

Appendix

BLE Test Data

for BTEK240507003AE



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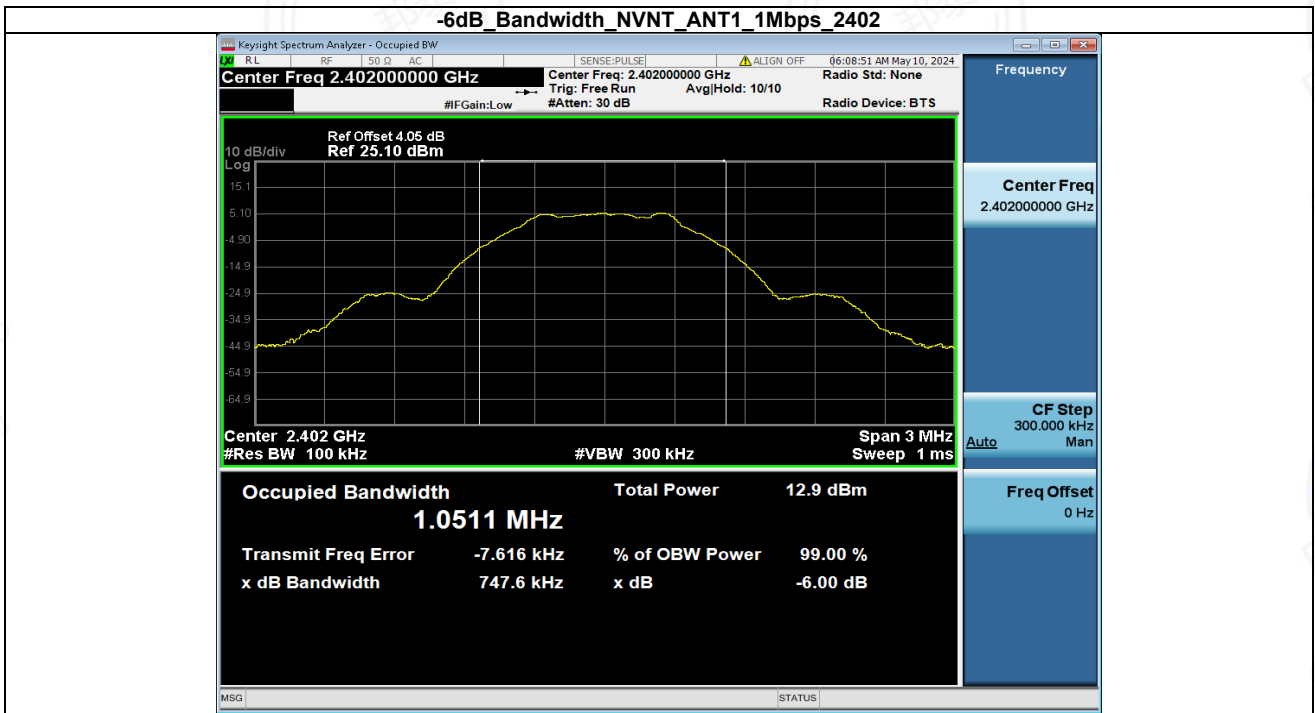
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BT20240425002_BTEK240507003AE FCC_BLE (Part15.247) Test Data

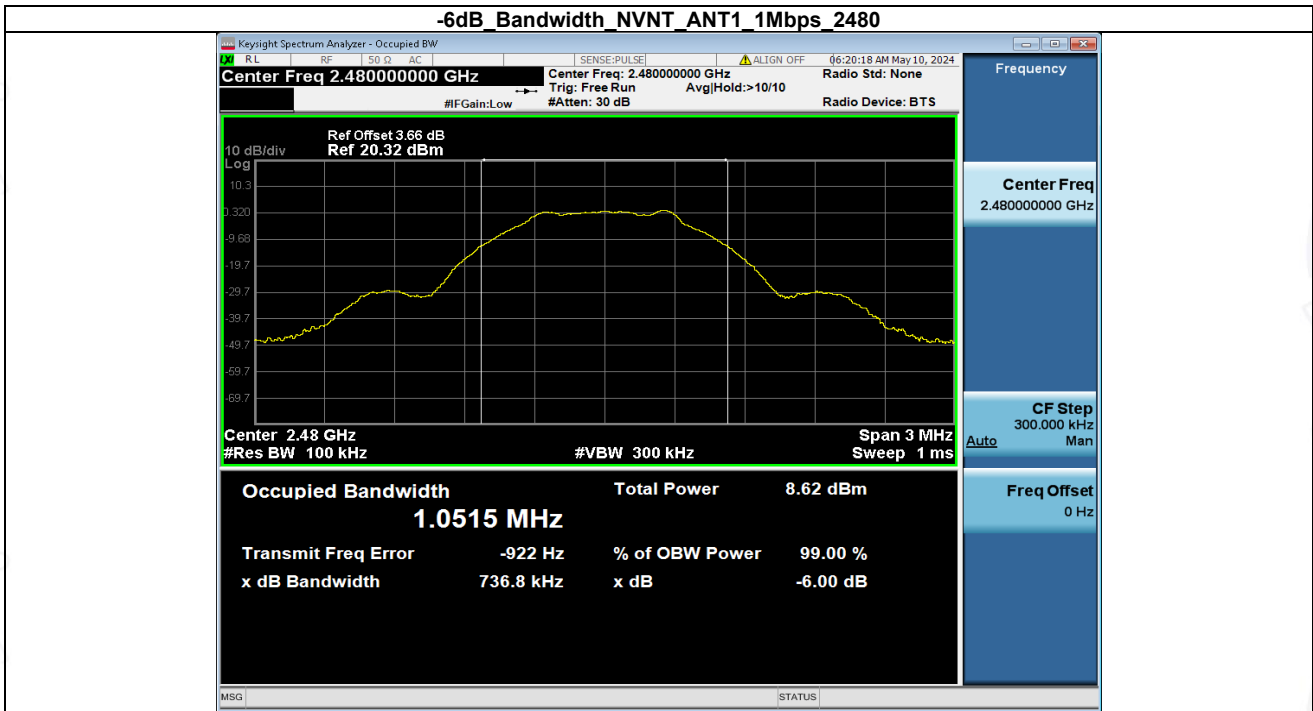
1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	747.62	500	Pass
NVNT	ANT1	1Mbps	2440.00	740.94	500	Pass
NVNT	ANT1	1Mbps	2480	736.81	500	Pass



