

FCC ID:2BR8K-AIRNATUX01

FCC_BLE (Part15.247) Test Data

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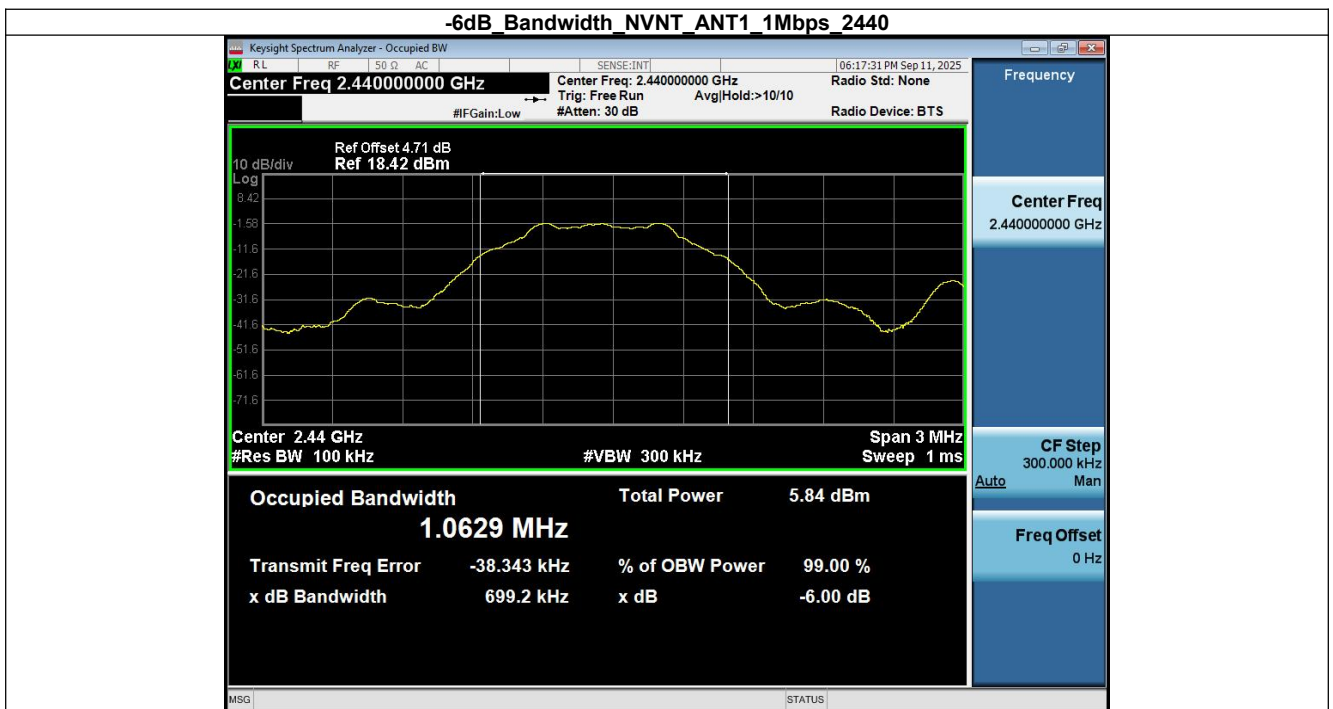
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FCC ID BLE

FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

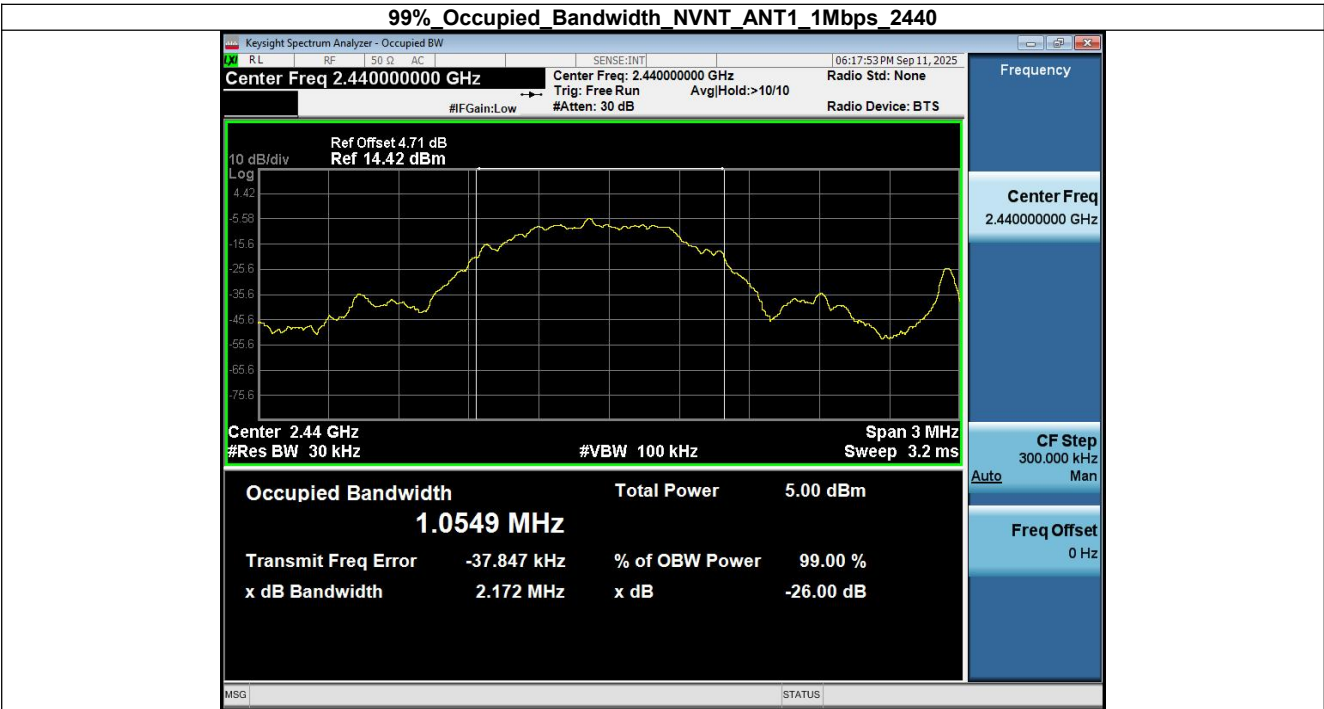
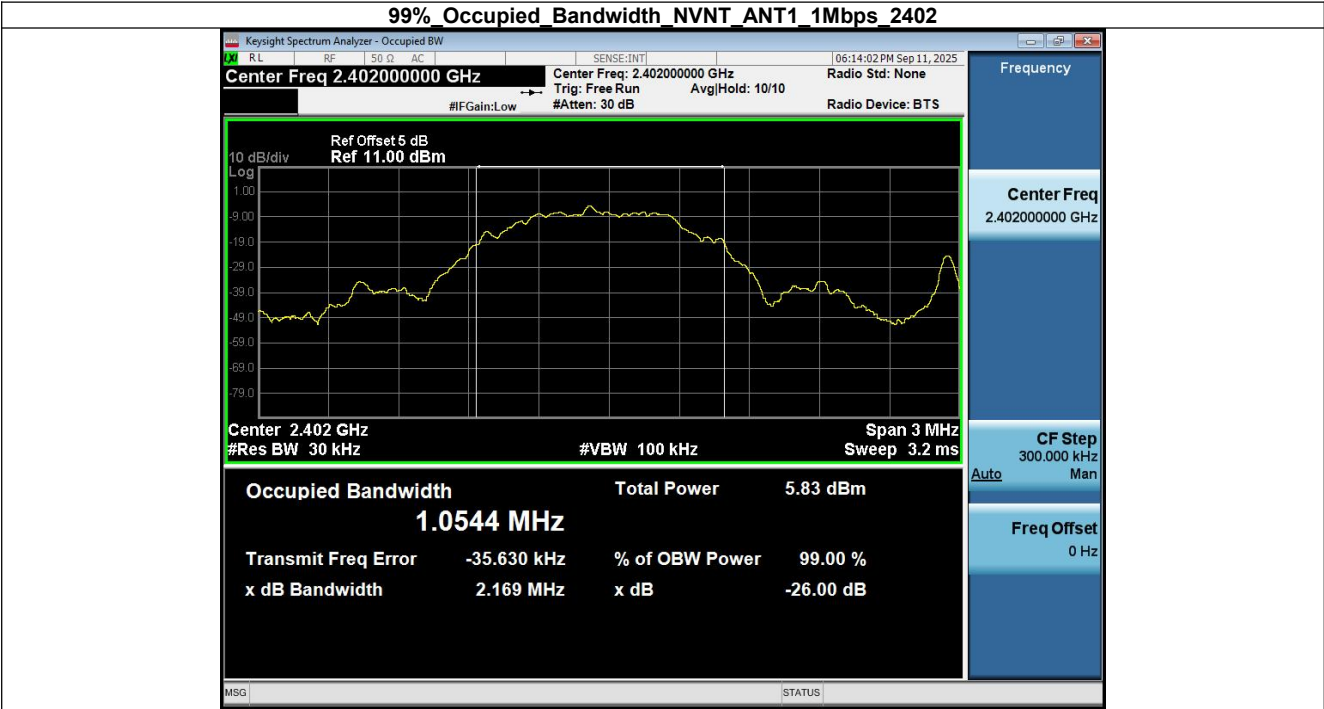
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	696.71	500	Pass
NVNT	ANT1	1Mbps	2440.00	699.20	500	Pass
NVNT	ANT1	1Mbps	2480.00	704.60	500	Pass





