

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

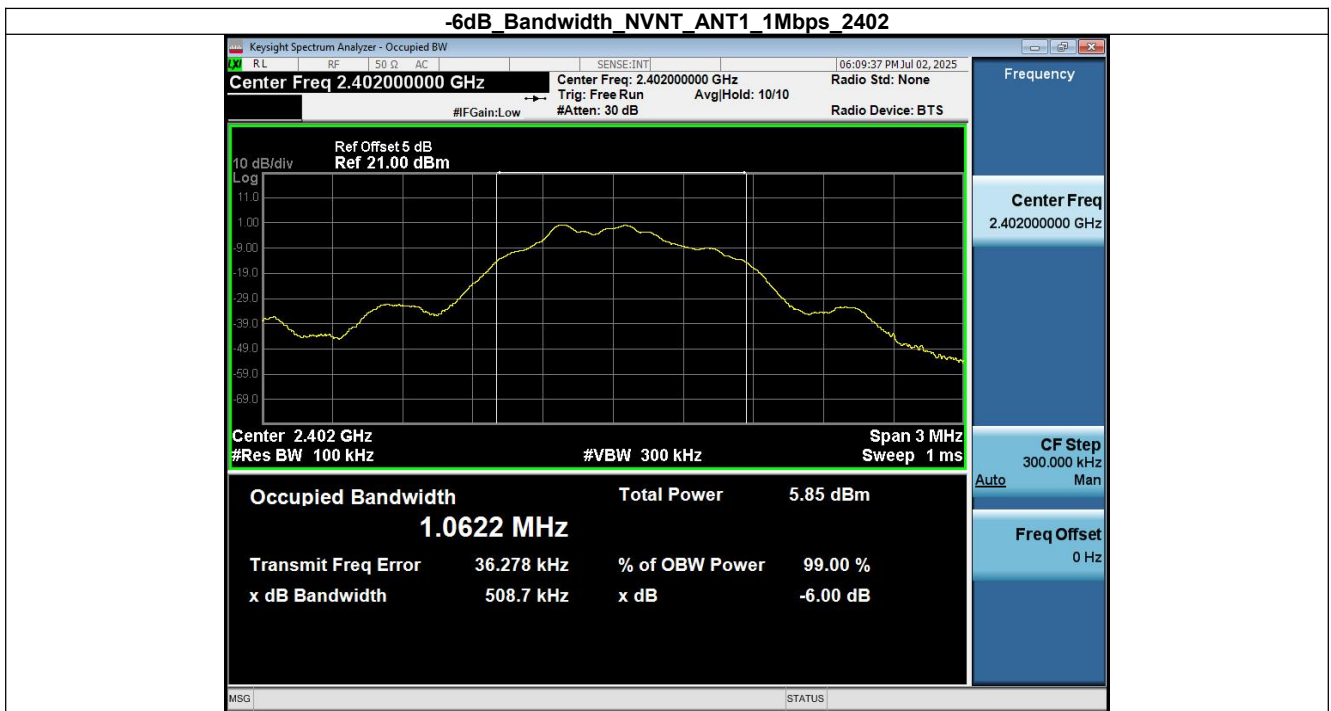
Report No.: NCT25026759XE1-1

FCC ID:2BC96NB-CMA04-0

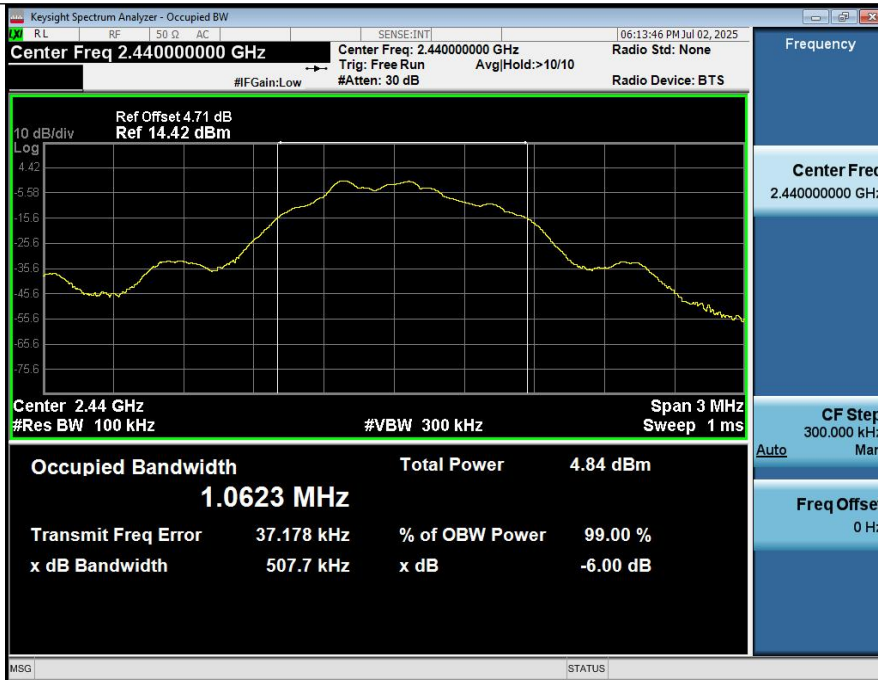
FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	508.73	500	Pass
NVNT	ANT1	1Mbps	2440.00	507.73	500	Pass
NVNT	ANT1	1Mbps	2480.00	506.09	500	Pass



