

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 9

6. Bandedge 11

7. Spurious Emission 13

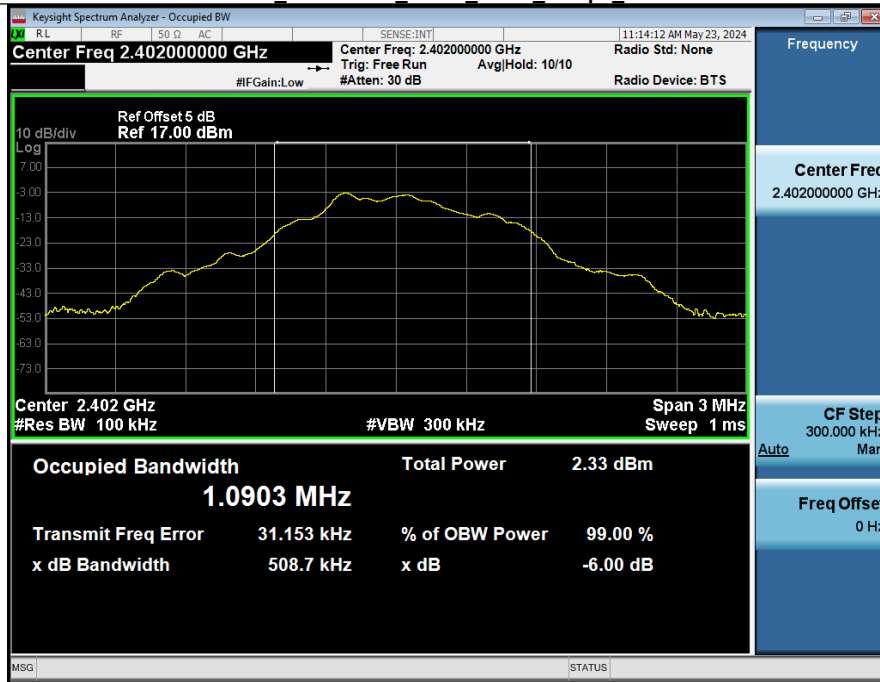
FCC ID:2BLYE-GATEWALLETX

FCC_BLE (Part15.247) Test Data

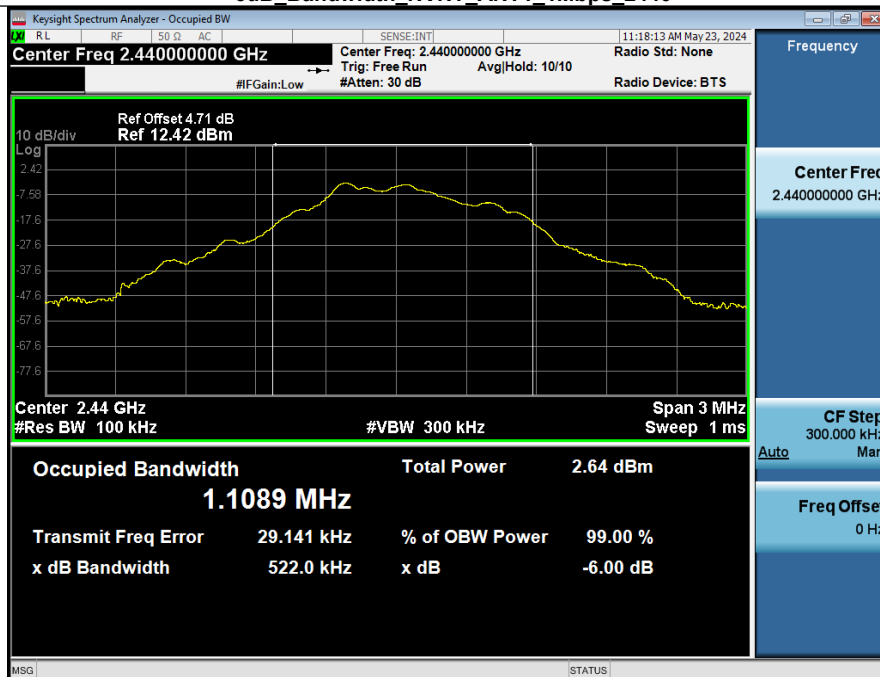
1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	508.71	500	Pass
NVNT	ANT1	1Mbps	2440.00	521.96	500	Pass
NVNT	ANT1	1Mbps	2480	529.21	500	Pass

