

# Appendix

## BLE Test Data

### for BTEK240507001AE



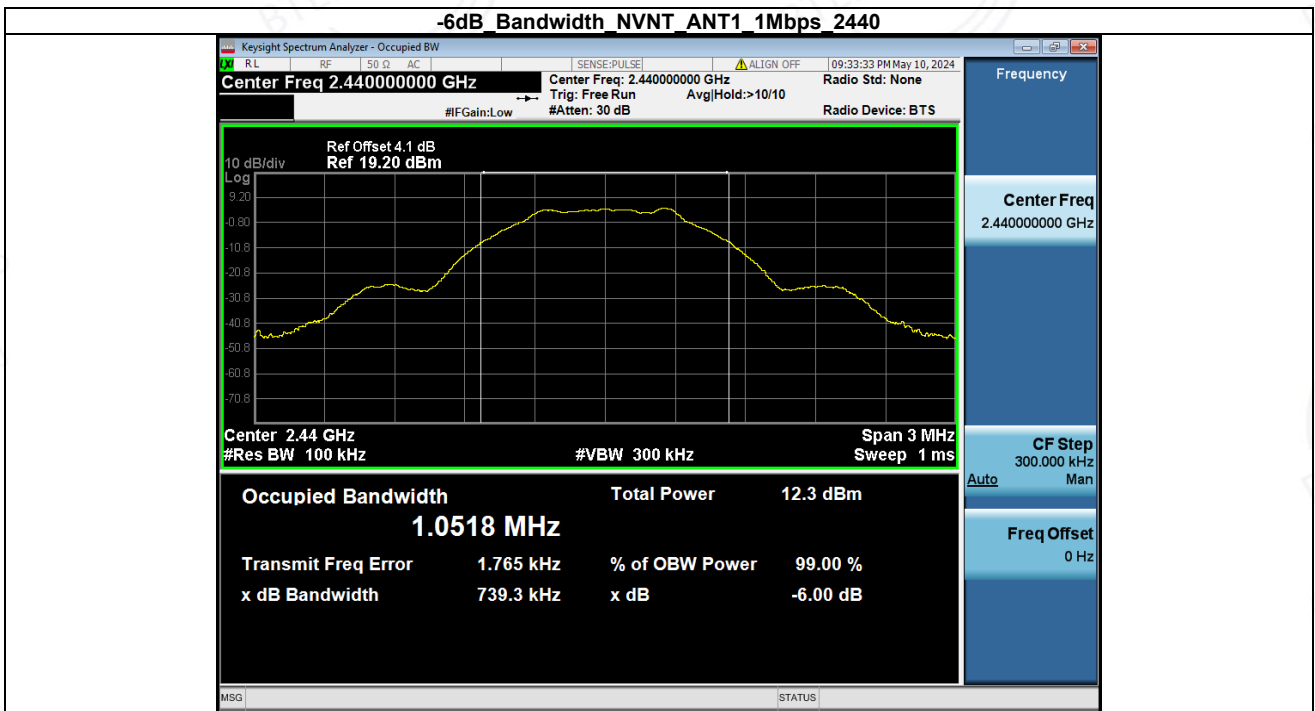
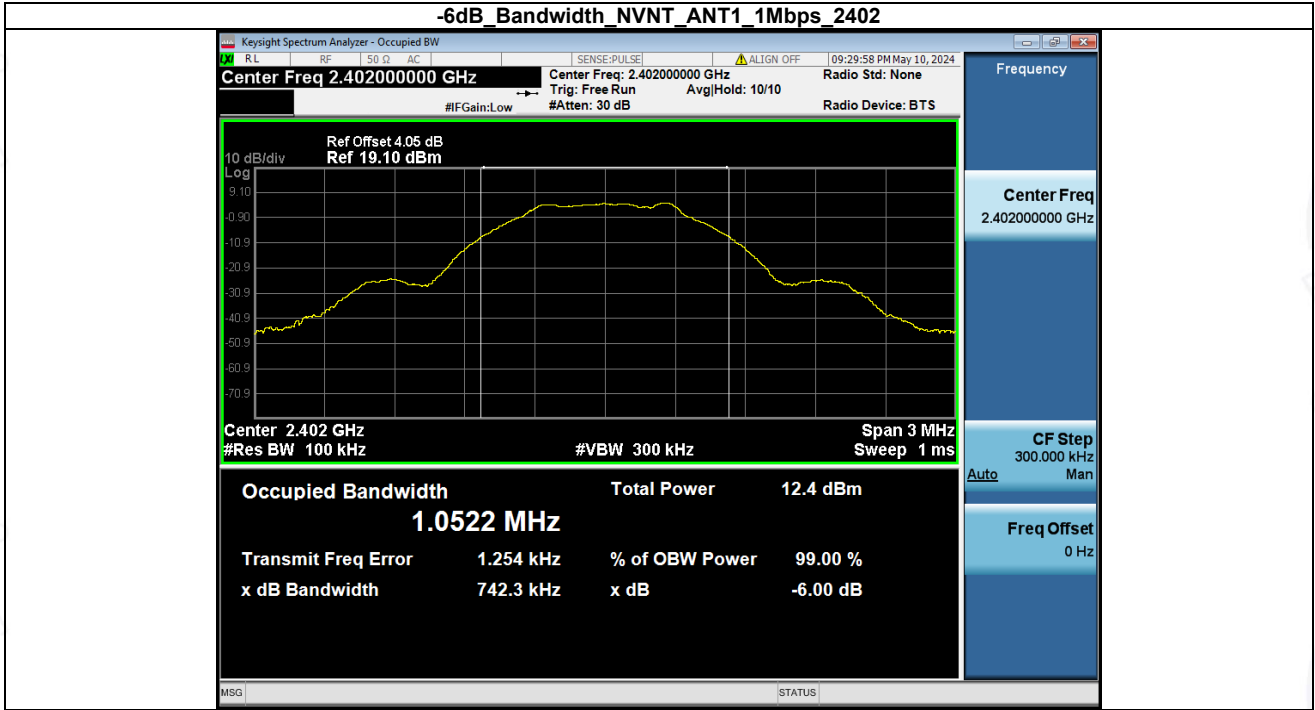