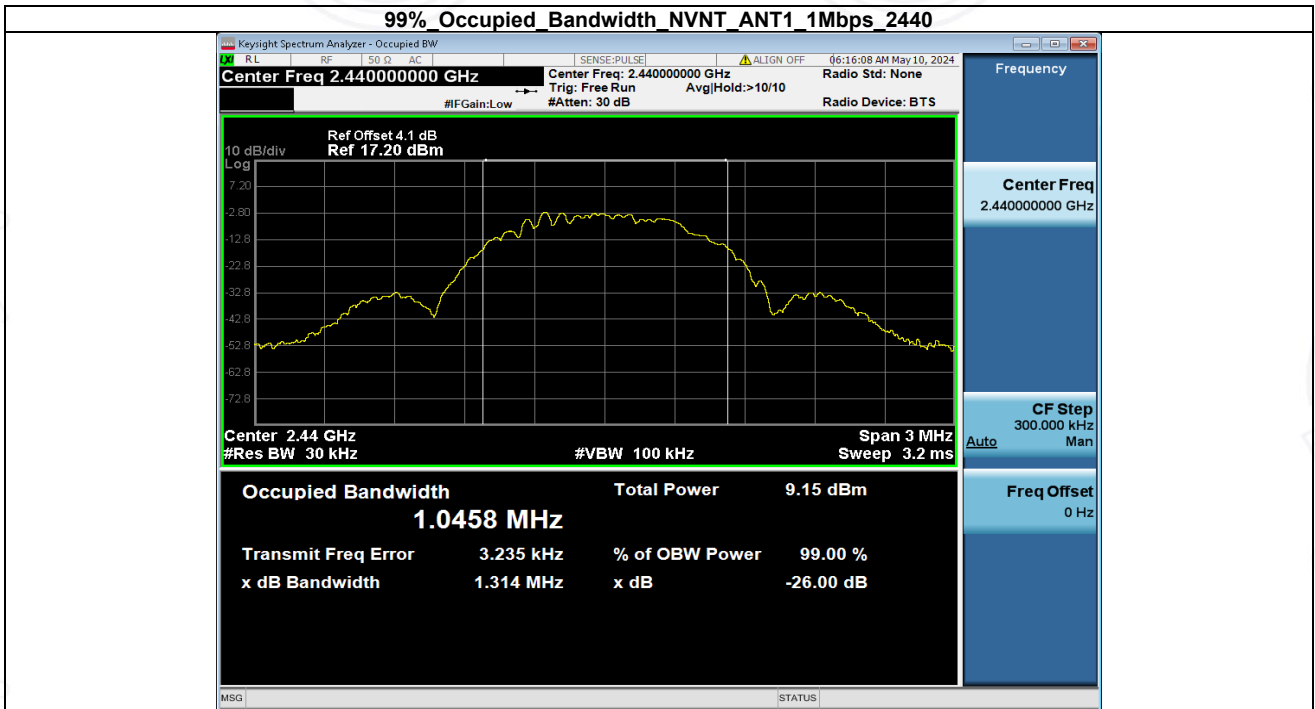
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440





2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402	1.047
NVNT	ANT1	1Mbps	2440.00	1.046
NVNT	ANT1	1Mbps	2480	1.046



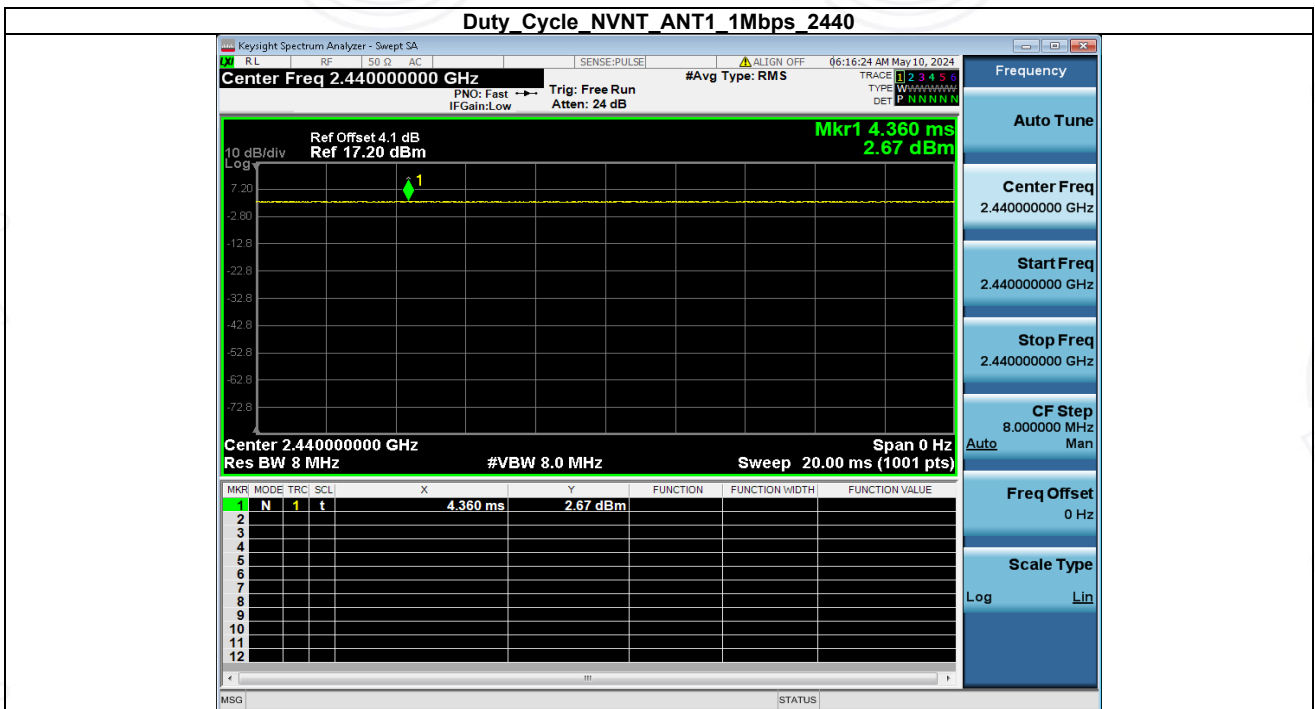
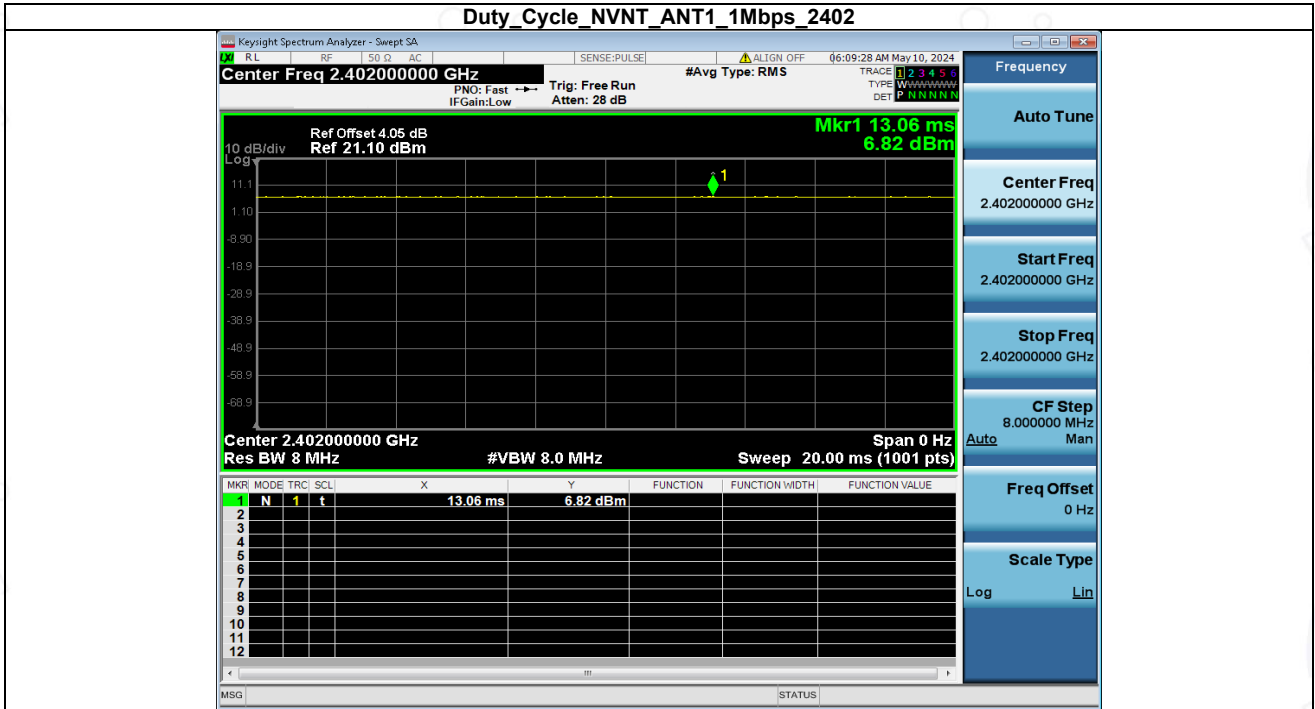
99% Occupied Bandwidth_NVNT_ANT1_1Mbps_2480