2. 99% Occupied Bandwidth

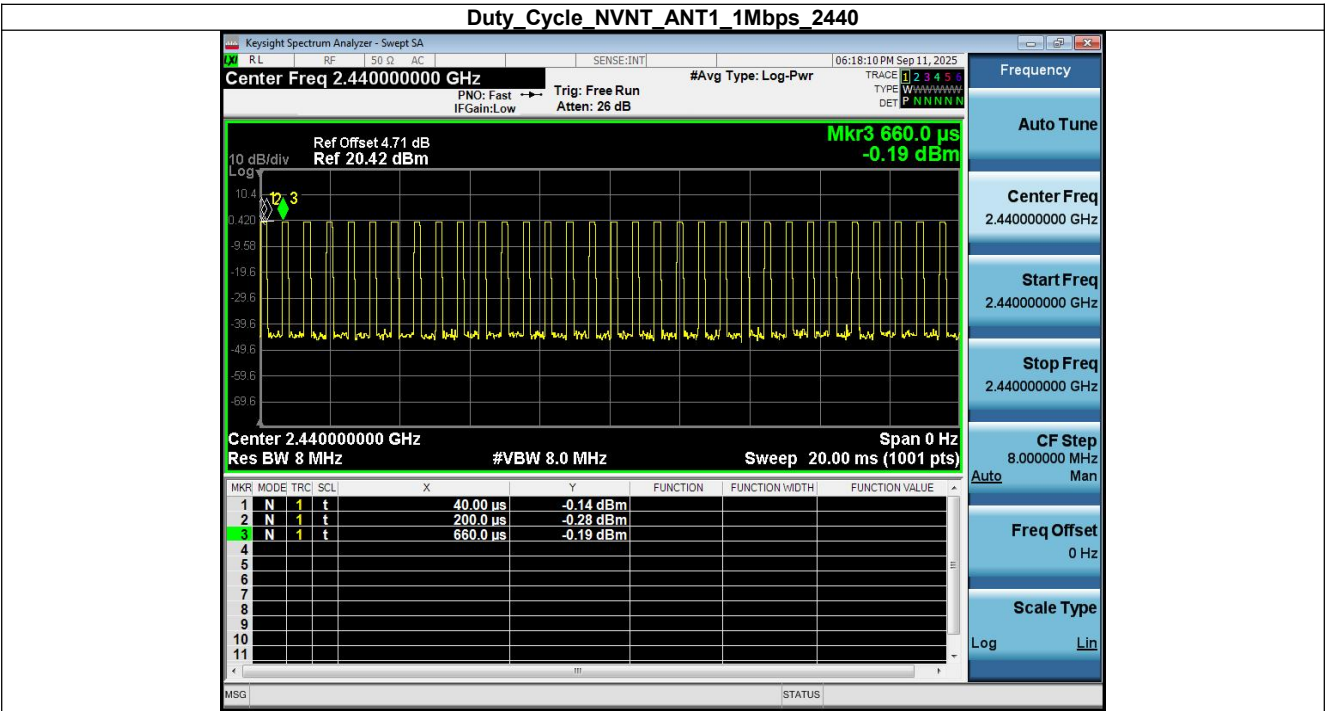
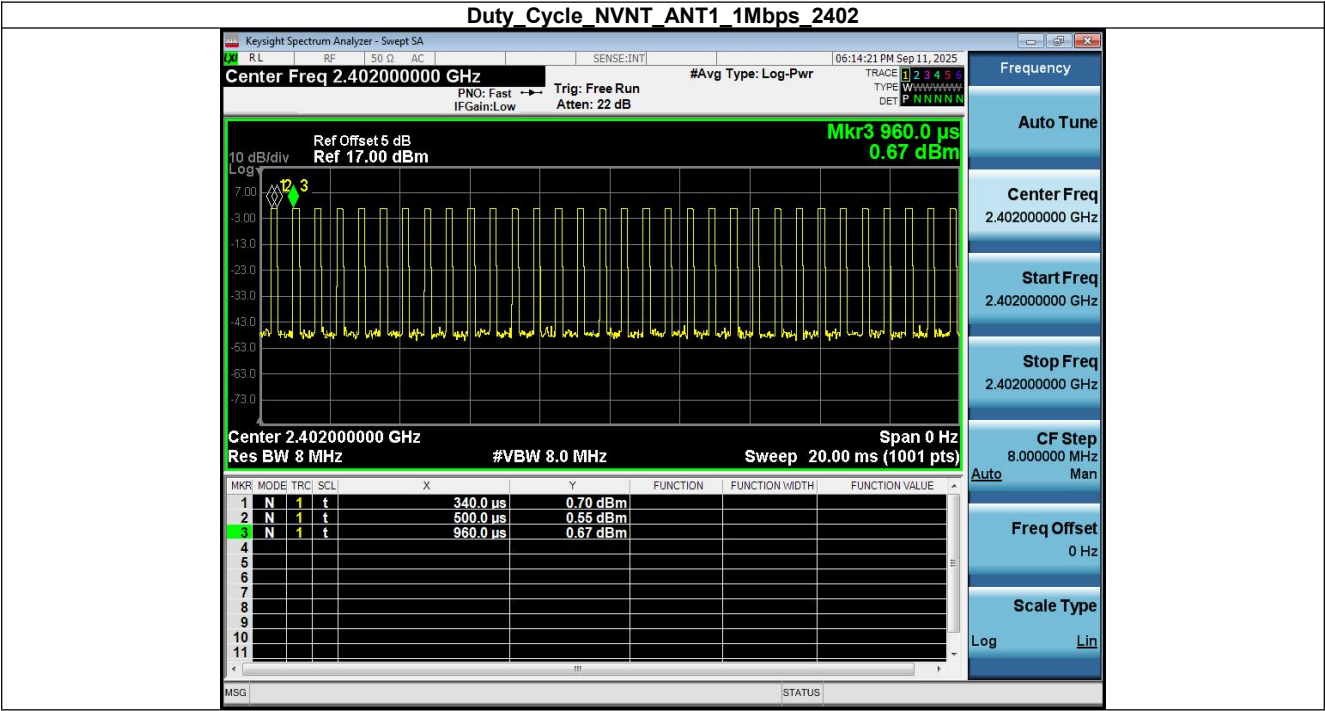
Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.054
NVNT	ANT1	1Mbps	2440.00	1.055
NVNT	ANT1	1Mbps	2480.00	1.056