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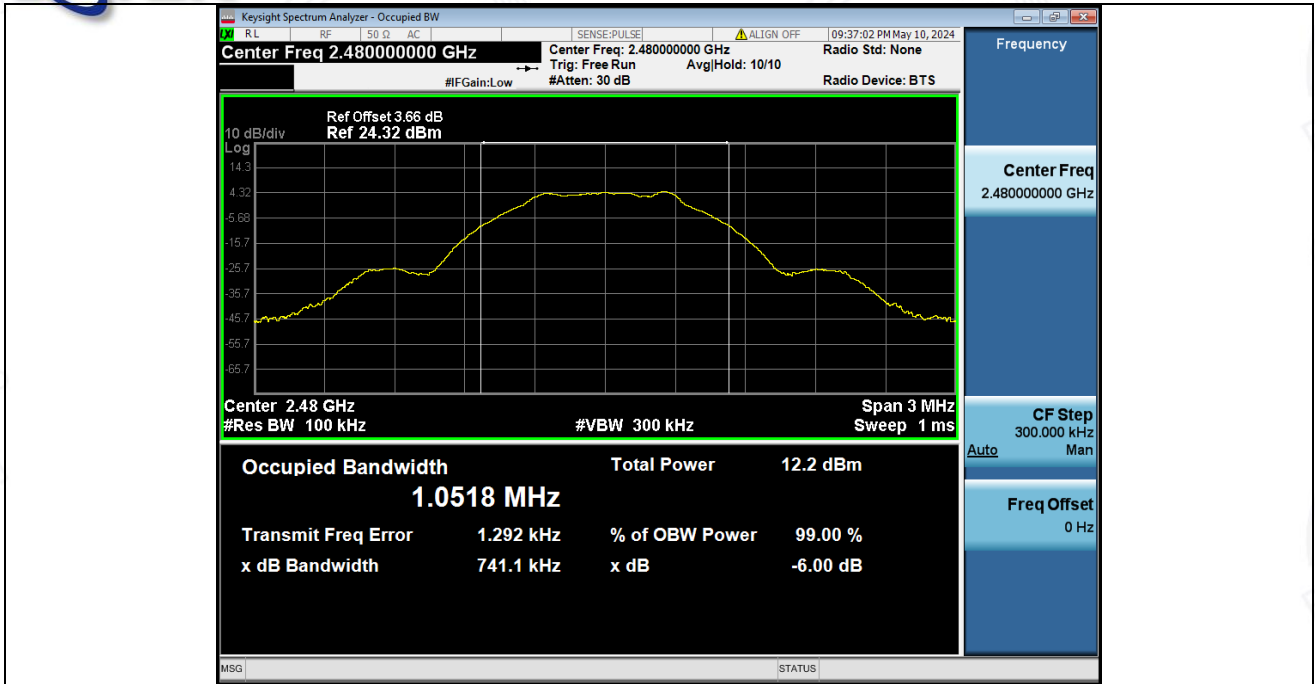
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# 1. -6dB Bandwidth

