



MAXLAB Testing Co.,Ltd.

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

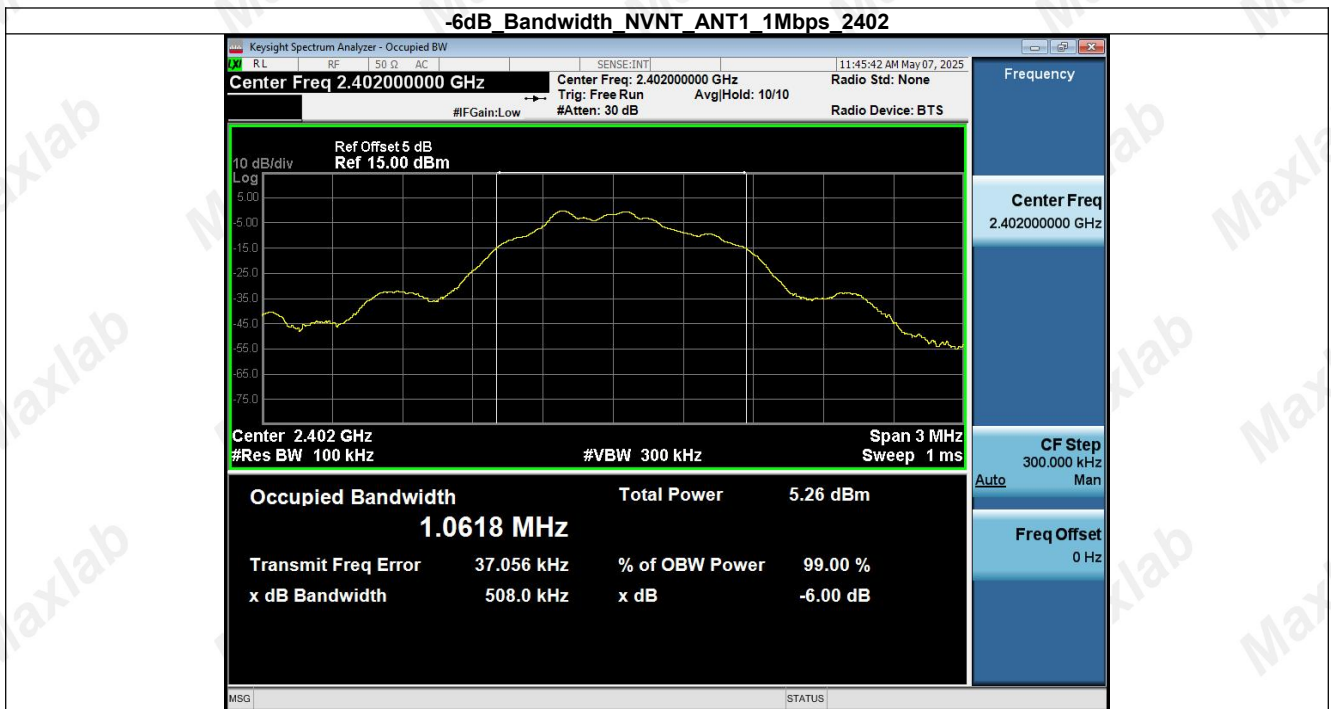
Report No.: MAX250429110P01-R01

FCC ID:2A5FB-023S

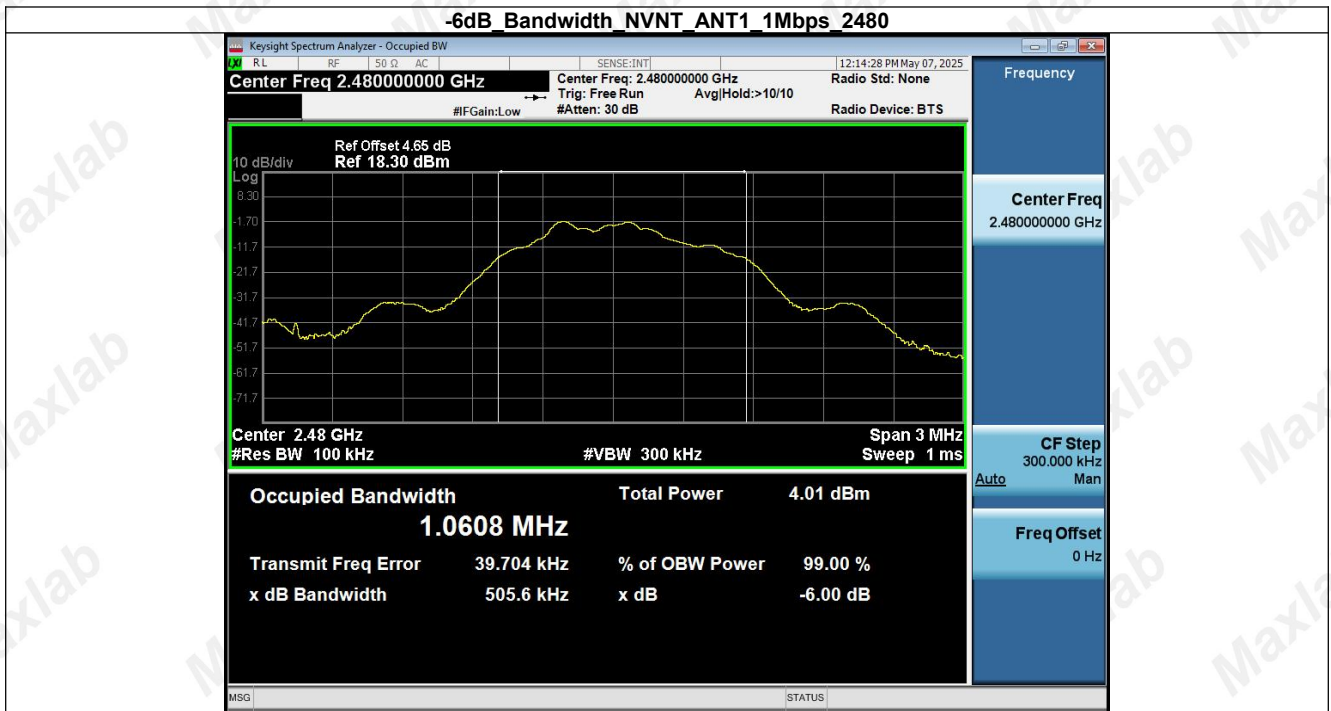
FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	507.95	500	Pass
NVNT	ANT1	1Mbps	2440.00	510.90	500	Pass
NVNT	ANT1	1Mbps	2480.00	505.57	500	Pass