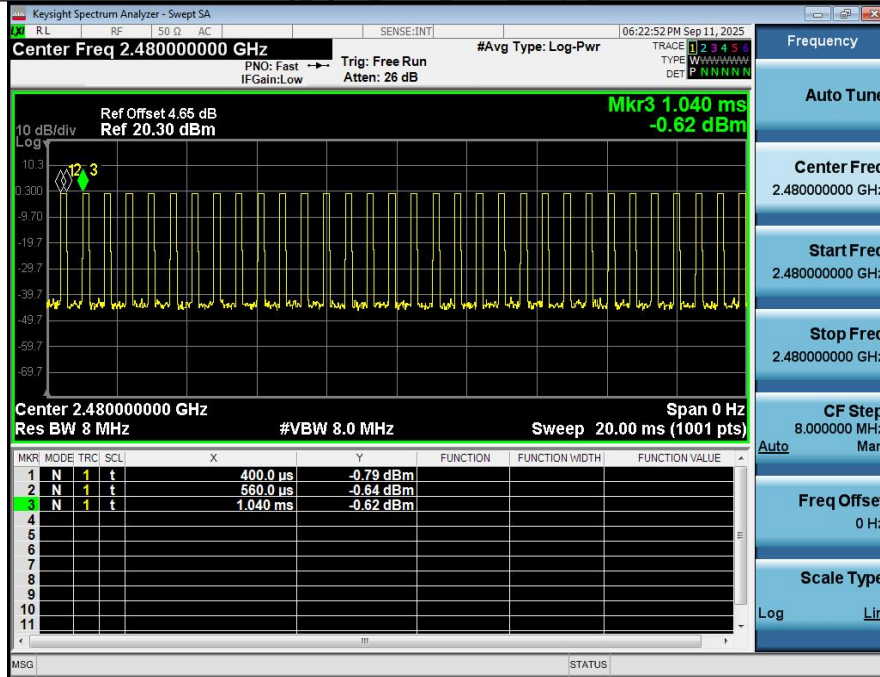


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	25.81	5.88
NVNT	ANT1	1Mbps	2440.00	25.81	5.88
NVNT	ANT1	1Mbps	2480.00	25.00	6.02



