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240517 FCC ID BLE-4 FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	504.9	500	Pass
NVNT	ANT1	1Mbps	2440.00	505.9	500	Pass
NVNT	ANT1	1Mbps	2480	505.7	500	Pass

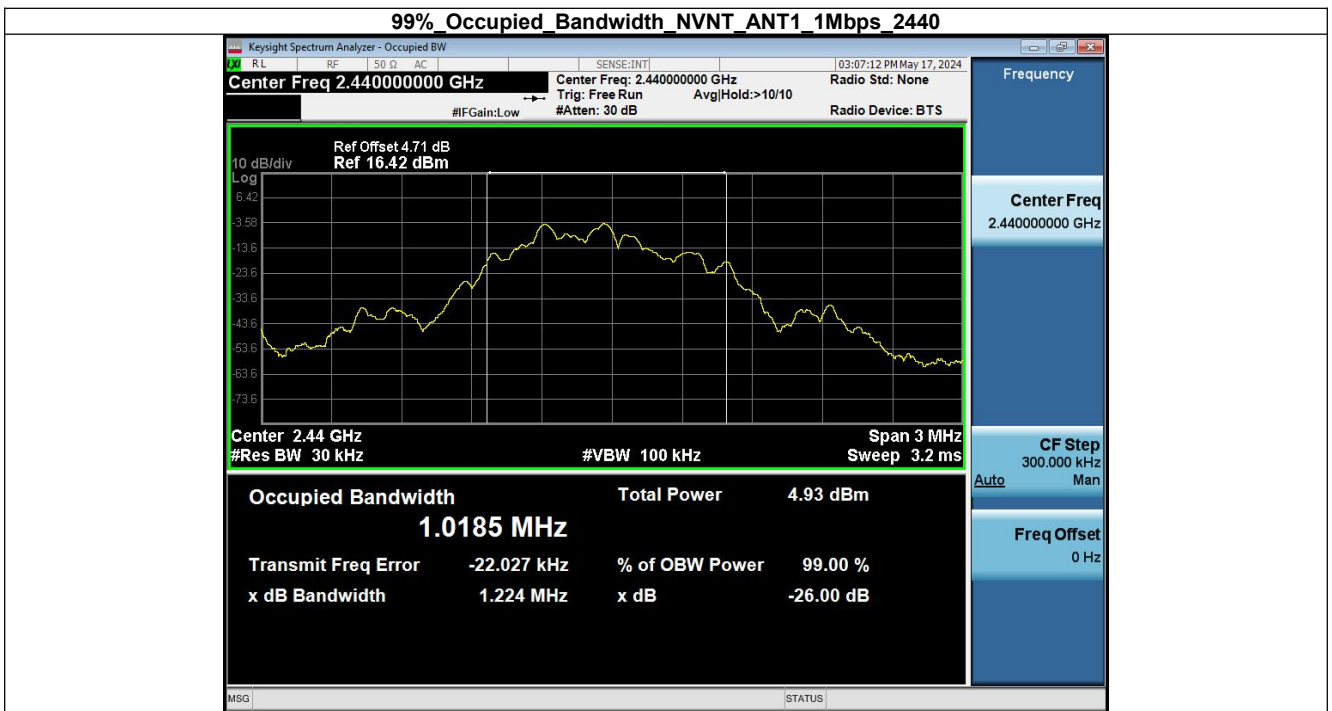
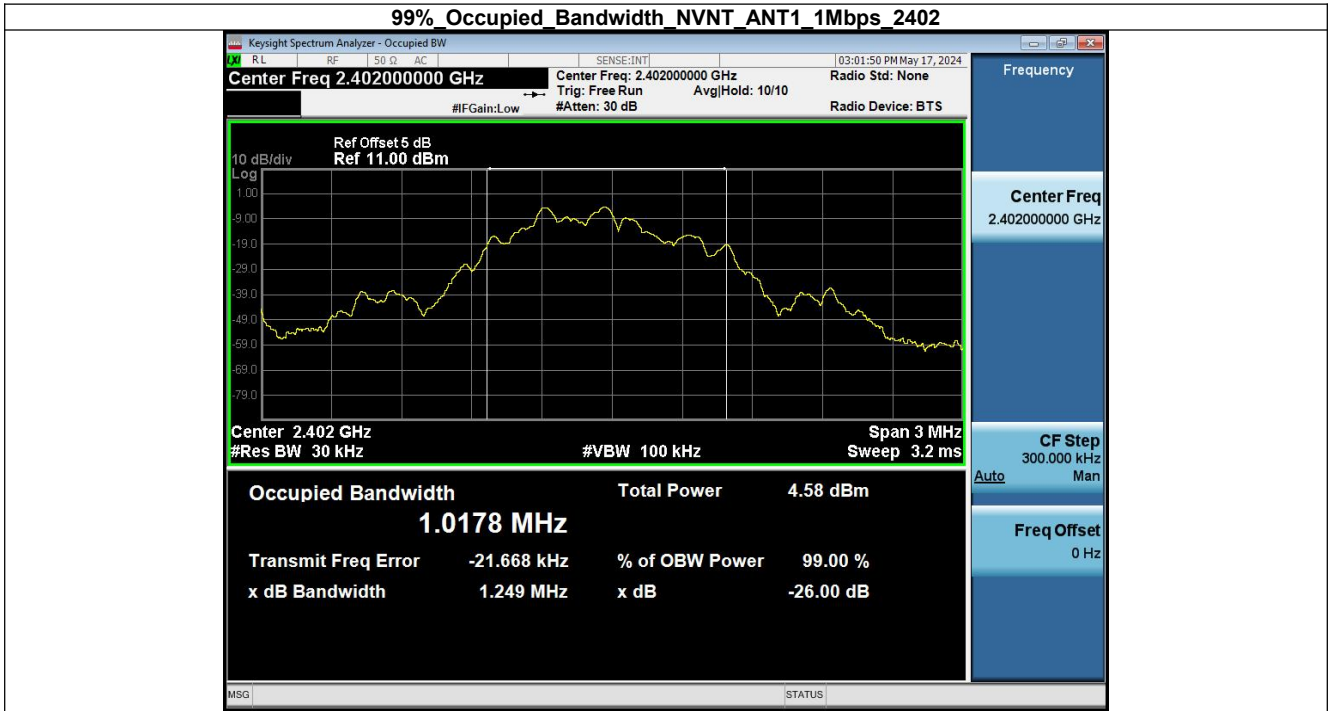