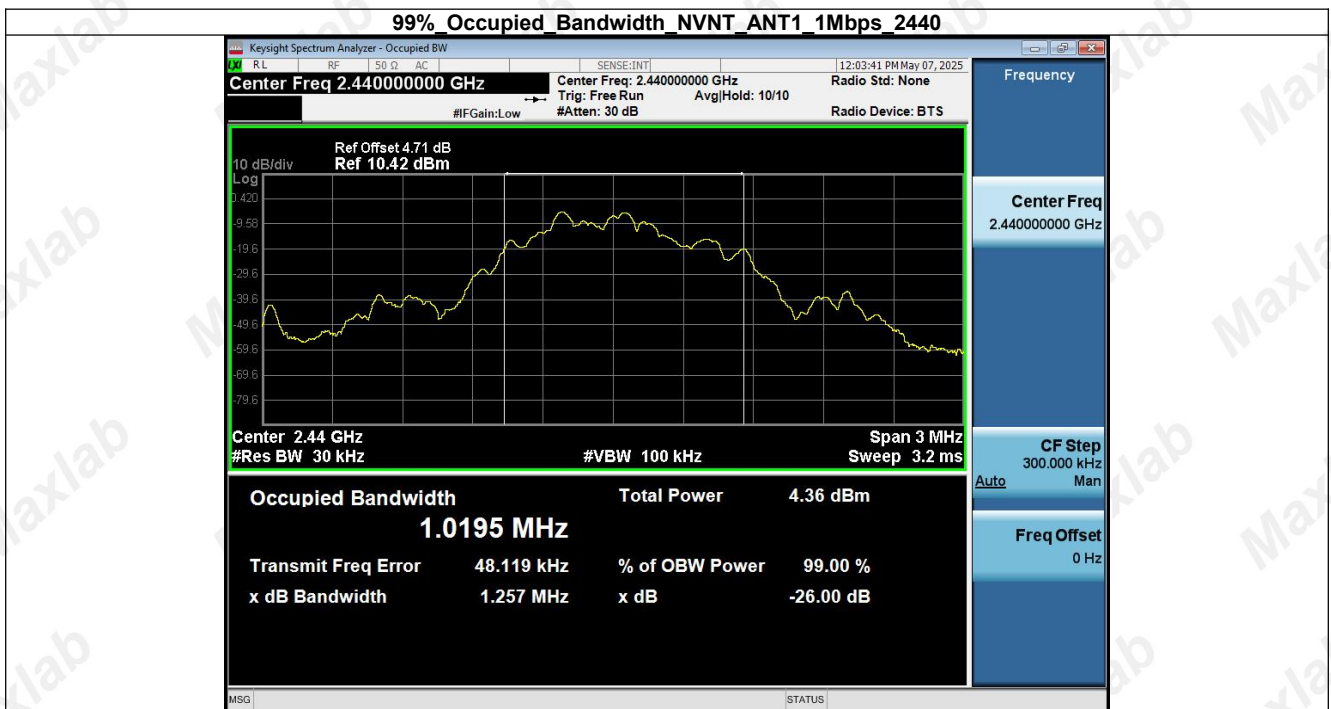


-6dB Bandwidth NVNT_ANT1_1Mbps_2440
--



2. 99% Occupied Bandwidth

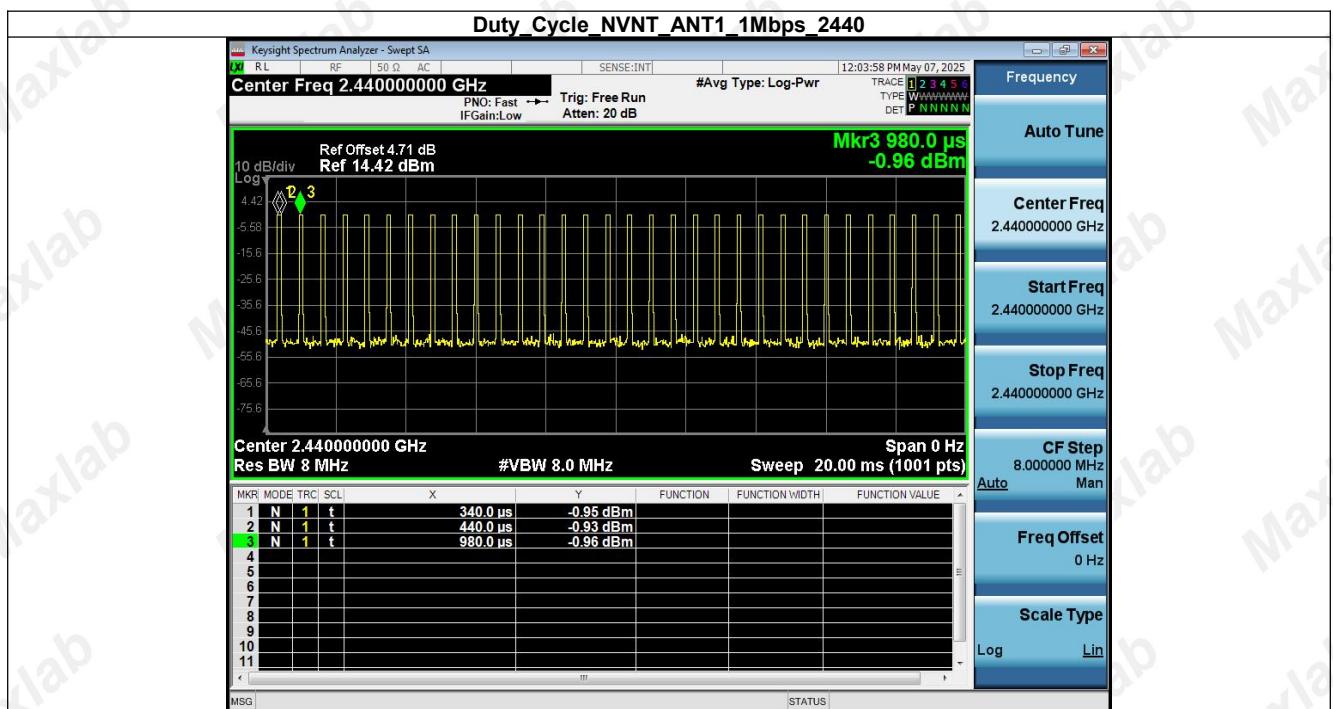