Duty Cycle NVNT_ANT1_1Mbps_2480

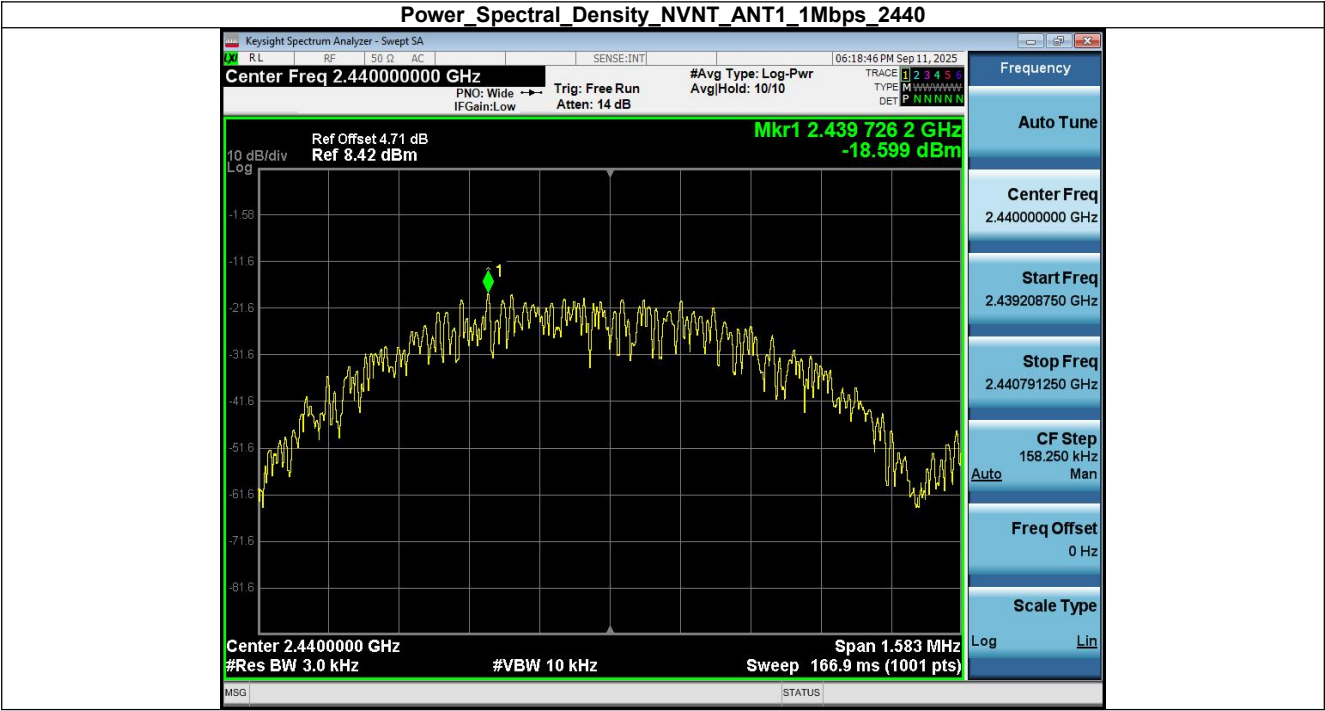


4. Peak Output Power

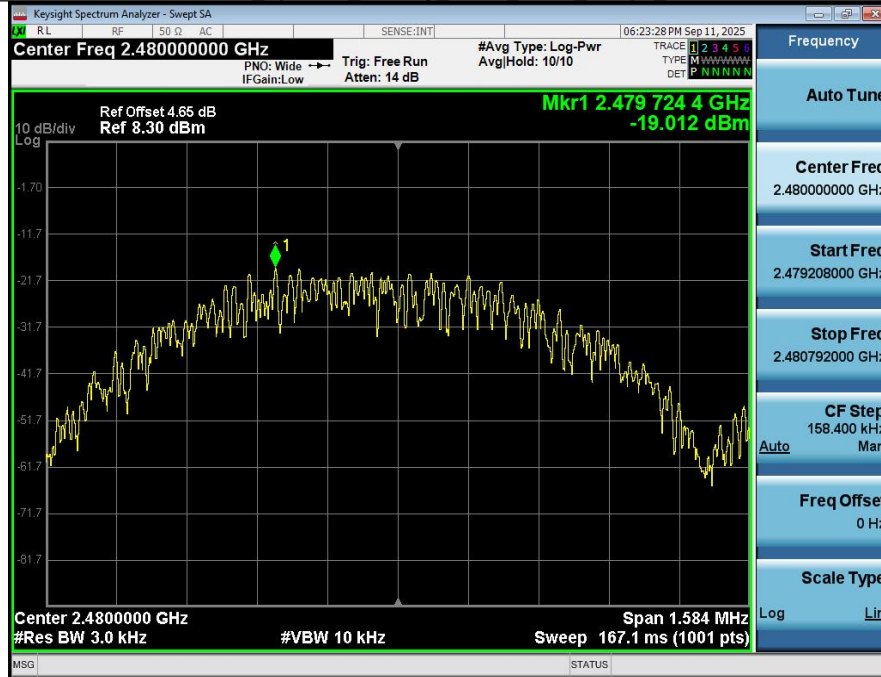
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	0.67	1.17	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.21	0.95	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.71	0.85	1000	Pass