-6dB Bandwidth NVNT ANT1 1Mbps 2480

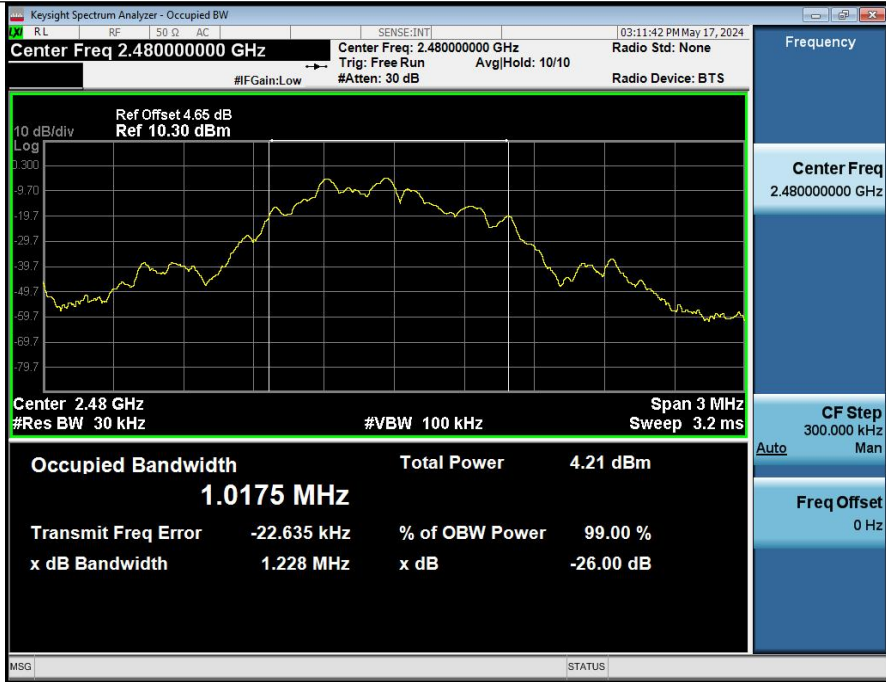


2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402	1.018
NVNT	ANT1	1Mbps	2440.00	1.019
NVNT	ANT1	1Mbps	2480	1.018

