

Appendix

BLE Test Data

for BTEK240509010AE

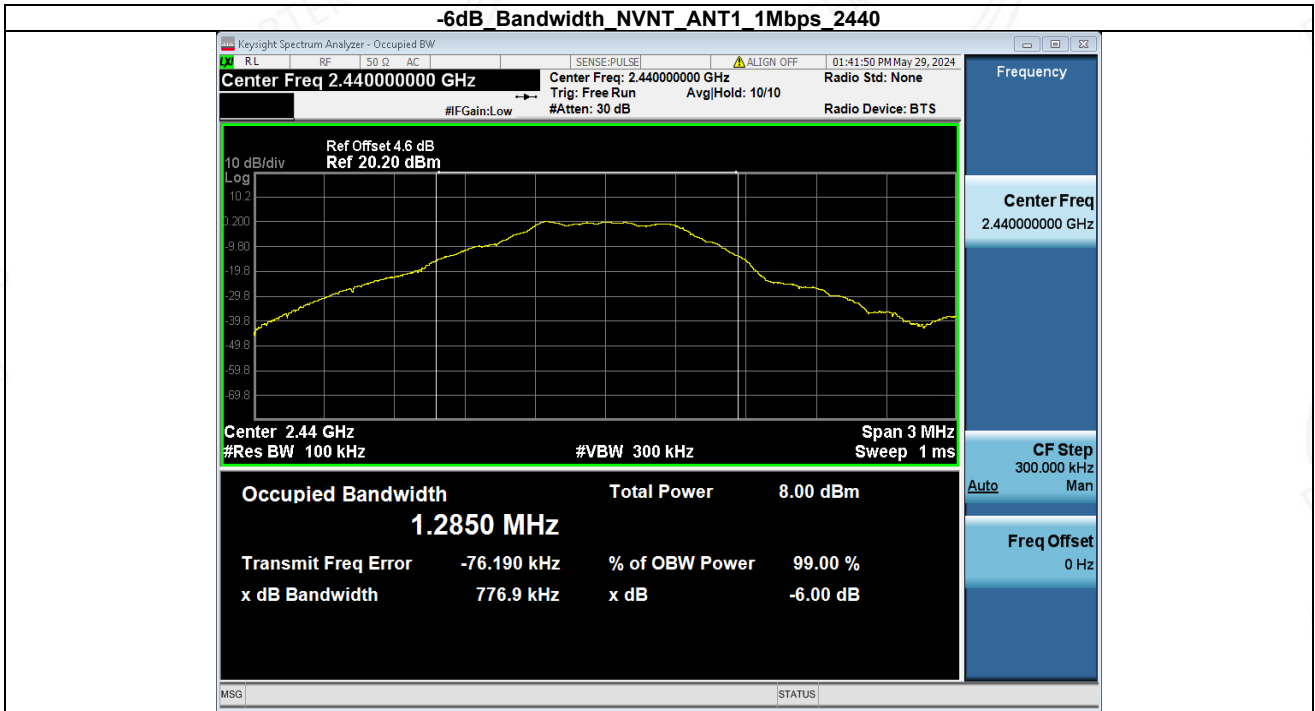


Table of Contents

1. -6dB Bandwidth.....	3
2. 99% Occupied Bandwidth	5
3. Duty Cycle.....	7
4. Peak Output Power.....	9
5. Power Spectral Density.....	11
6. Bandedge.....	13
7. Spurious Emission.....	15



Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	600.18	500	Pass
NVNT	ANT1	1Mbps	2440.00	776.89	500	Pass
NVNT	ANT1	1Mbps	2480.00	803.00	500	Pass



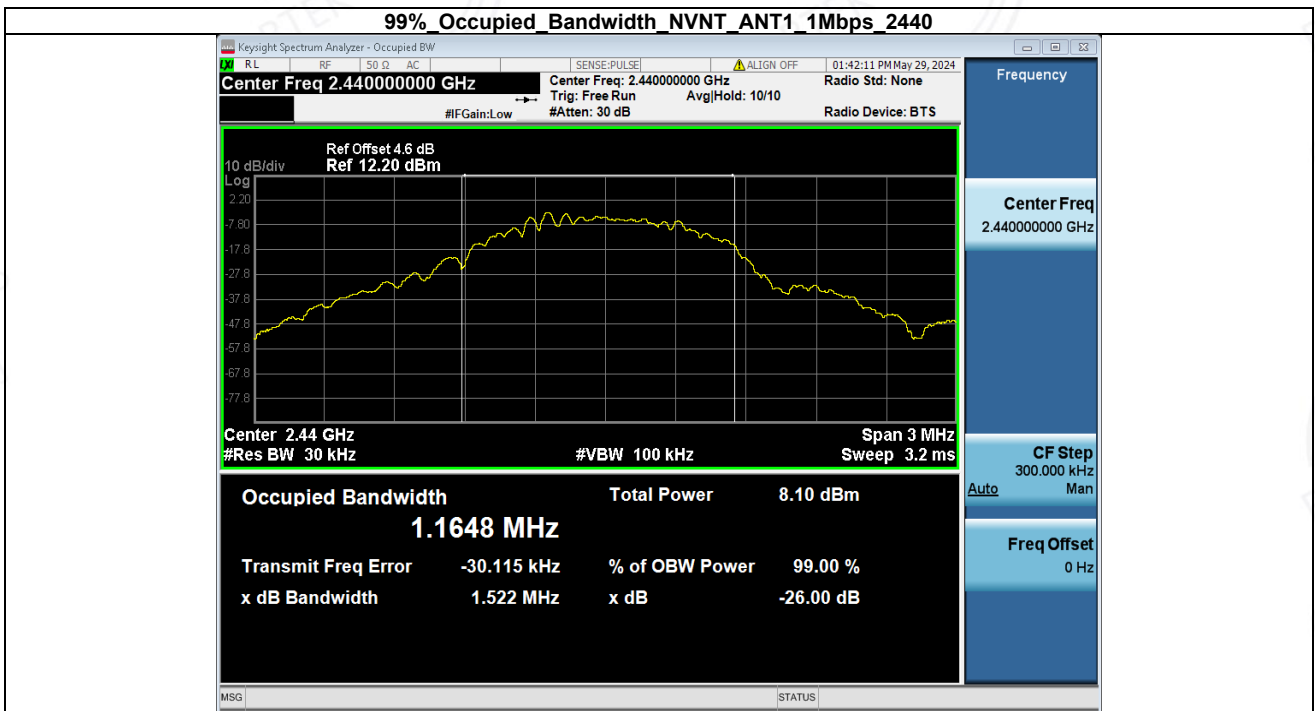
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480





