

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. Bandedge 12

7. Spurious Emission14

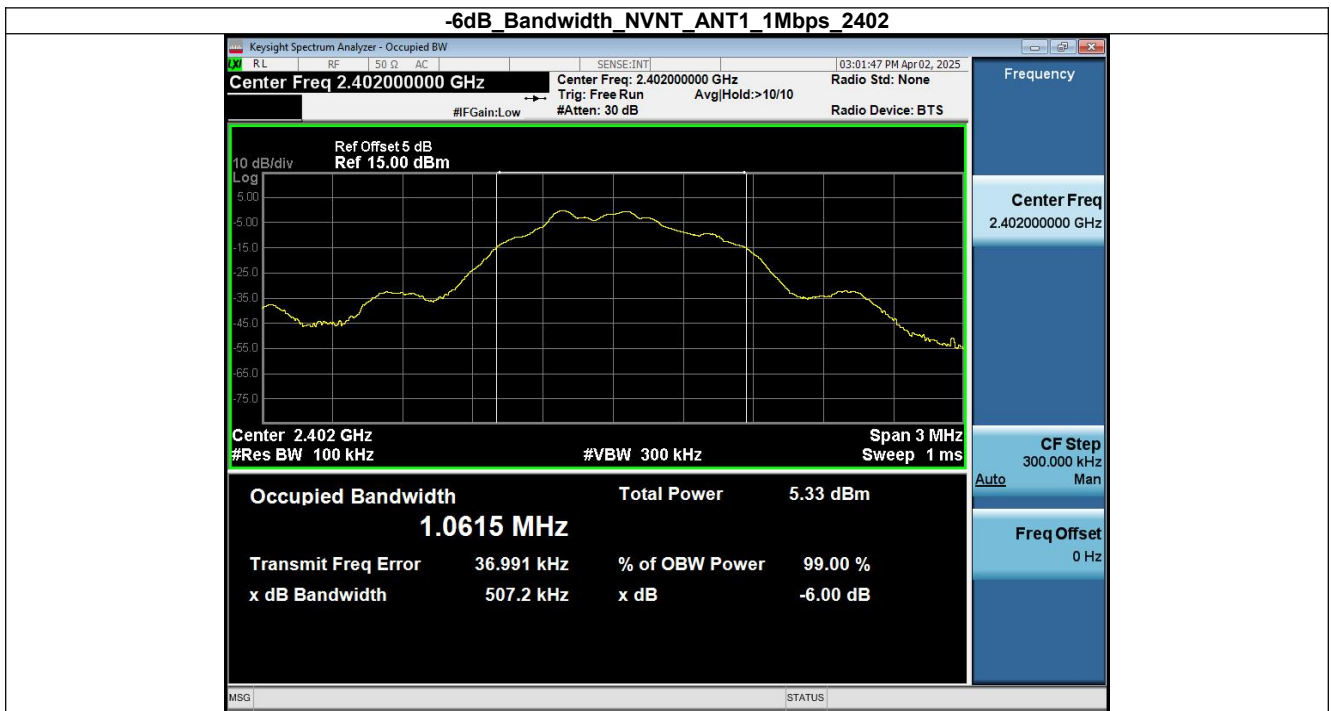
Report No.: NCT250121248XE1-1

FCC ID:2BC96NI-8451

FCC ID&IC ID_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	507.21	500	Pass
NVNT	ANT1	1Mbps	2440.00	508.78	500	Pass
NVNT	ANT1	1Mbps	2480.00	508.26	500	Pass





-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.019
NVNT	ANT1	1Mbps	2440.00	1.023
NVNT	ANT1	1Mbps	2480.00	1.022