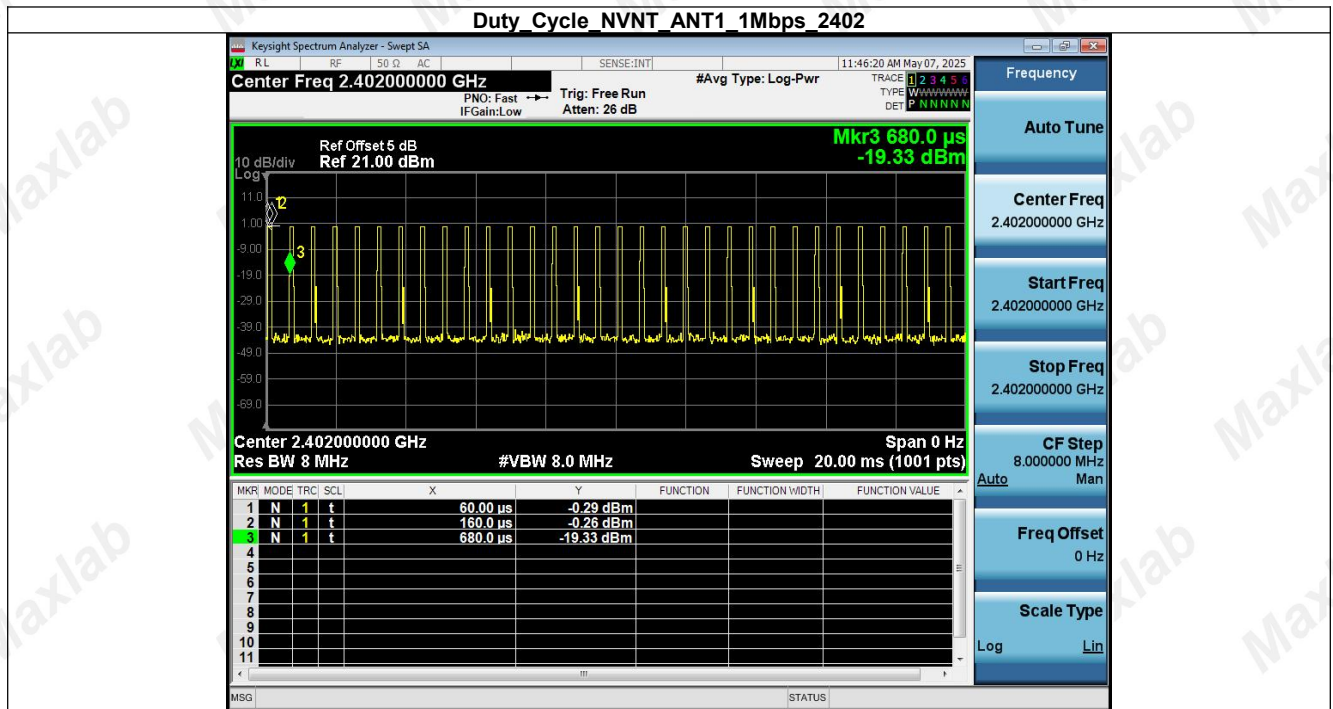
Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.018
NVNT	ANT1	1Mbps	2440.00	1.020
NVNT	ANT1	1Mbps	2480.00	1.018

