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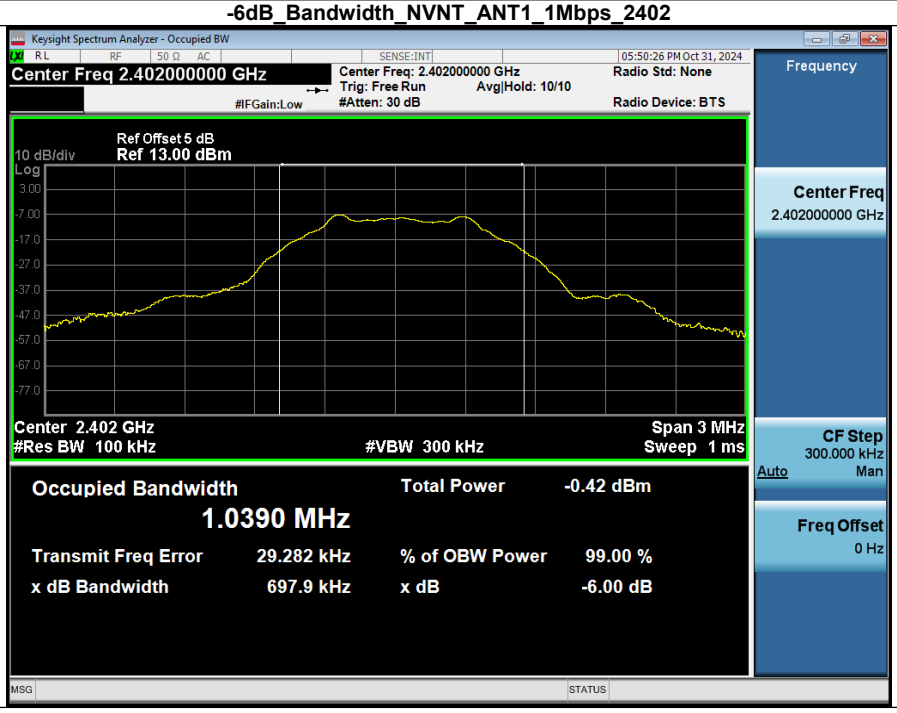
Applicant's name:Shenzhen Distar Technology Co., Ltd.
Model Name:F56, CH10, CH06, CH08, CH11, CH12, CH13, CH15, CH16, CH17, CH18, CH19, CH20
FCC ID:2BKLC-F56
FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

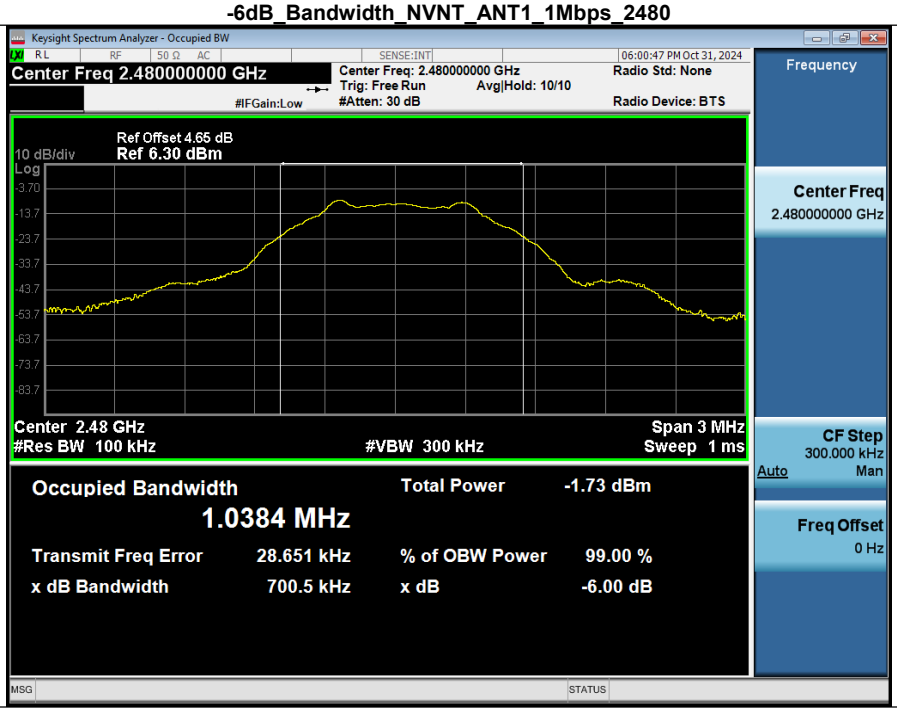
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	697.88	500	Pass
NVNT	ANT1	1Mbps	2440.00	698.82	500	Pass
NVNT	ANT1	1Mbps	2480.00	700.45	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440

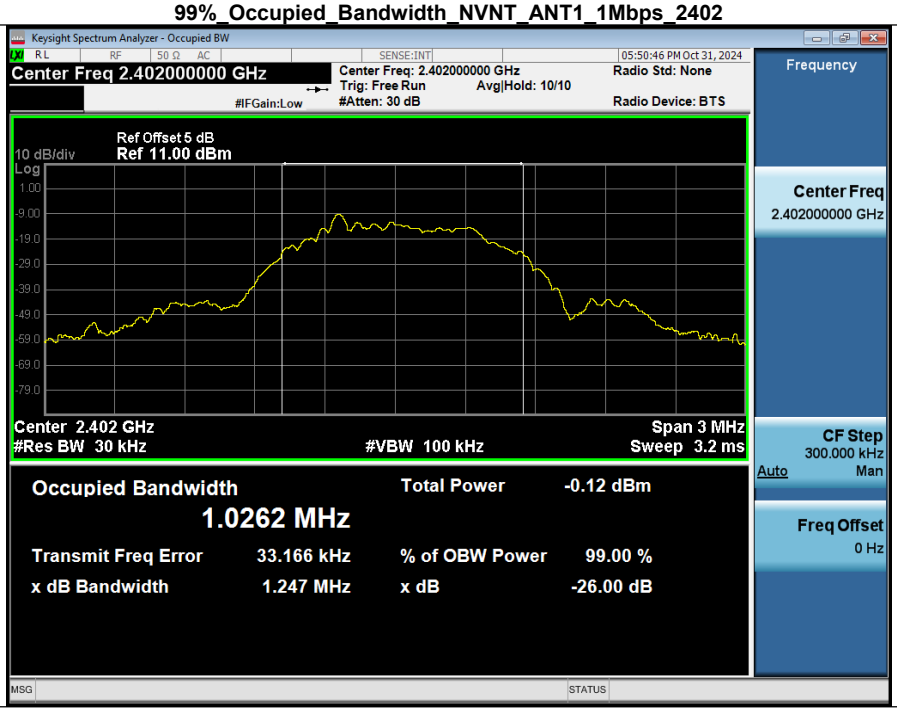
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