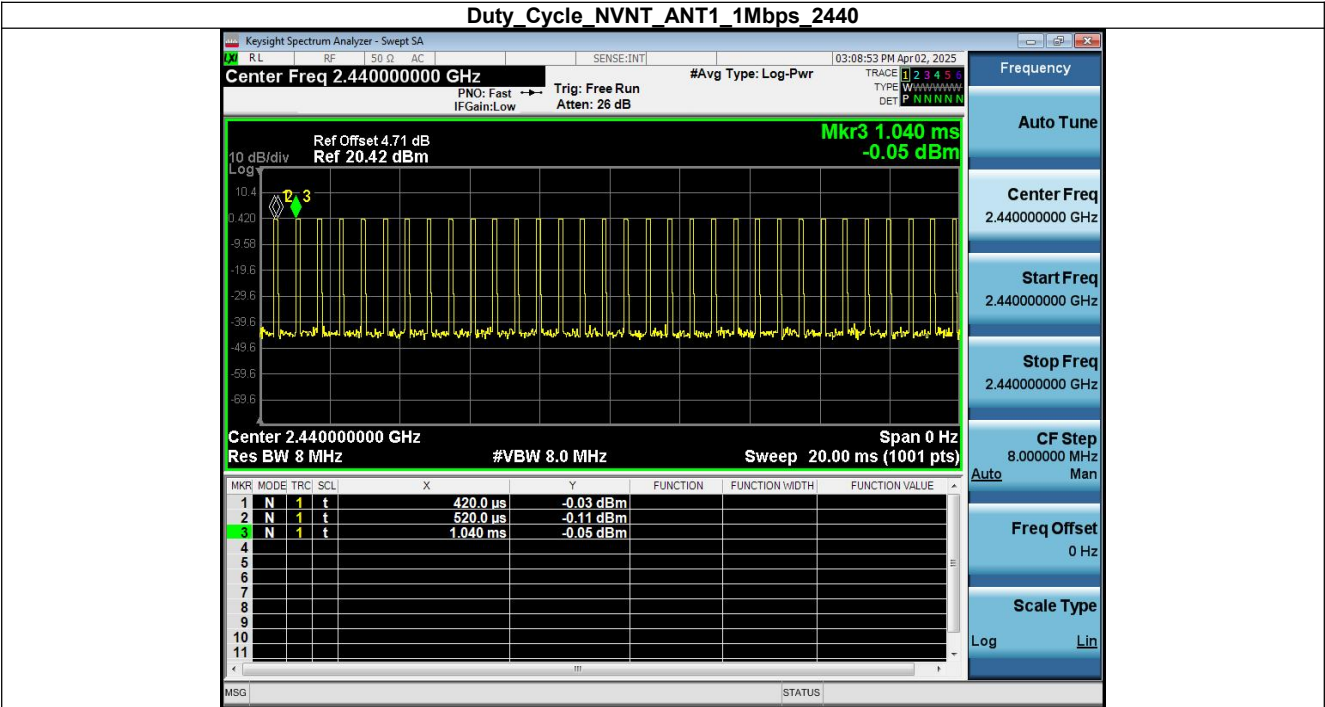
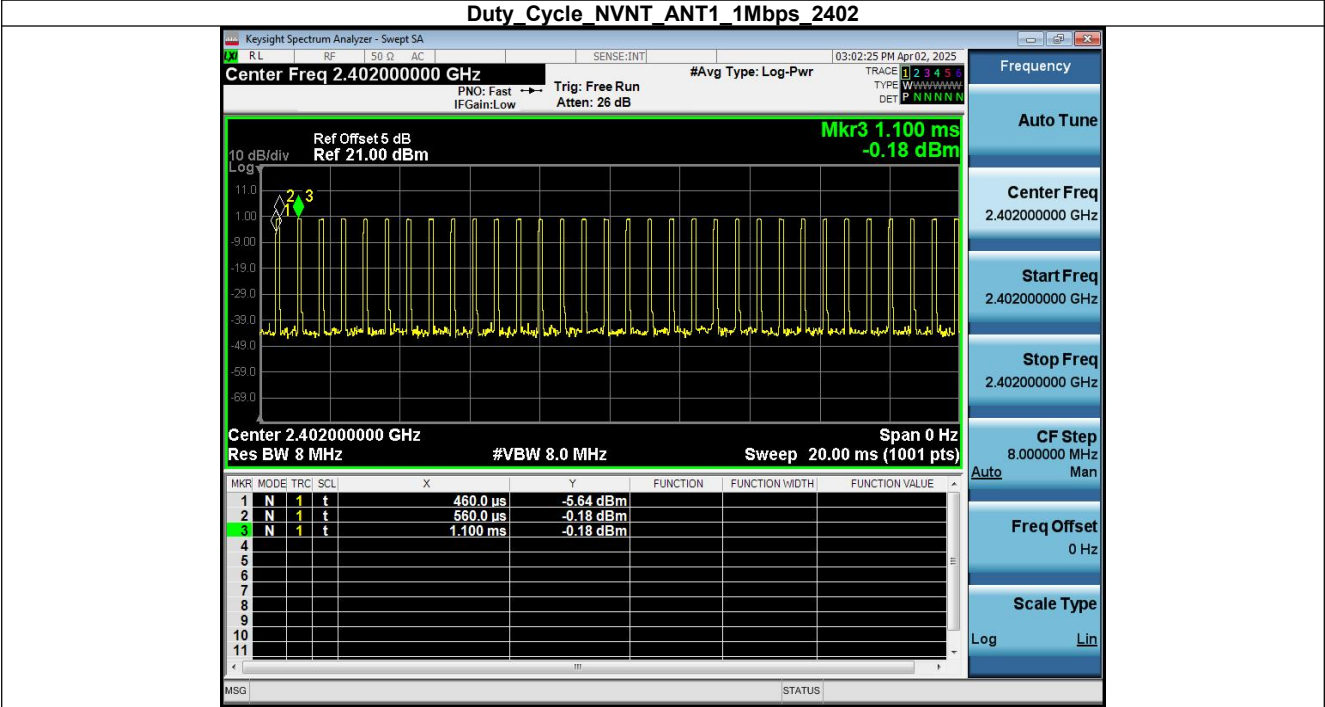