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440

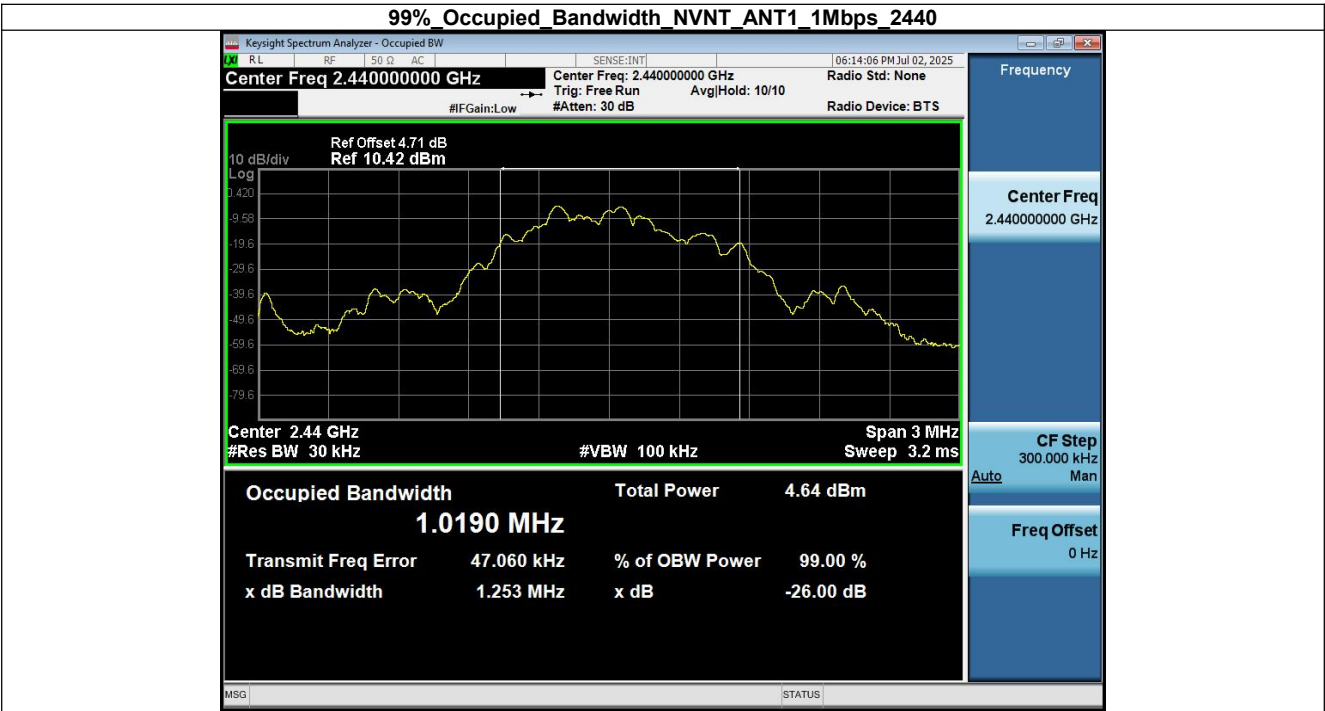


-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