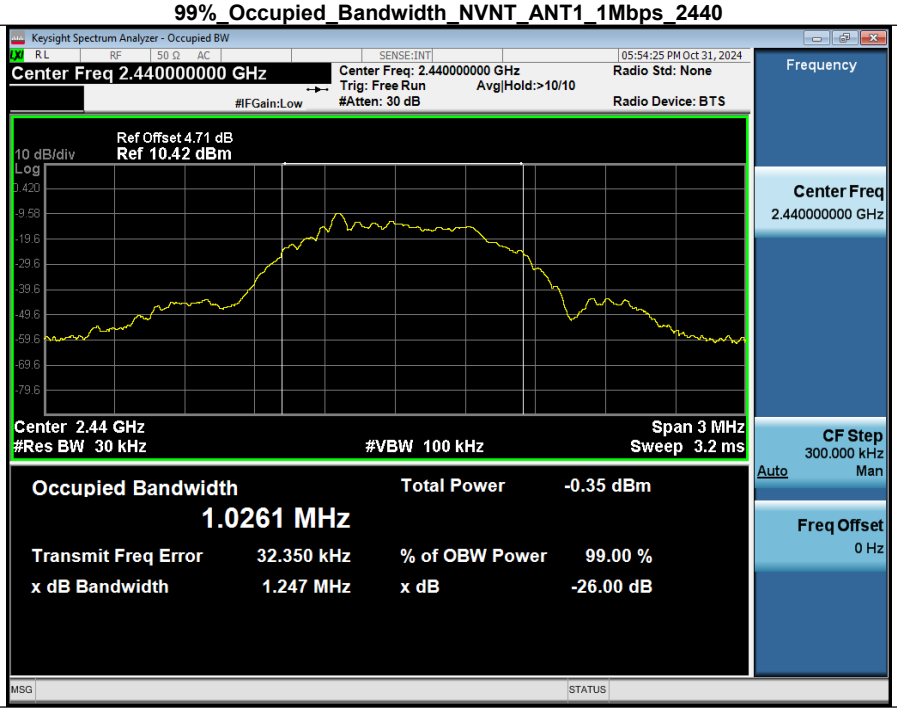
2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.026
NVNT	ANT1	1Mbps	2440.00	1.026
NVNT	ANT1	1Mbps	2480.00	1.026

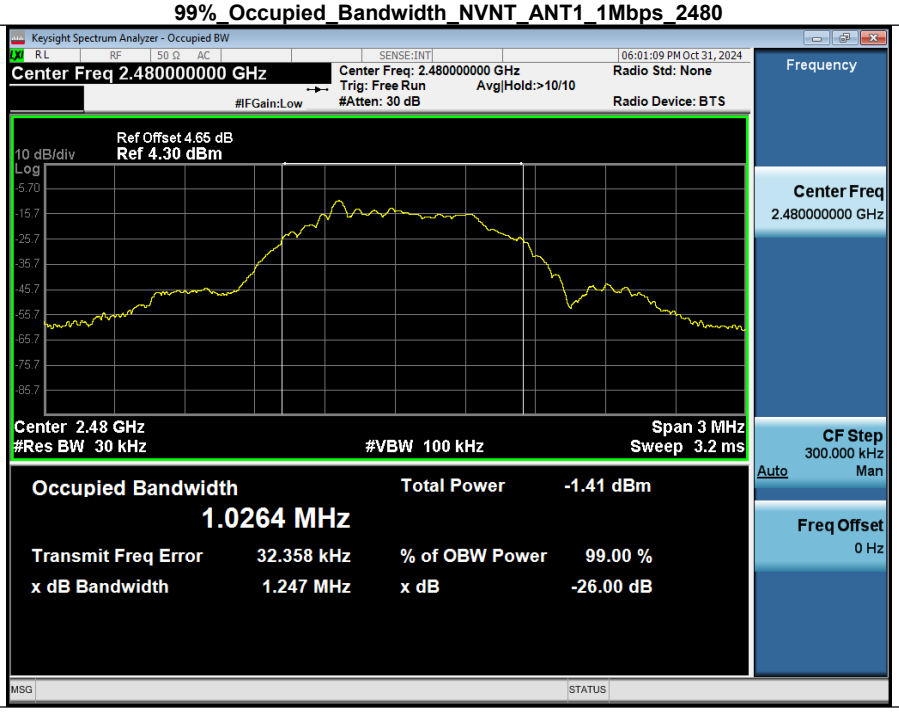
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