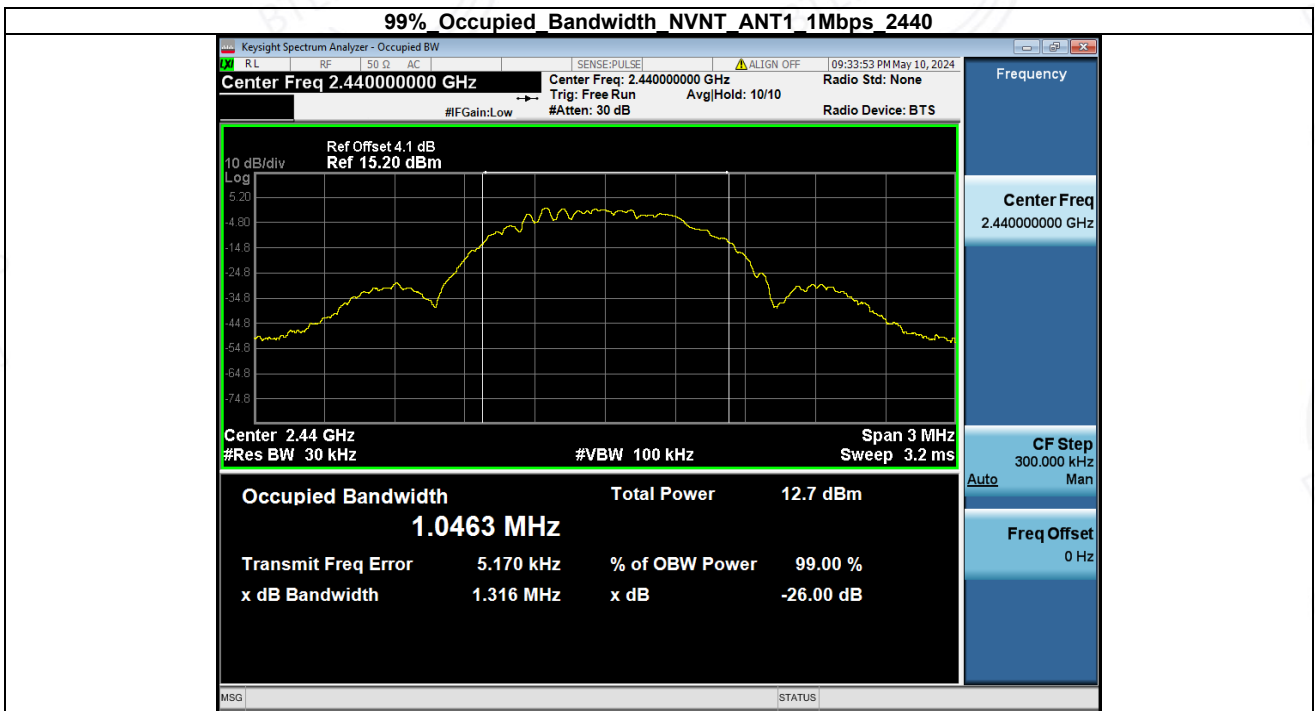
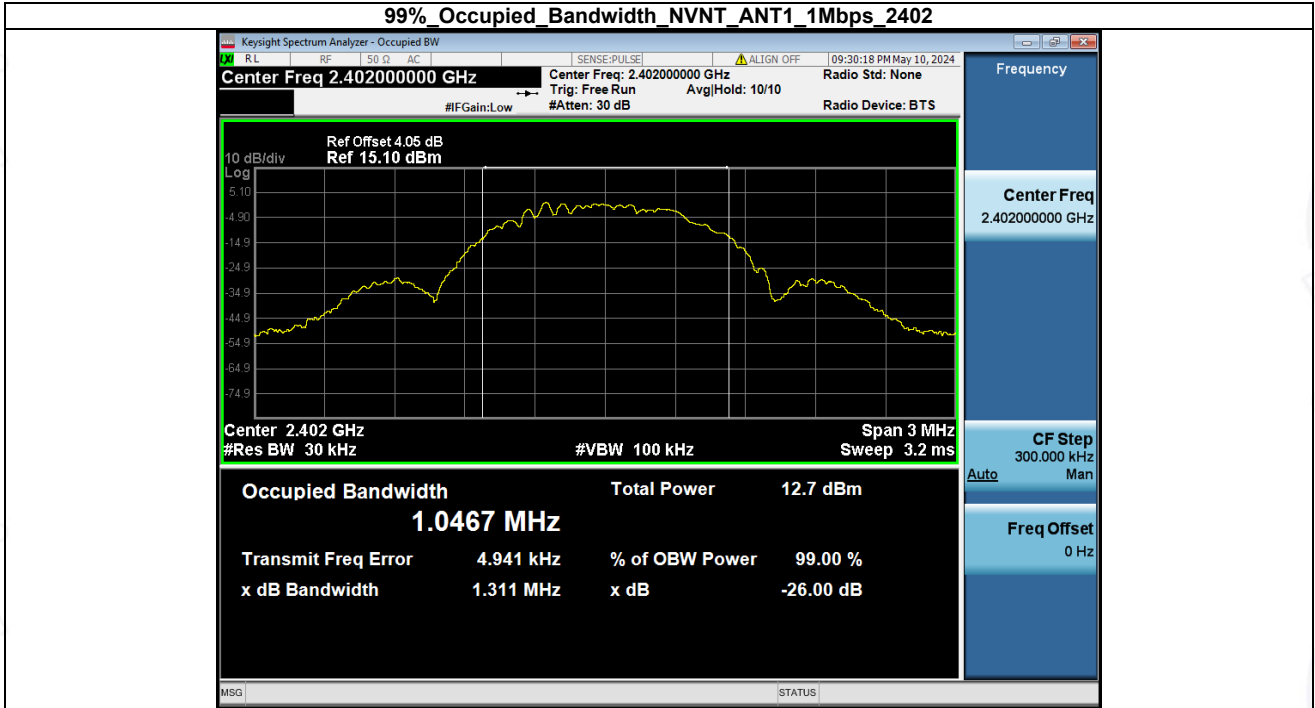
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	742.33	500	Pass
NVNT	ANT1	1Mbps	2440.00	739.31	500	Pass
NVNT	ANT1	1Mbps	2480	741.13	500	Pass