2. 99% Occupied Bandwidth

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

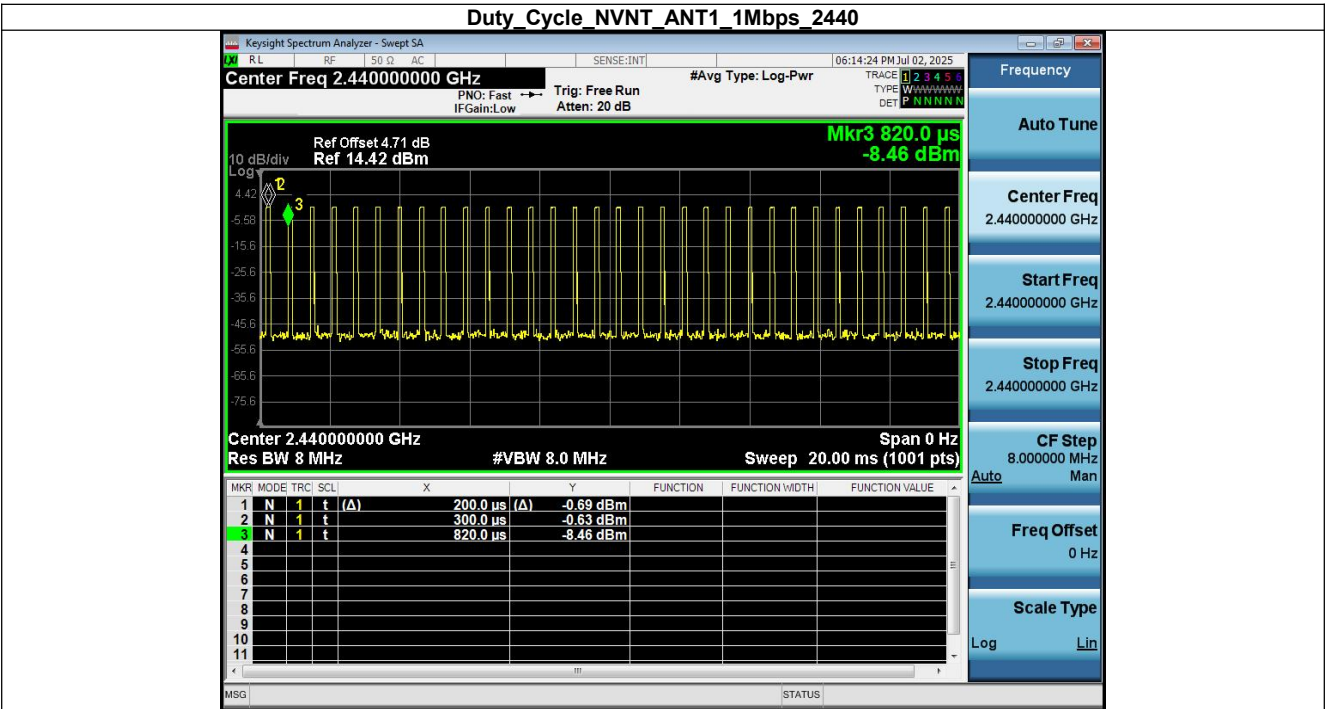
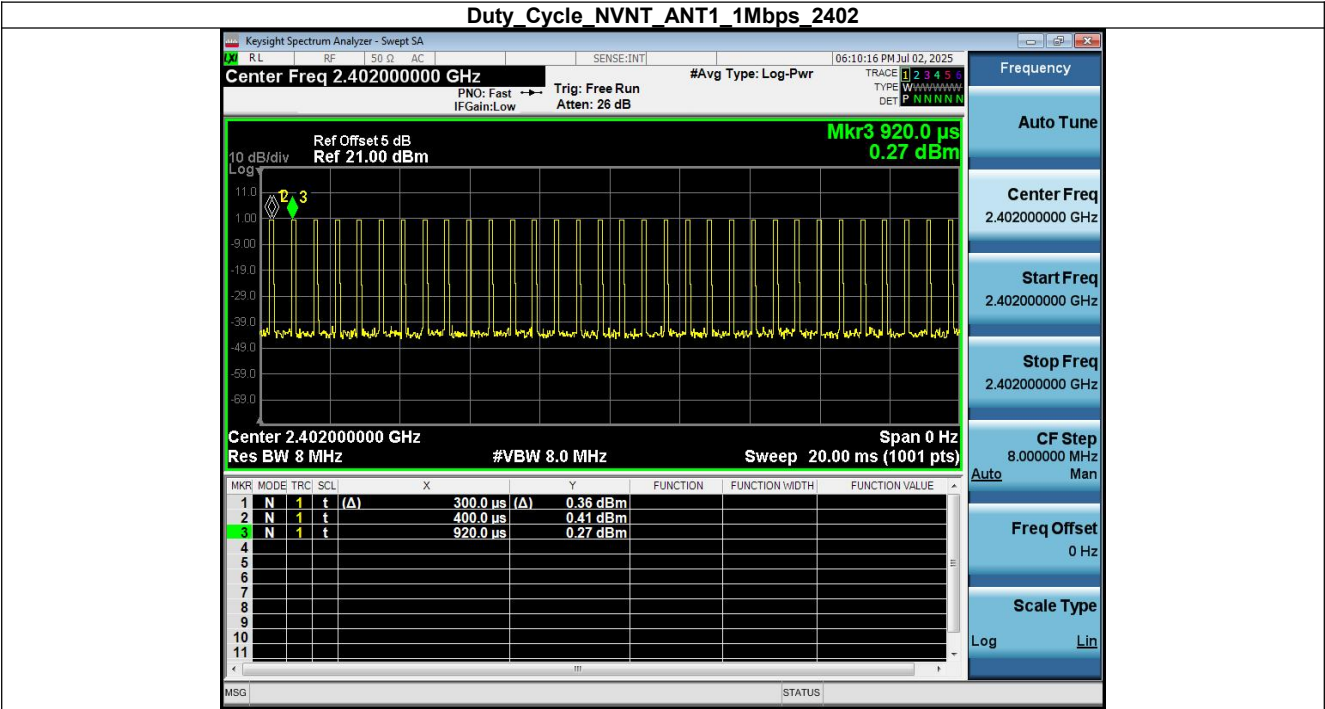