99% Occupied Bandwidth NVNT ANT1 1Mbps 2480

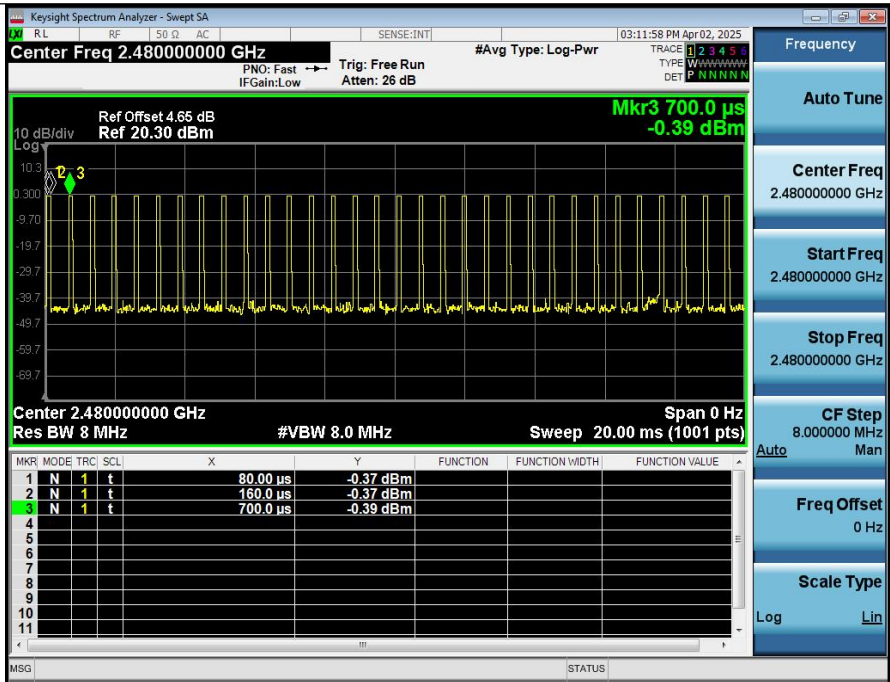


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	15.63	8.06
NVNT	ANT1	1Mbps	2440.00	16.13	7.92
NVNT	ANT1	1Mbps	2480.00	12.90	8.89