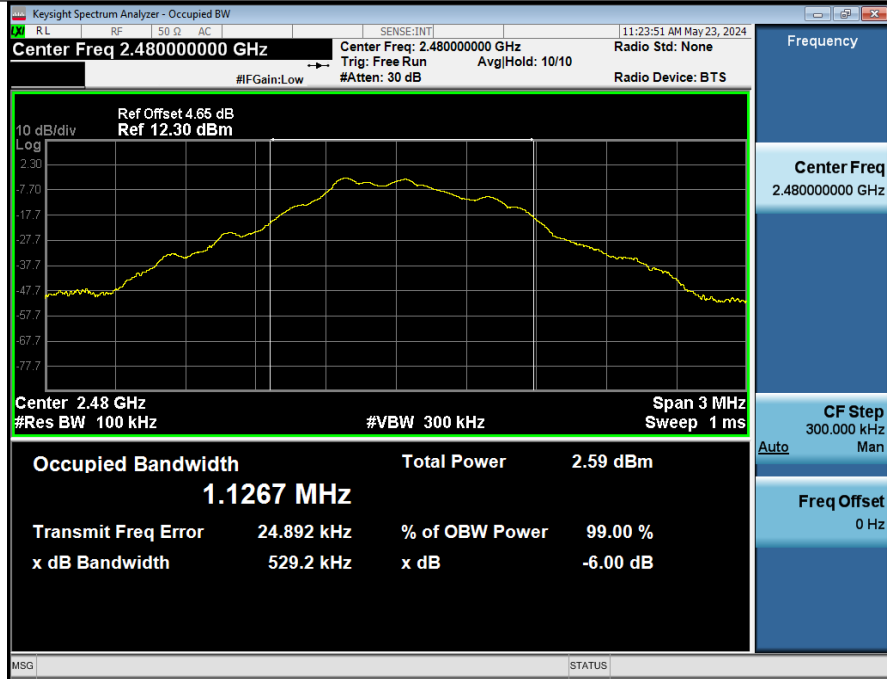
-6dB Bandwidth NVNT ANT1 1Mbps 2402



-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	1.058
NVNT	ANT1	1Mbps	2440.00	1.086
NVNT	ANT1	1Mbps	2480	1.113