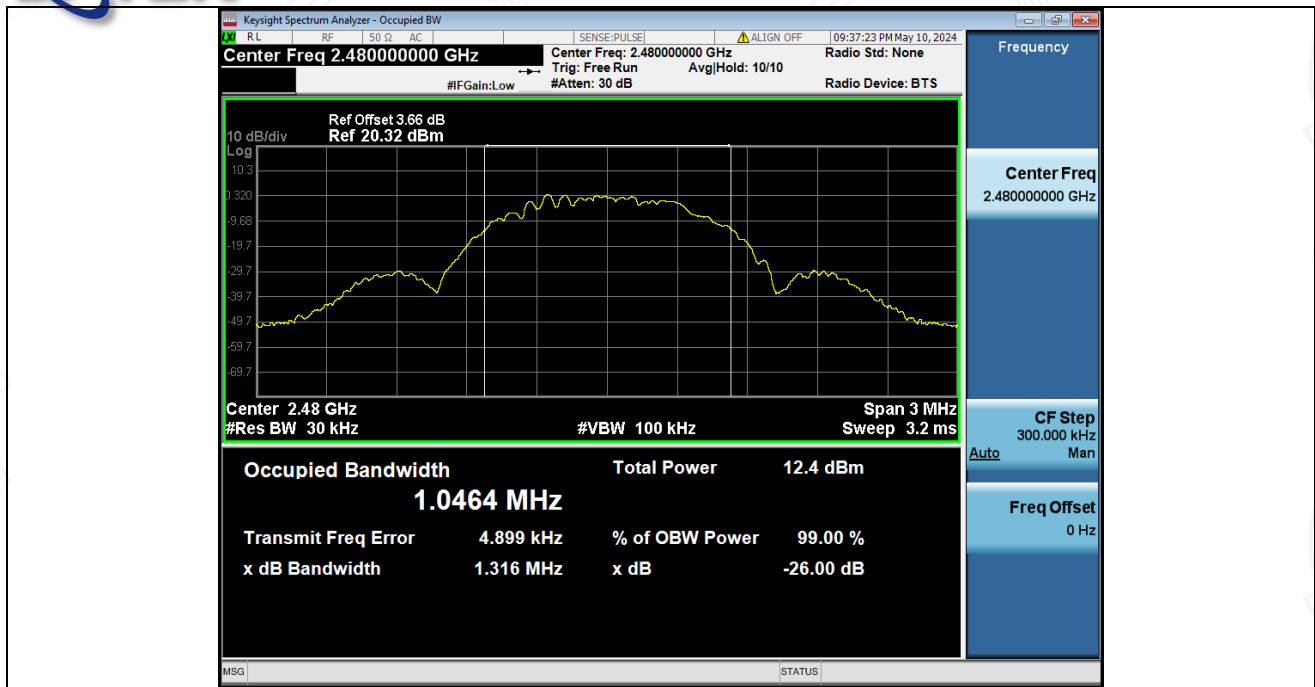
## 2. 99% Occupied Bandwidth

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