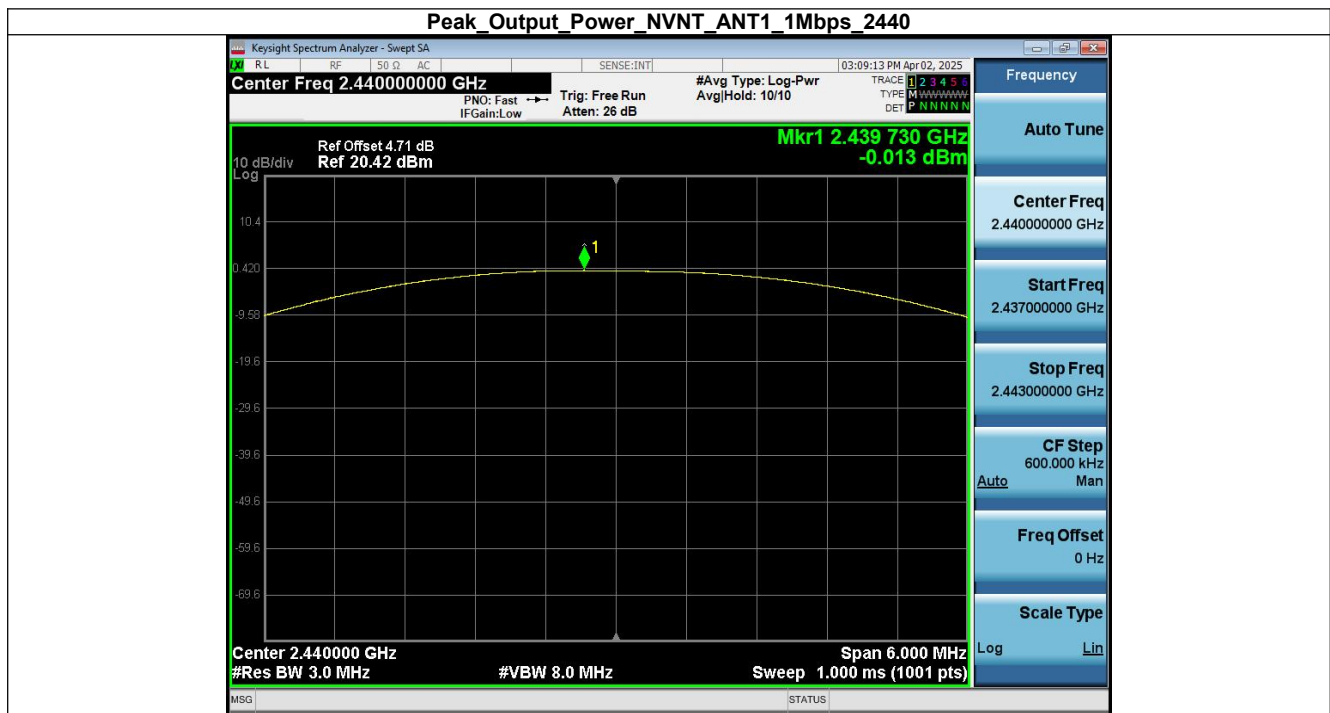
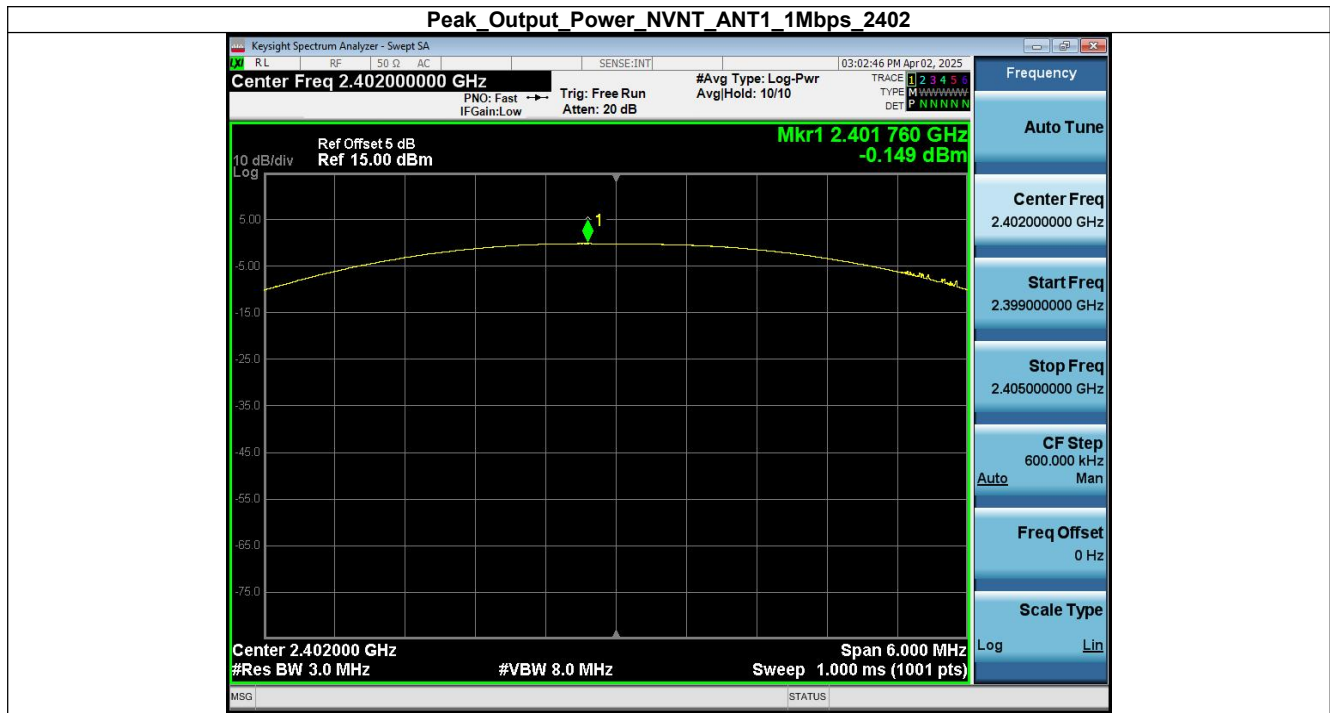


