

Report No.: NCT25035814E1-1
FCC ID:2BR65-G27F
FCC_BLE (Part15.247) Test Data

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

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	704.33	500	Pass
NVNT	ANT1	1Mbps	2440.00	701.90	500	Pass
NVNT	ANT1	1Mbps	2480.00	708.26	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	2402.00	1.023
NVNT	ANT1	1Mbps	2440.00	1.024
NVNT	ANT1	1Mbps	2480.00	1.025

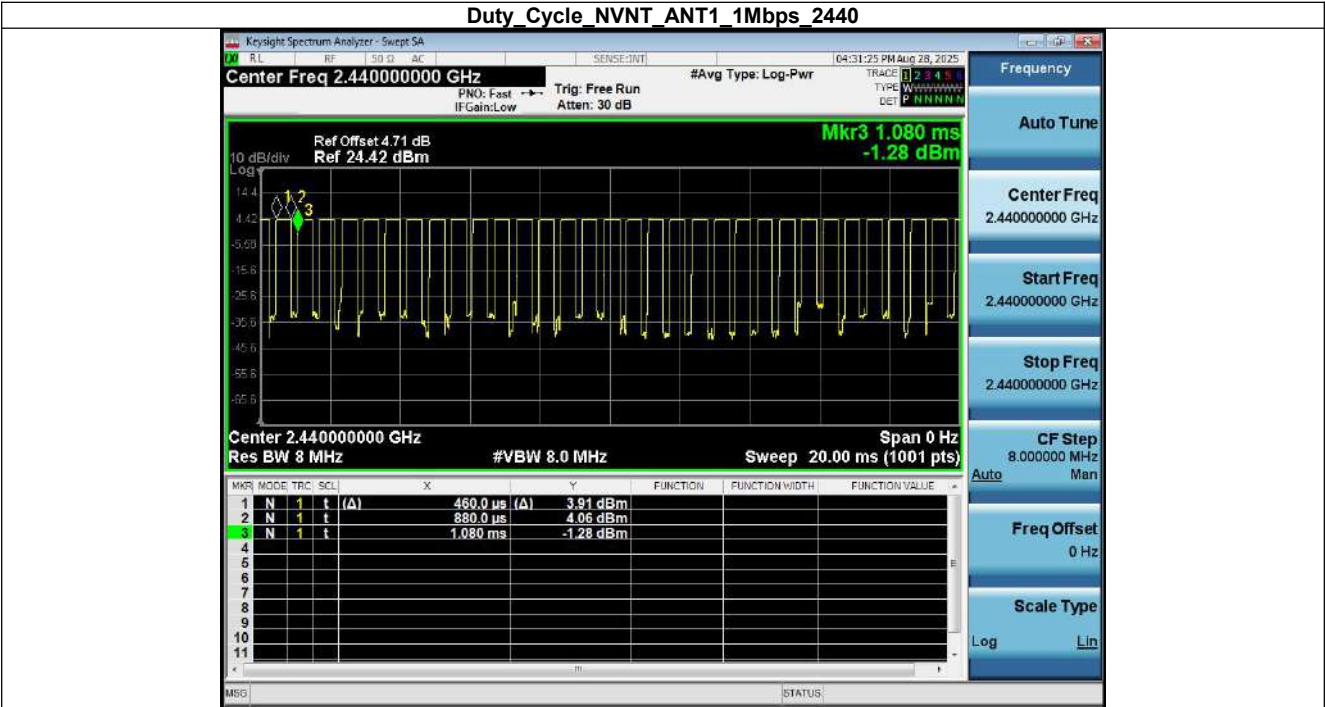
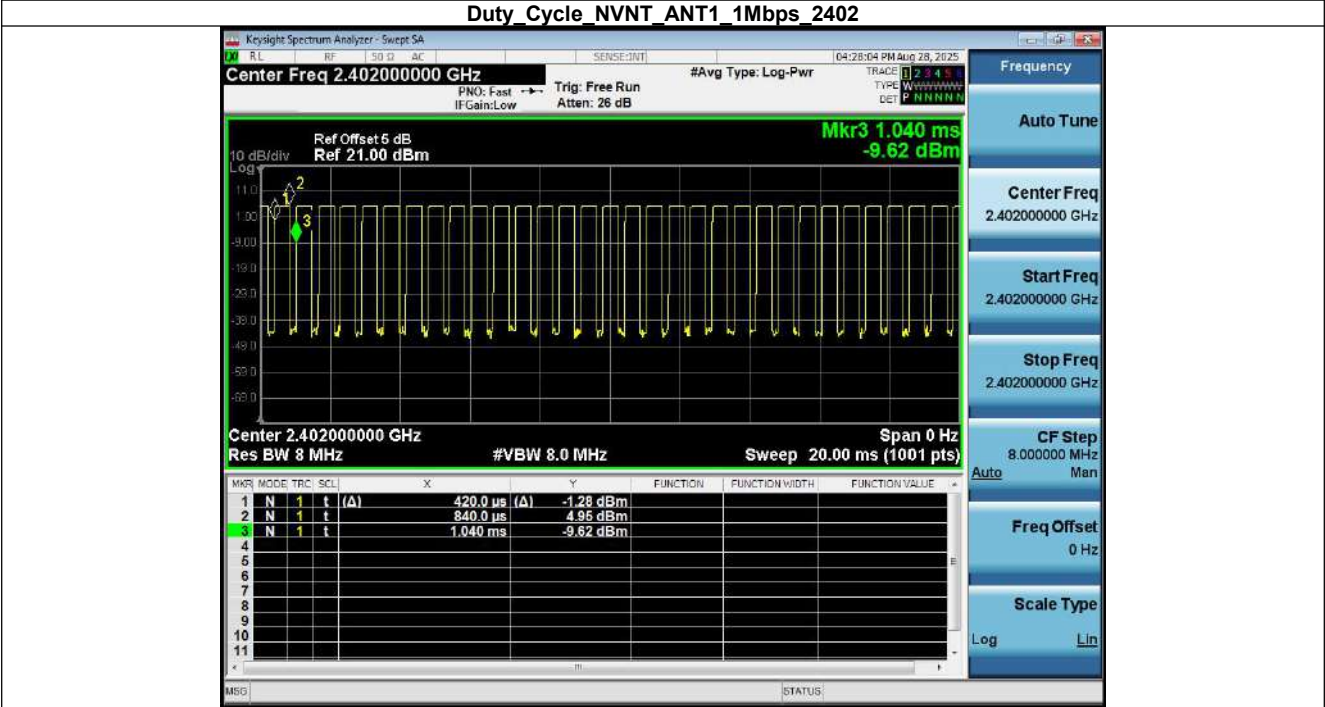


