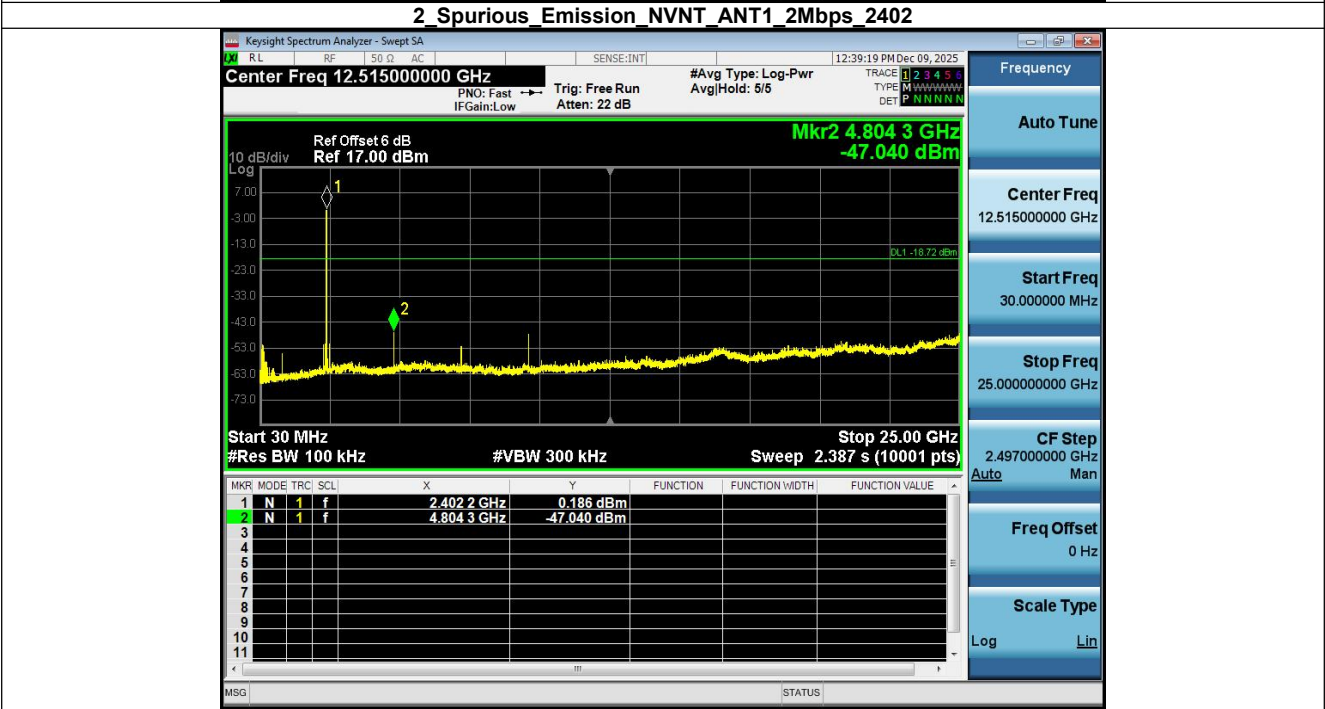


2_Bandedge_NVNT_ANT1_2Mbps_2480



7. Spurious Emission

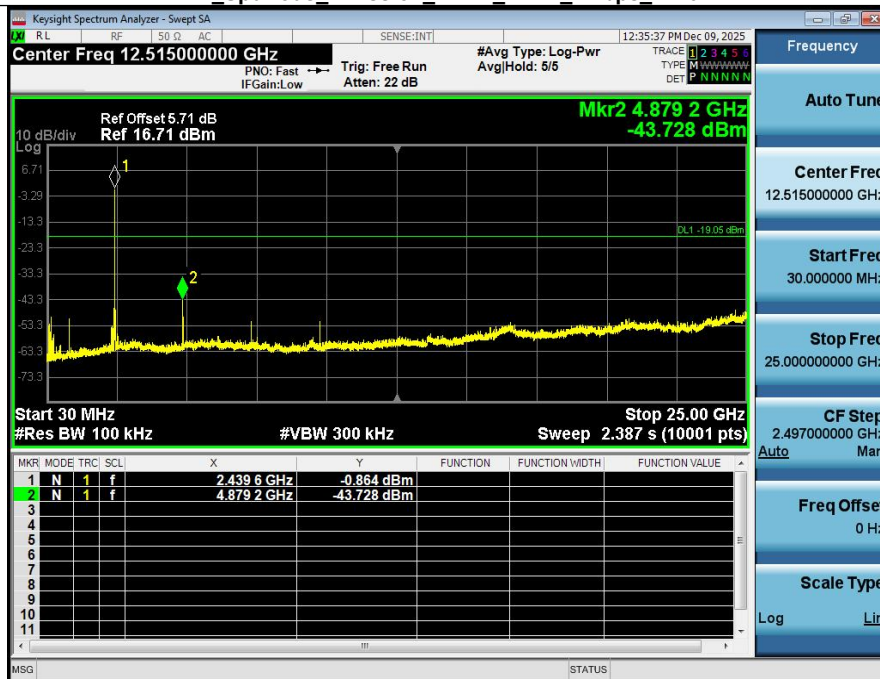
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	2Mbps	2402.00	1.282	-47.040	-18.718	Pass
NVNT	ANT1	2Mbps	2440.00	0.953	-43.728	-19.047	Pass