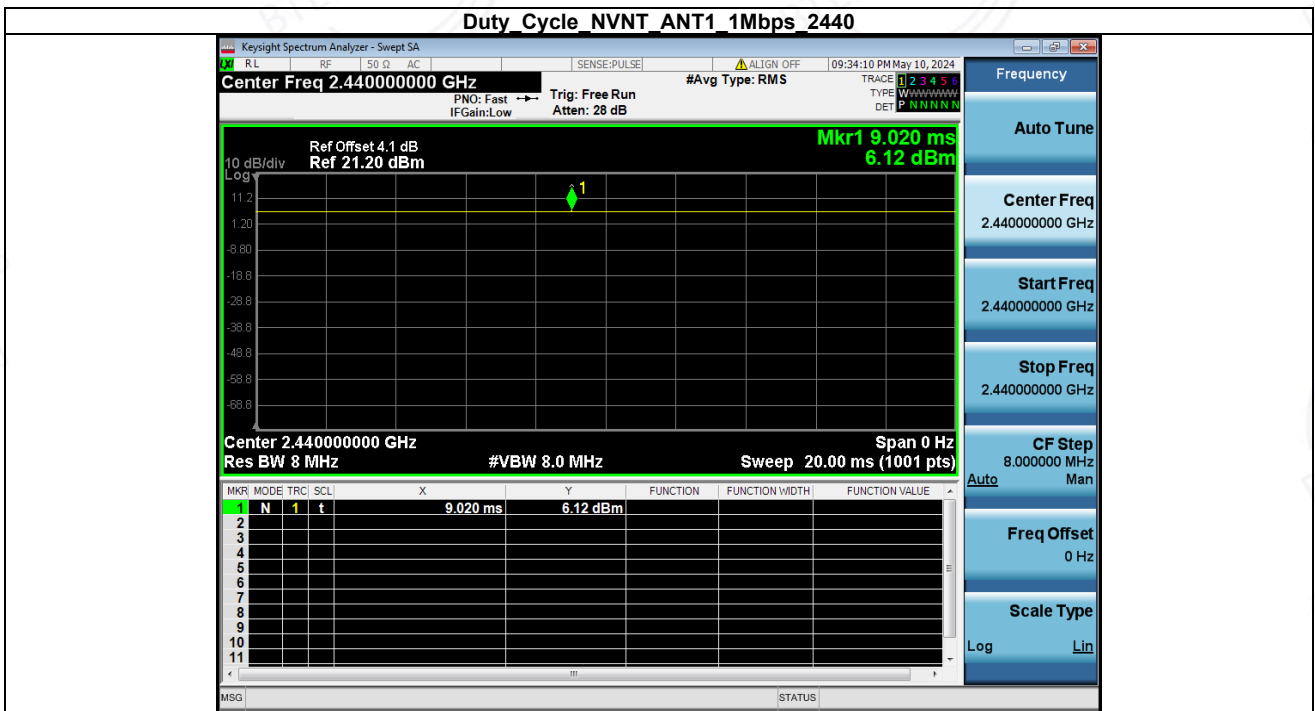
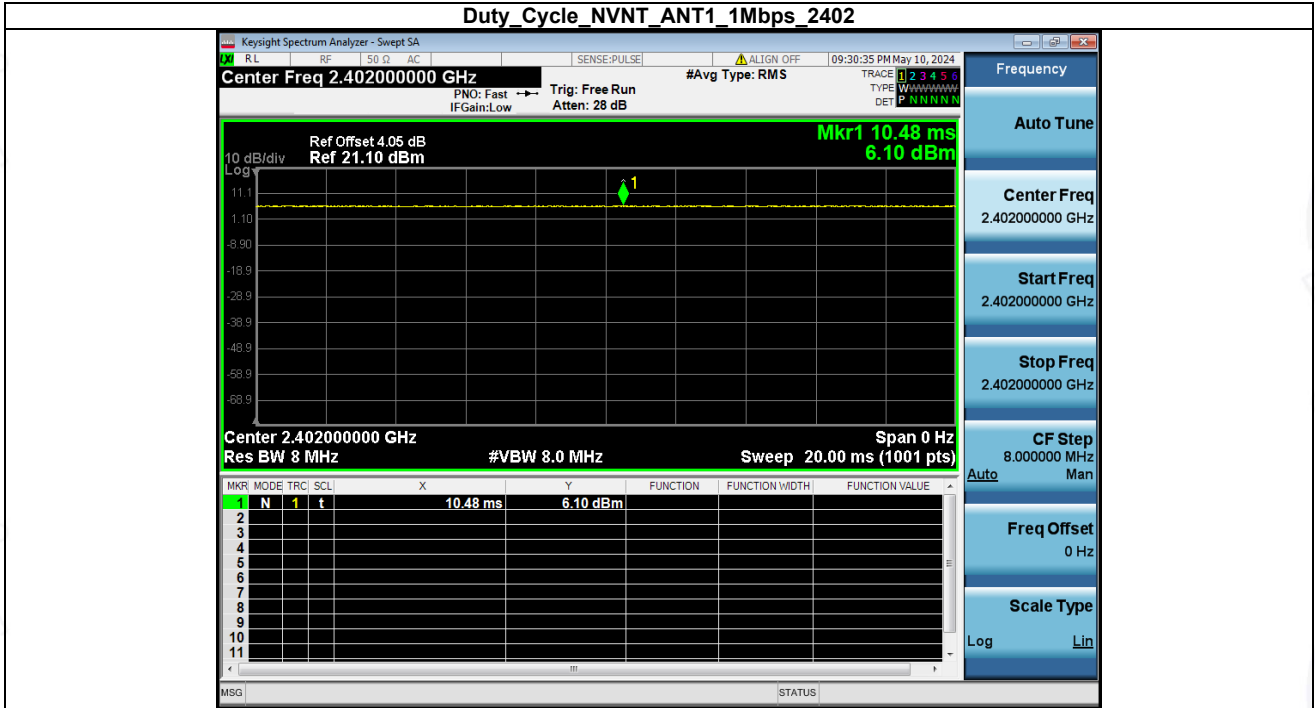
**99% Occupied Bandwidth NVNT ANT1 1Mbps 2480**