5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-17.74	8	Pass
NVNT	ANT1	1Mbps	2440.00	-18.60	8	Pass
NVNT	ANT1	1Mbps	2480.00	-19.01	8	Pass

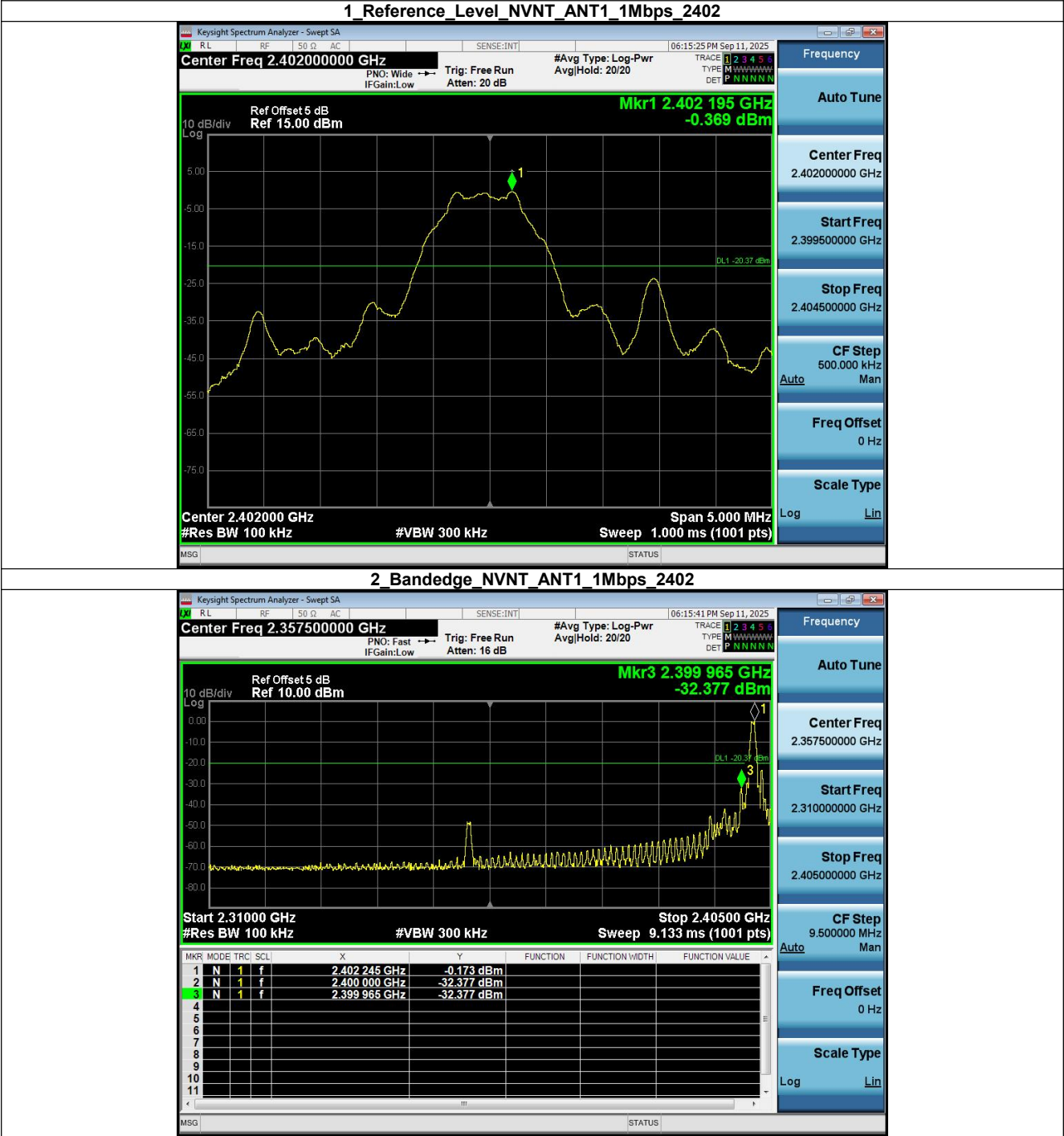


Power Spectral Density NVNT ANT1 1Mbps 2480



6. Bandedge

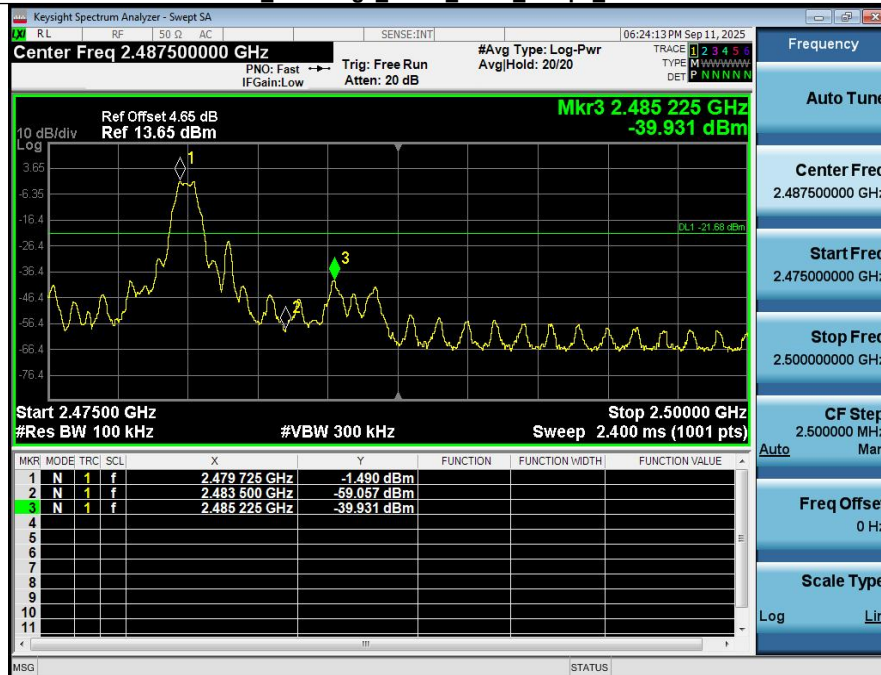
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-0.369	-32.377	-20.369	Pass
NVNT	ANT1	1Mbps	2480.00	2485.225	-1.675	-39.931	-21.675	Pass