99% Occupied Bandwidth NVNT ANT1 1Mbps 2480

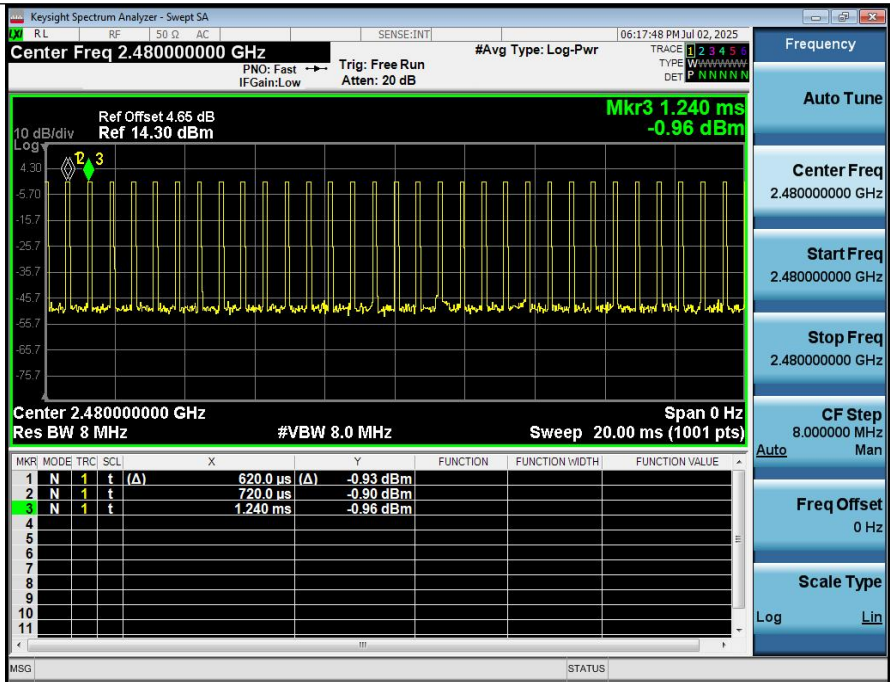


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	16.13	7.92
NVNT	ANT1	1Mbps	2440.00	16.13	7.92
NVNT	ANT1	1Mbps	2480.00	19.35	7.13