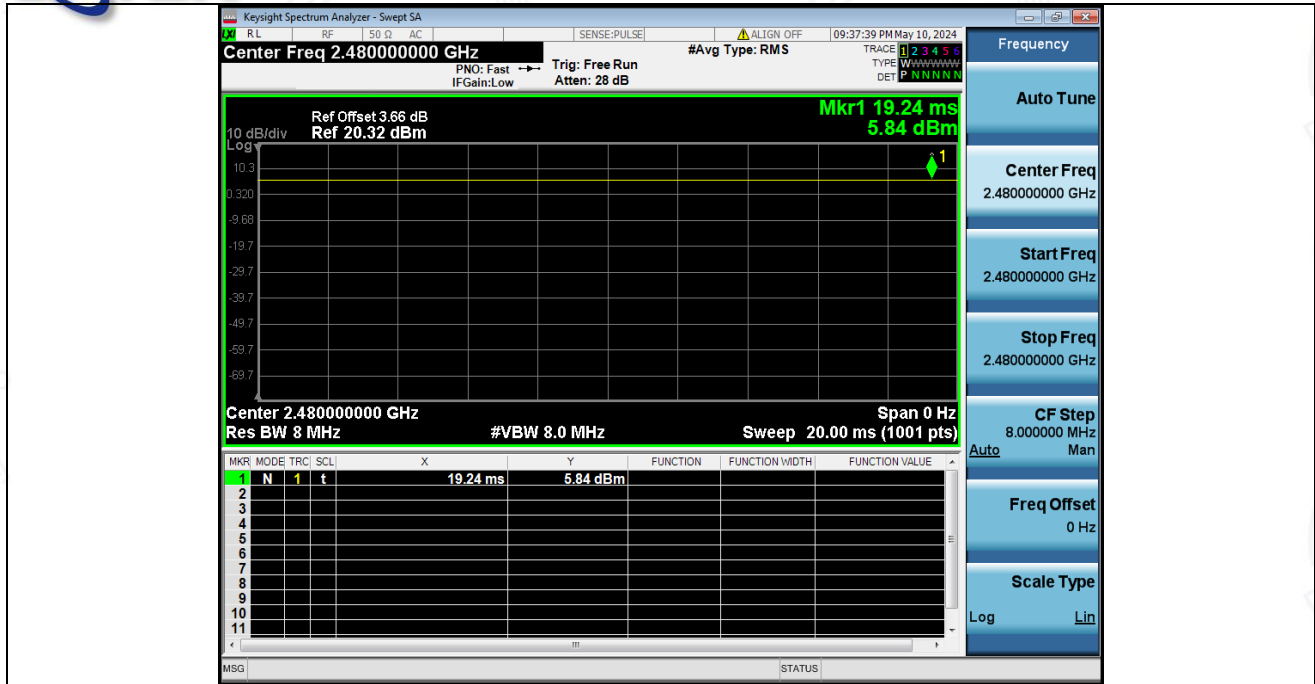
### 3. Duty Cycle

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**



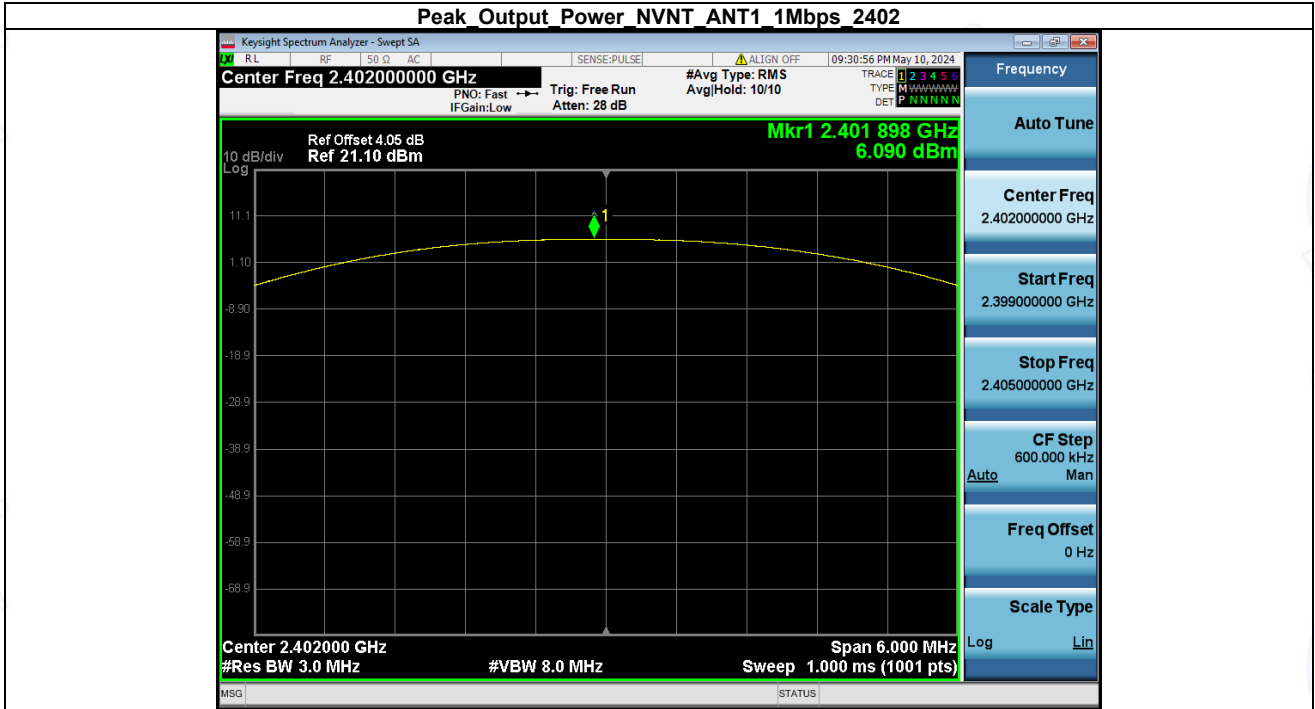




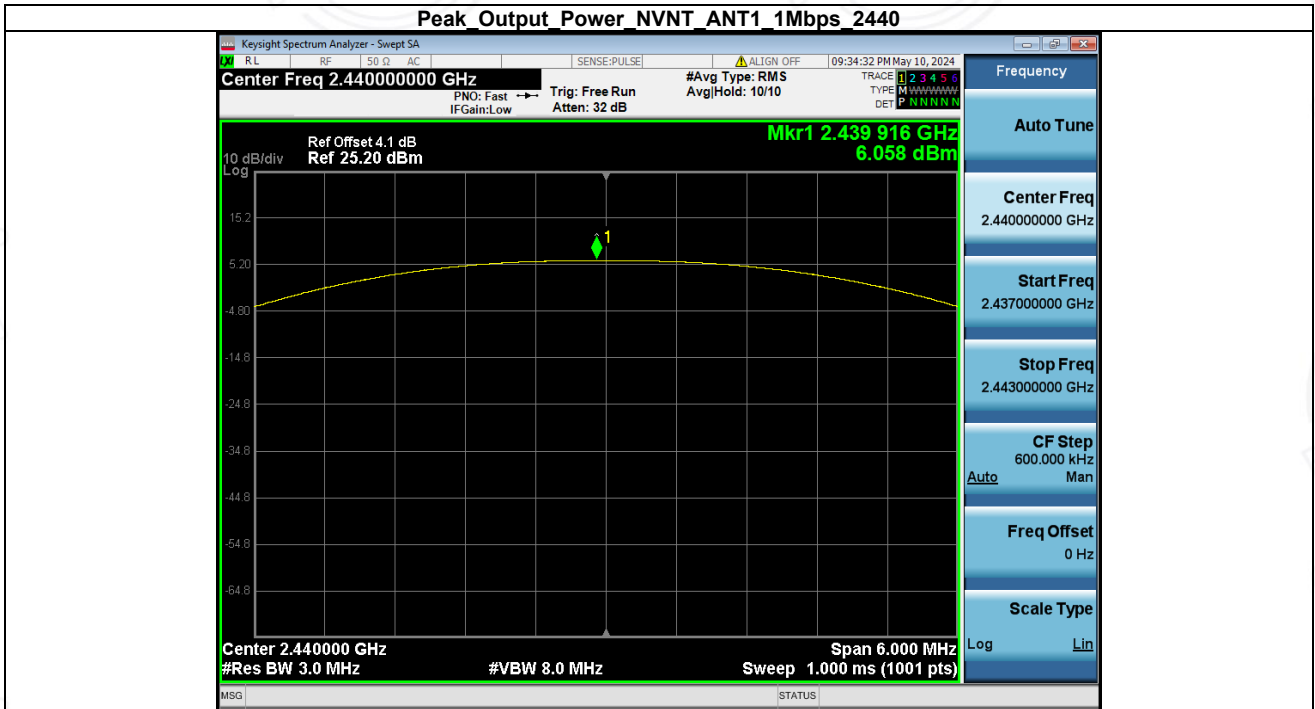
### 4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	6.09	4.06	1000	Pass
NVNT	ANT1	1Mbps	2440.00	6.06	4.03	1000	Pass
NVNT	ANT1	1Mbps	2480	5.82	3.82	1000	Pass