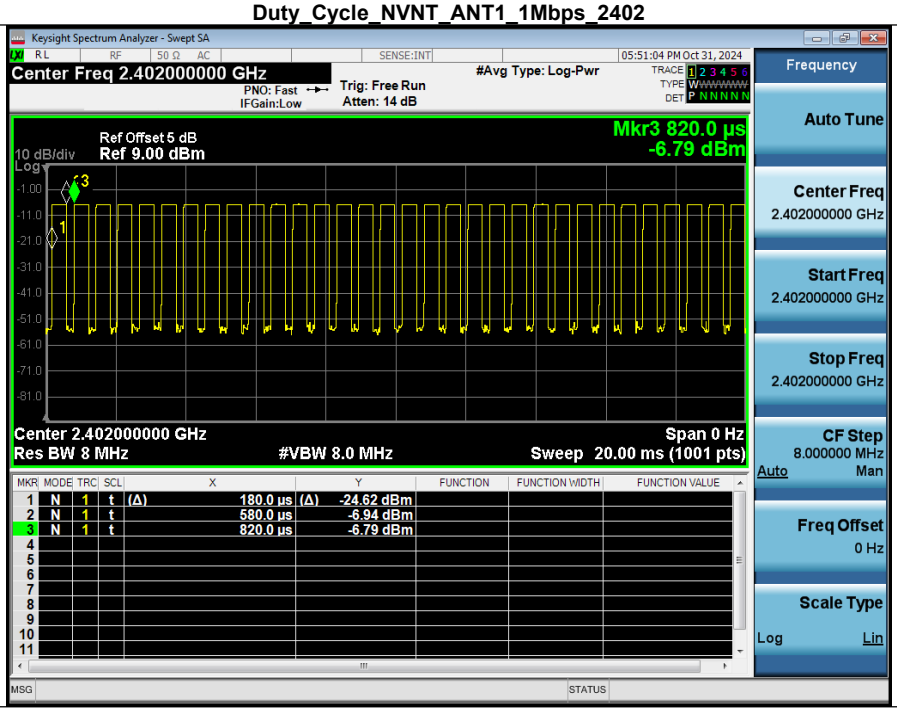
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



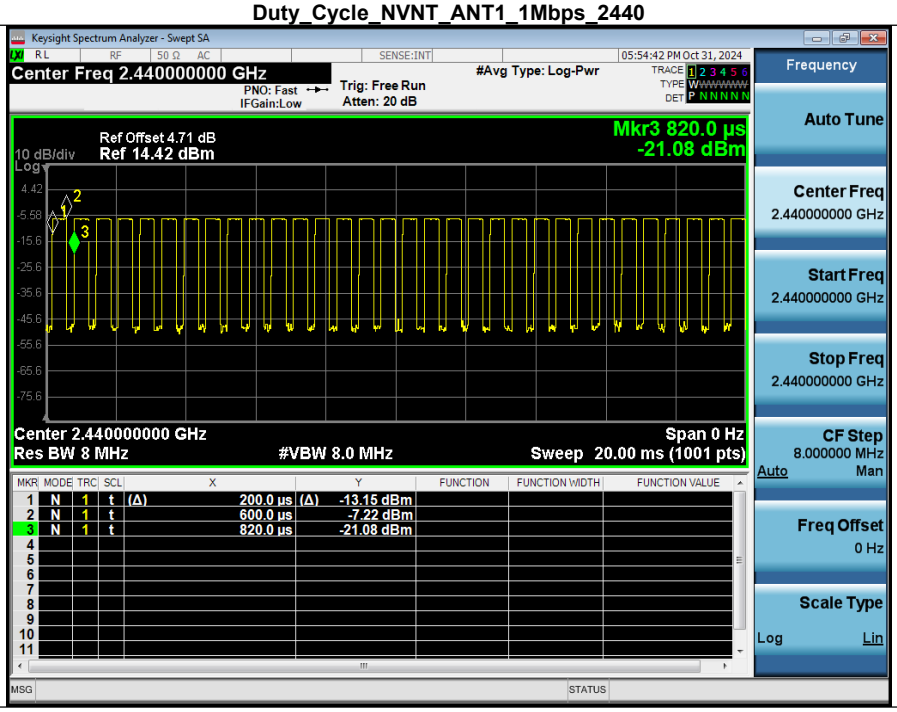
3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	62.50	2.04
NVNT	ANT1	1Mbps	2440.00	64.52	1.90
NVNT	ANT1	1Mbps	2480.00	67.74	1.69