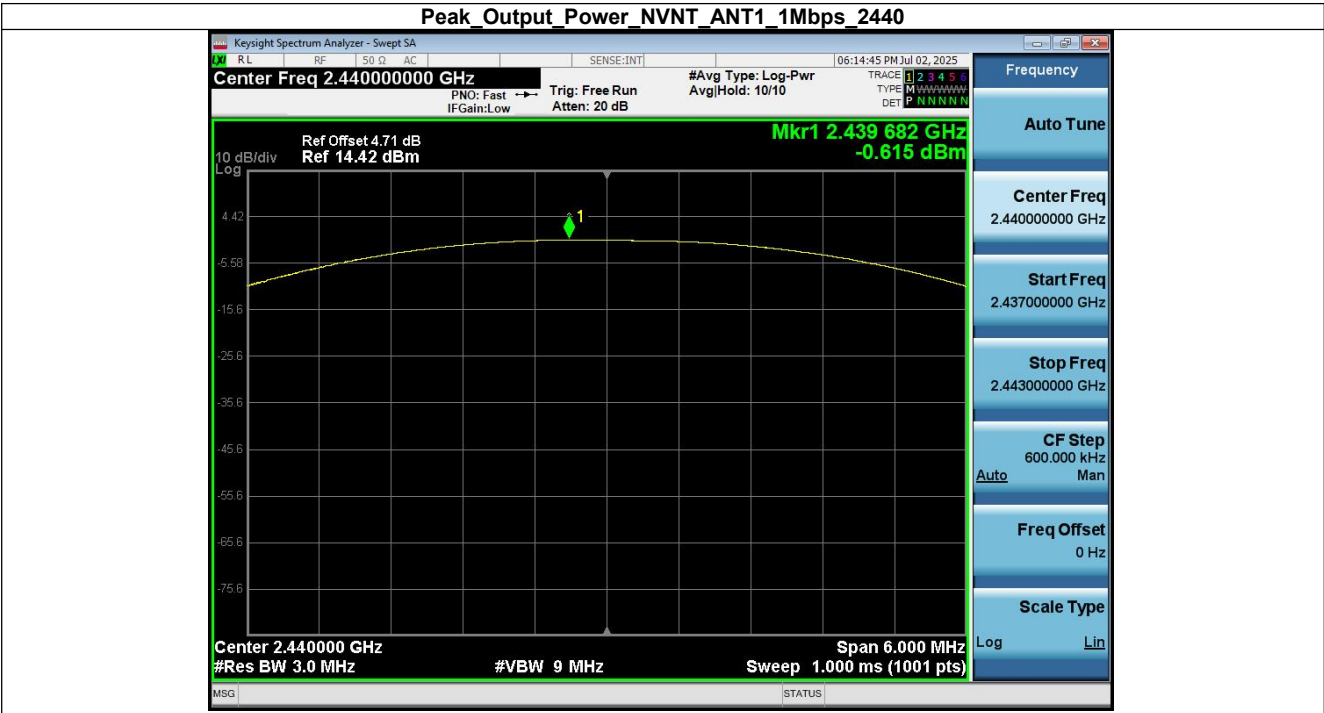


Duty Cycle_NVNT_ANT1_1Mbps_2480



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	0.43	1.10	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.61	0.87	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.89	0.81	1000	Pass