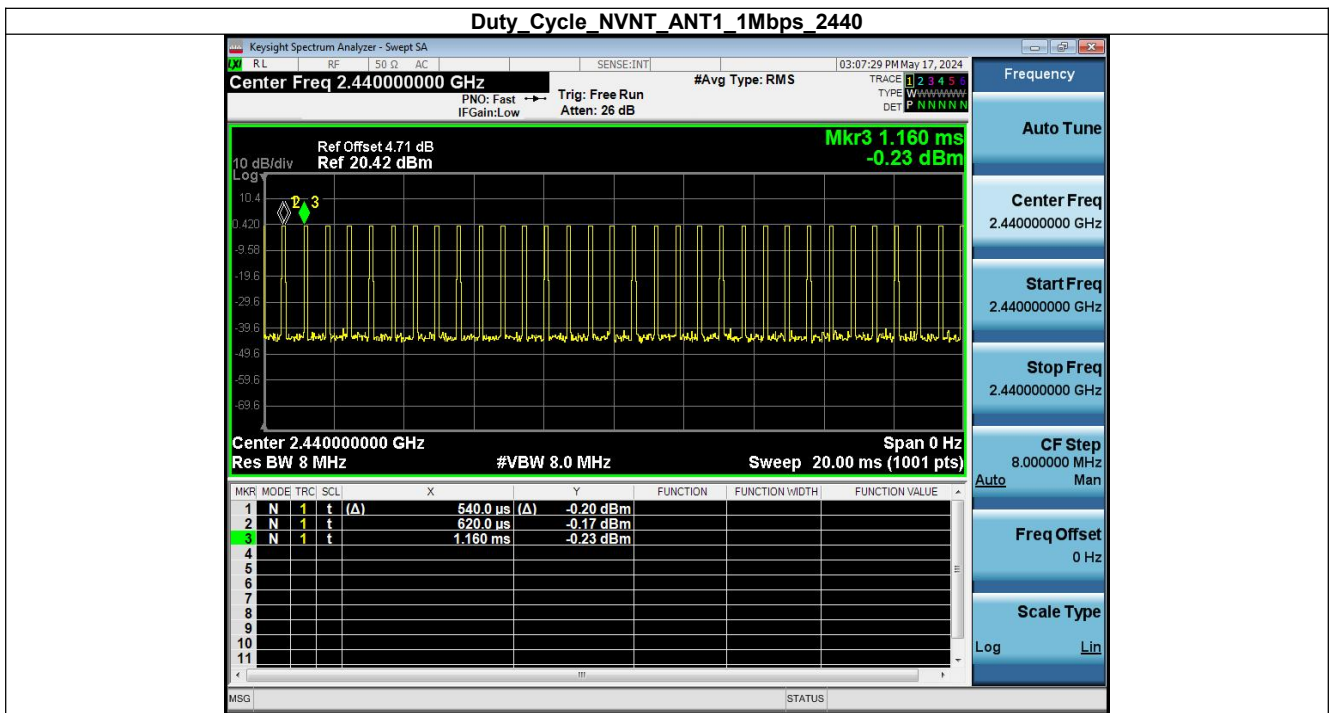
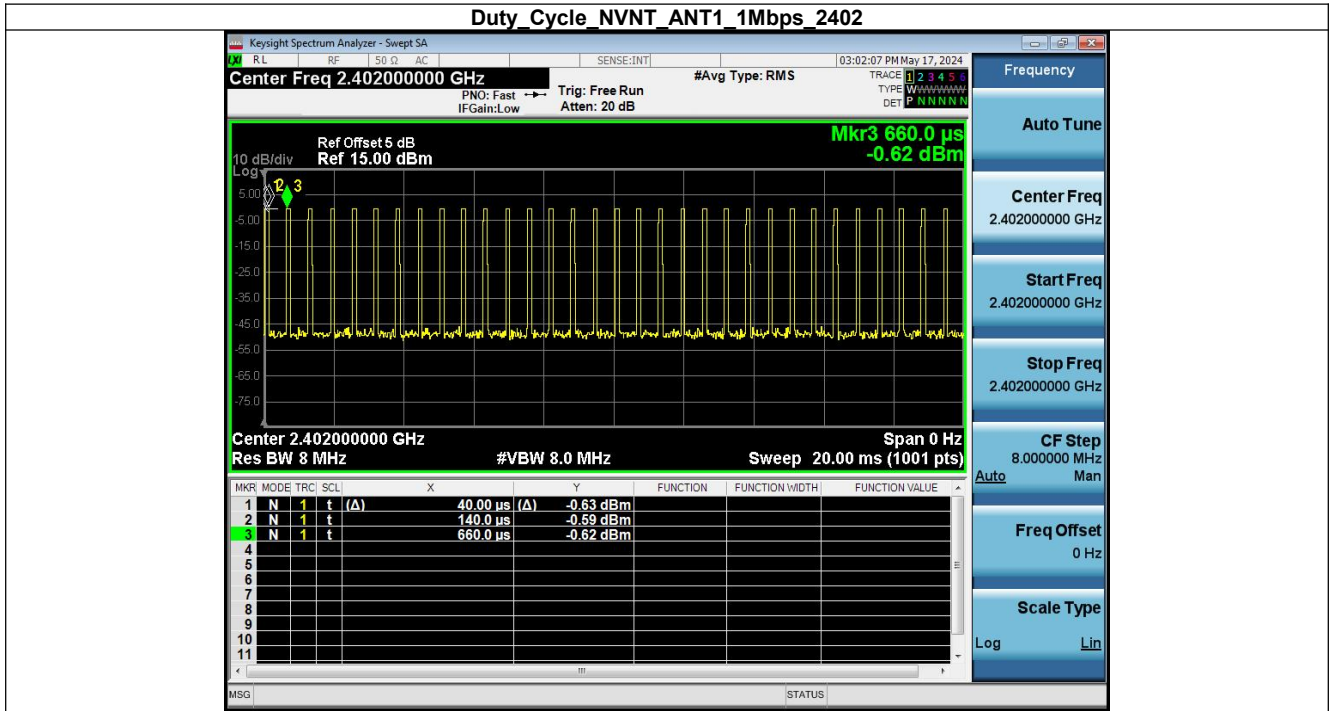