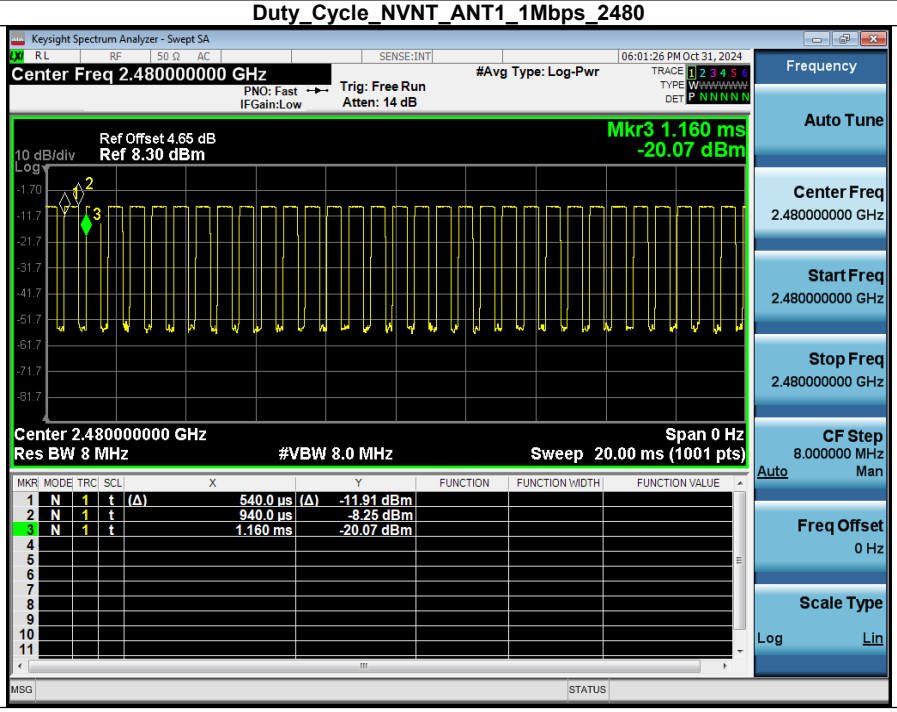
Duty_Cycle_NVNT_ANT1_1Mbps_2402



Duty_Cycle_NVNT_ANT1_1Mbps_2440



Duty_Cycle_NVNT_ANT1_1Mbps_2480



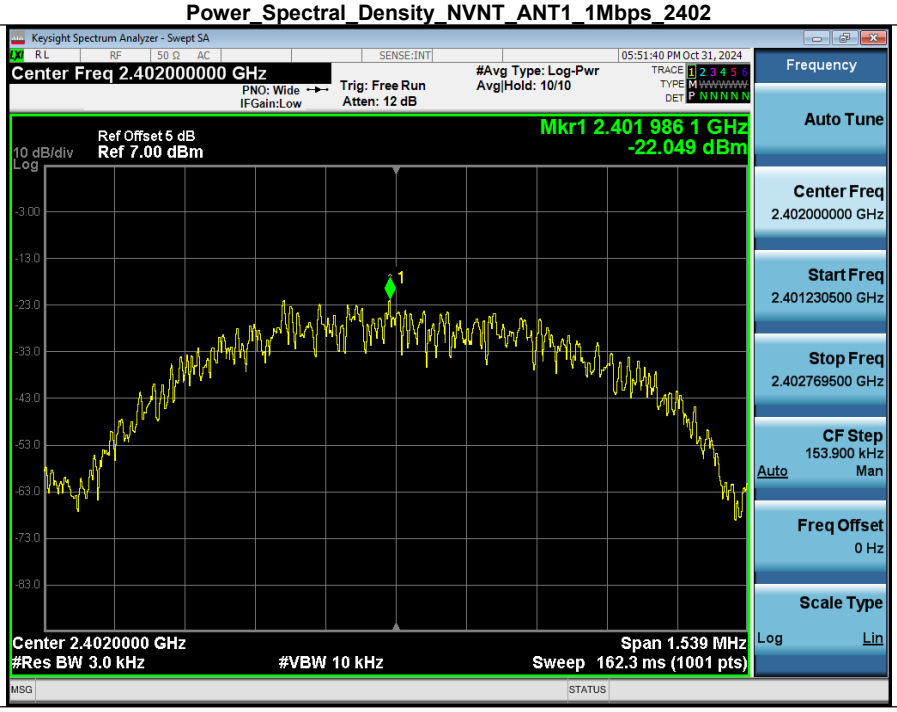
4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-6.62	0.22	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-6.99	0.20	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-8.03	0.16	1000	Pass

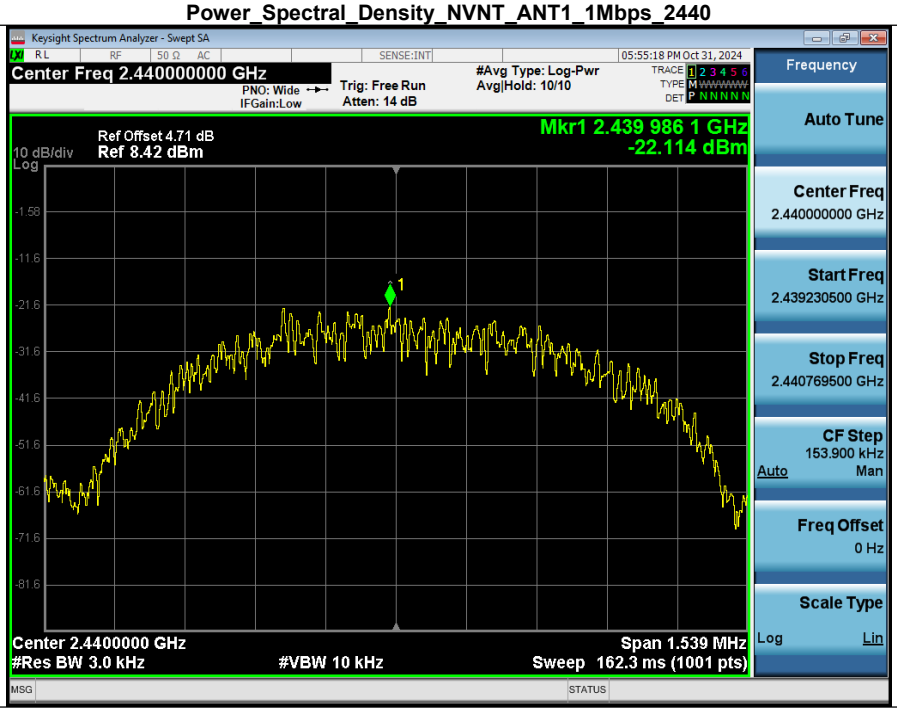
5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-22.05	8	Pass
NVNT	ANT1	1Mbps	2440.00	-22.11	8	Pass
NVNT	ANT1	1Mbps	2480.00	-23.43	8	Pass