Duty Cycle_NVNT_ANT1_1Mbps_2480



4. Peak Output Power

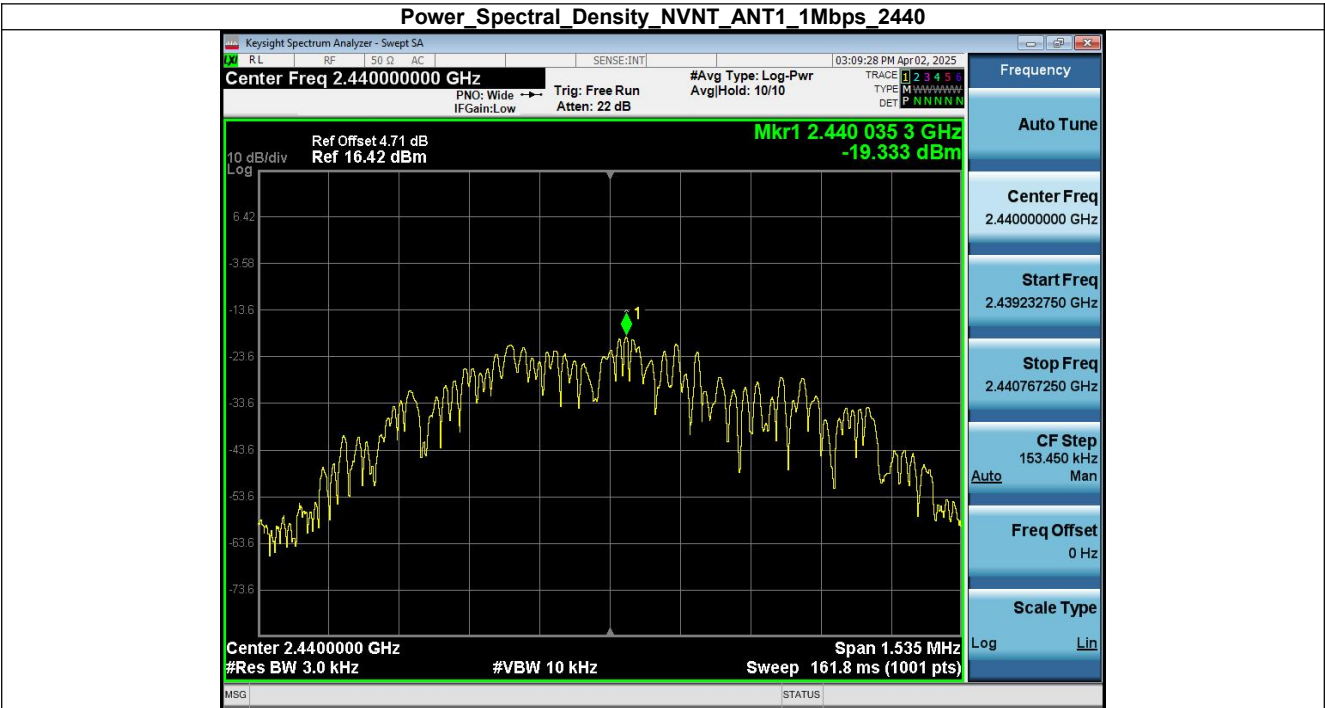
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.15	0.97	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.01	1.00	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.43	0.91	1000	Pass