99% Occupied Bandwidth NVNT ANT1 1Mbps 2480

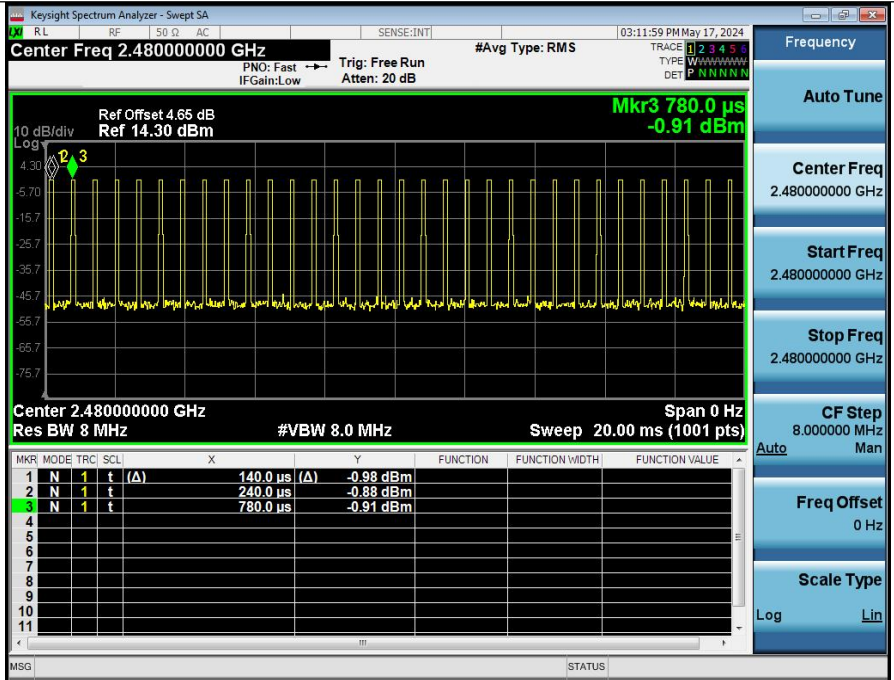


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402	16.13	7.92
NVNT	ANT1	1Mbps	2440.00	16.13	7.92
NVNT	ANT1	1Mbps	2480	15.63	8.06