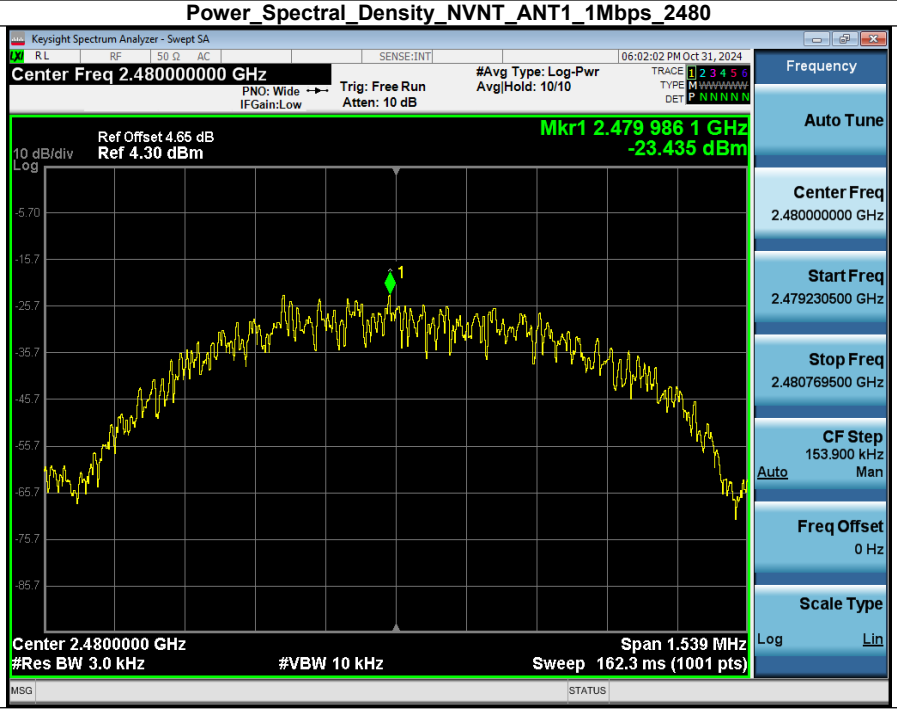
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



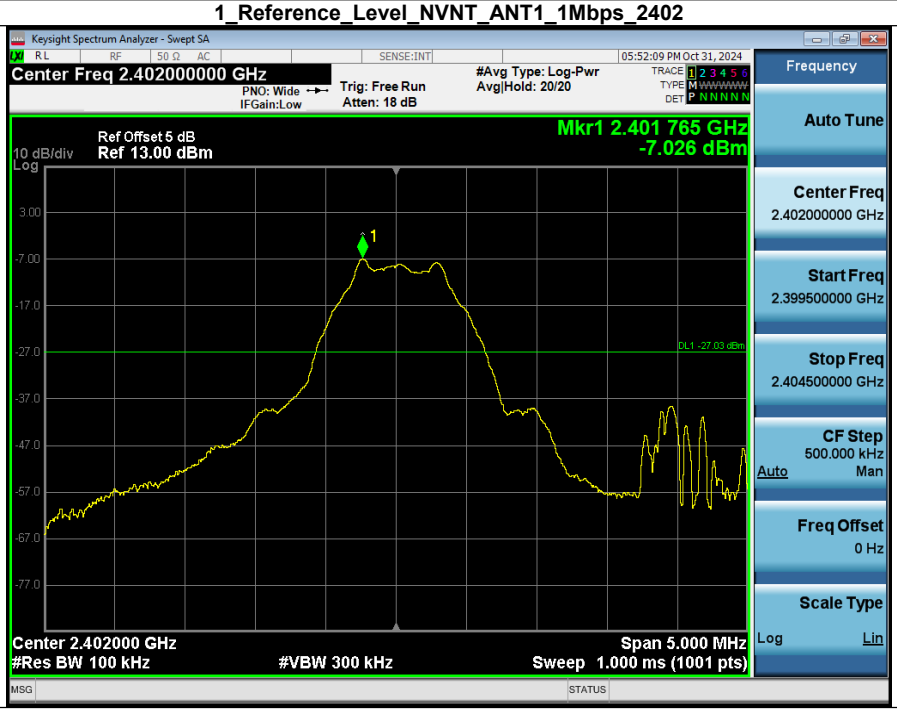
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



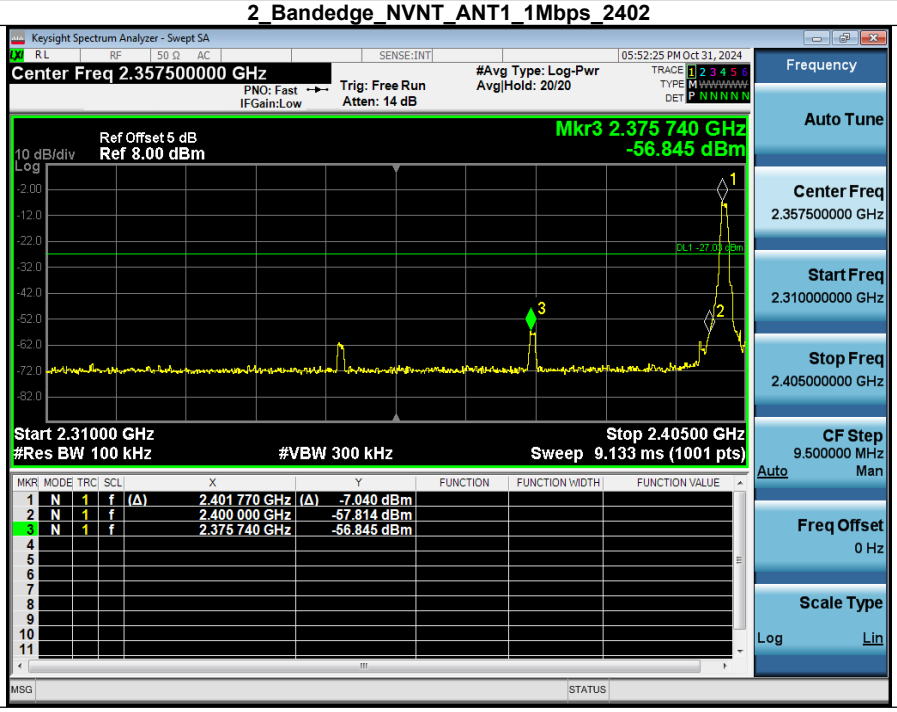
6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2375.740	-56.845	-27.026	Pass
NVNT	ANT1	1Mbps	2480.00	2483.525	-69.758	-28.406	Pass