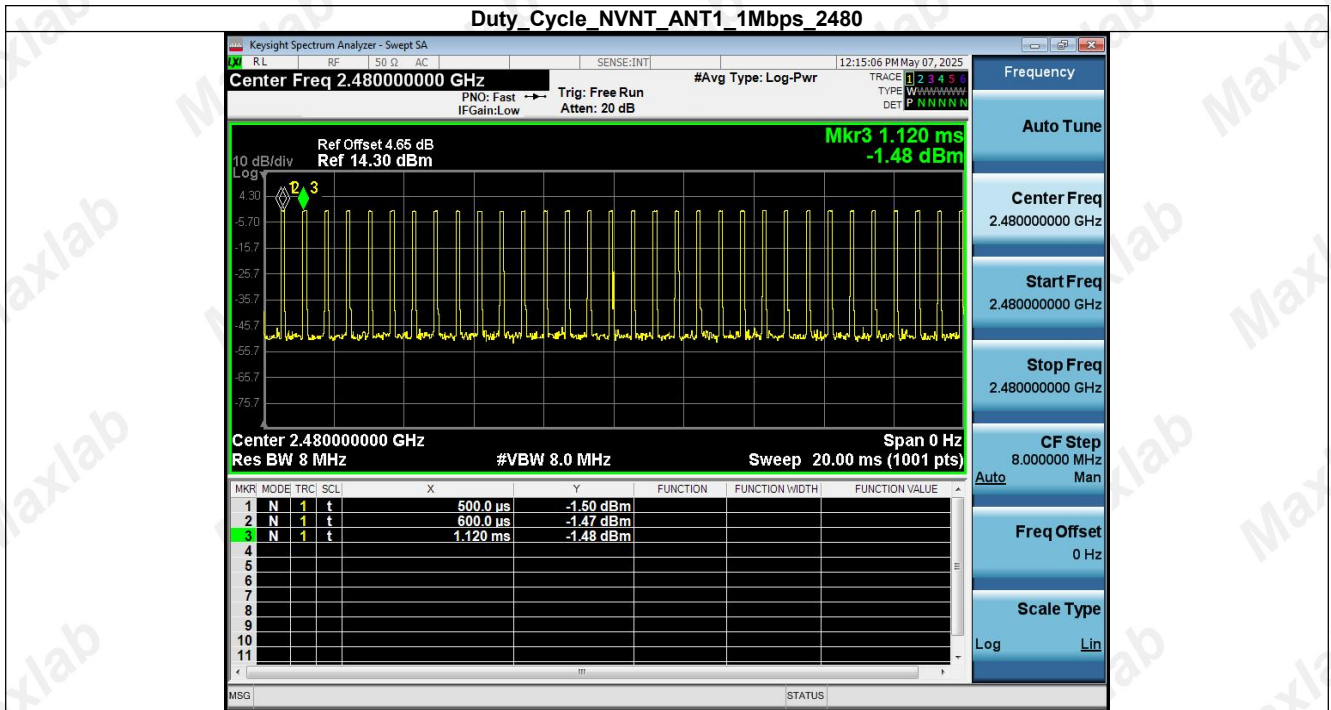




3. Duty Cycle

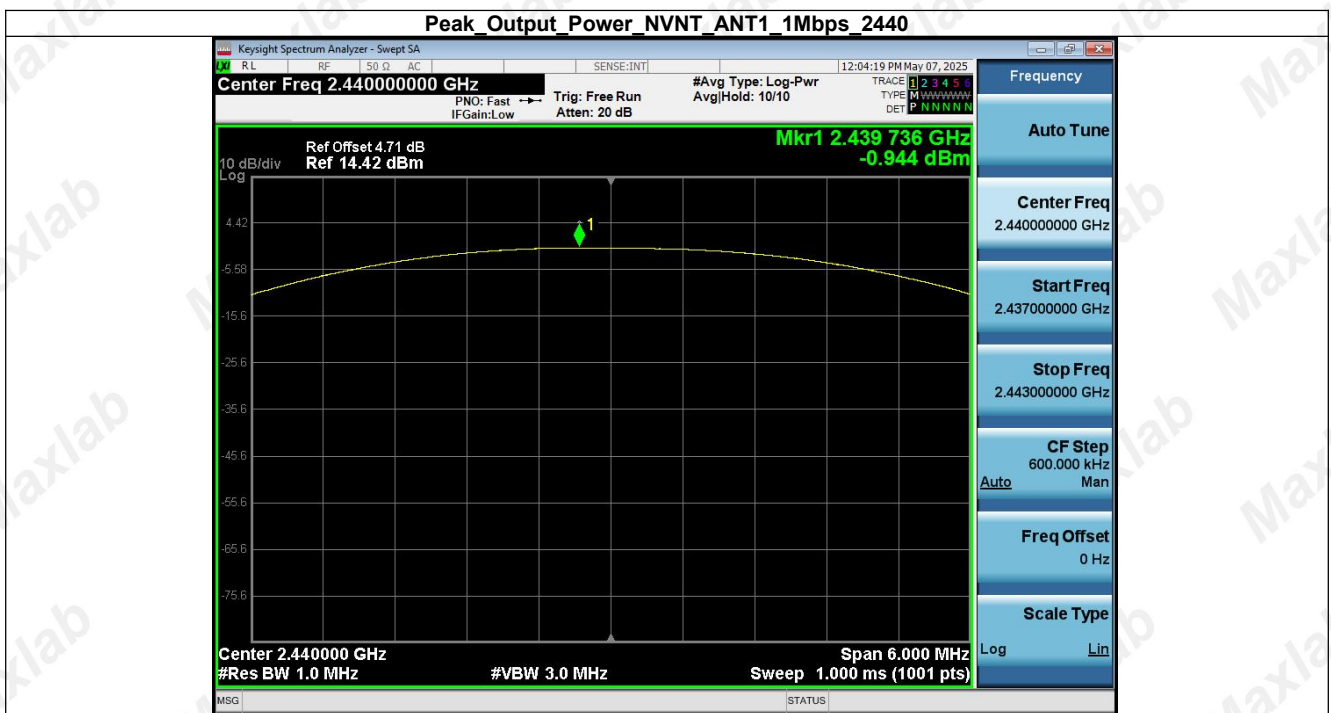
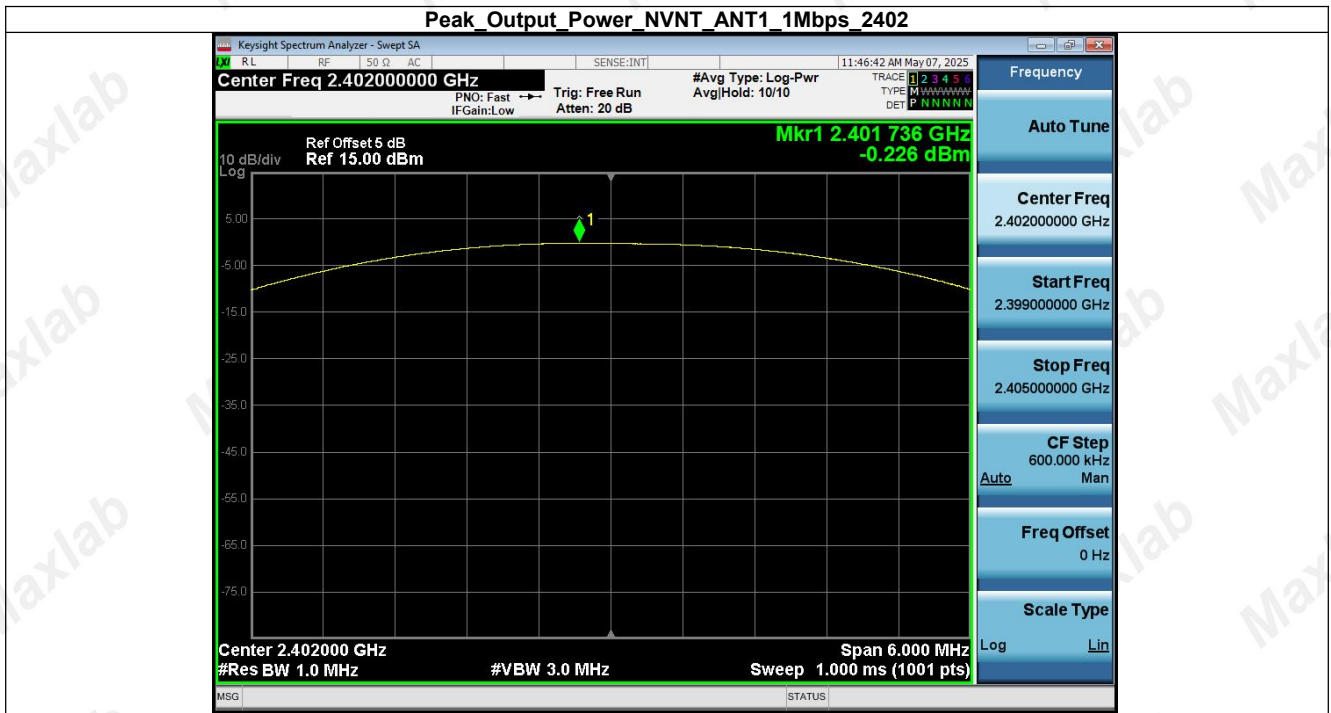
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	16.13	7.92
NVNT	ANT1	1Mbps	2440.00	15.63	8.06
NVNT	ANT1	1Mbps	2480.00	16.13	7.92