2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.051
NVNT	ANT1	1Mbps	2440.00	1.165
NVNT	ANT1	1Mbps	2480.00	1.165

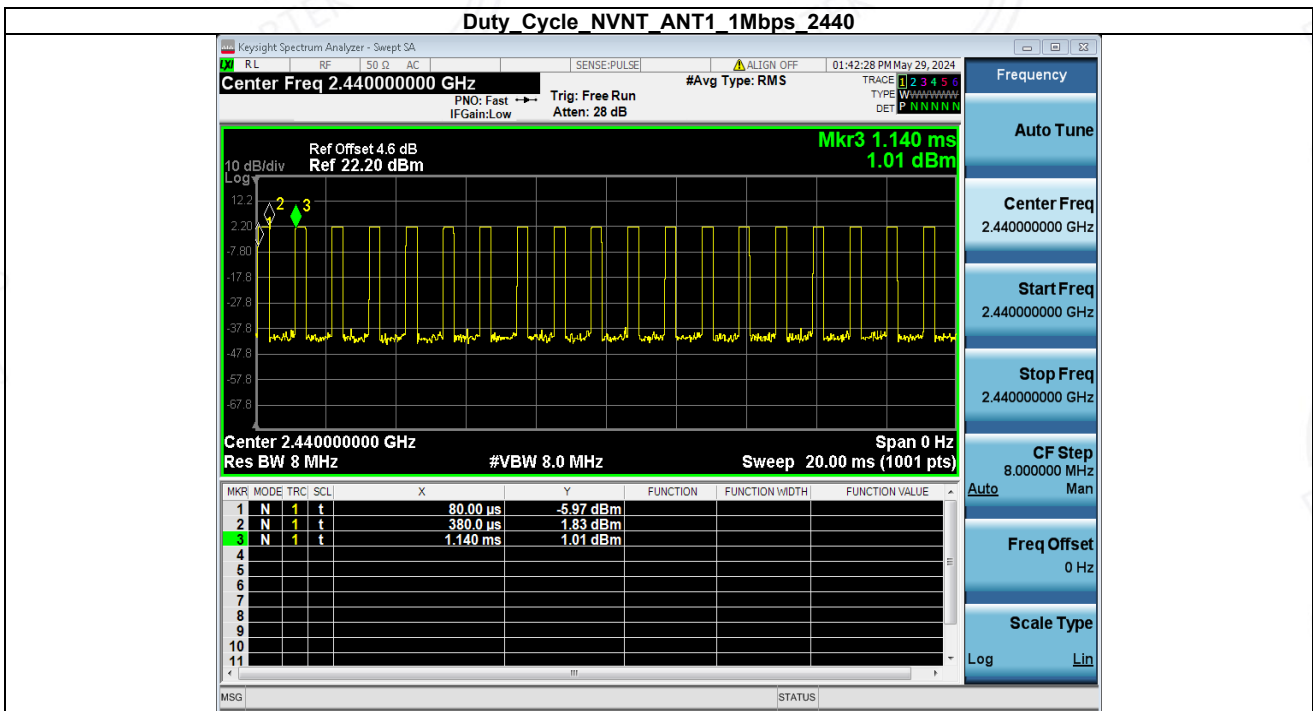
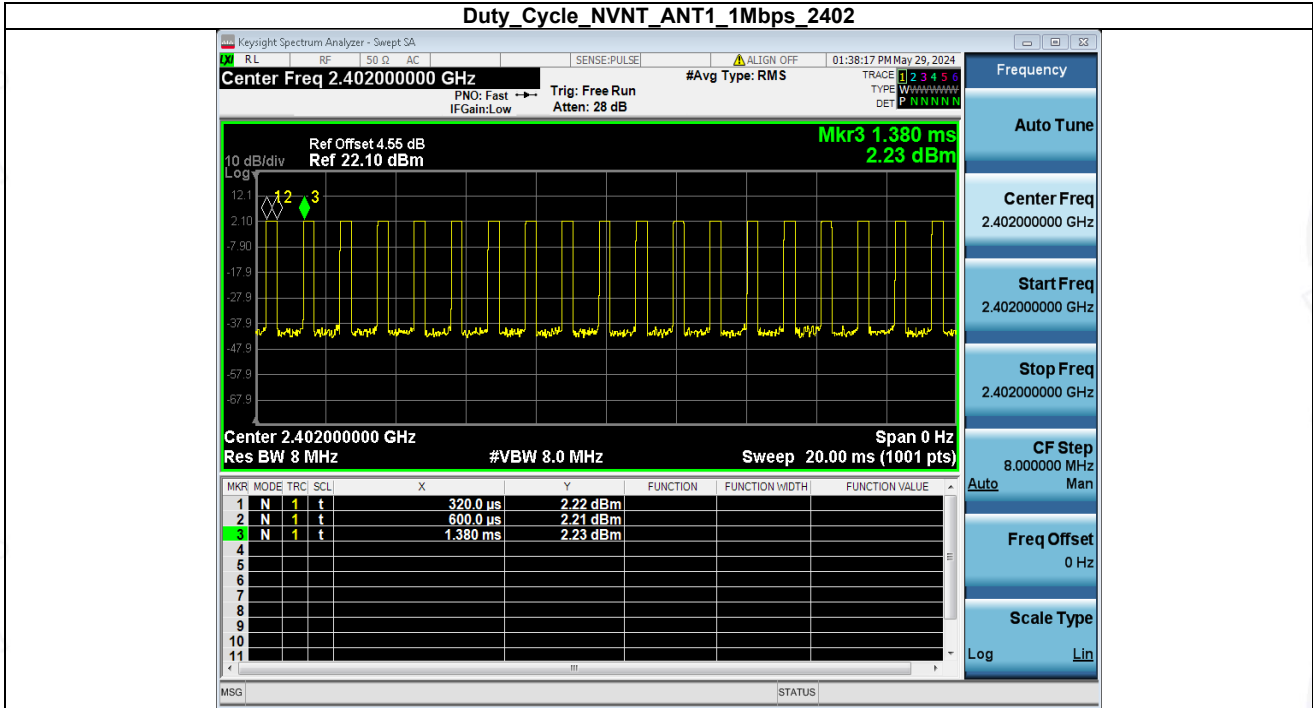