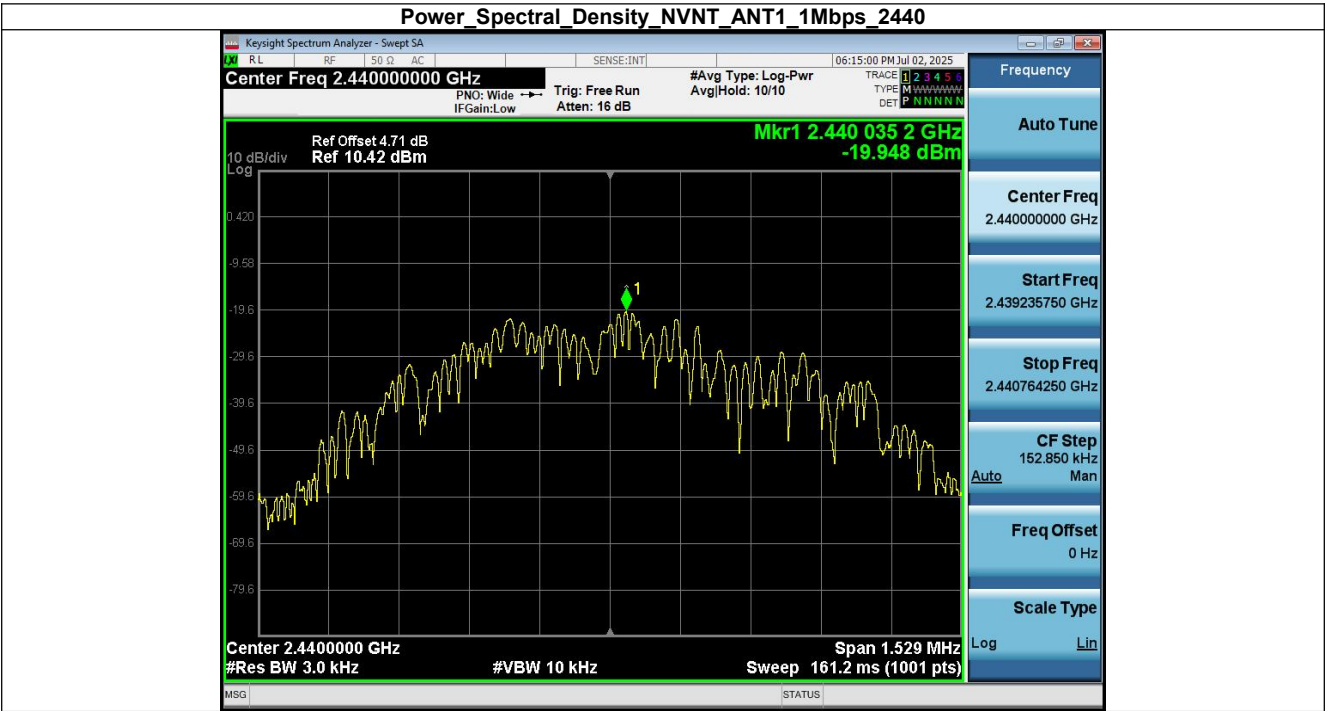


Peak_Output_Power_NVNT_ANT1_1Mbps_2480

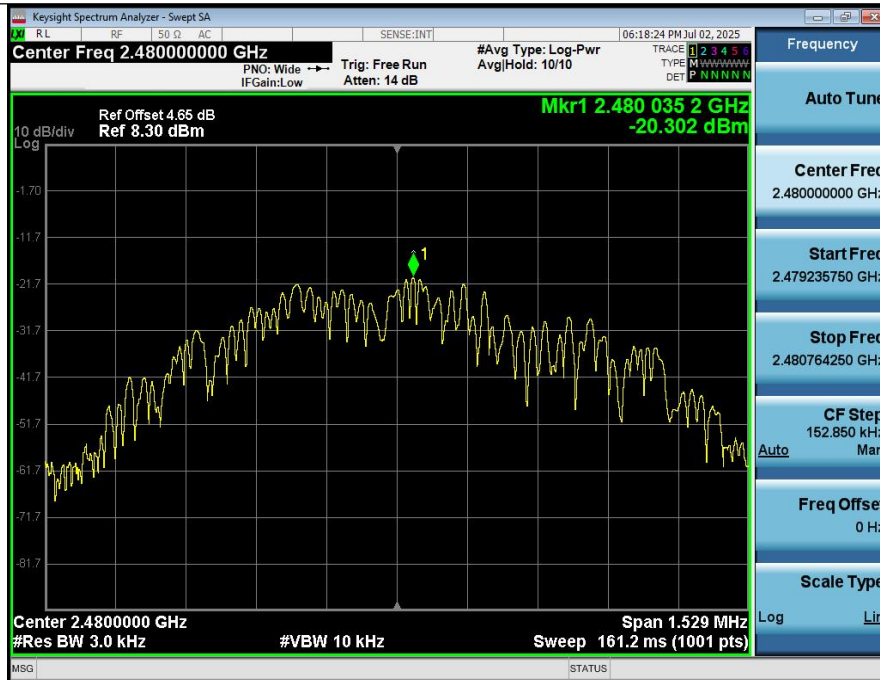


5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-18.62	8	Pass
NVNT	ANT1	1Mbps	2440.00	-19.95	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.30	8	Pass