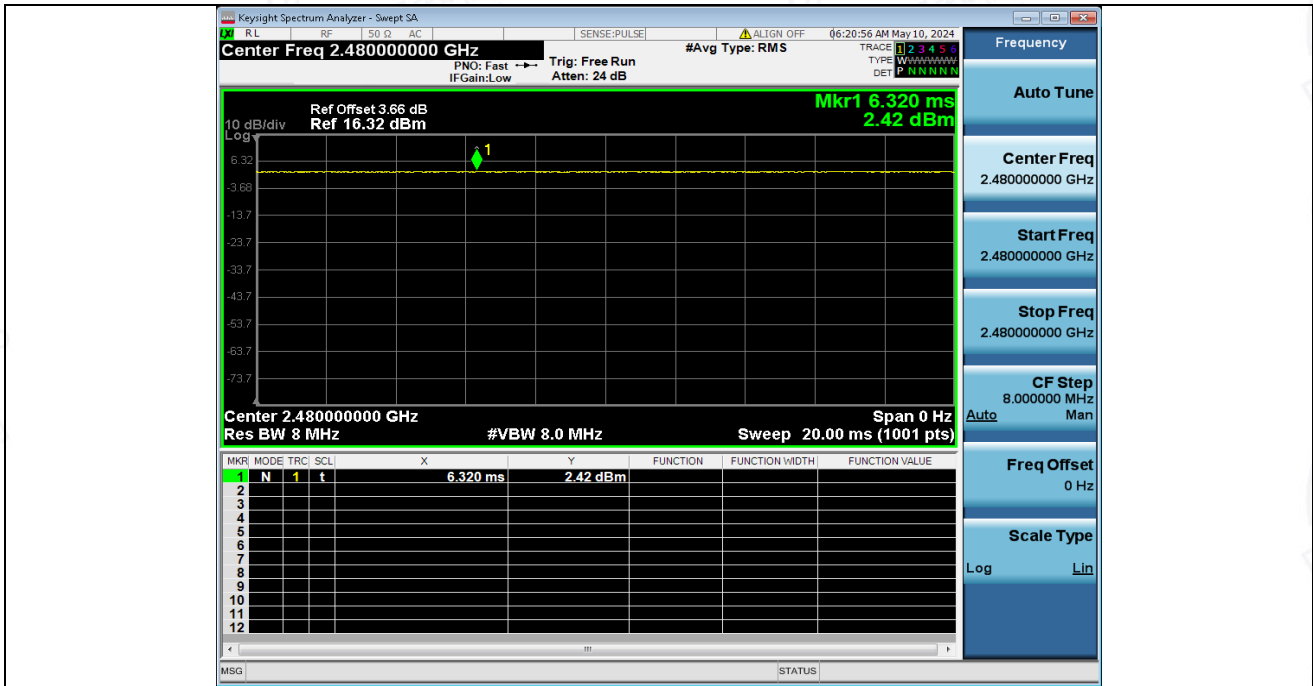
3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty factor
NVNT	ANT1	1Mbps	2402	100	0.00
NVNT	ANT1	1Mbps	2440.00	100	0.00
NVNT	ANT1	1Mbps	2480	100	0.00