99% Occupied Bandwidth_NVNT_ANT1_1Mbps_2480



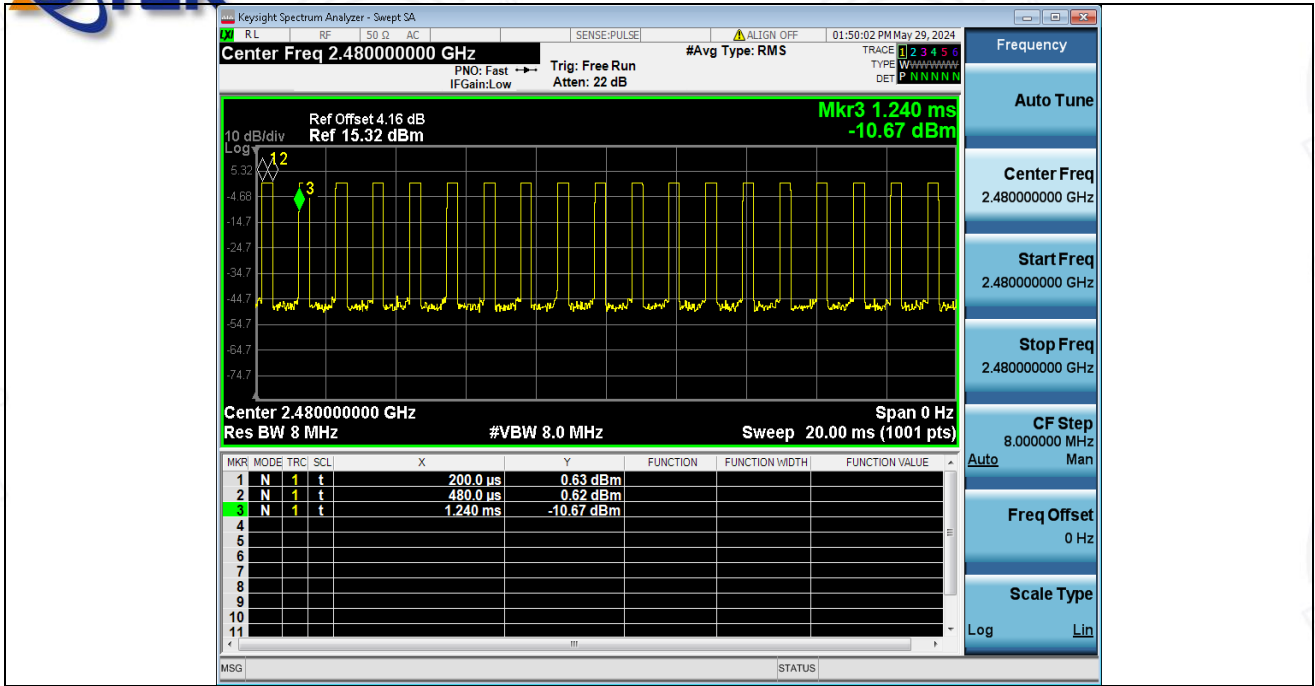


Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	26.42	5.78
NVNT	ANT1	1Mbps	2440.00	28.30	5.48
NVNT	ANT1	1Mbps	2480.00	26.92	5.70