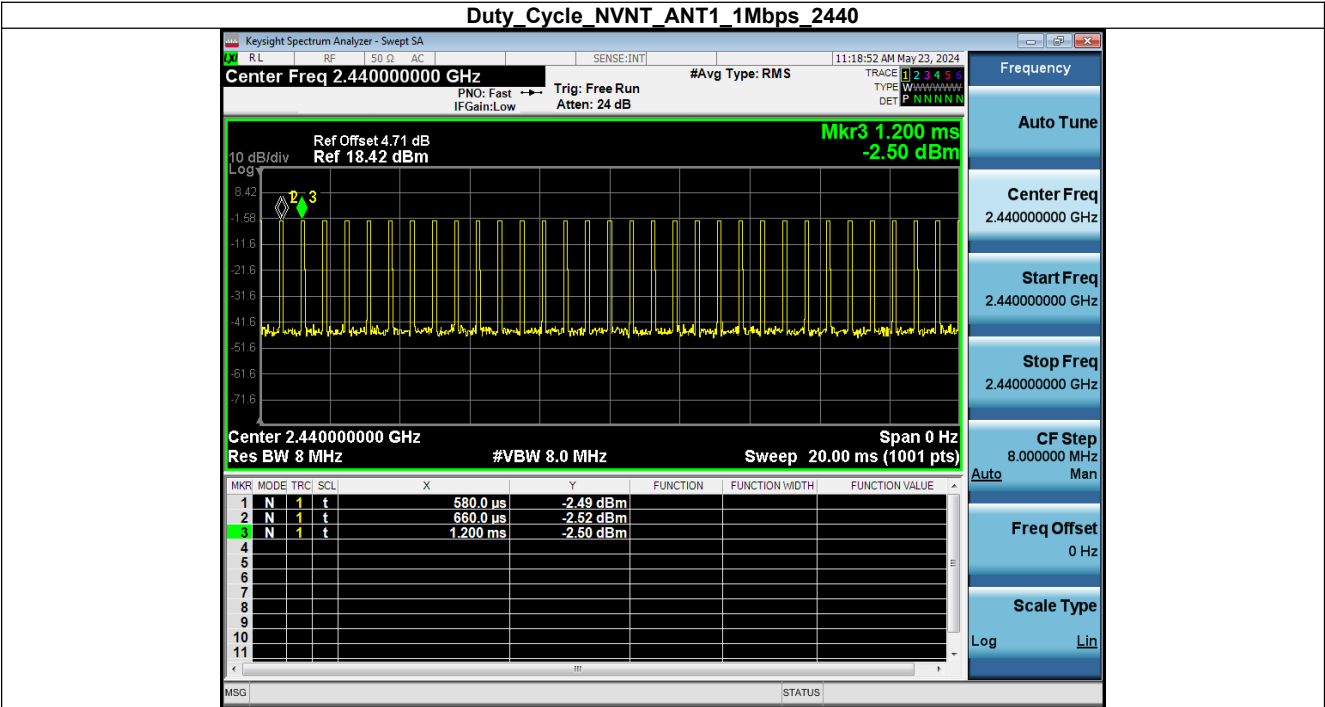
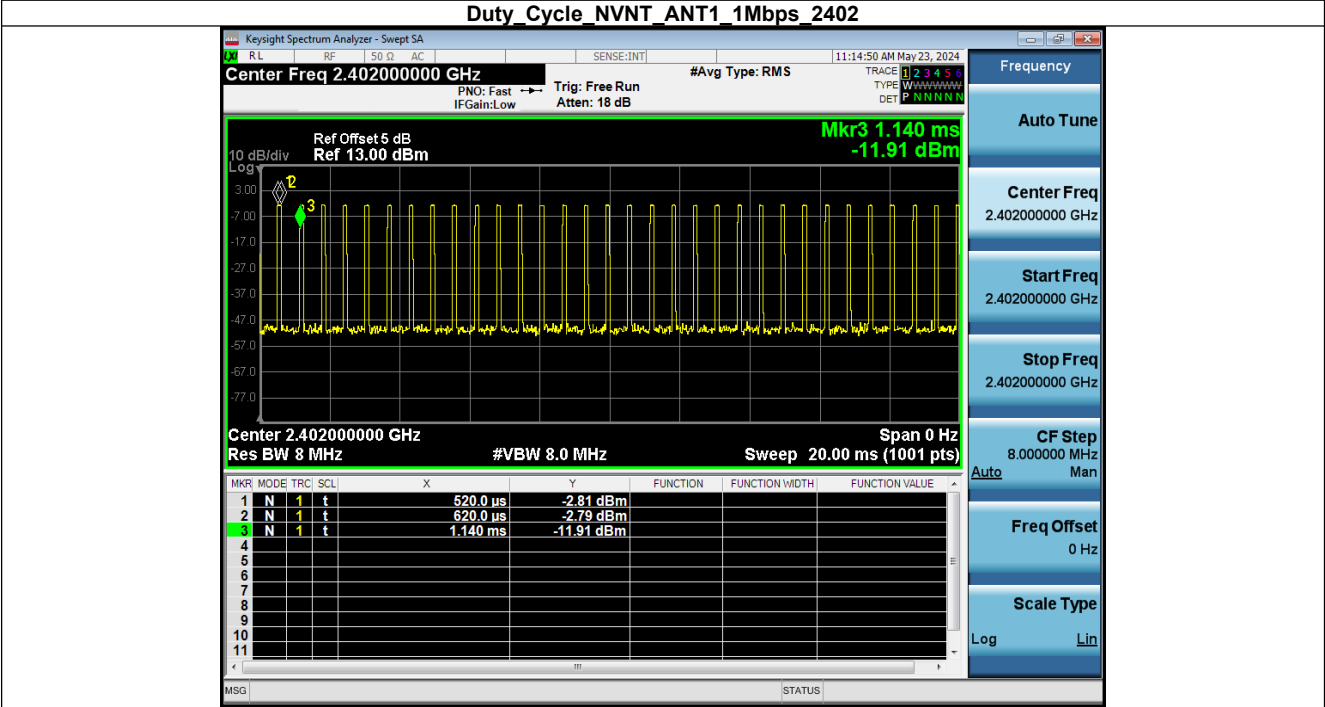