99% Occupied Bandwidth NVNT ANT1 1Mbps 2480

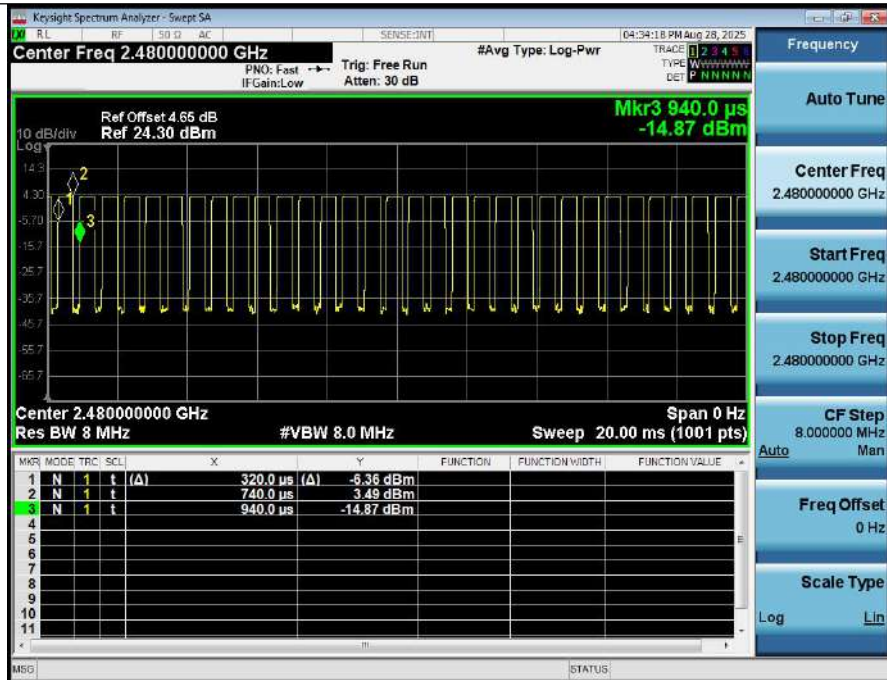


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	70.97	1.49
NVNT	ANT1	1Mbps	2440.00	70.97	1.49
NVNT	ANT1	1Mbps	2480.00	70.97	1.49