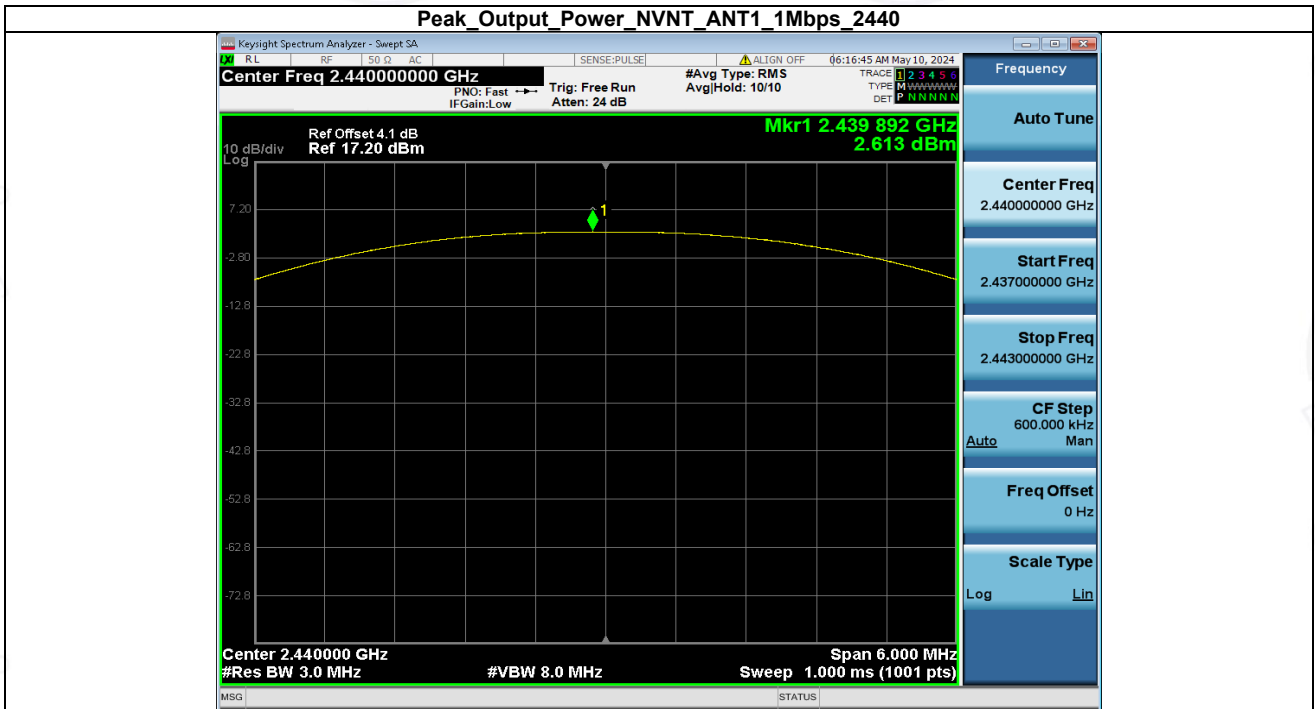
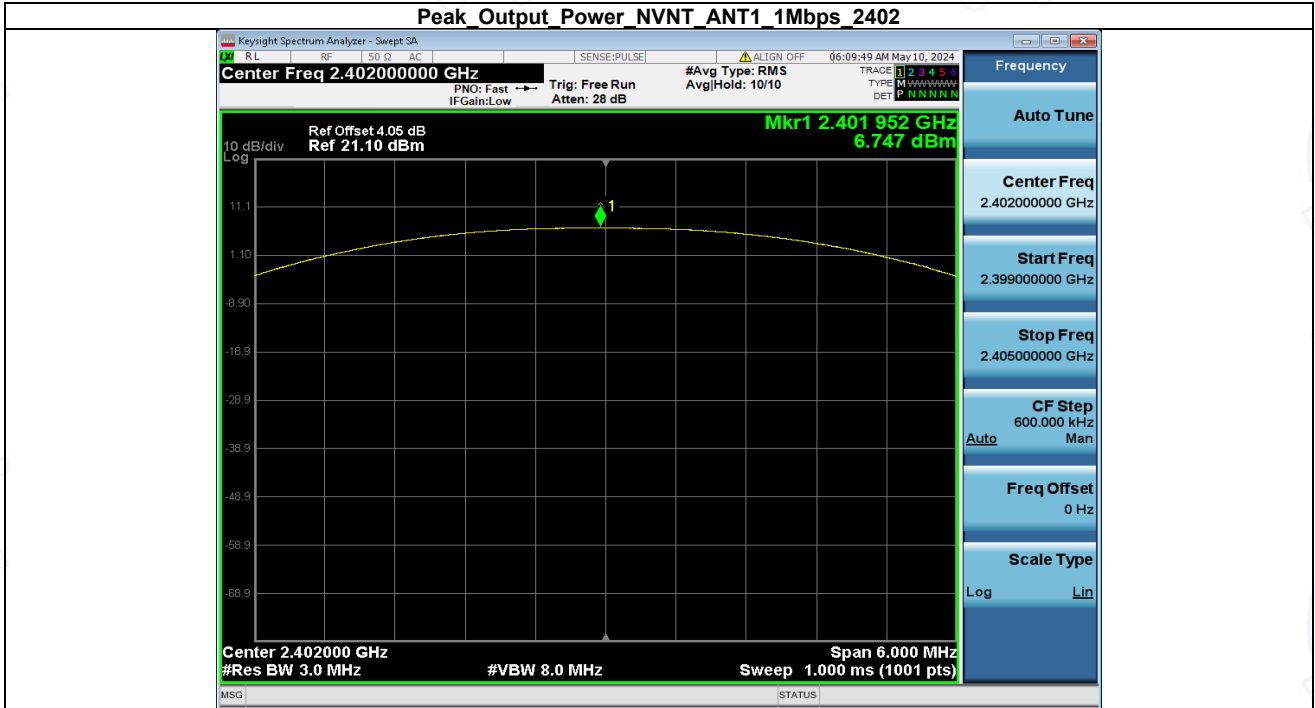
Duty Cycle_NVNT_ANT1_1Mbps_2480





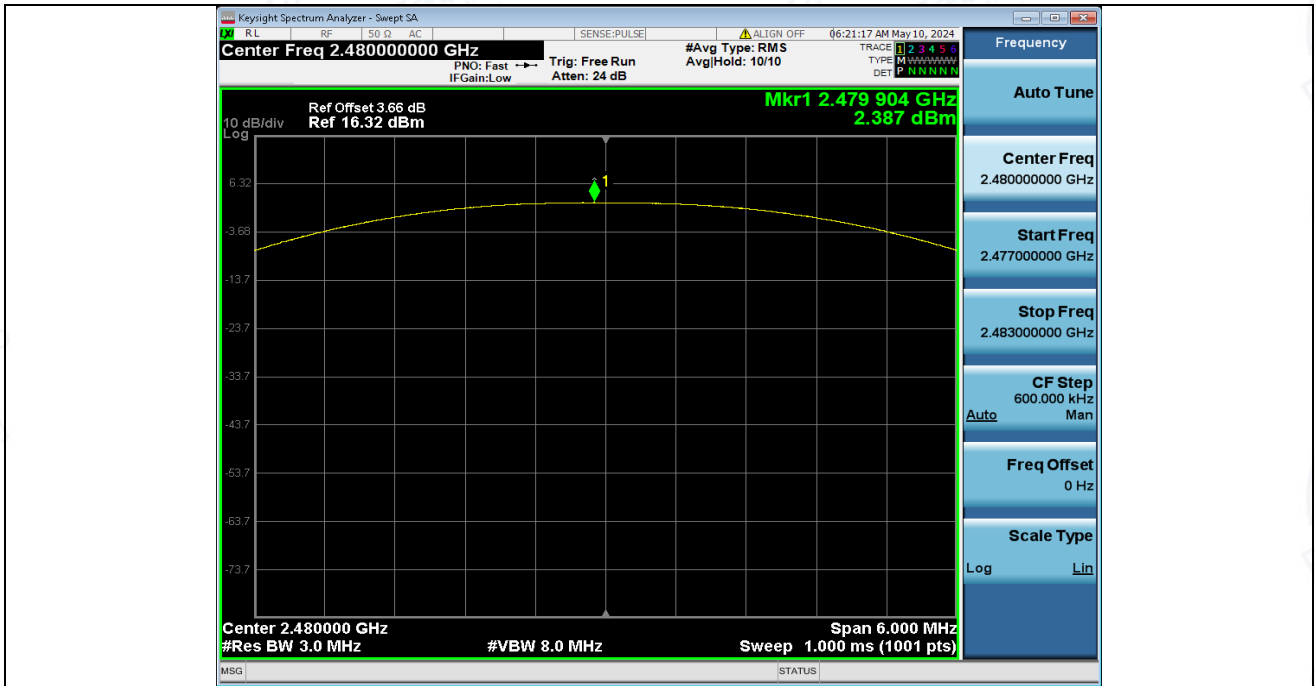
4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	6.75	4.73	1000	Pass
NVNT	ANT1	1Mbps	2440.00	2.61	1.83	1000	Pass
NVNT	ANT1	1Mbps	2480	2.39	1.73	1000	Pass