99% Occupied Bandwidth NVNT_ANT1_1Mbps_2480

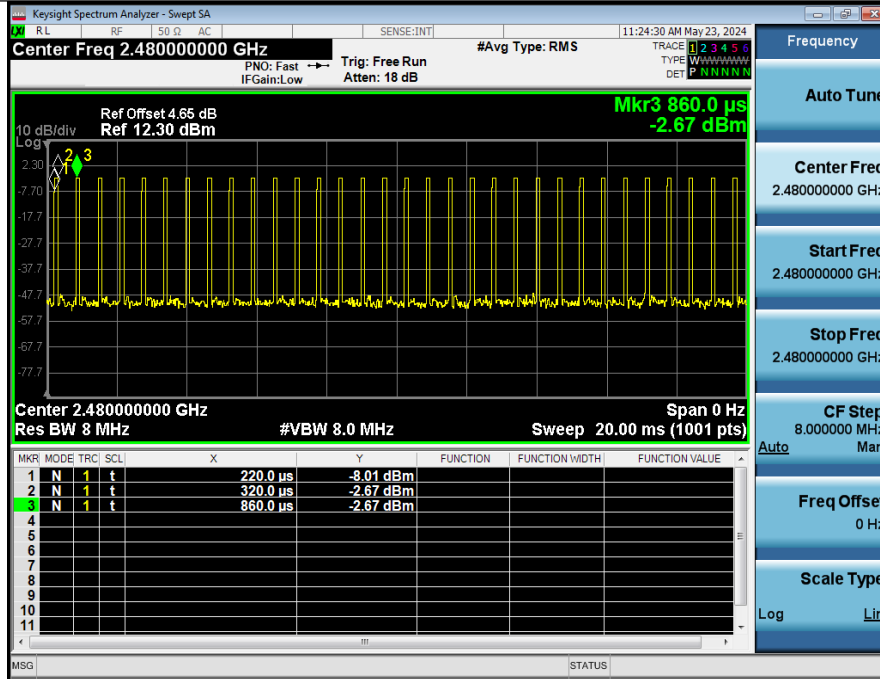


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402	19.35	7.13
NVNT	ANT1	1Mbps	2440.00	16.13	7.92
NVNT	ANT1	1Mbps	2480	15.62	8.06