Duty Cycle NVNT_ANT1_1Mbps_2480

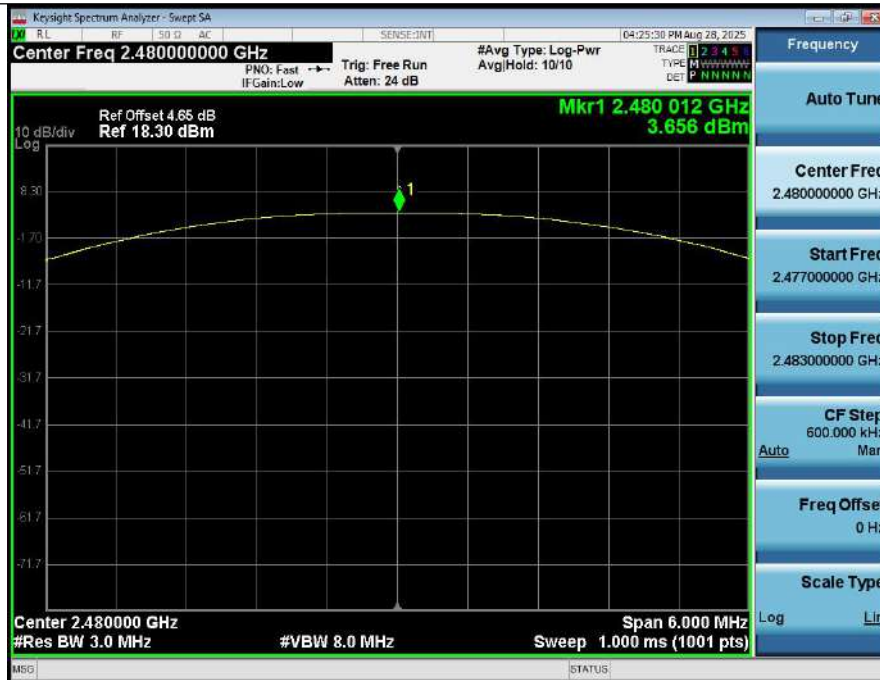


4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	5.03	3.19	1000	Pass
NVNT	ANT1	1Mbps	2440.00	4.16	2.61	1000	Pass
NVNT	ANT1	1Mbps	2480.00	3.66	2.32	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	-9.95	8	Pass
NVNT	ANT1	1Mbps	2440.00	-10.95	8	Pass
NVNT	ANT1	1Mbps	2480.00	-11.40	8	Pass