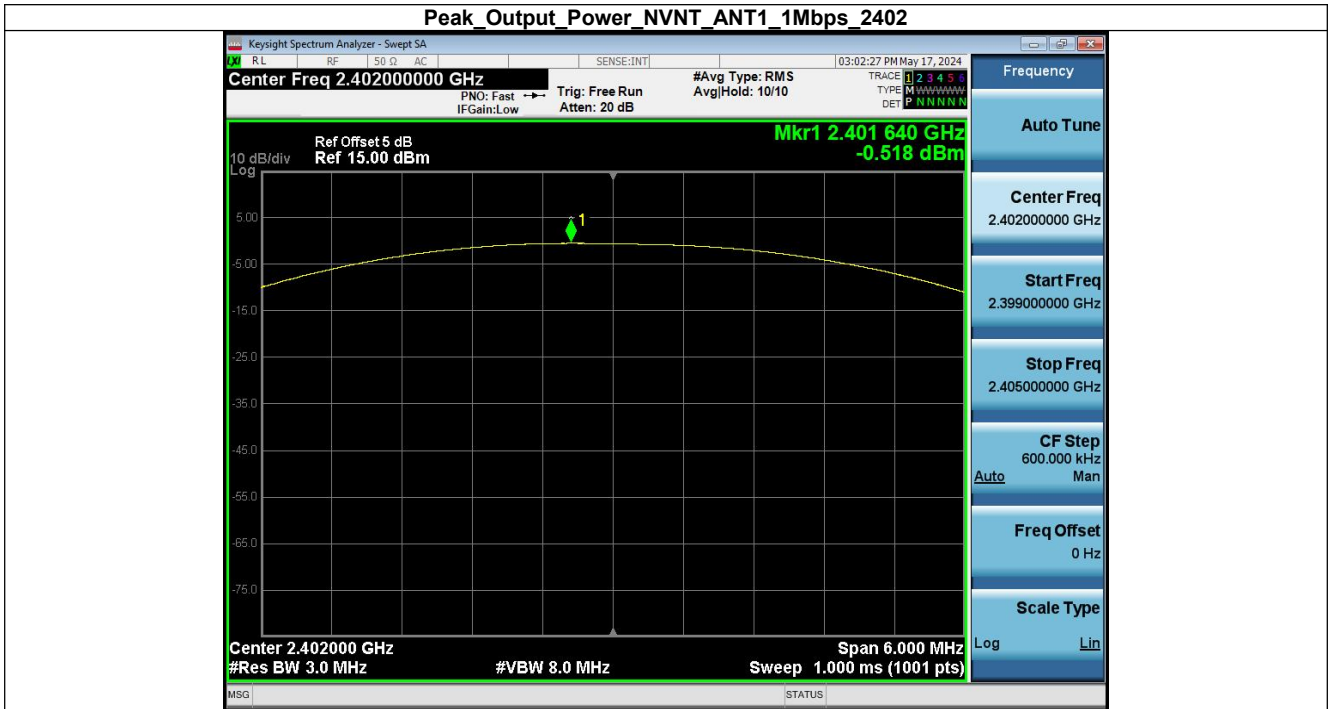


Duty Cycle NVNT_ANT1_1Mbps_2480



4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	-0.52	0.89	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.15	0.97	1000	Pass
NVNT	ANT1	1Mbps	2480	-0.89	0.82	1000	Pass



Peak Output Power_NVNT_ANT1_1Mbps_2480



5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-18.90	8	Pass
NVNT	ANT1	1Mbps	2440.00	-18.47	8	Pass
NVNT	ANT1	1Mbps	2480	-19.17	8	Pass