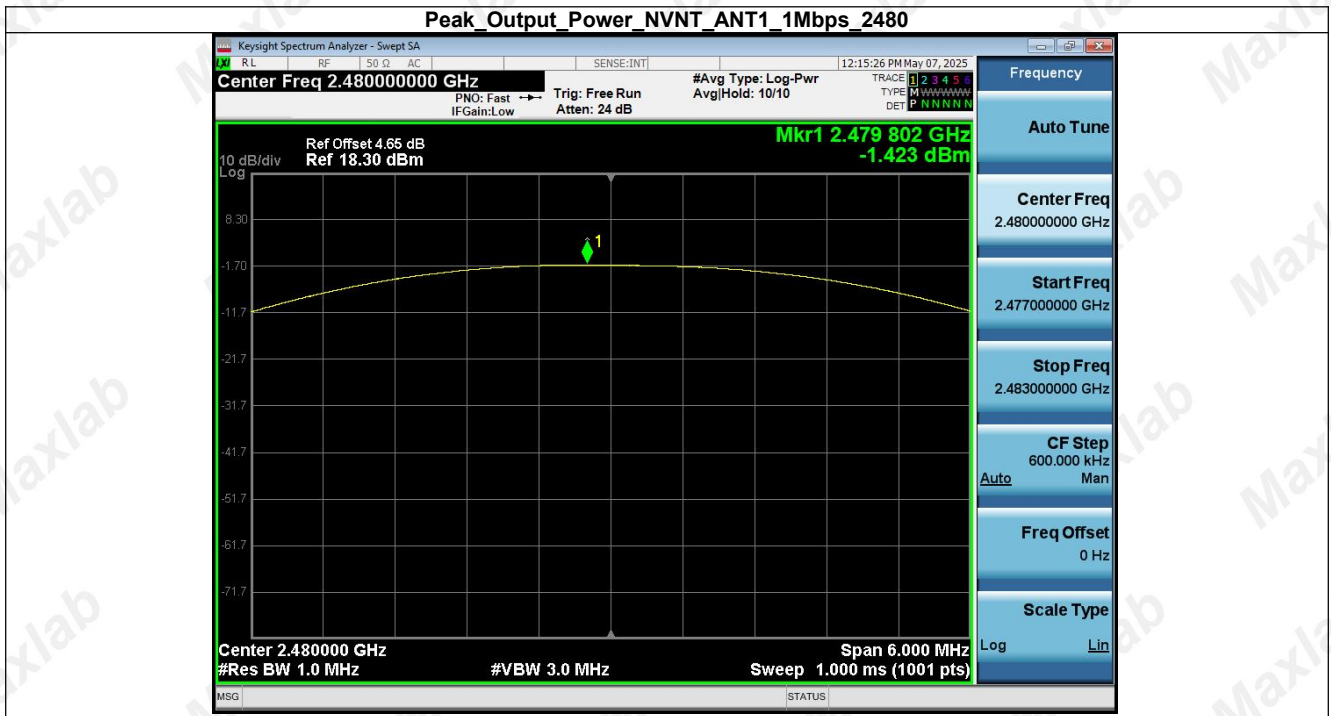




4. Peak Output Power

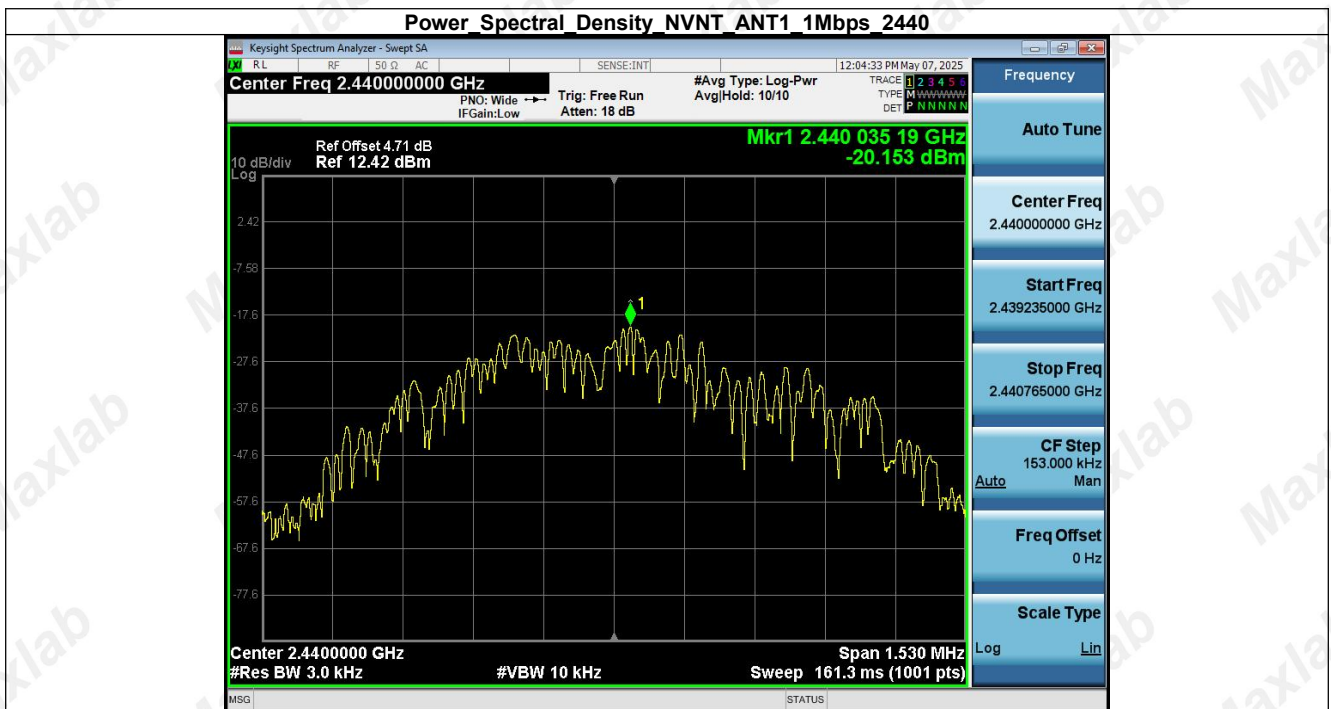
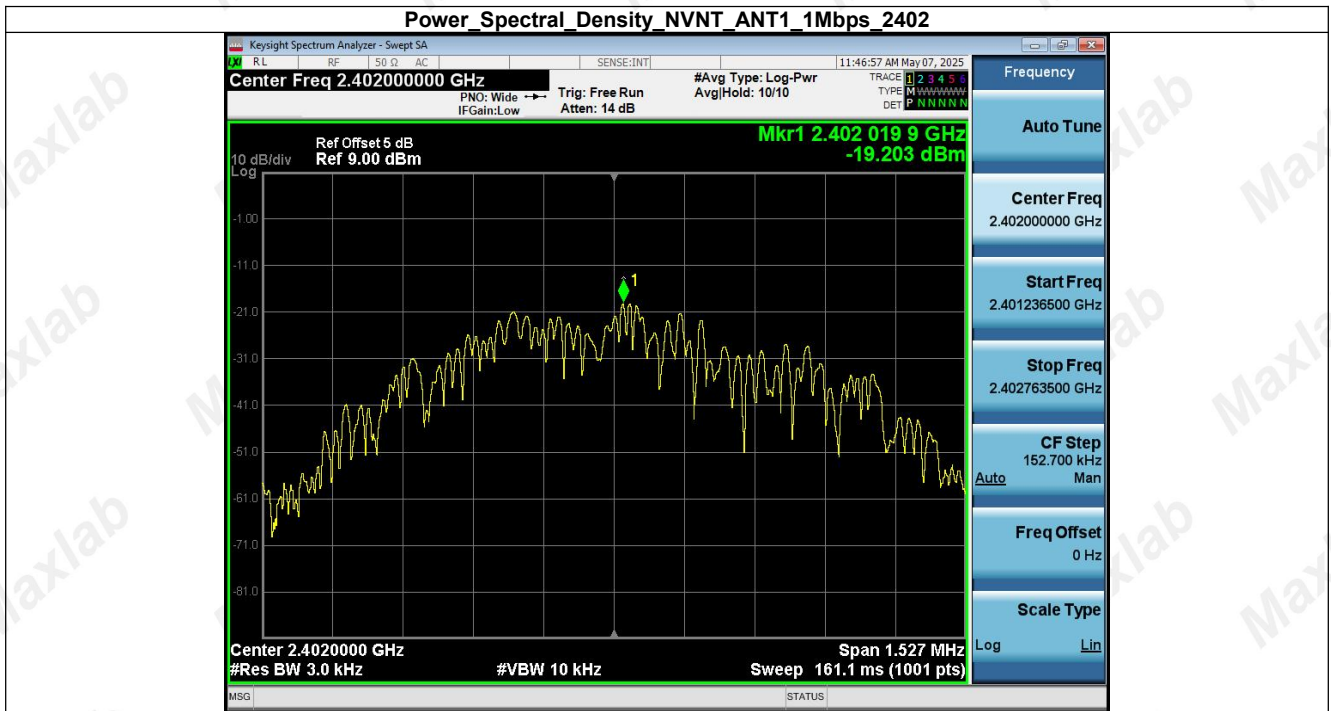
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.23	0.95	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.94	0.80	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-1.42	0.72	1000	Pass