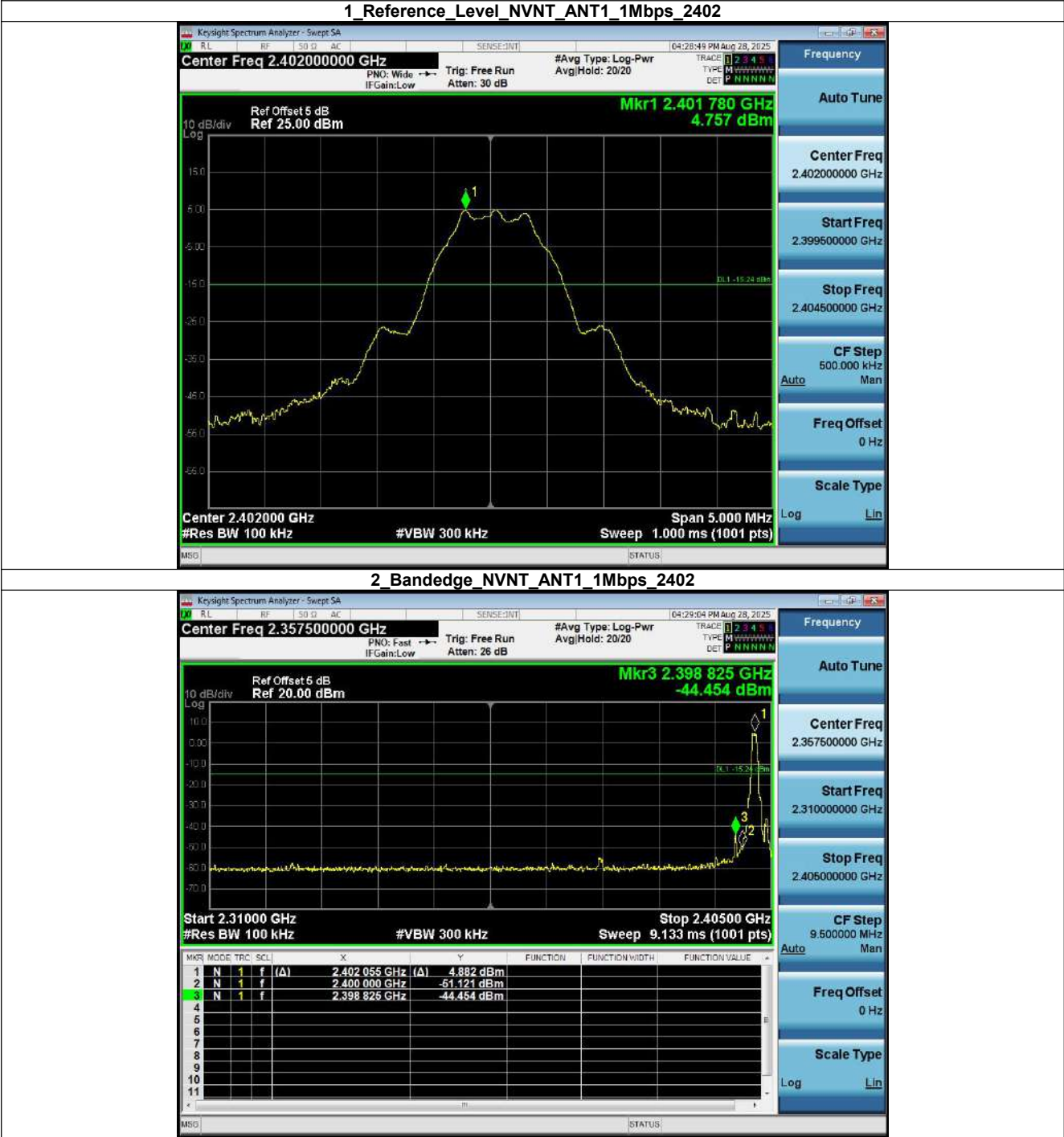


Power_Spectral_Density_NVNT_ANT1_1Mbps_2480

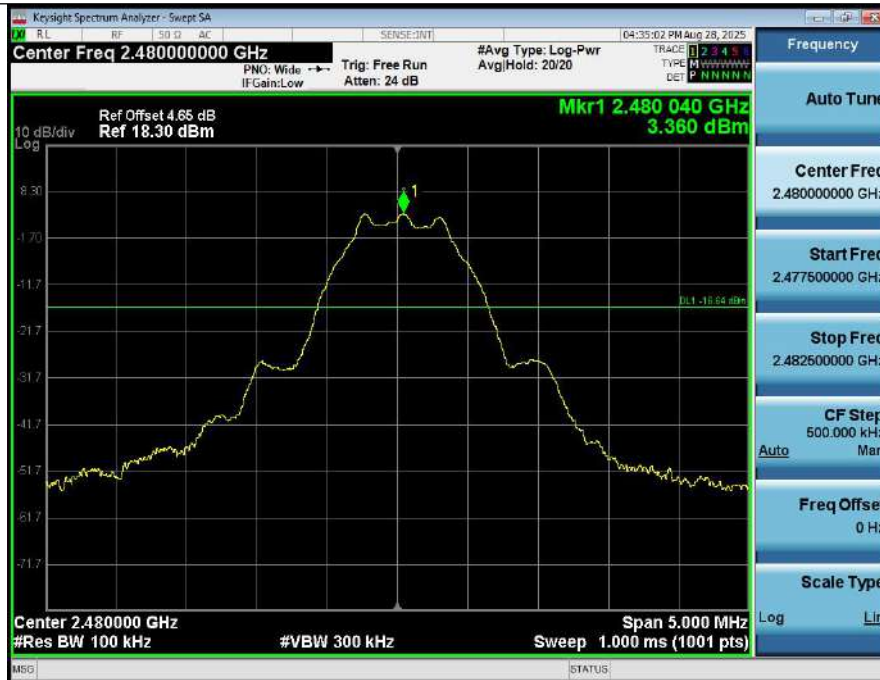


6. Bandedge

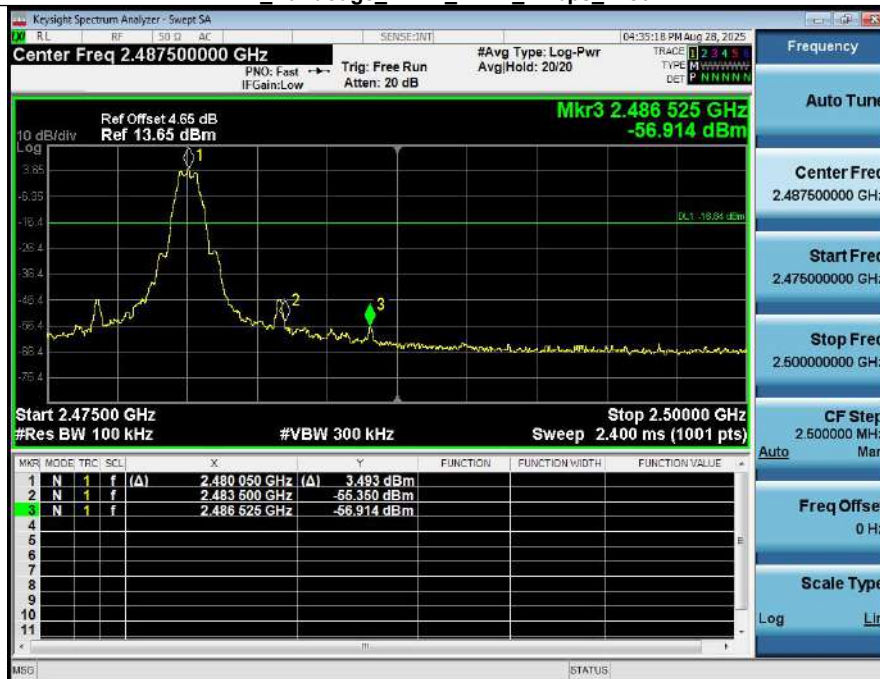
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2398.825	4.757	-44.454	-15.243	Pass
NVNT	ANT1	1Mbps	2480.00	2486.525	3.360	-56.914	-16.640	Pass