Duty Cycle_NVNT_ANT1_1Mbps_2480

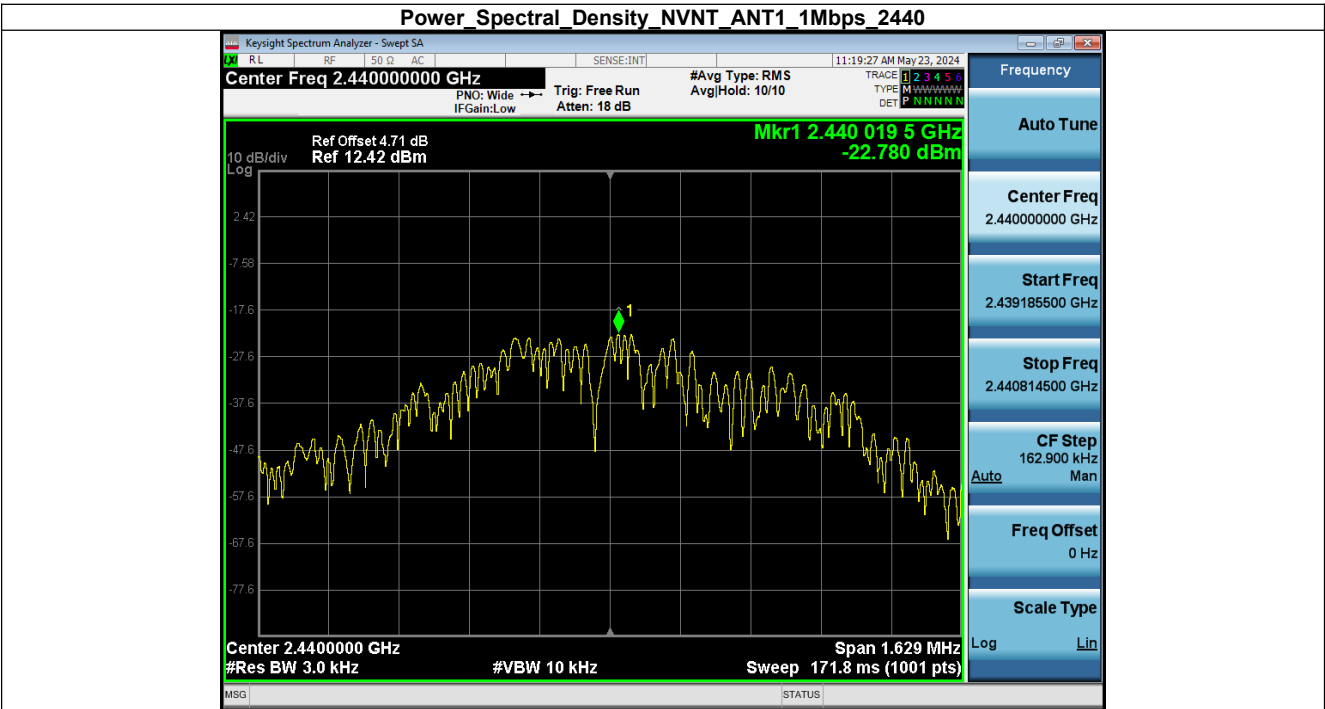
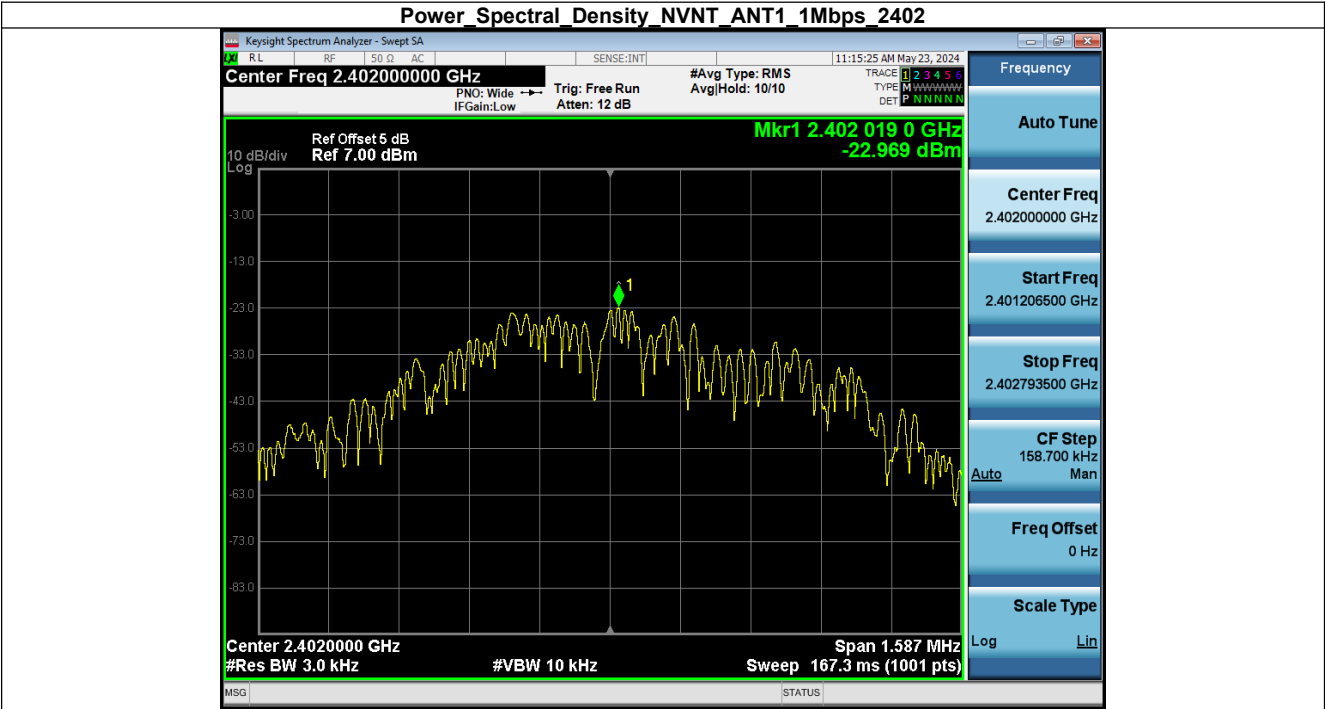


4. Peak Output Power

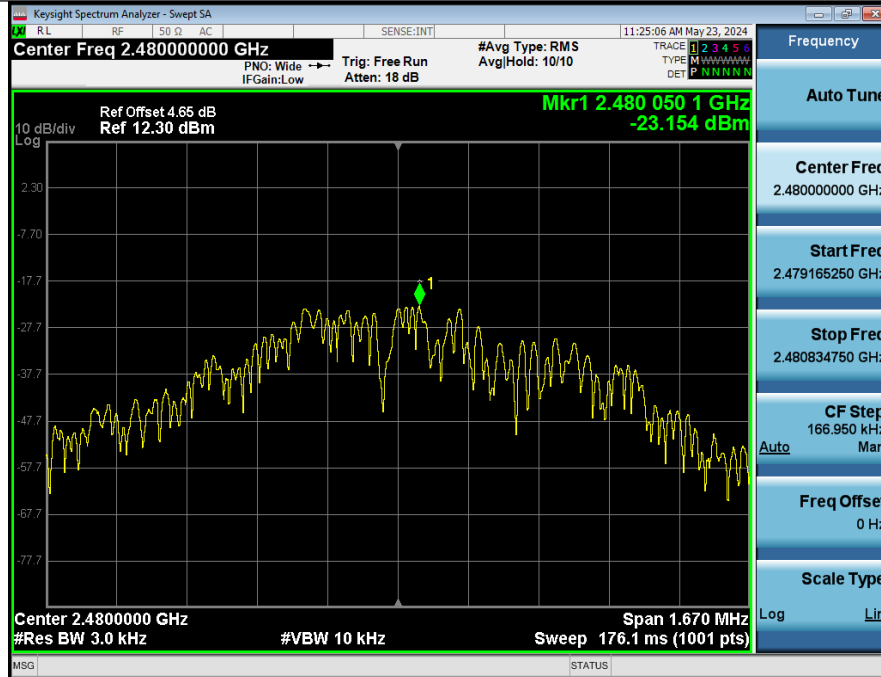
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	-2.75	0.53	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-2.49	0.56	1000	Pass
NVNT	ANT1	1Mbps	2480	-2.64	0.54	1000	Pass