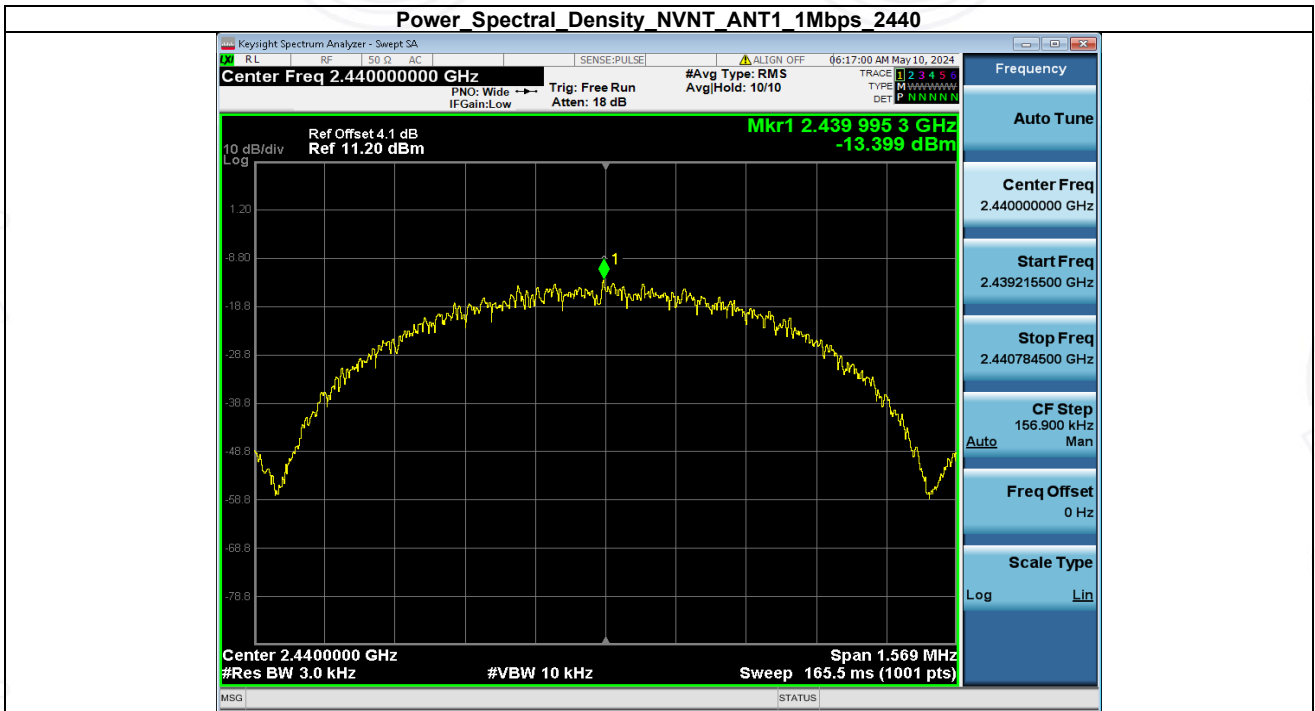
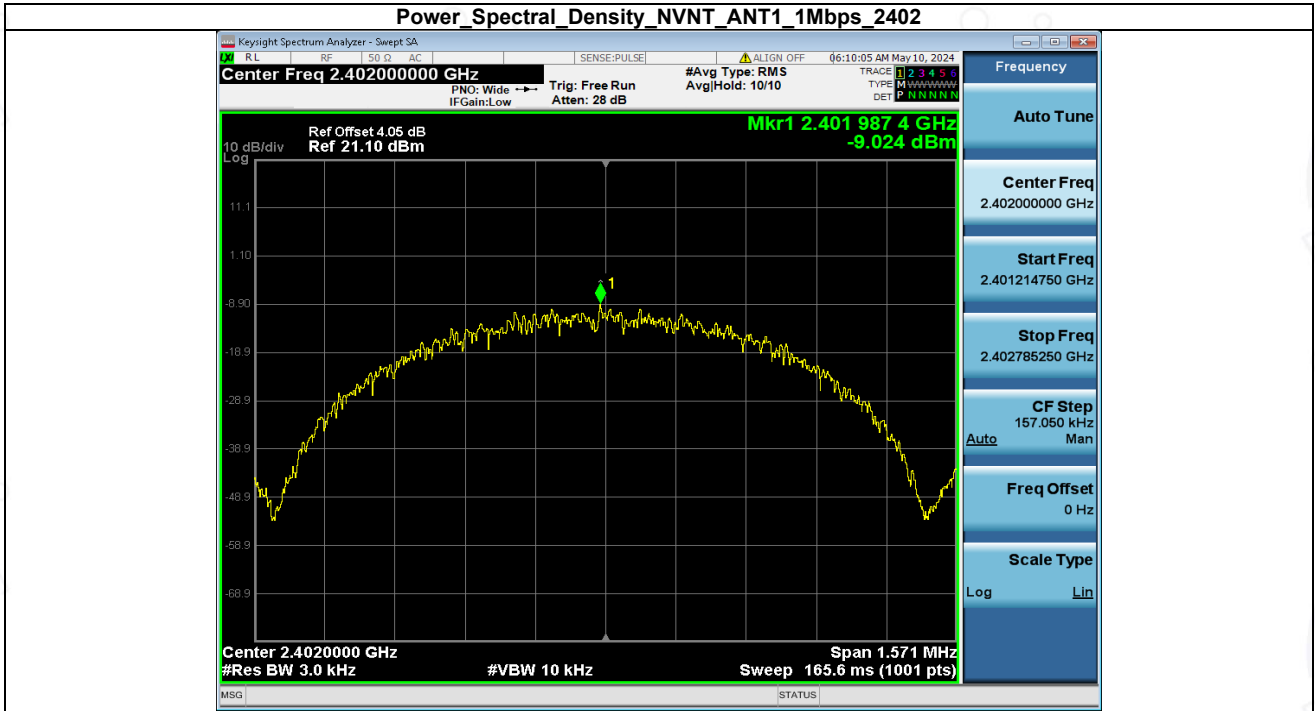
Peak Output Power_NVNT_ANT1_1Mbps_2480