1_Reference_Level_NVNT_ANT1_1Mbps_2480

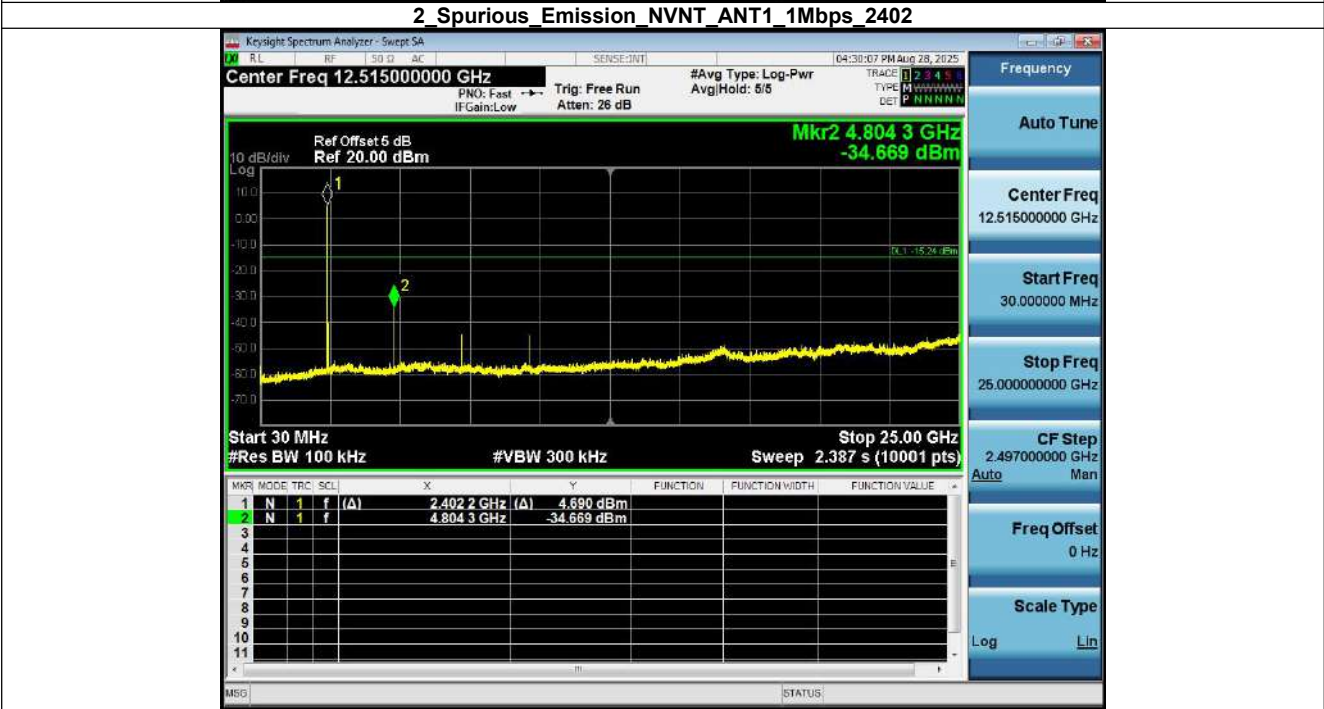


2_Bandedge_NVNT_ANT1_1Mbps_2480

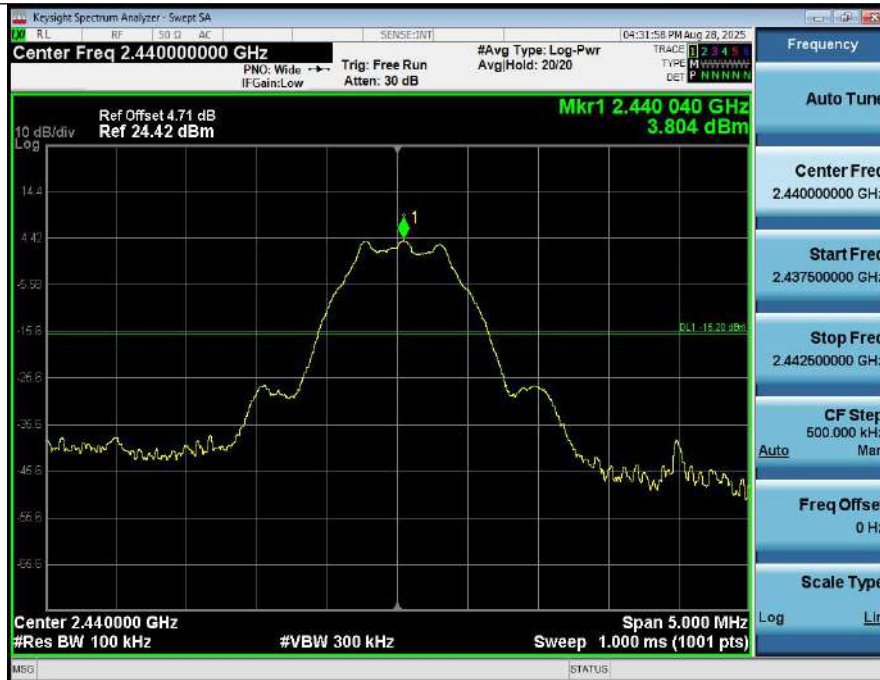


7. Spurious Emission

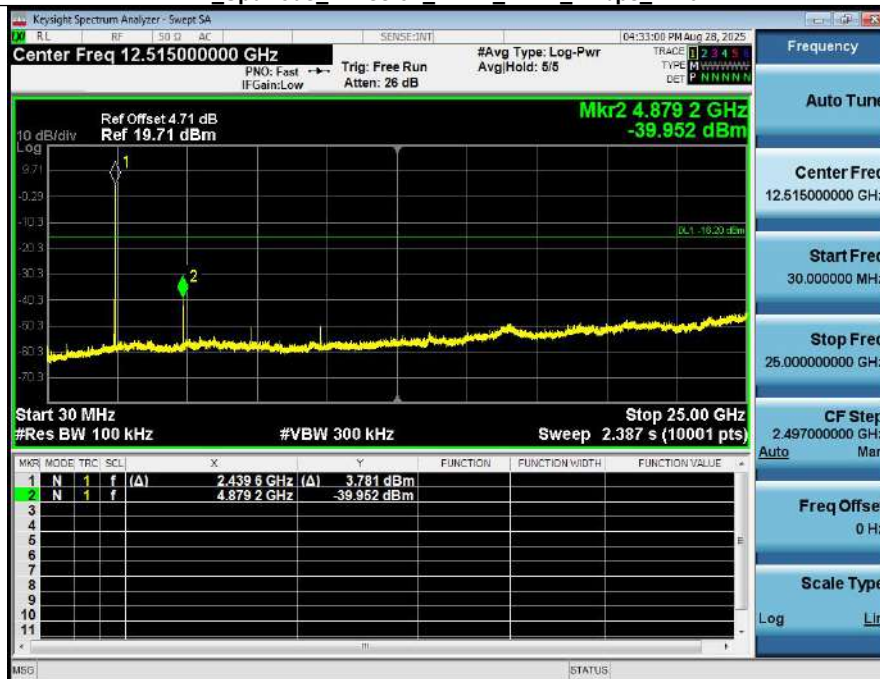