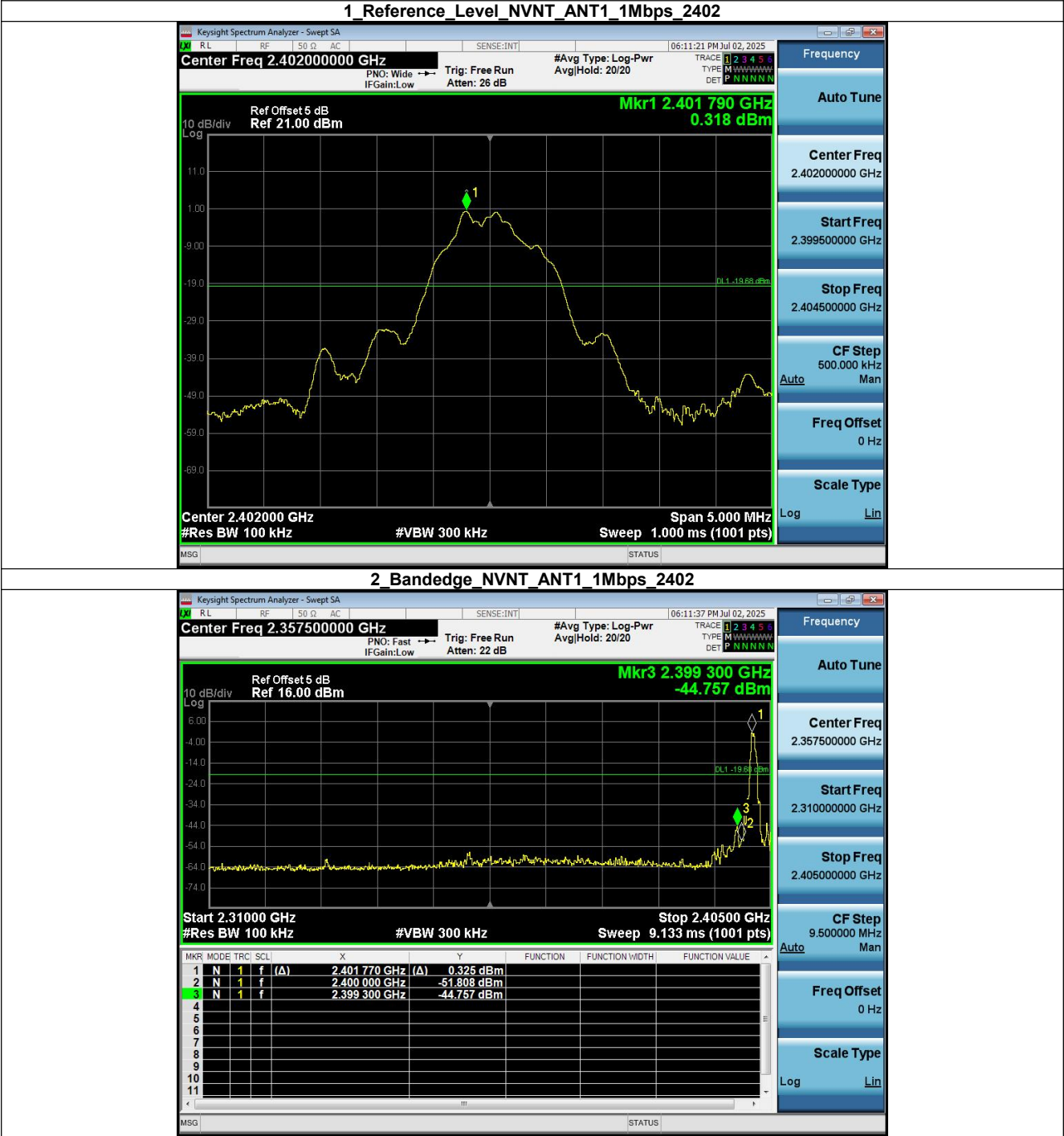


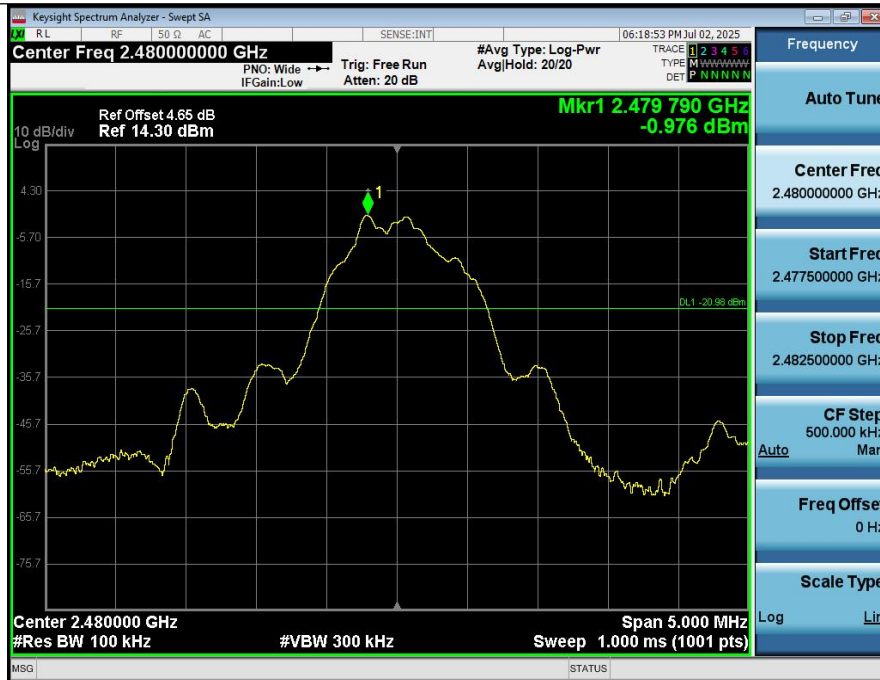
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



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	0.318	-44.757	-19.682	Pass
NVNT	ANT1	1Mbps	2480.00	2483.625	-0.976	-52.318	-20.976	Pass