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	-19.16	8	Pass
NVNT	ANT1	1Mbps	2440.00	-19.33	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.03	8	Pass

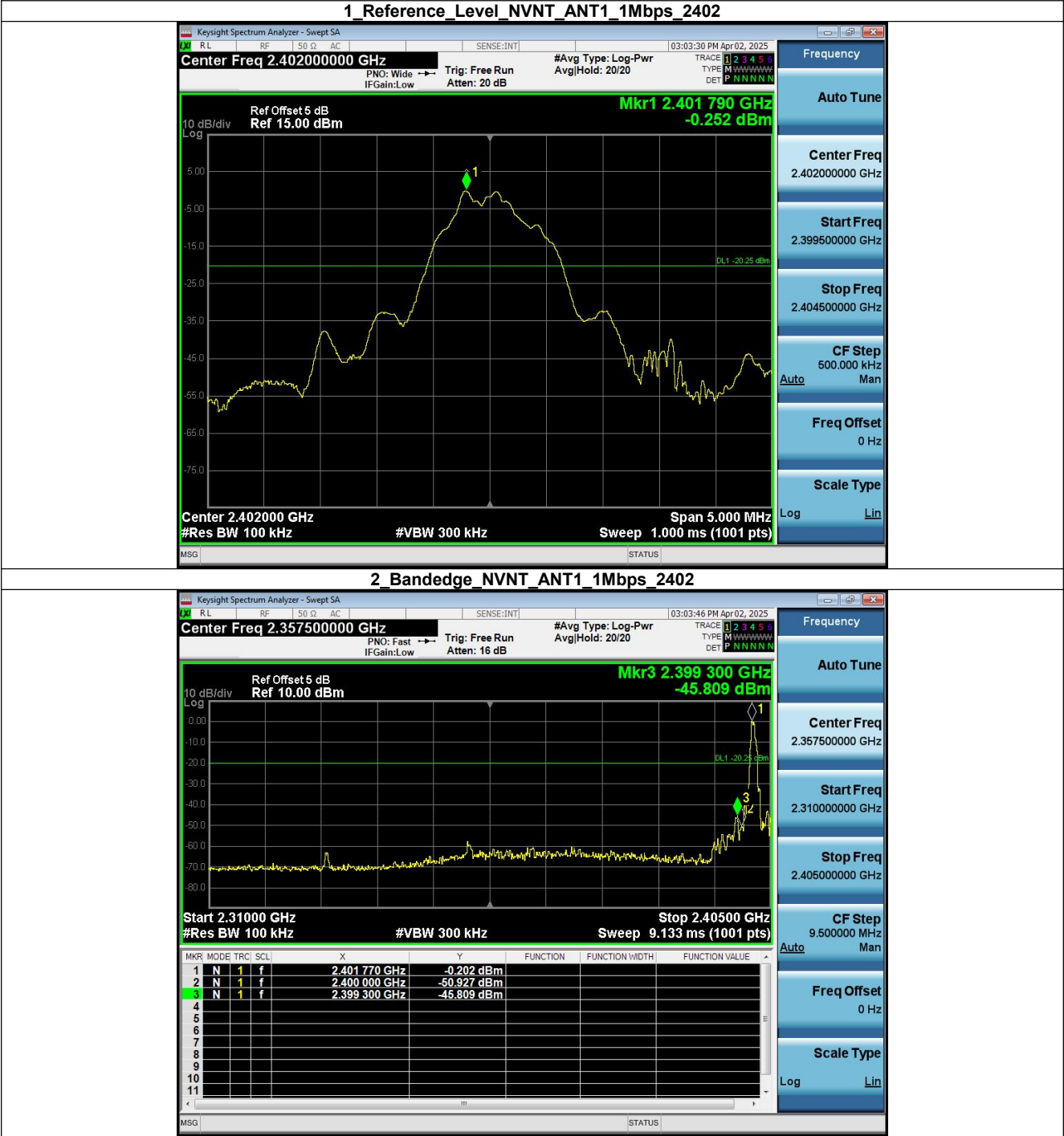


Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



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	2399.300	-0.252	-45.809	-20.252	Pass
NVNT	ANT1	1Mbps	2480.00	2483.625	-0.688	-51.417	-20.688	Pass