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	4.757	-34.669	-15.243	Pass
NVNT	ANT1	1Mbps	2440.00	3.804	-39.952	-16.196	Pass
NVNT	ANT1	1Mbps	2480.00	3.360	-41.750	-16.640	Pass



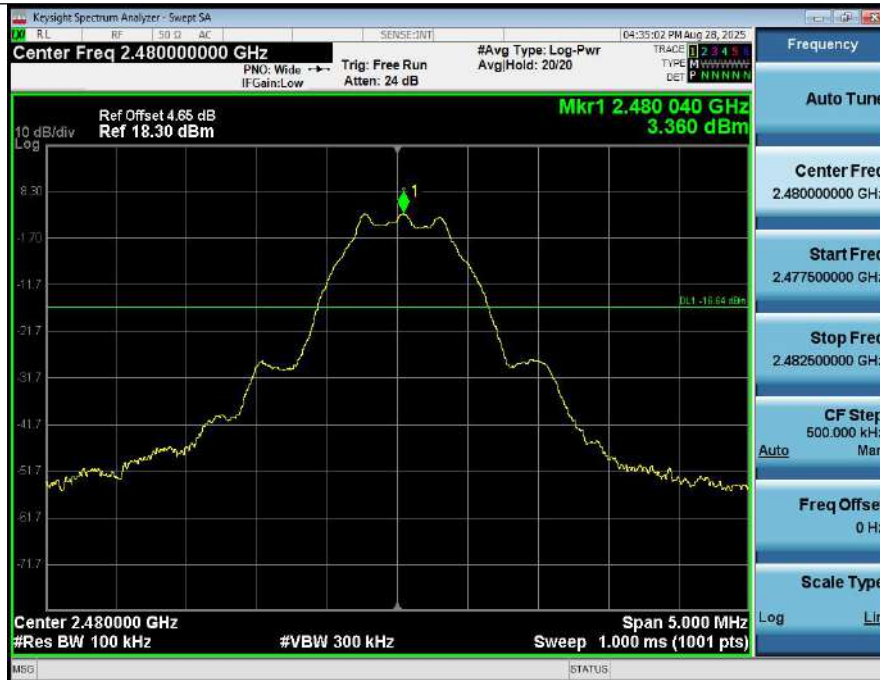
1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480