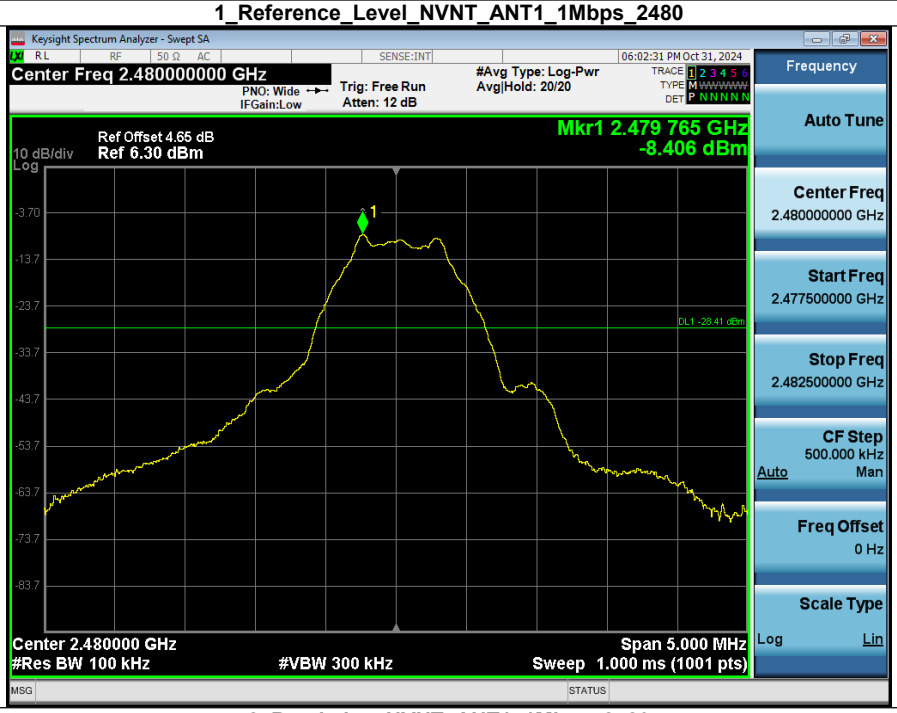
1_Reference_Level_NVNT_ANT1_1Mbps_2402



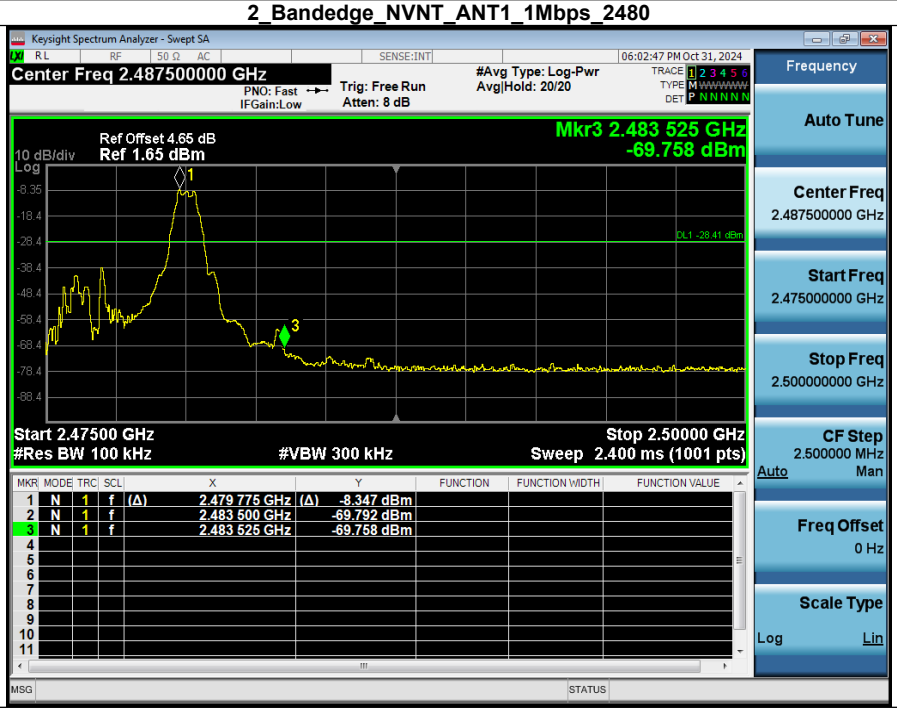
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480