1_Reference_Level_NVNT_ANT1_1Mbps_2480

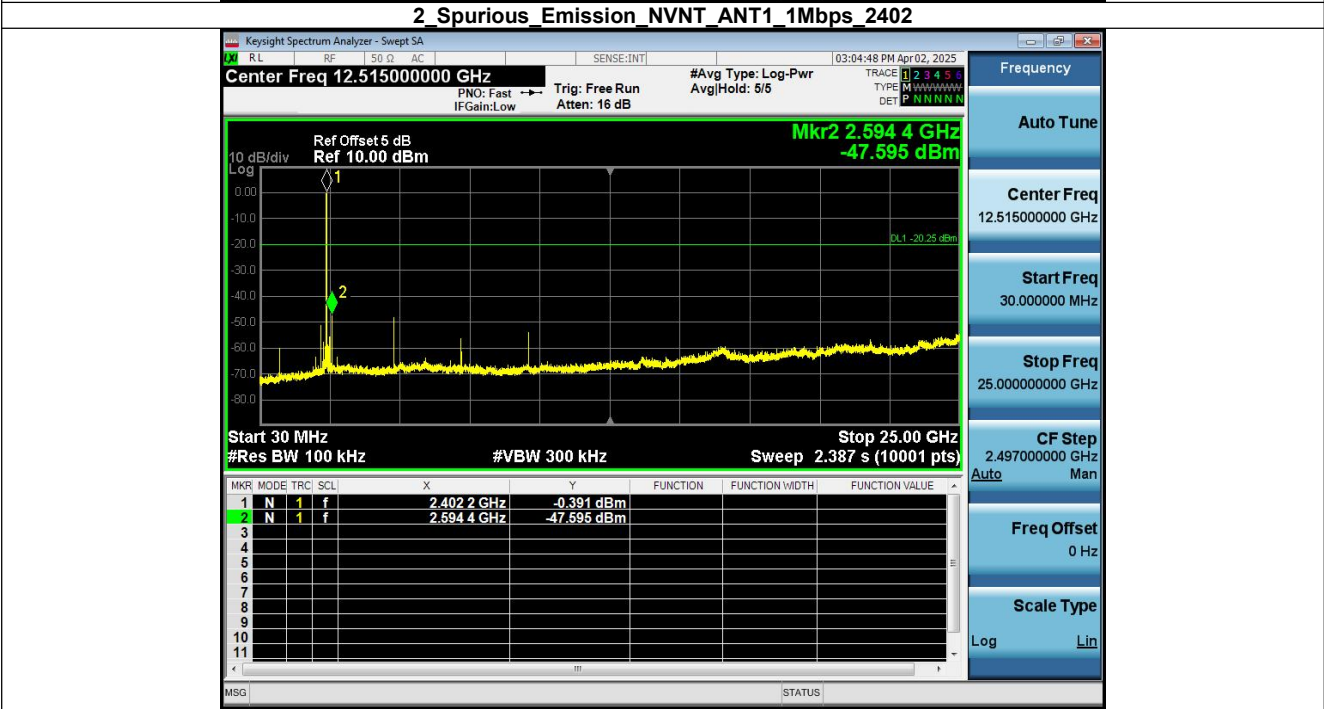


2_Bandedge_NVNT_ANT1_1Mbps_2480

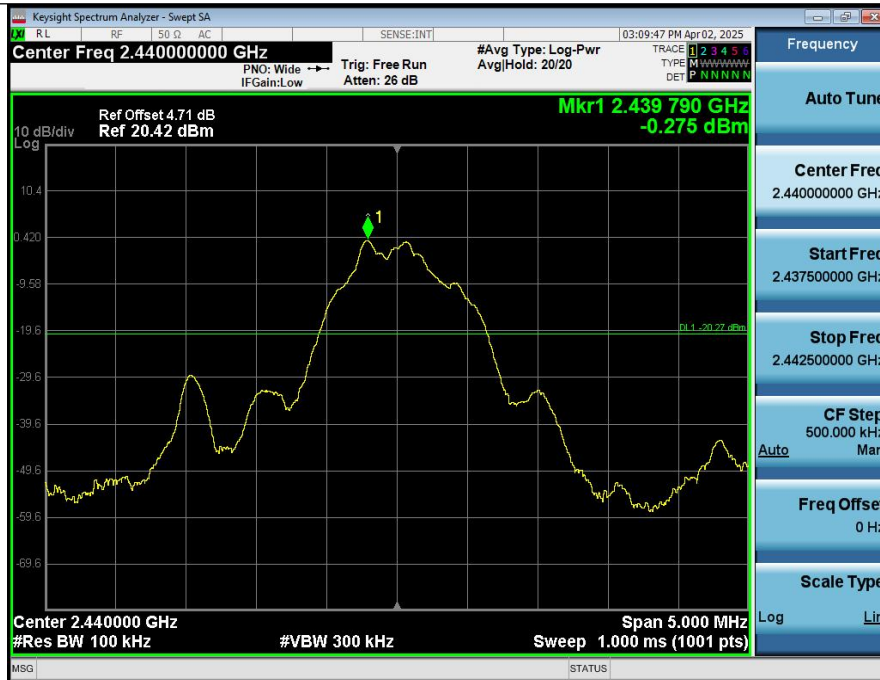


7. Spurious Emission

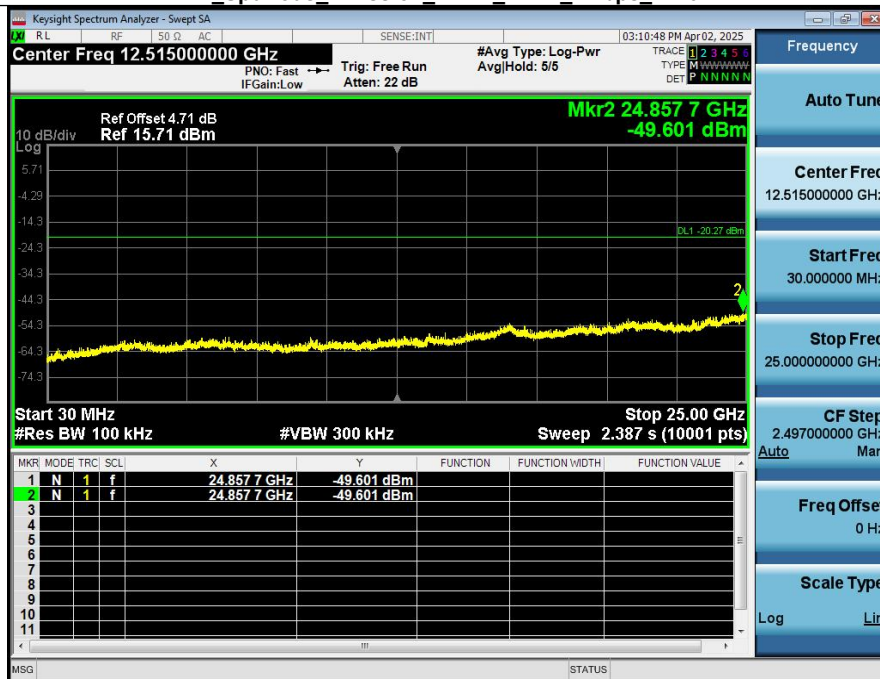
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.252	-47.595	-20.252	Pass
NVNT	ANT1	1Mbps	2440.00	-0.275	-49.601	-20.275	Pass
NVNT	ANT1	1Mbps	2480.00	-0.688	-44.917	-20.688	Pass



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