5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-22.97	8	Pass
NVNT	ANT1	1Mbps	2440.00	-22.78	8	Pass
NVNT	ANT1	1Mbps	2480	-23.15	8	Pass

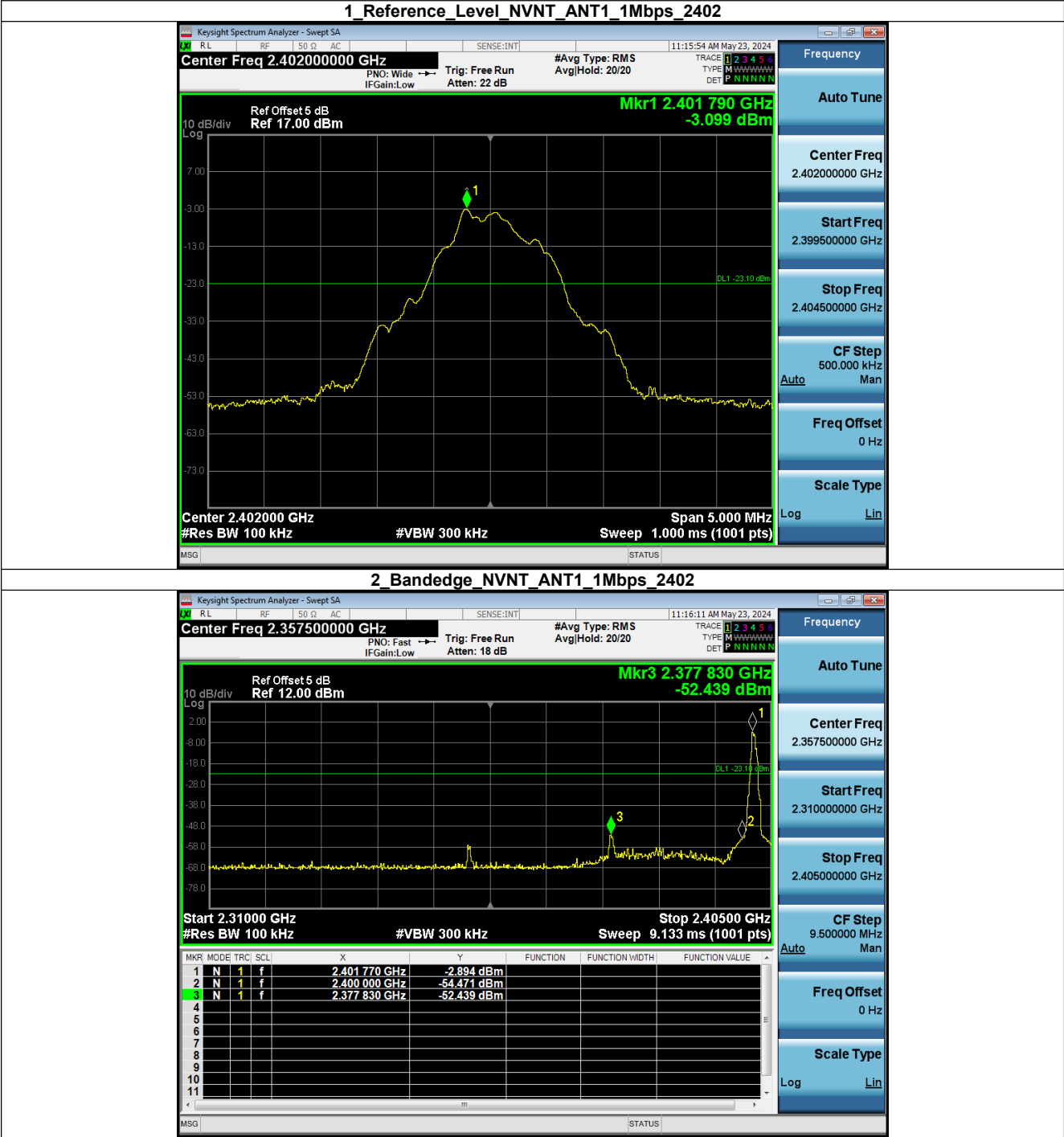


Power Spectral Density NVNT_ANT1_1Mbps_2480



6. Bandedge

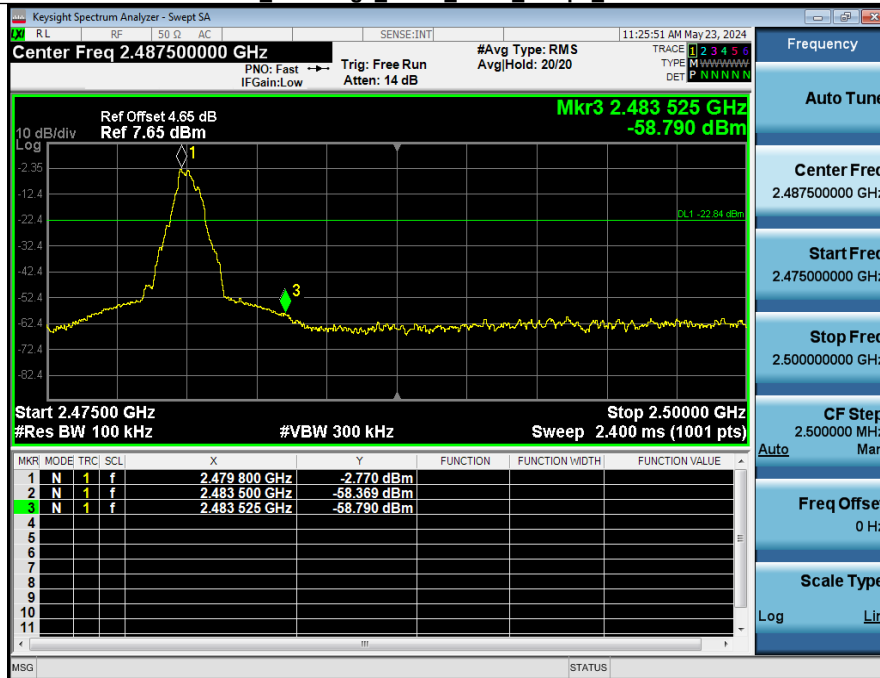
Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2377.830	-52.439	-23.099	Pass
NVNT	ANT1	1Mbps	2480	2483.525	-58.790	-22.835	Pass