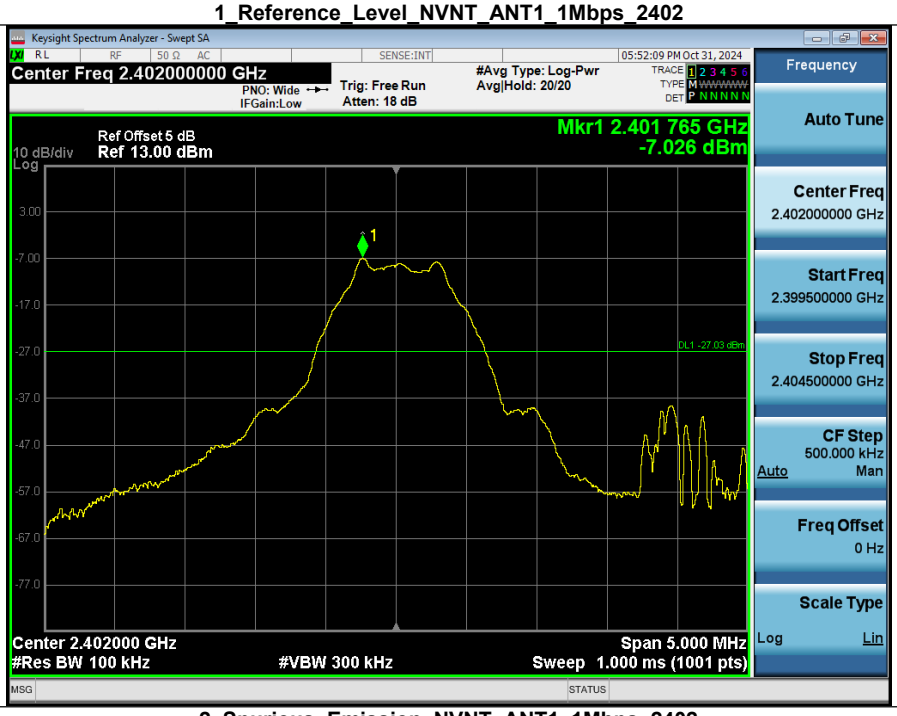
2_Bandedge_NVNT_ANT1_1Mbps_2480



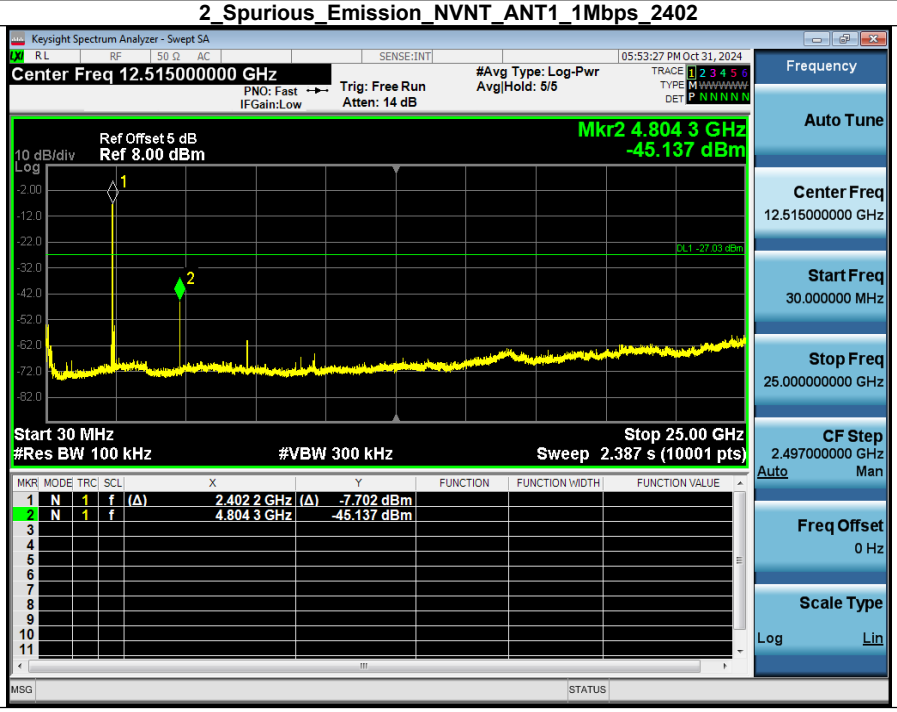
7. Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402.00	-45.137	-27.026	Pass
NVNT	ANT1	1Mbps	2440.00	-28.821	-27.284	Pass
NVNT	ANT1	1Mbps	2480.00	-28.814	-28.374	Pass