Power Spectral Density NVNT_ANT1_1Mbps_2480



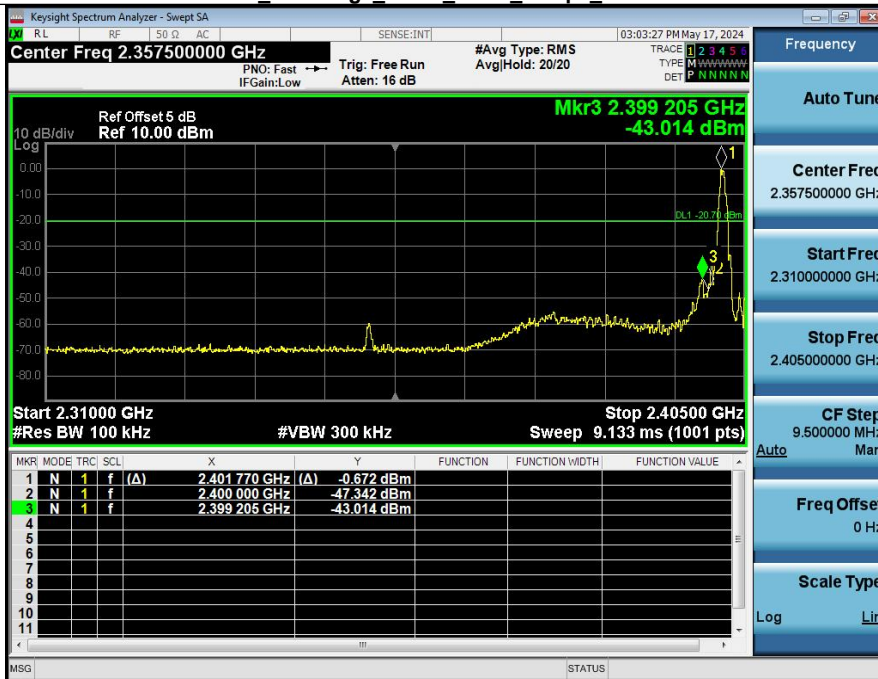
6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2399.205	-43.014	-20.699	Pass
NVNT	ANT1	1Mbps	2480	2483.600	-51.273	-21.063	Pass

1_Reference_Level_NVNT_ANT1_1Mbps_2402



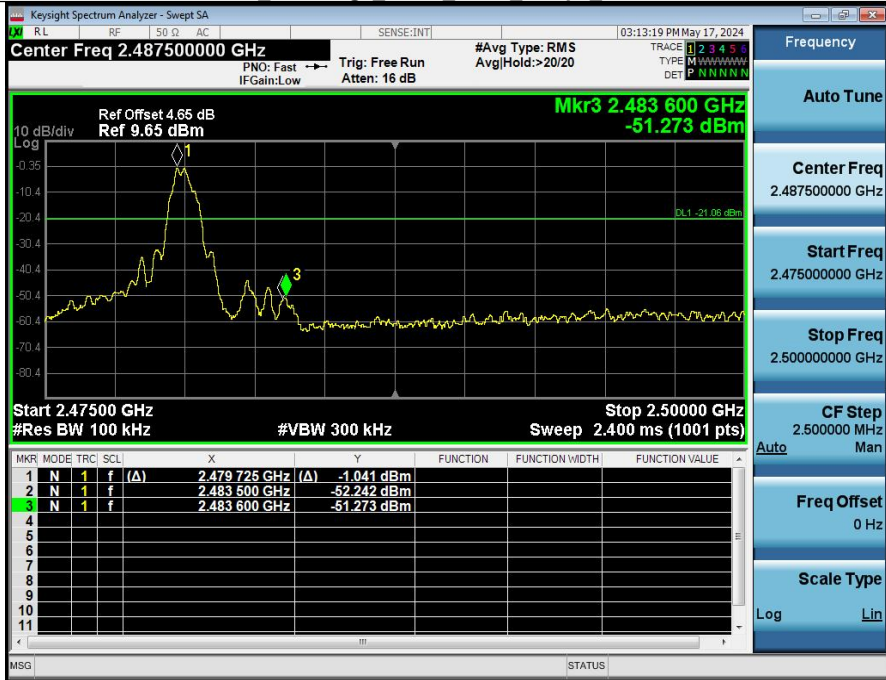
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480