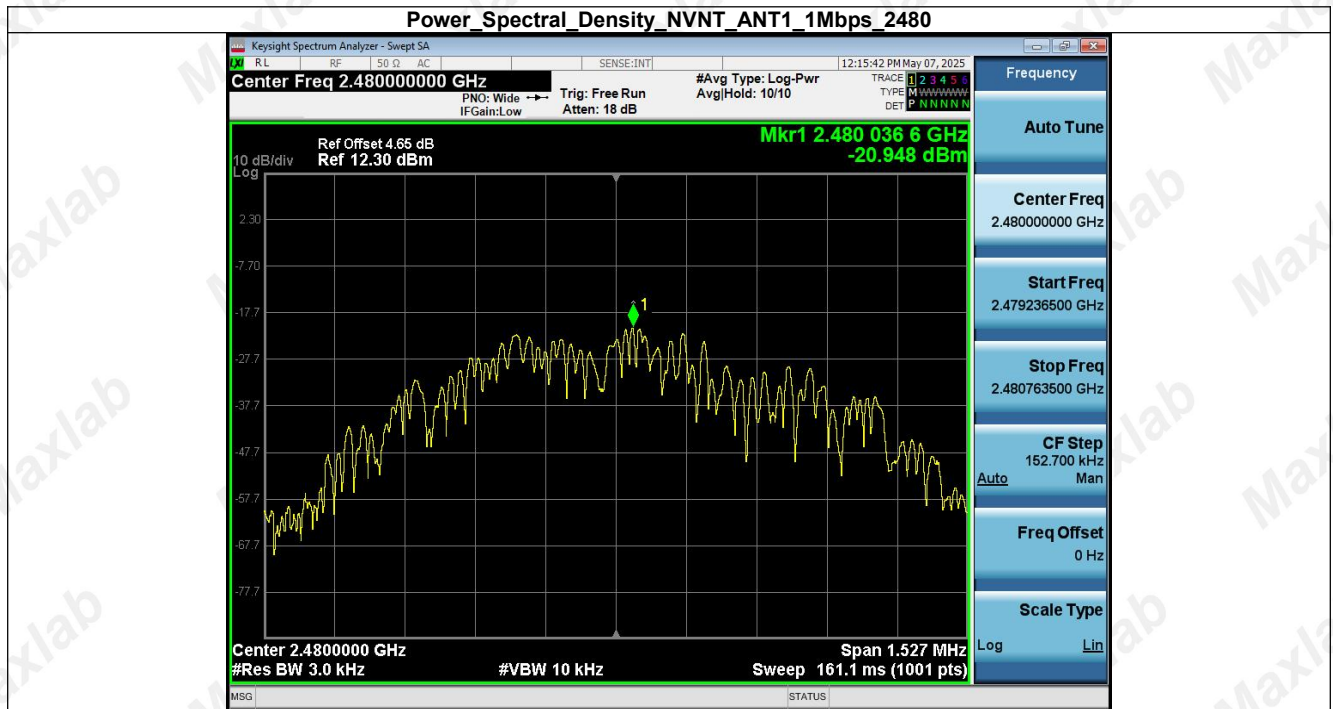




5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-19.20	8	Pass
NVNT	ANT1	1Mbps	2440.00	-20.15	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.95	8	Pass