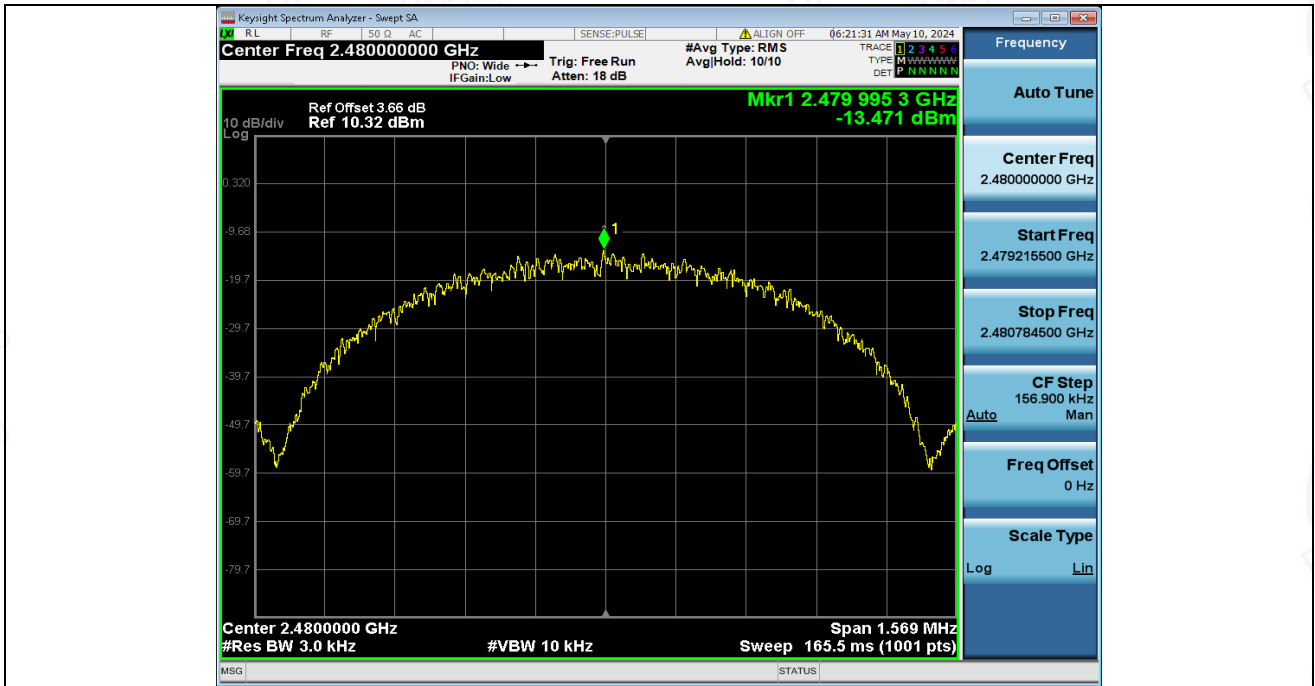
5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-9.02	8	Pass
NVNT	ANT1	1Mbps	2440.00	-13.40	8	Pass
NVNT	ANT1	1Mbps	2480	-13.47	8	Pass



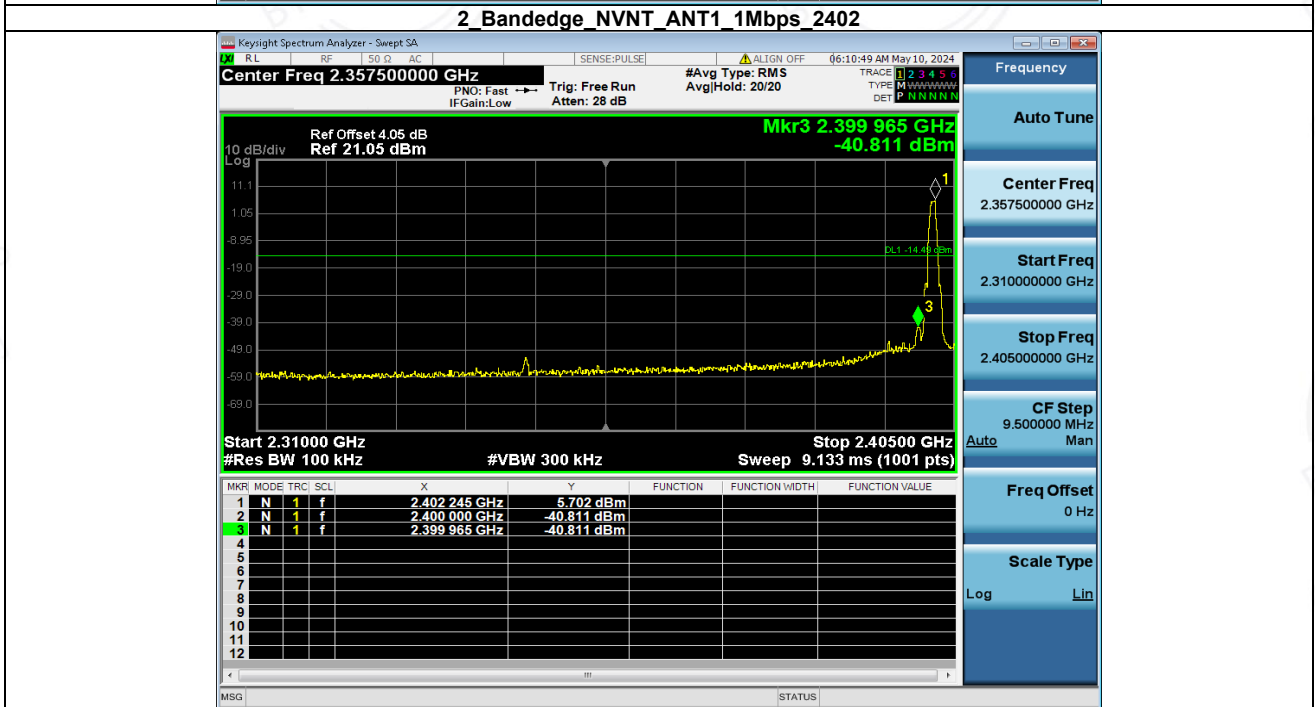
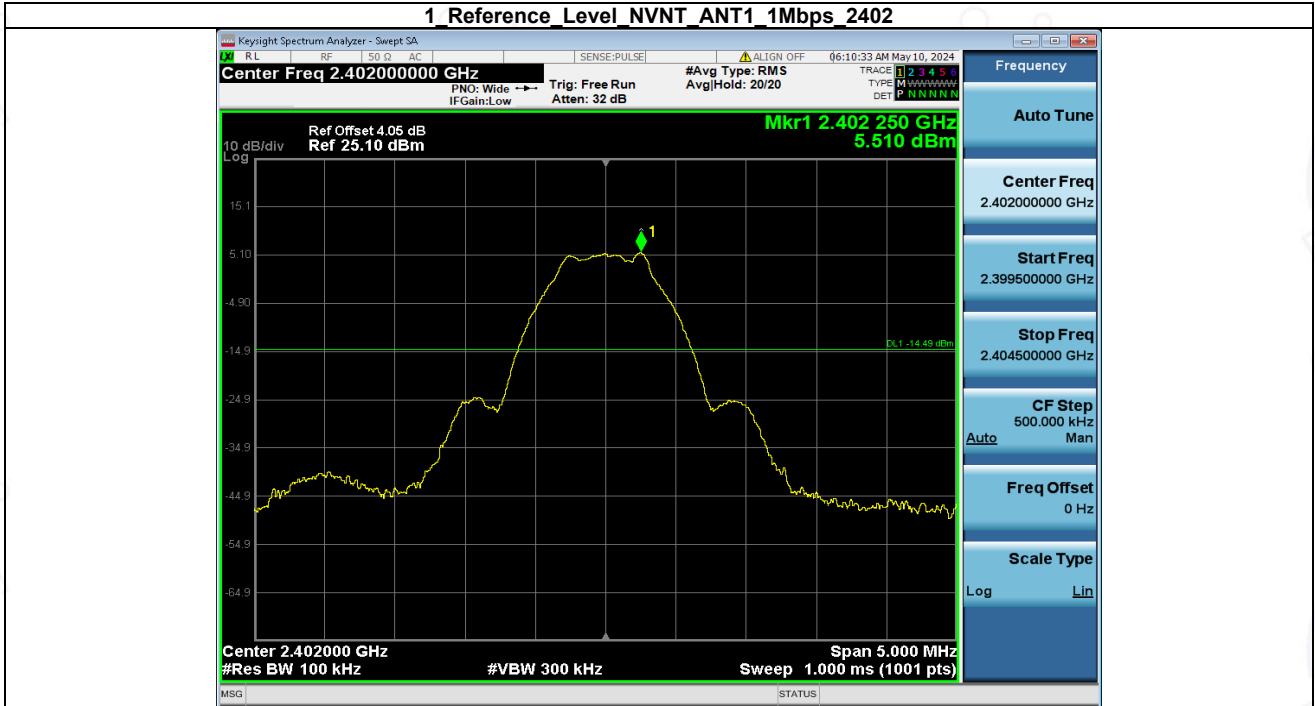
Power Spectral Density NVNT ANT1 1Mbps 2480