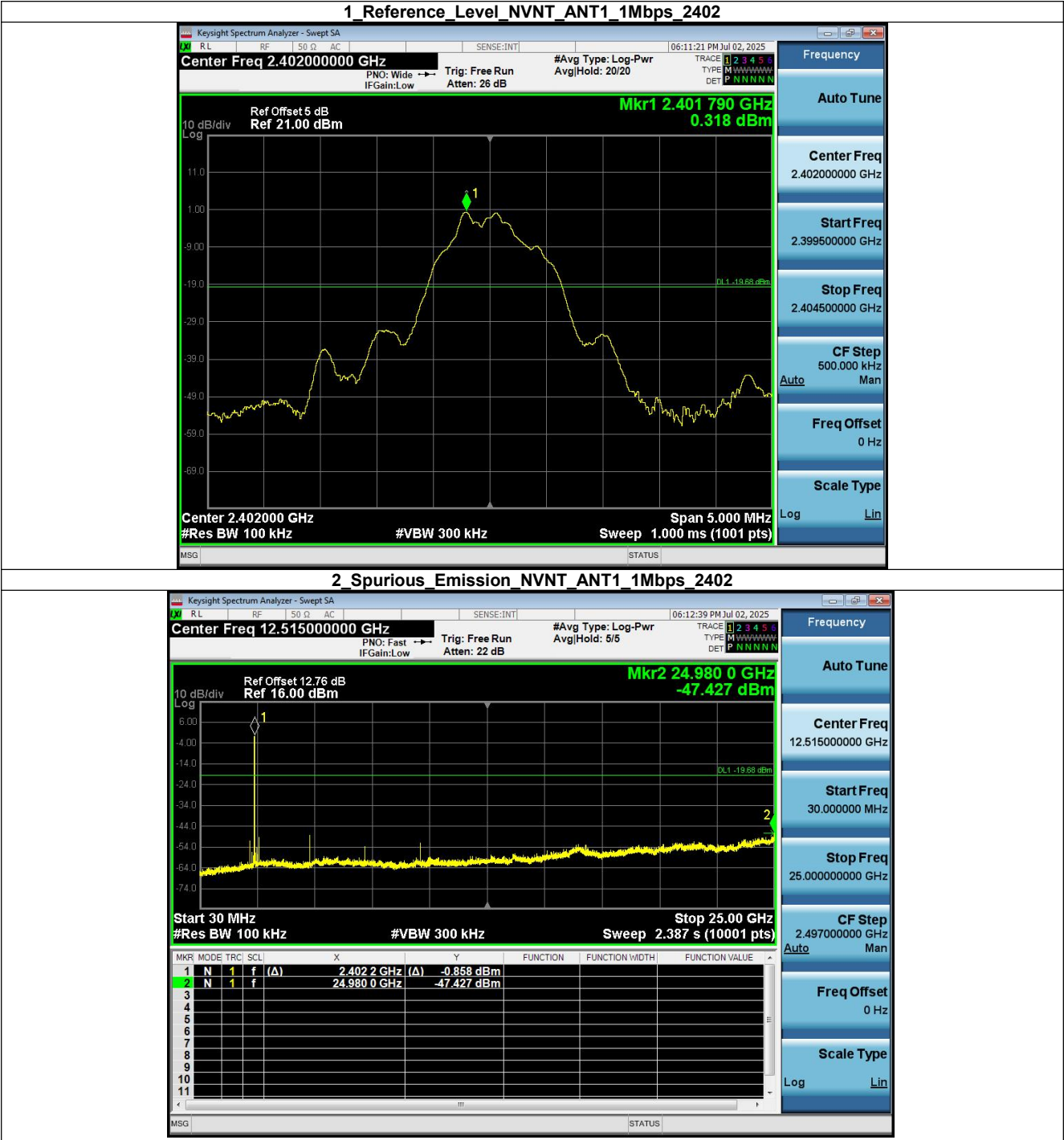
2_Bandedge_NVNT_ANT1_1Mbps_2480



7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	0.318	-47.427	-19.682	Pass
NVNT	ANT1	1Mbps	2440.00	-0.705	-47.292	-20.705	Pass
NVNT	ANT1	1Mbps	2480.00	-0.976	-46.710	-20.976	Pass

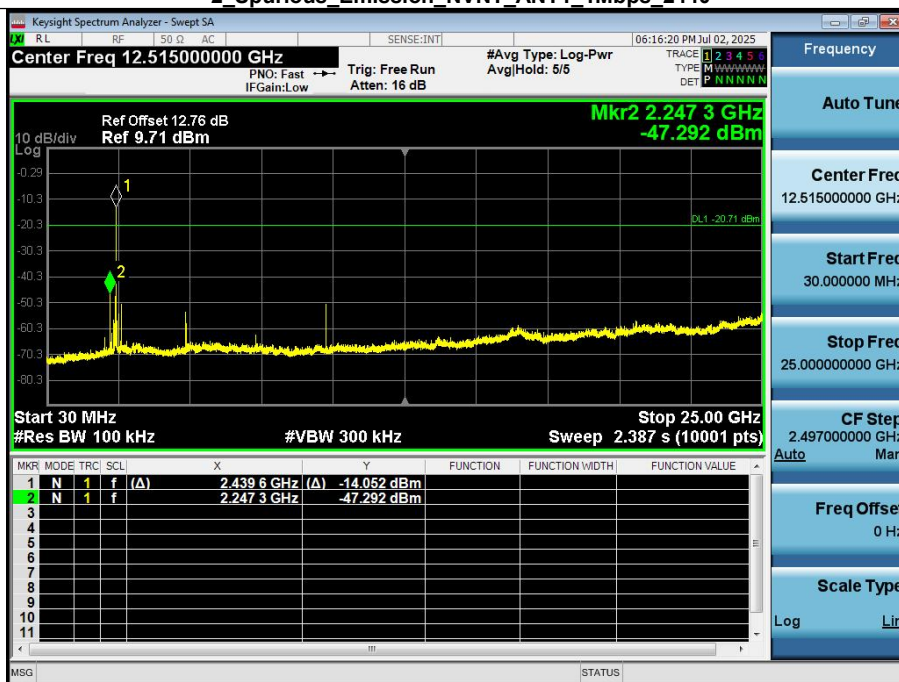
Note:The test diagram has integrated cable loss to Offset Settings. The cable loss is compensated in the test data.



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