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	-0.268	-46.439	-20.268	Pass
NVNT	ANT1	1Mbps	2480.00	2483.650	-1.536	-52.804	-21.536	Pass

1 Reference_Level_NVNT_ANT1_1Mbps_2402



2 Bandedge_NVNT_ANT1_1Mbps_2402



1 Reference_Level_NVNT_ANT1_1Mbps_2480



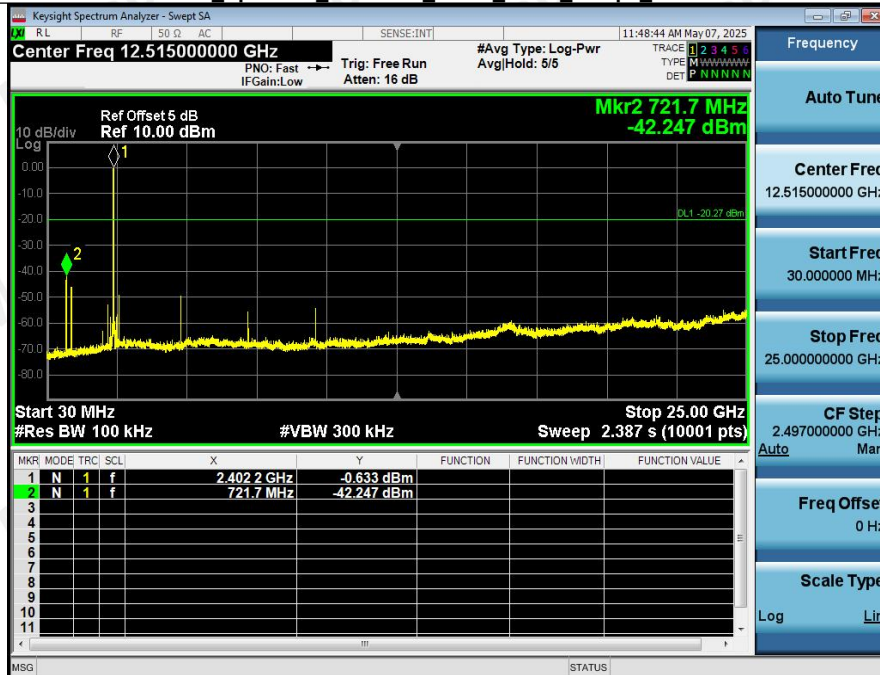
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.268	-42.247	-20.268	Pass
NVNT	ANT1	1Mbps	2440.00	-1.061	-47.632	-21.061	Pass
NVNT	ANT1	1Mbps	2480.00	-1.536	-48.319	-21.536	Pass

1_Reference_Level_NVNT_ANT1_1Mbps_2402



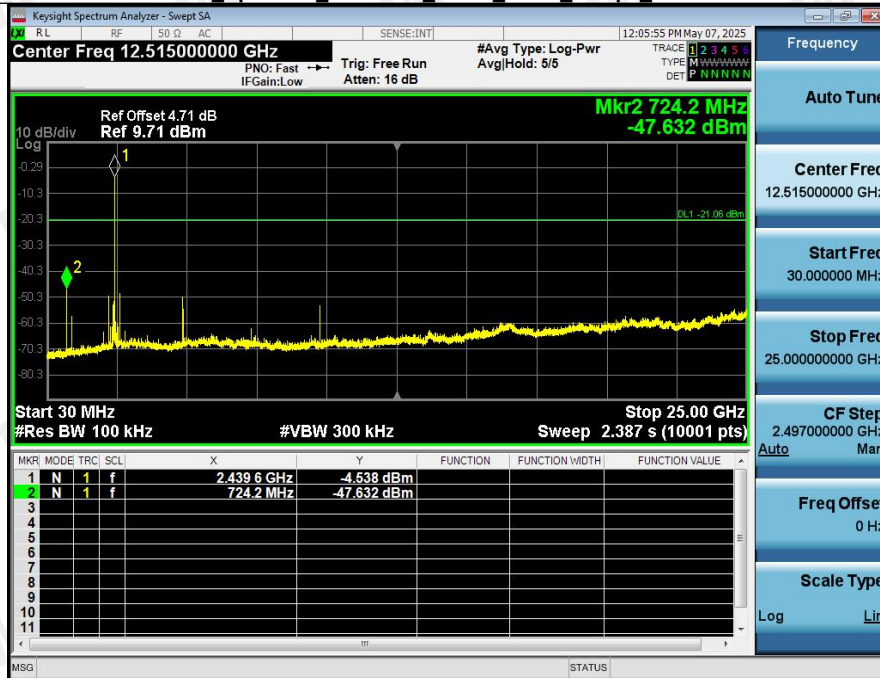
2_Spurious Emission_NVNT_ANT1_1Mbps_2402



1 Reference_Level_NVNT_ANT1_1Mbps_2440



2 Spurious_Emission_NVNT_ANT1_1Mbps_2440



1 Reference_Level_NVNT_ANT1_1Mbps_2480