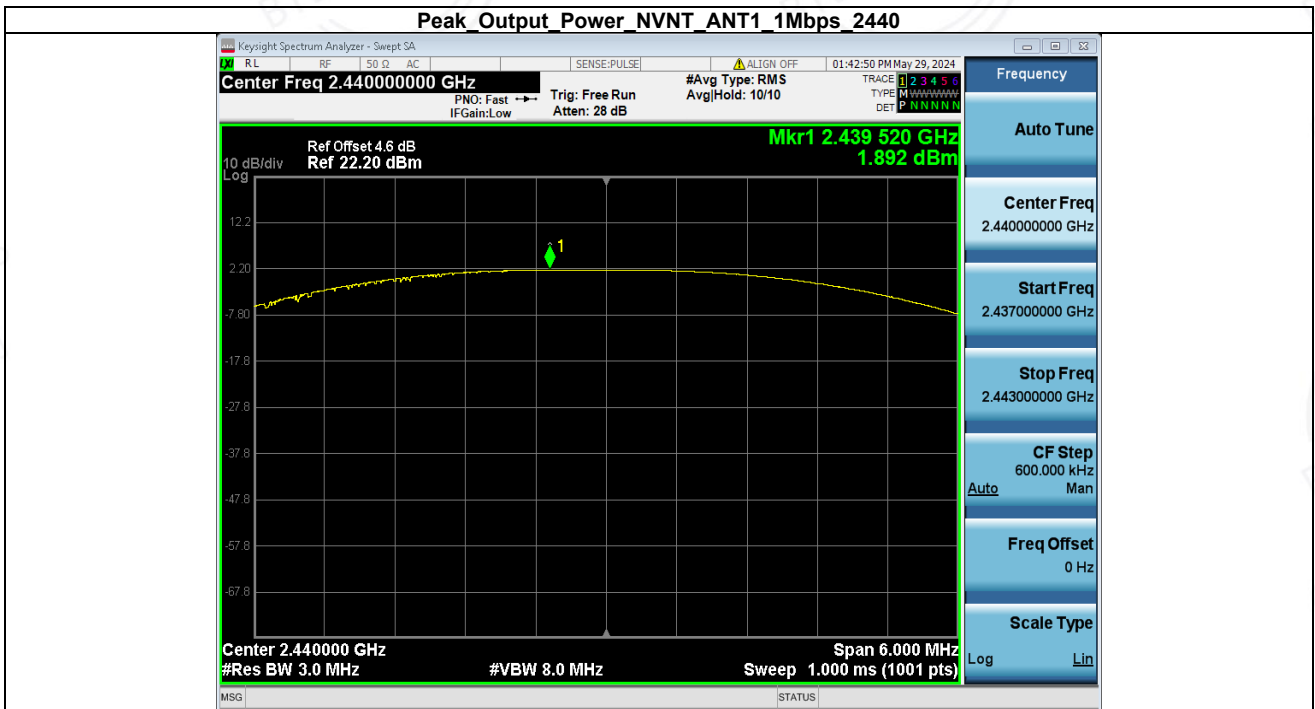
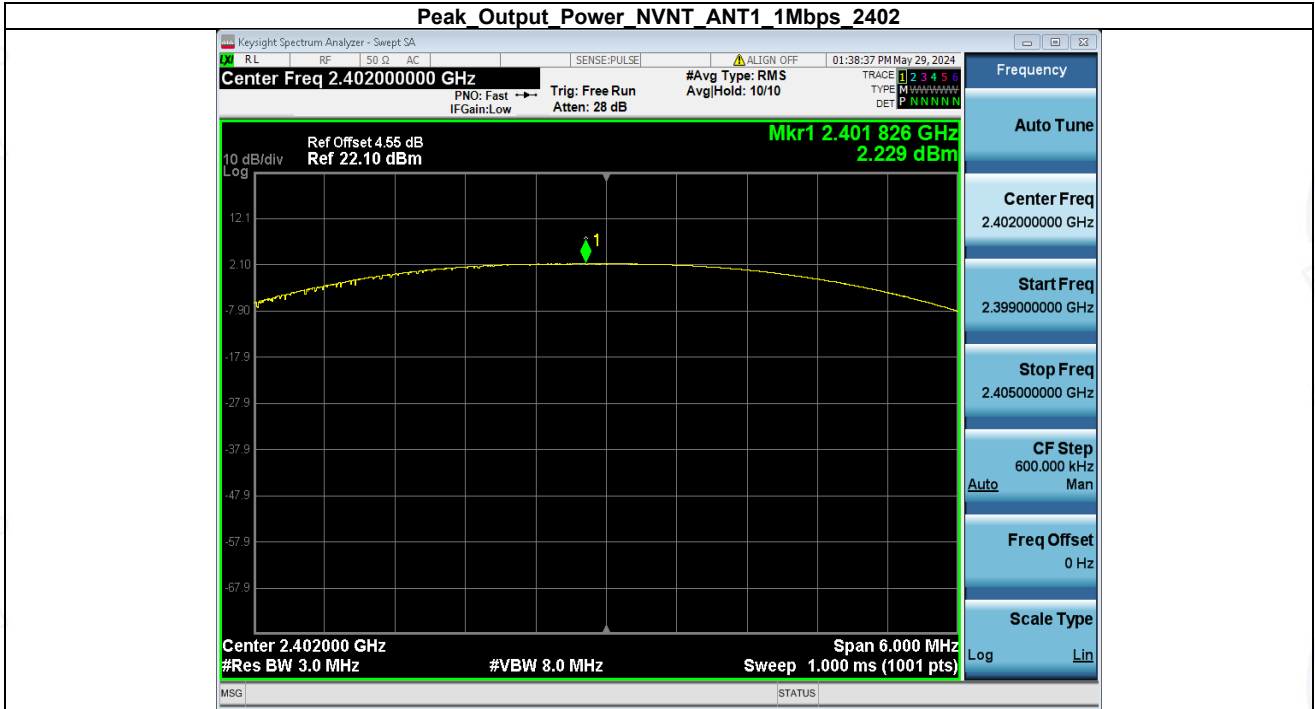
Duty Cycle_NVNT_ANT1_1Mbps_2480





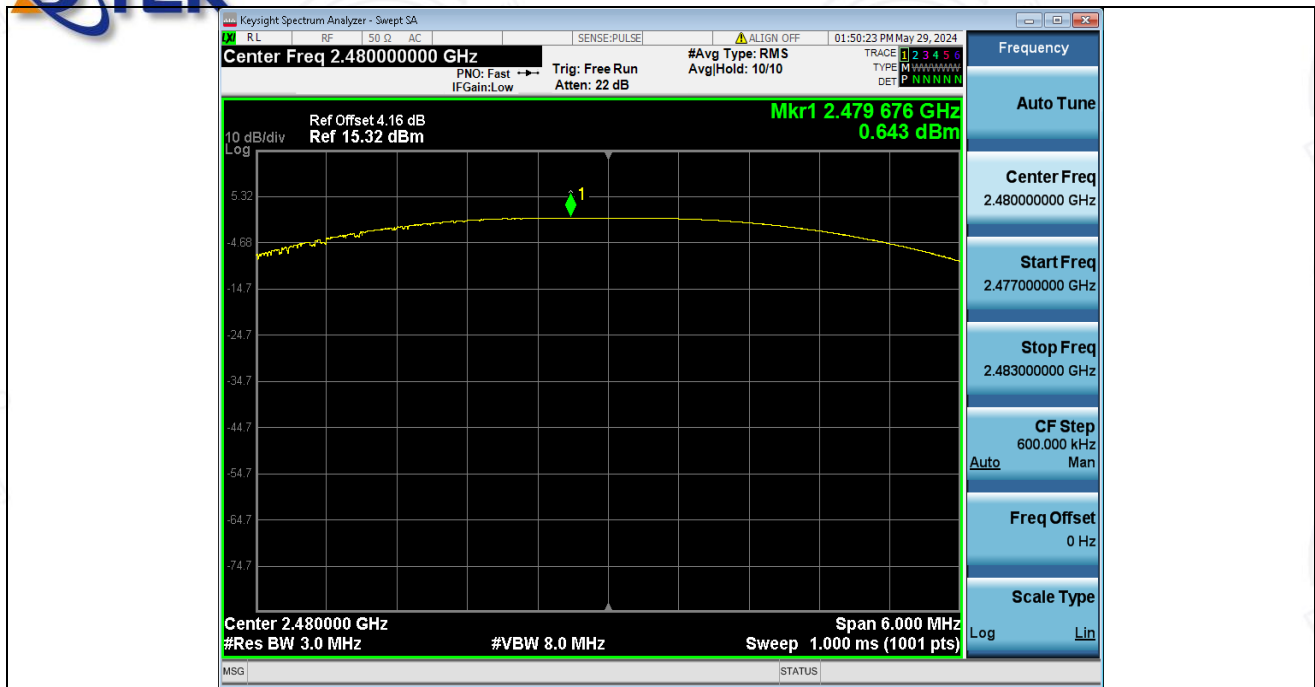
4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	2.23	1.67	1000	Pass
NVNT	ANT1	1Mbps	2440.00	1.89	1.55	1000	Pass
NVNT	ANT1	1Mbps	2480.00	0.64	1.16	1000	Pass