1 Reference_Level_NVNT_ANT1_1Mbps_2480

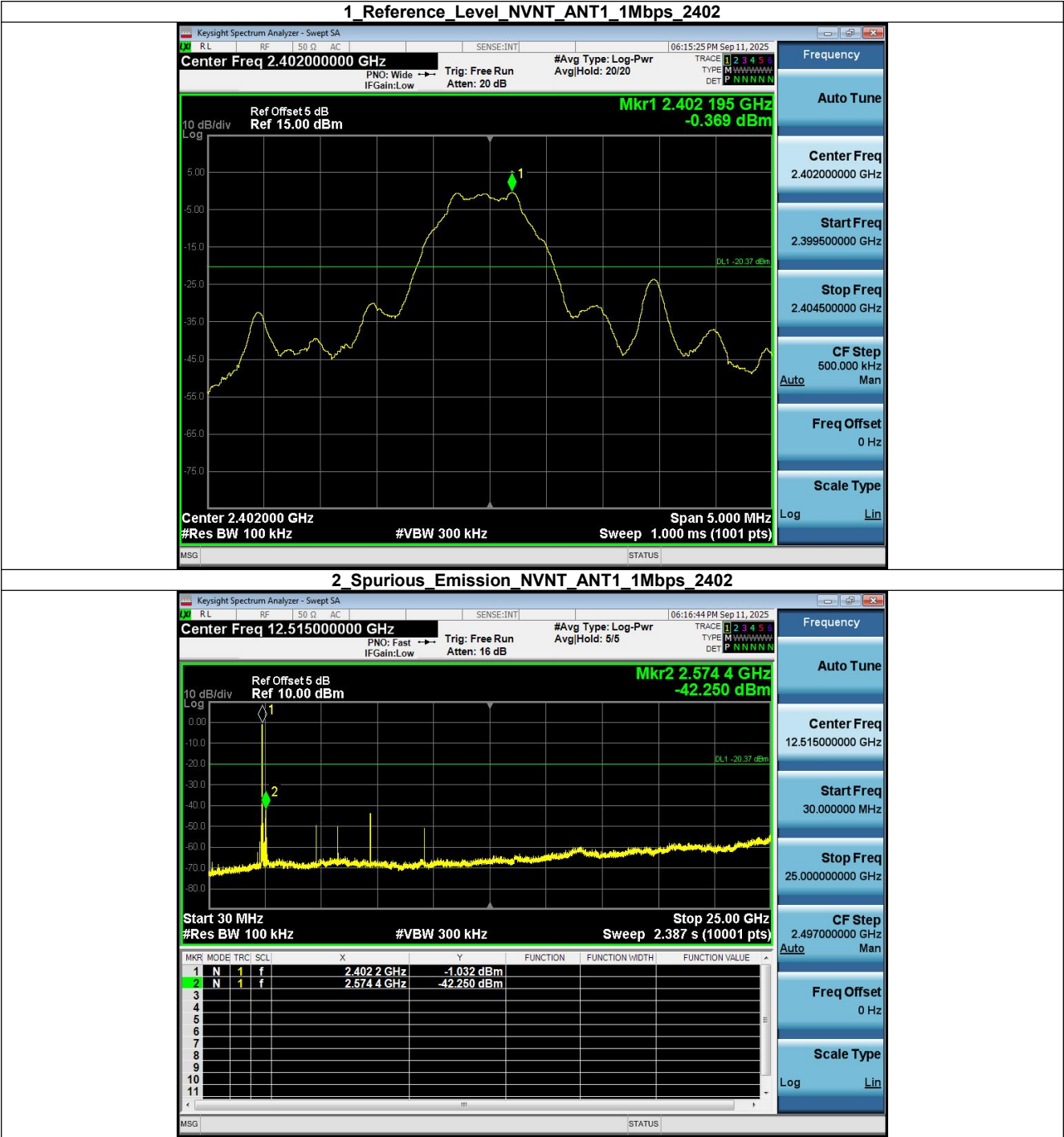


2 Bandedge_NVNT_ANT1_1Mbps_2480



7. Spurious Emission

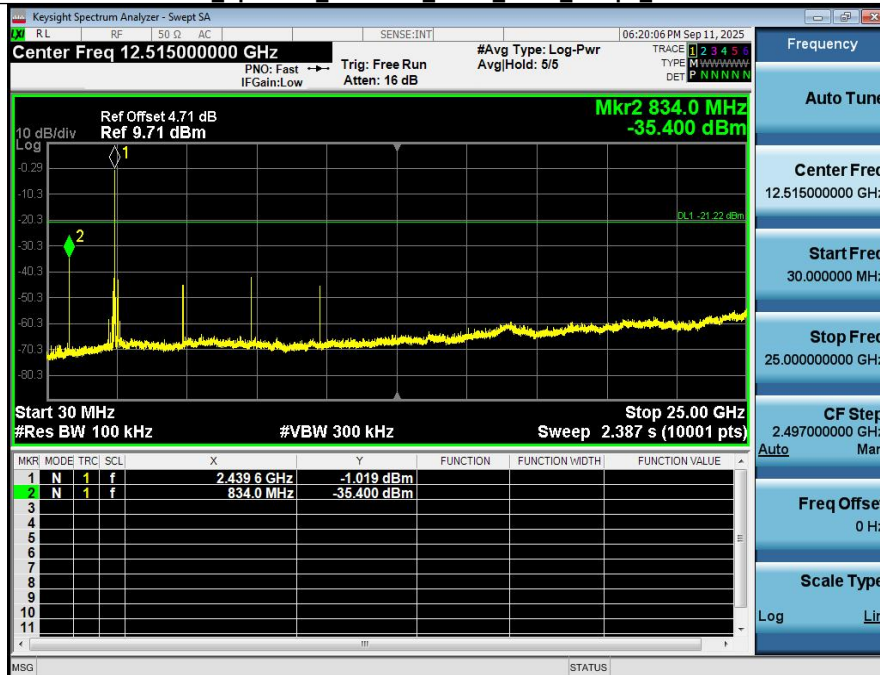
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.369	-42.250	-20.369	Pass
NVNT	ANT1	1Mbps	2440.00	-1.215	-35.400	-21.215	Pass
NVNT	ANT1	1Mbps	2480.00	-1.675	-40.223	-21.675	Pass



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