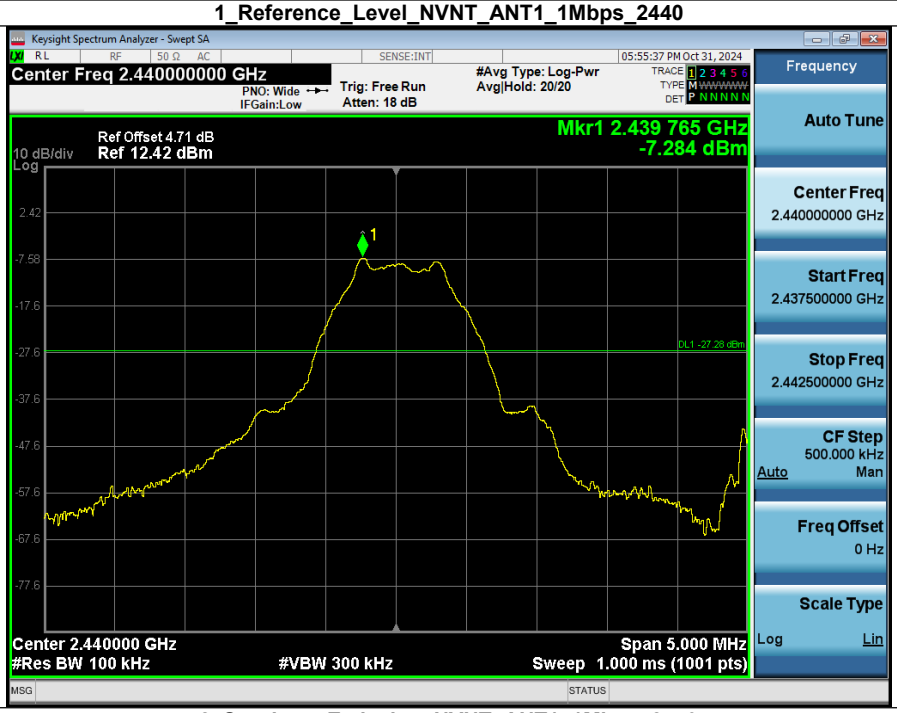
1_Reference_Level_NVNT_ANT1_1Mbps_2402



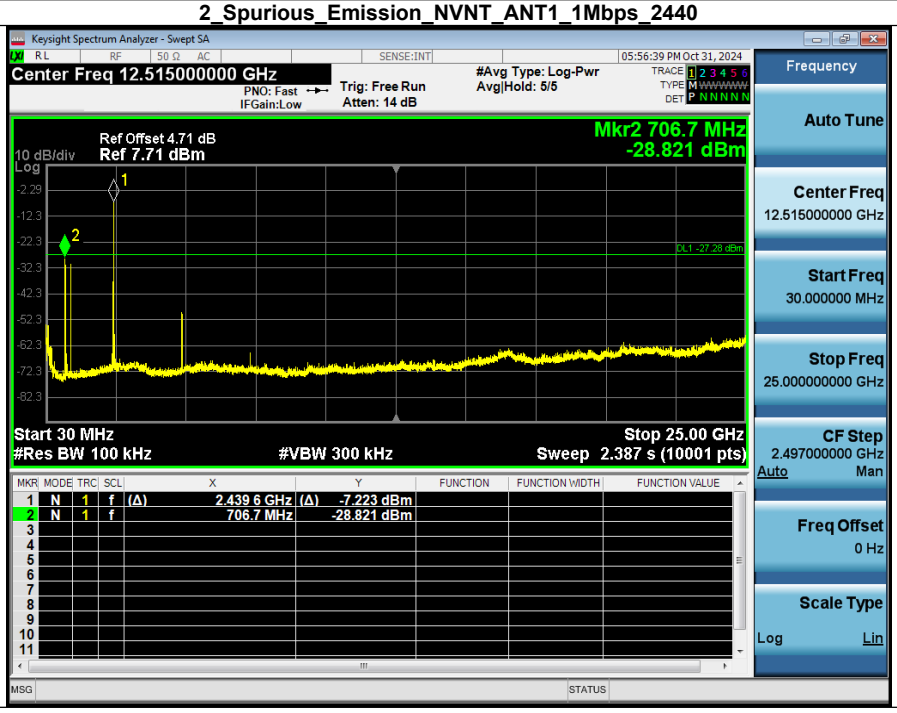
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



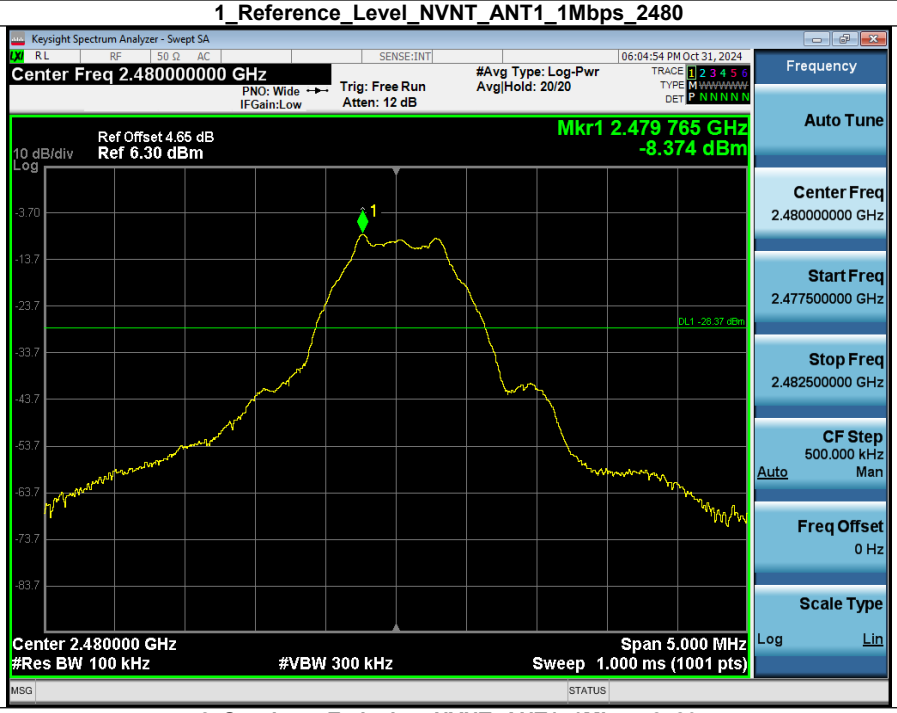
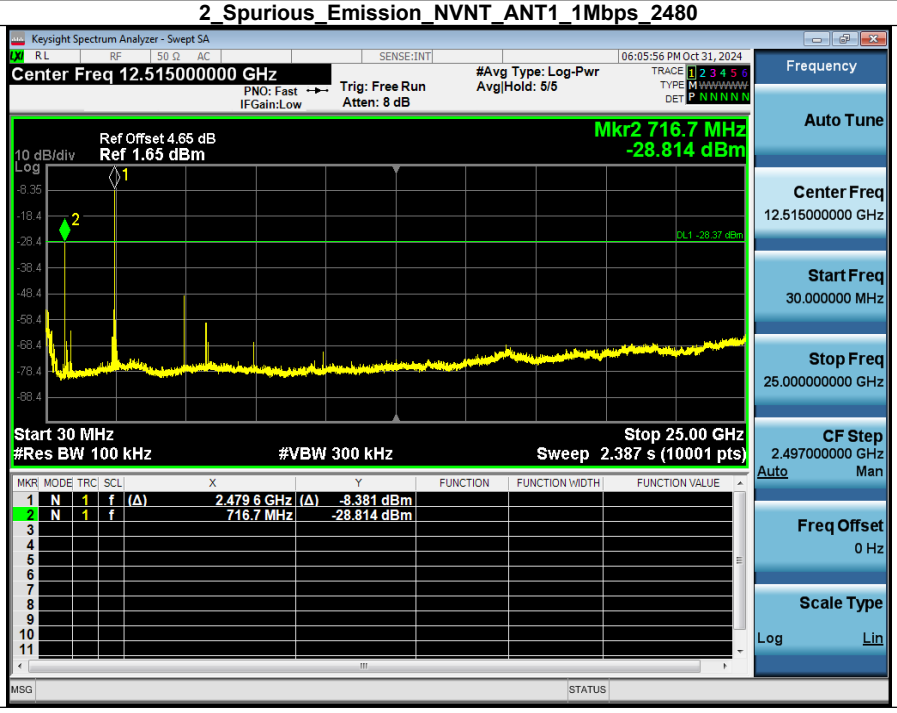
1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480