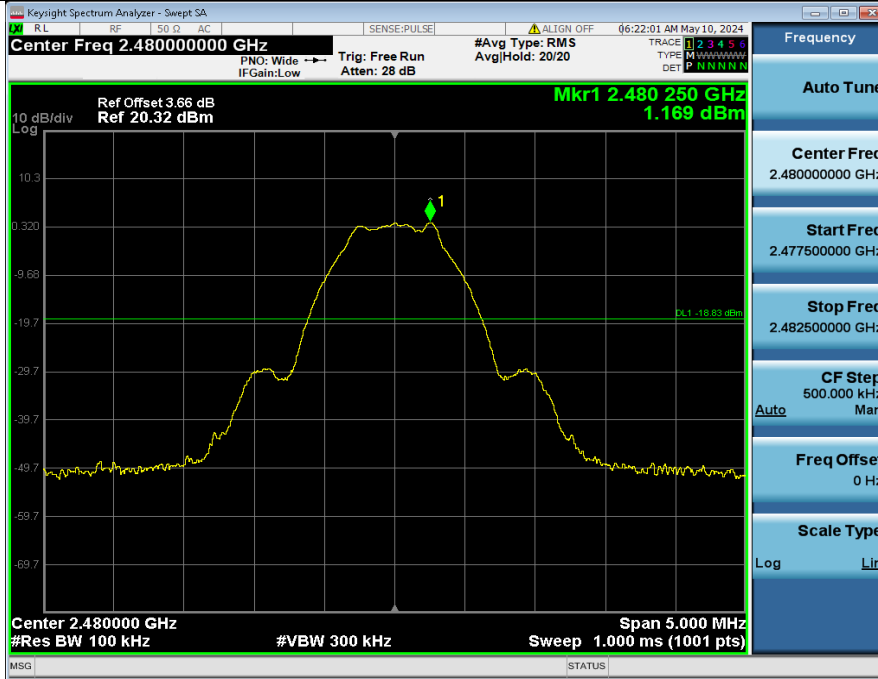
6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2399.965	-40.811	-14.490	Pass
NVNT	ANT1	1Mbps	2480	2487.575	-49.188	-18.831	Pass

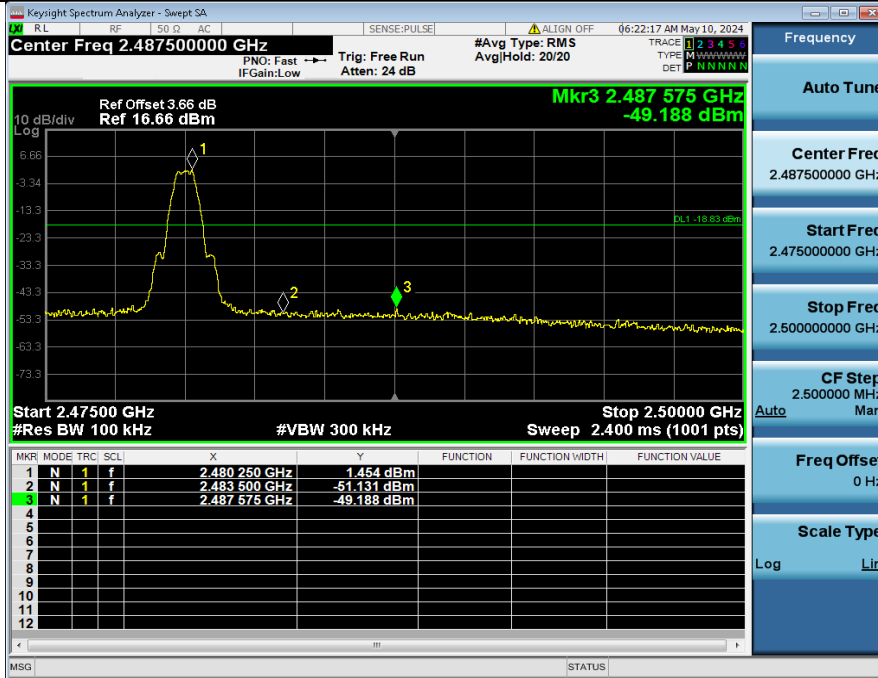


1 Reference_Level_NVNT_ANT1_1Mbps_2480





2_Bandedge_NVNT_ANT1_1Mbps_2480



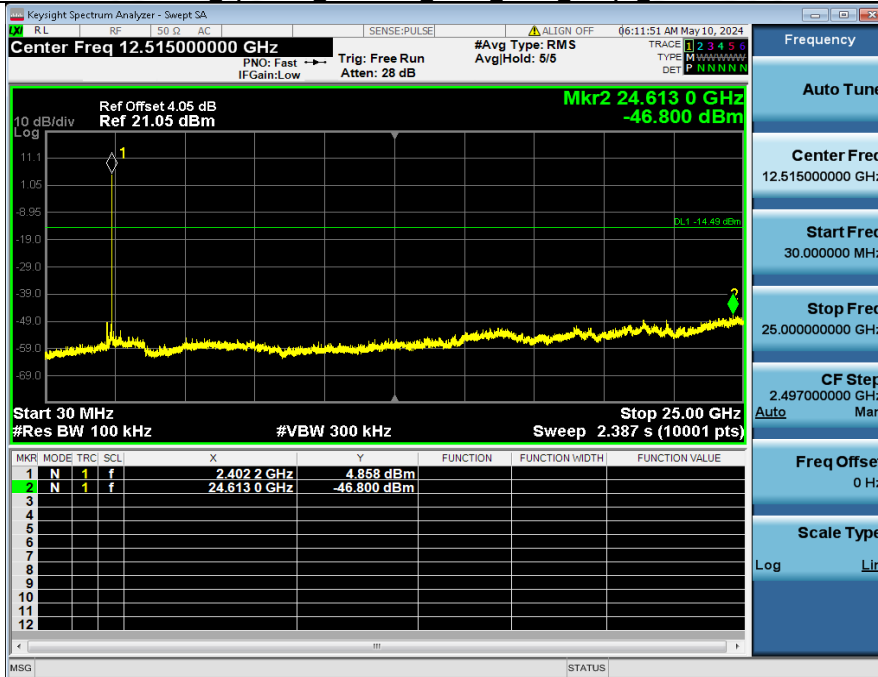
7. Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-46.800	-14.490	Pass
NVNT	ANT1	1Mbps	2440.00	-50.760	-18.551	Pass
NVNT	ANT1	1Mbps	2480	-50.005	-18.831	Pass