Peak Output Power_NVNT_ANT1_1Mbps_2480

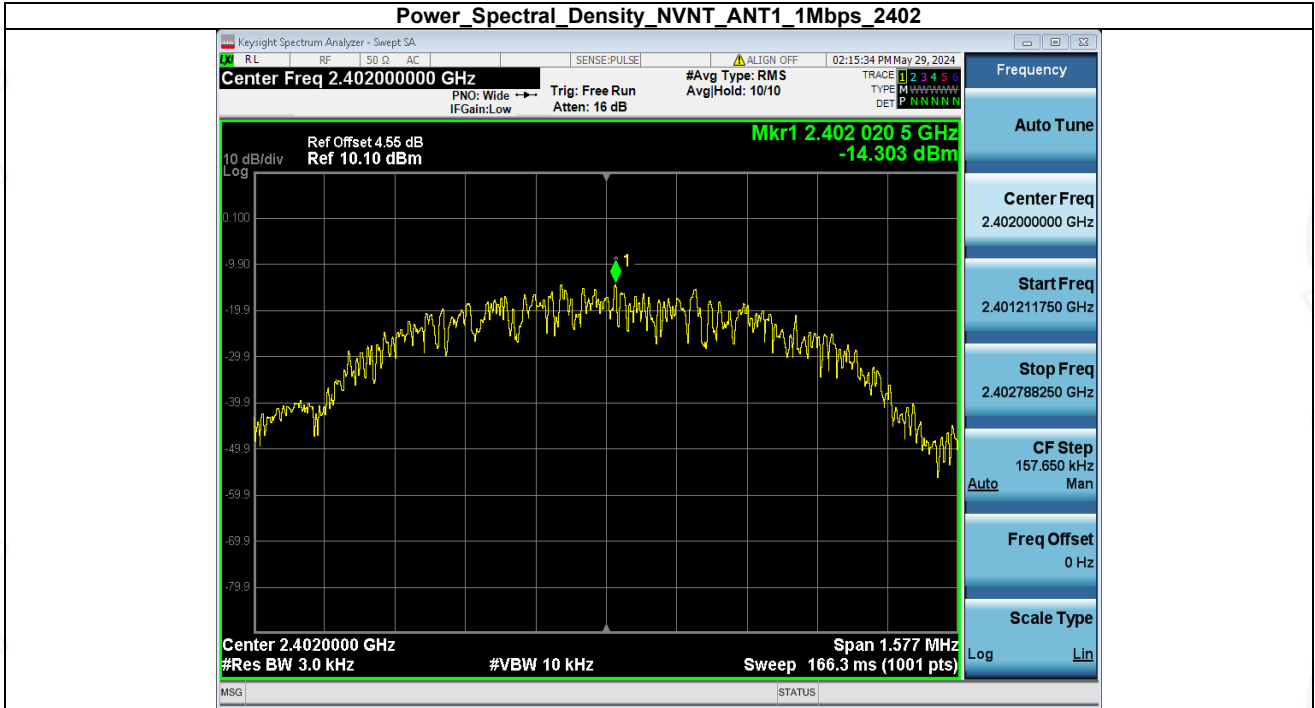




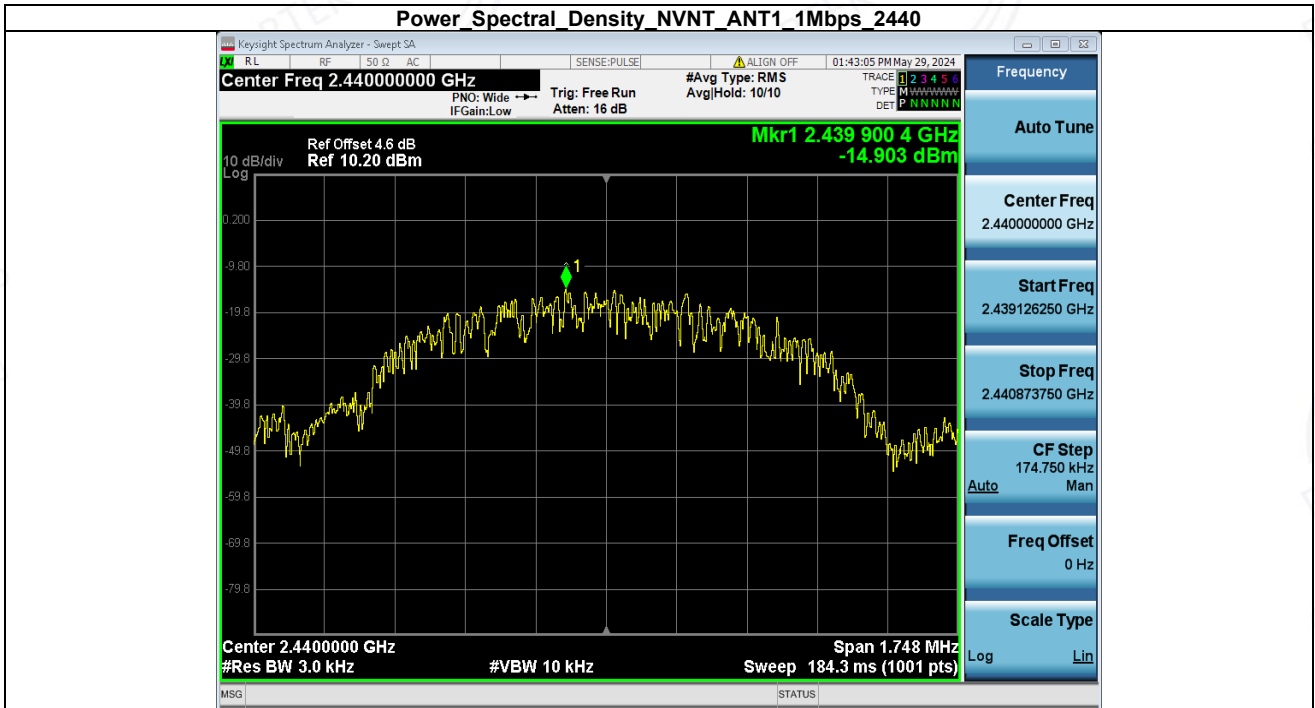
5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-14.30	8	Pass
NVNT	ANT1	1Mbps	2440.00	-14.90	8	Pass
NVNT	ANT1	1Mbps	2480.00	-16.03	8	Pass