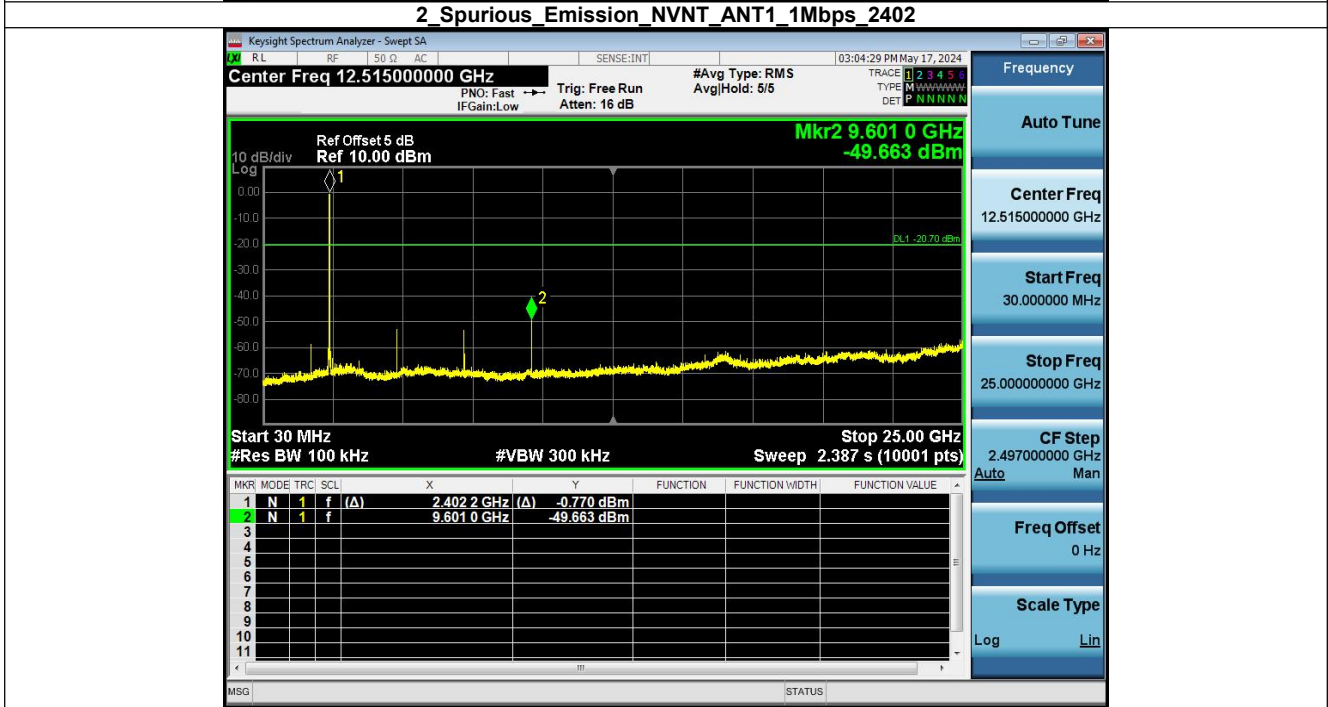


2_Bandedge_NVNT_ANT1_1Mbps_2480



7. Spurious Emission

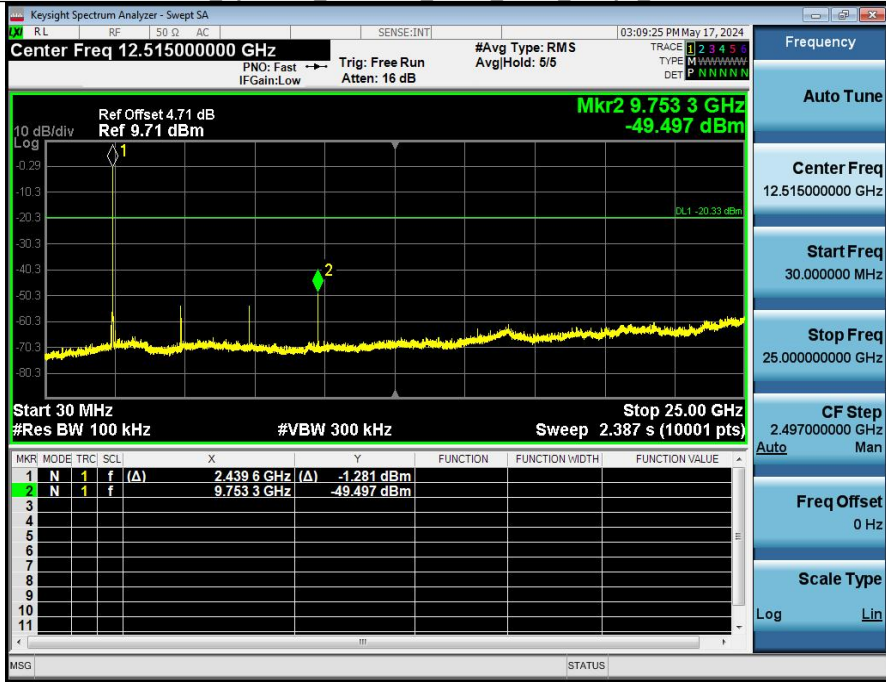
Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-49.663	-20.699	Pass
NVNT	ANT1	1Mbps	2440.00	-49.497	-20.329	Pass
NVNT	ANT1	1Mbps	2480	-47.566	-21.063	Pass



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