1 Reference_Level_NVNT_ANT1_1Mbps_2402

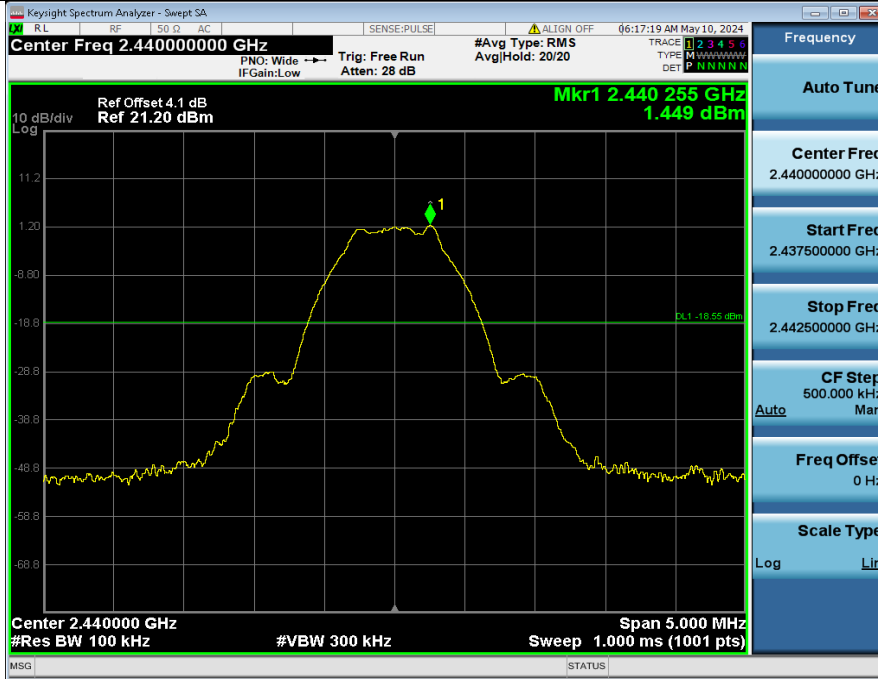


2 Spurious Emission_NVNT_ANT1_1Mbps_2402

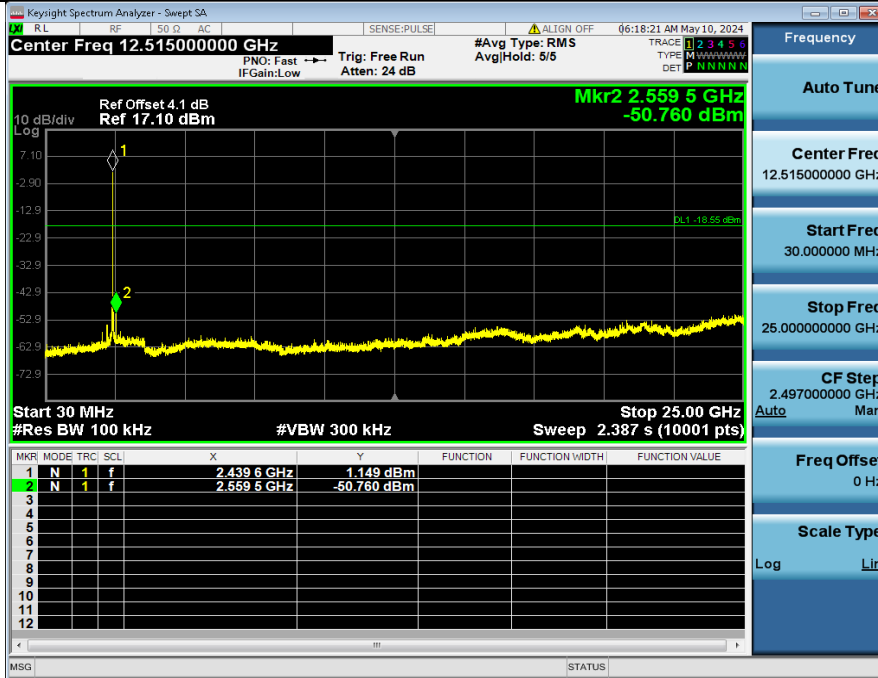


1 Reference_Level_NVNT_ANT1_1Mbps_2440



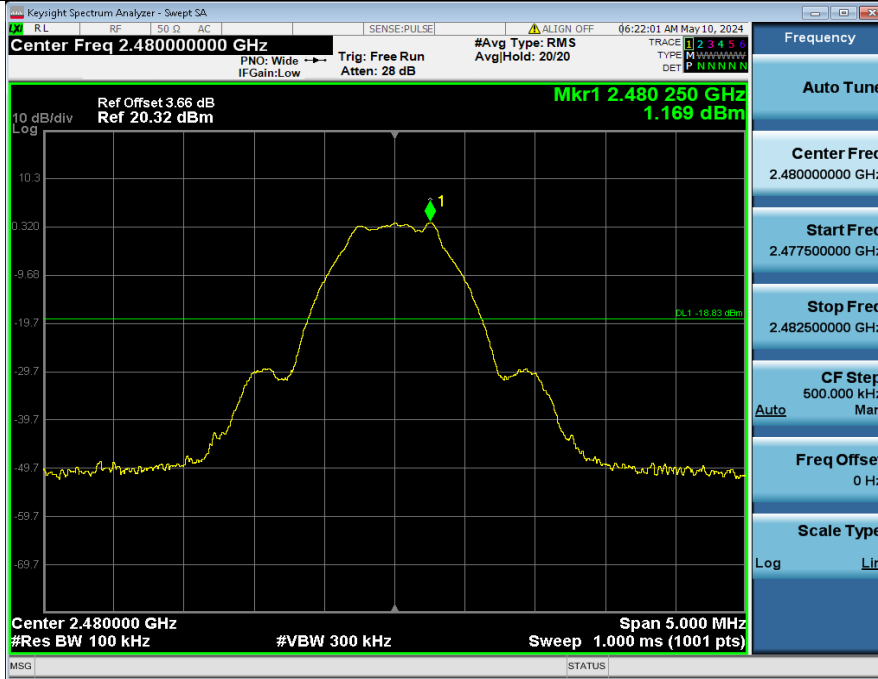


2_Spurious Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480





2_Spurious Emission_NVNT_ANT1_1Mbps_2480