Power Spectral Density_NVNT_ANT1_1Mbps_2402



Power Spectral Density_NVNT_ANT1_1Mbps_2440

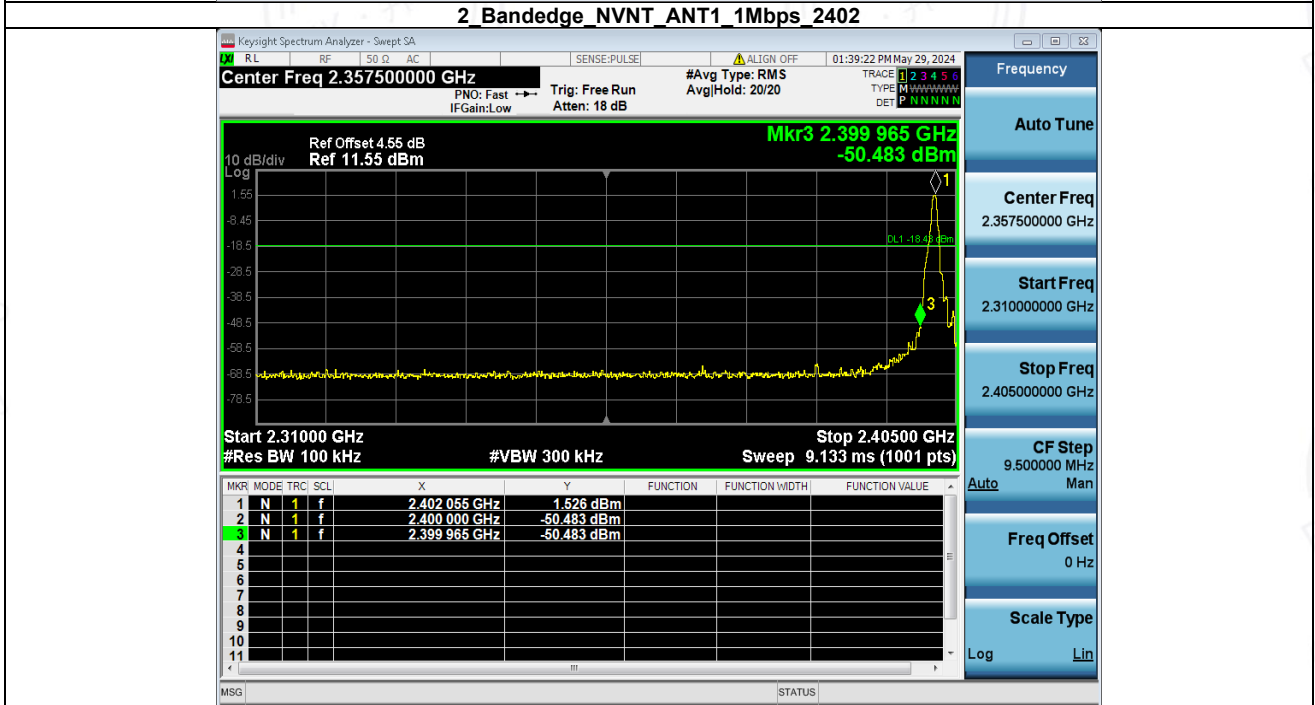


Power Spectral Density_NVNT_ANT1_1Mbps_2480





Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-50.483	-18.432	Pass
NVNT	ANT1	1Mbps	2480.00	2483.600	-54.182	-20.718	Pass