1 Reference_Level_NVNT_ANT1_1Mbps_2480

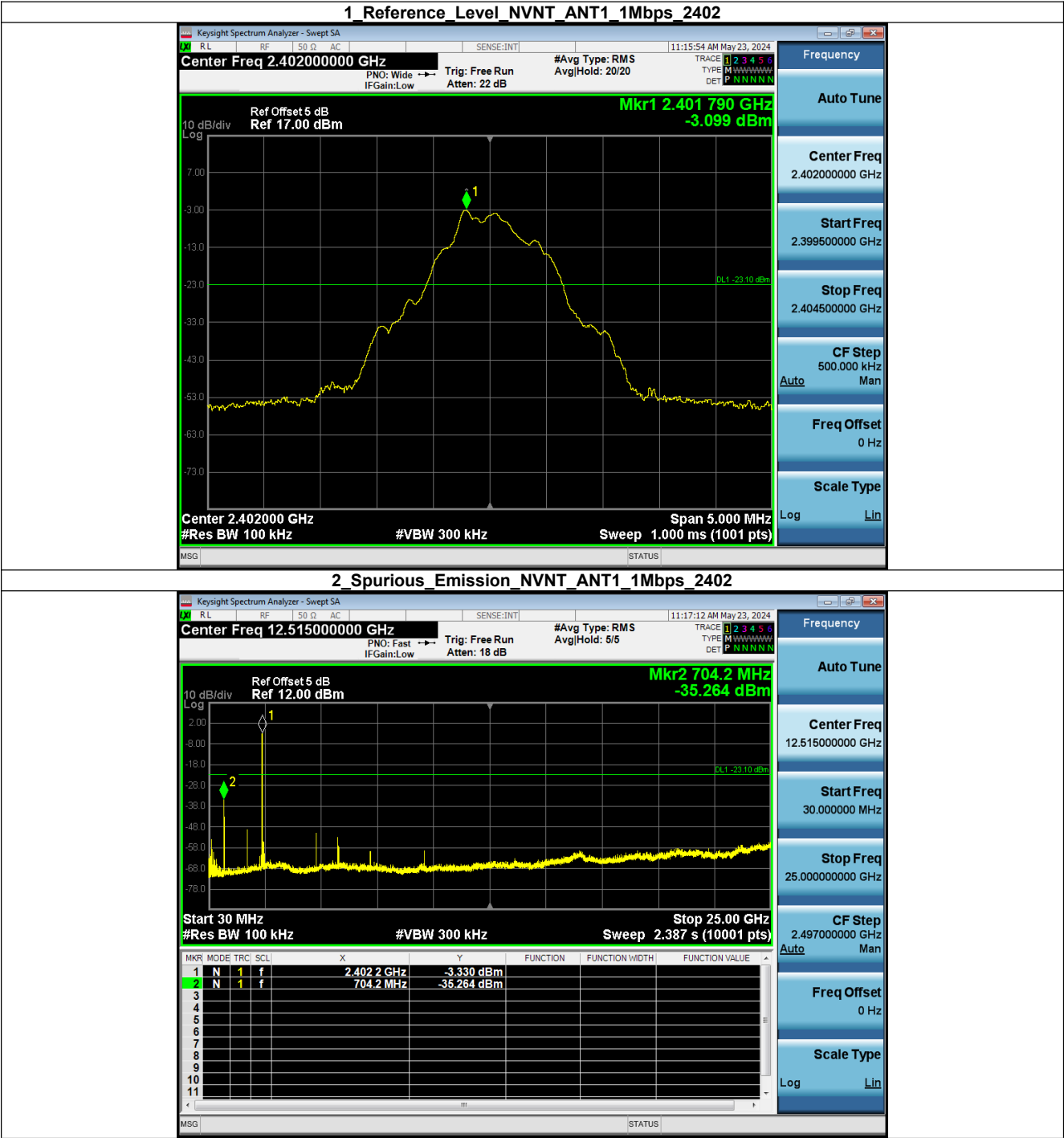


2 Bandedge_NVNT_ANT1_1Mbps_2480



7. Spurious Emission

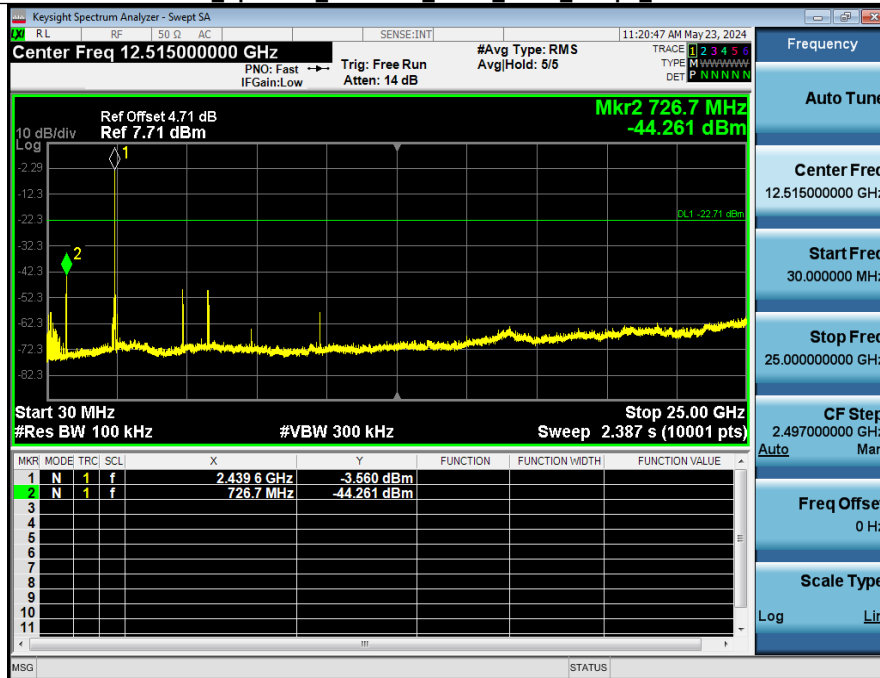
Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-35.264	-23.099	Pass
NVNT	ANT1	1Mbps	2440.00	-44.261	-22.706	Pass
NVNT	ANT1	1Mbps	2480	-33.269	-22.835	Pass



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