NVNT	ANT1	2Mbps	2480.00	0.659	-48.488	-19.341	Pass



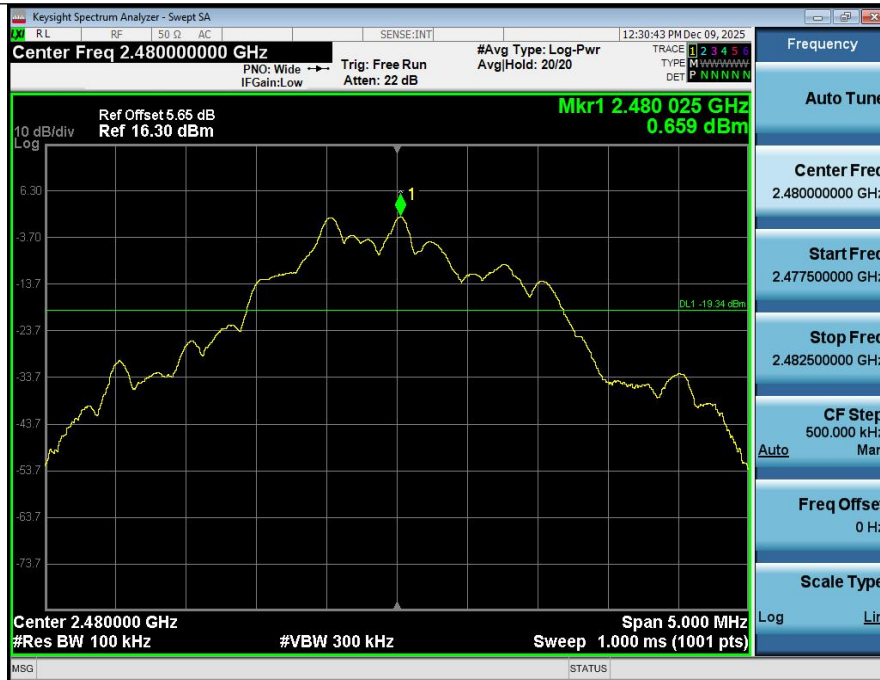
1_Reference_Level_NVNT_ANT1_2Mbps_2440



2_Spurious_Emission_NVNT_ANT1_2Mbps_2440



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Spurious_Emission_NVNT_ANT1_2Mbps_2480