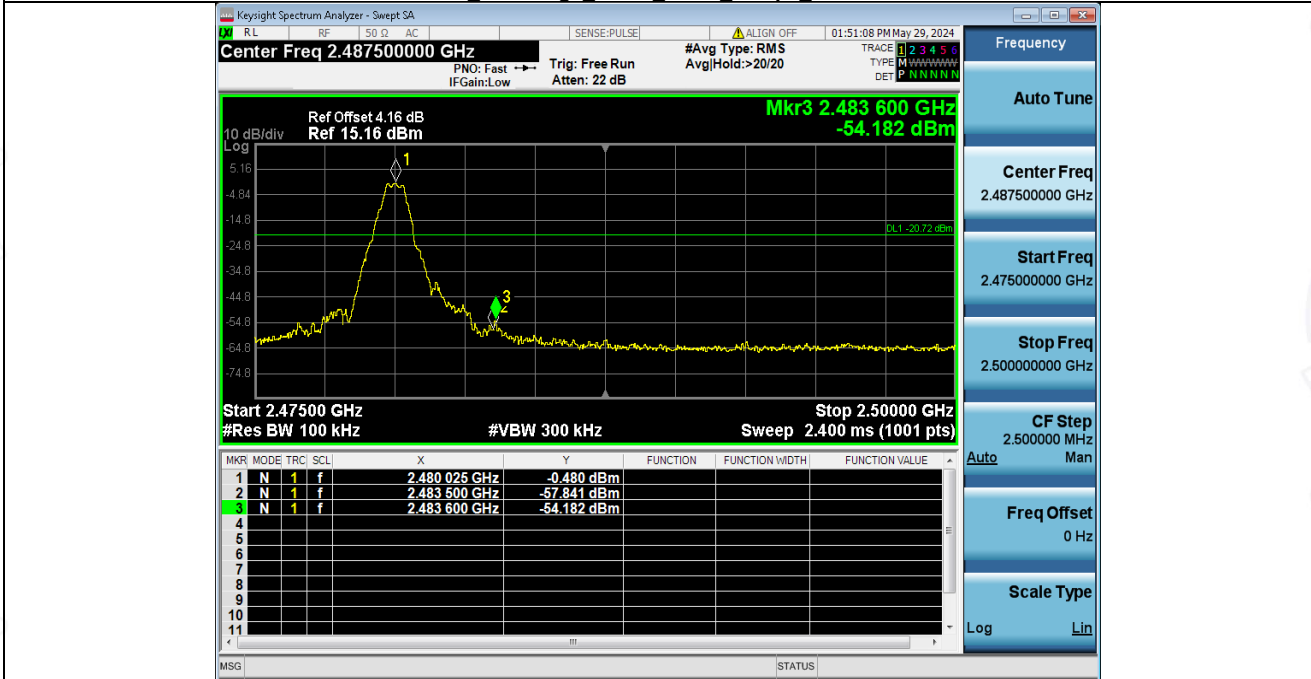


1 Reference_Level_NVNT_ANT1_1Mbps_2480



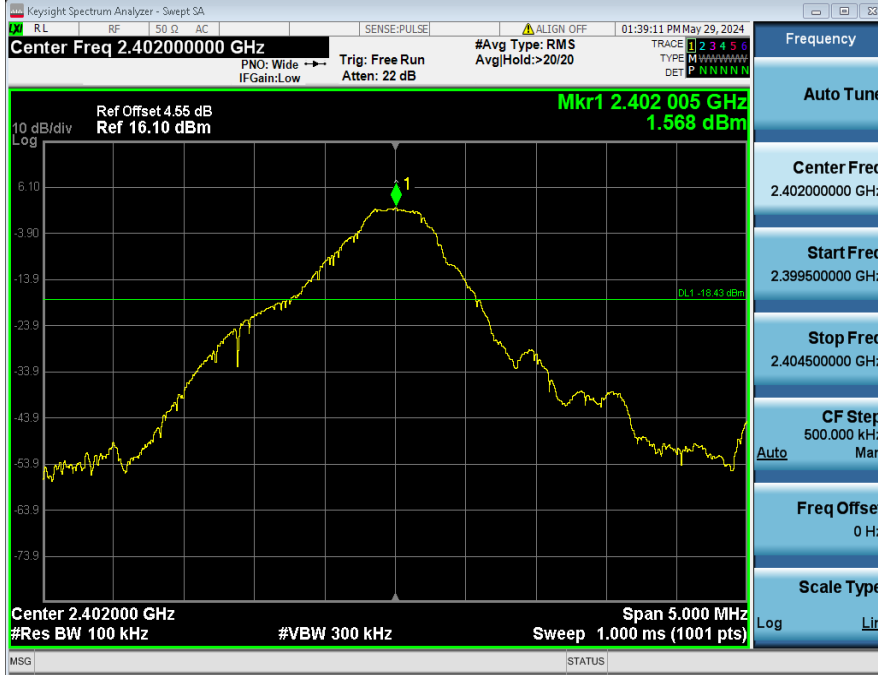


2_Bandedge_NVNT_ANT1_1Mbps_2480

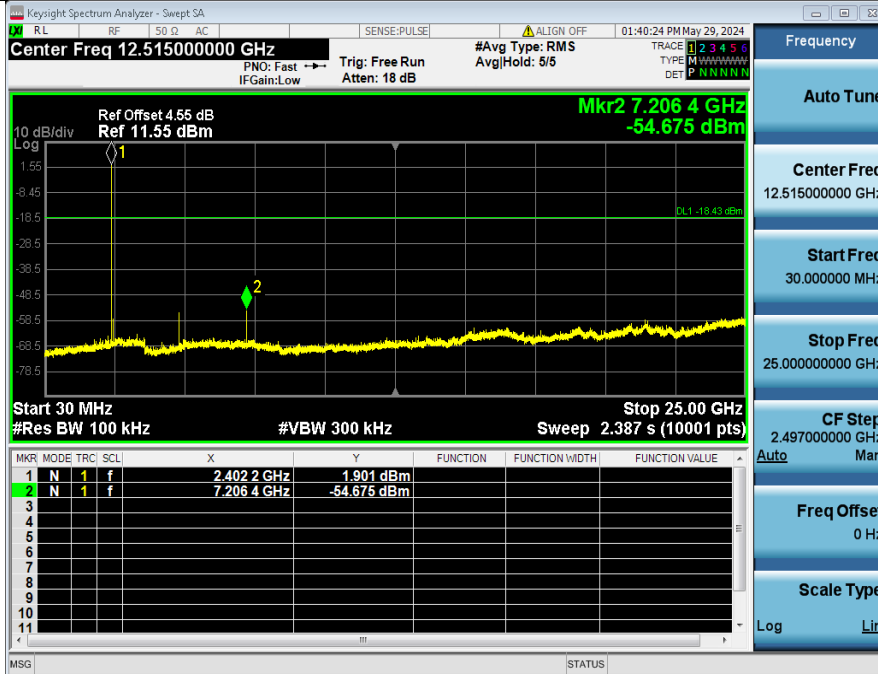


Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402.00	-54.675	-18.432	Pass
NVNT	ANT1	1Mbps	2440.00	-53.105	-19.624	Pass
NVNT	ANT1	1Mbps	2480.00	-52.925	-20.718	Pass

1 Reference_Level_NVNT_ANT1_1Mbps_2402



2 Spurious Emission_NVNT_ANT1_1Mbps_2402

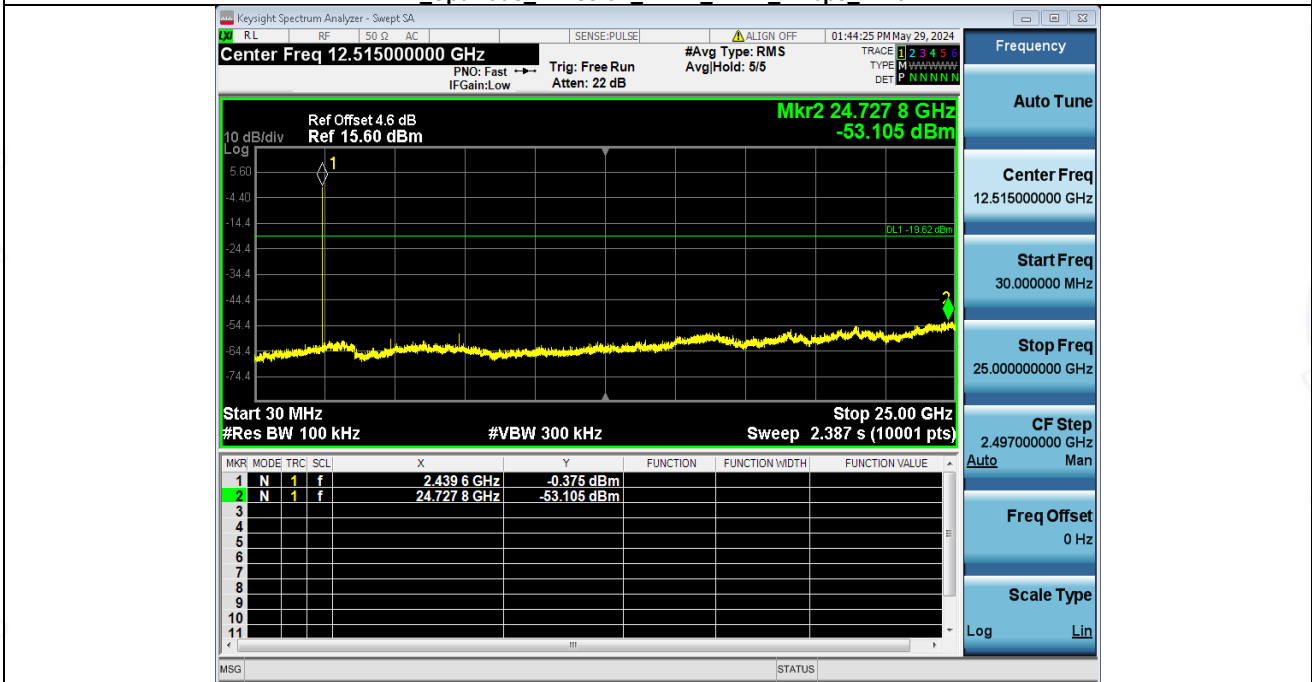


1 Reference_Level_NVNT_ANT1_1Mbps_2440



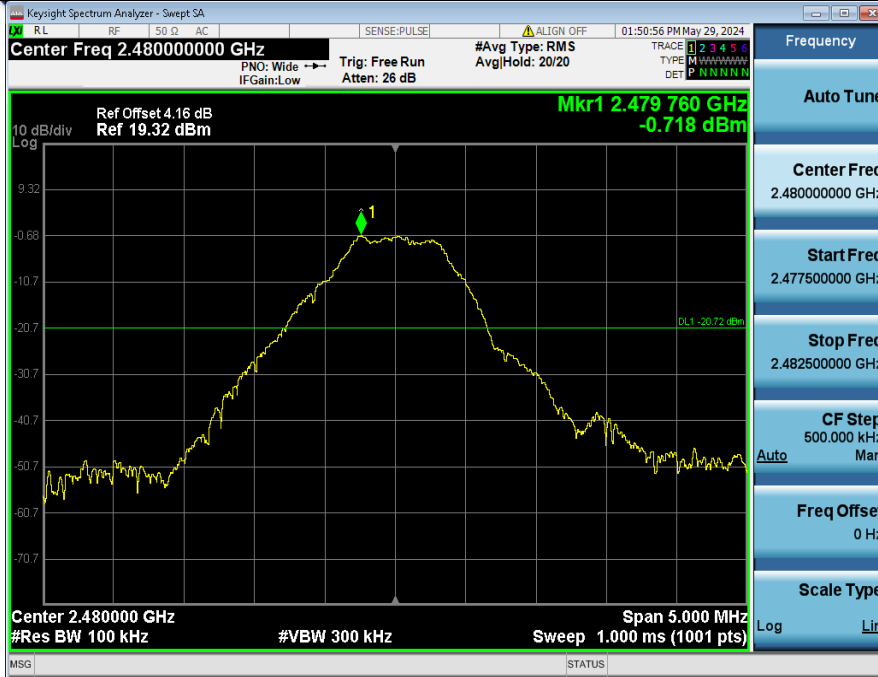


2_Spurious Emission_NVNT_ANT1_1Mbps_2440



1 Reference Level_NVNT_ANT1_1Mbps_2480





2_Spurious Emission_NVNT_ANT1_1Mbps_2480