Peak Output Power NVNT ANT1 1Mbps 2402

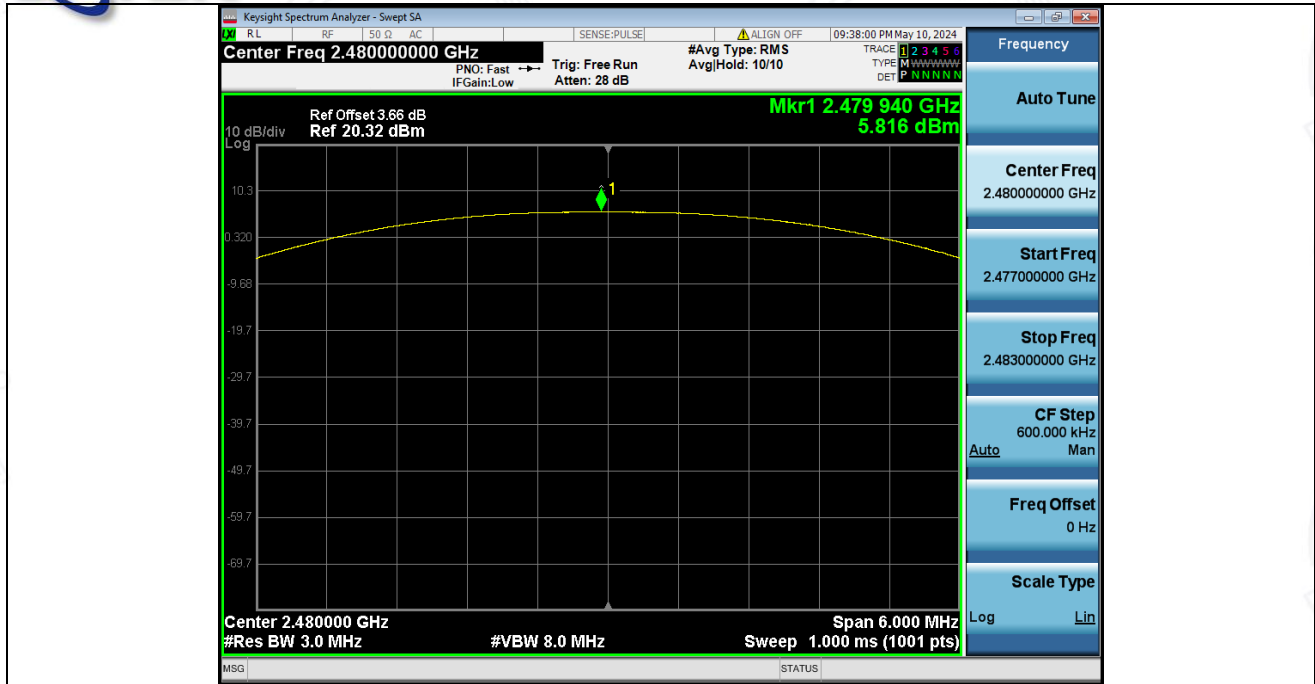


Peak Output Power NVNT ANT1 1Mbps 2440



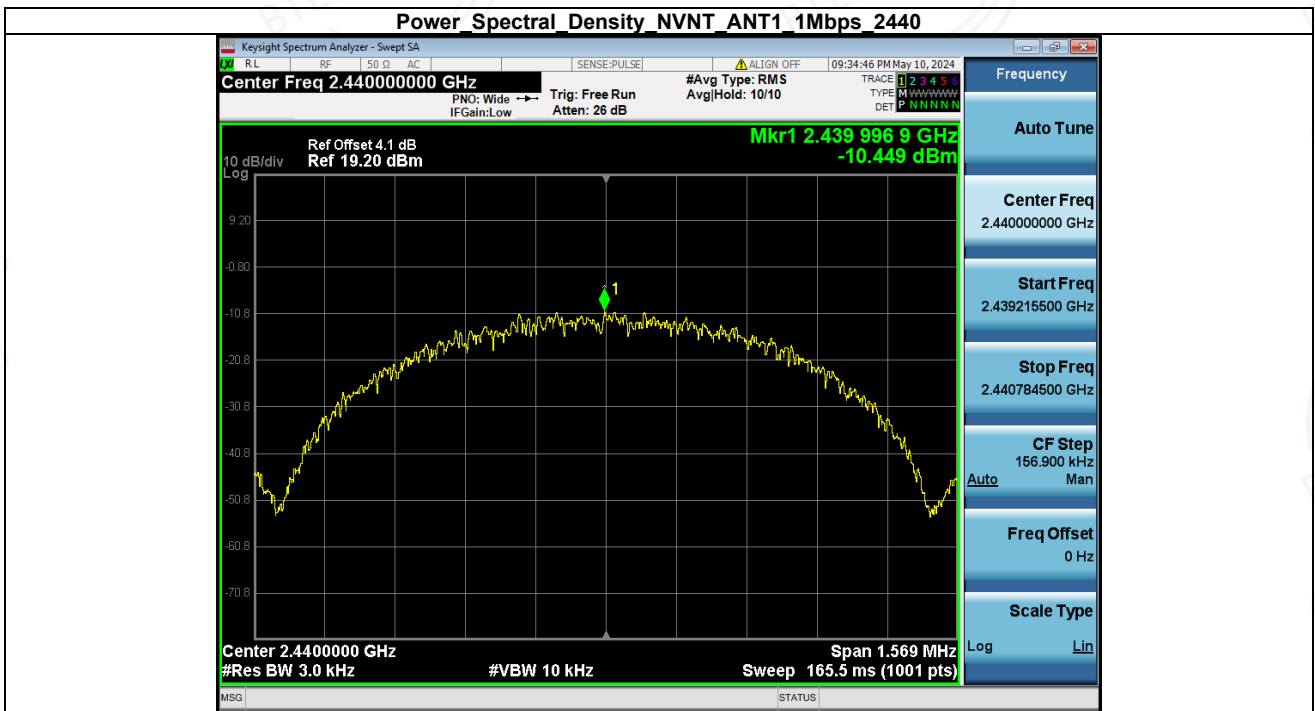
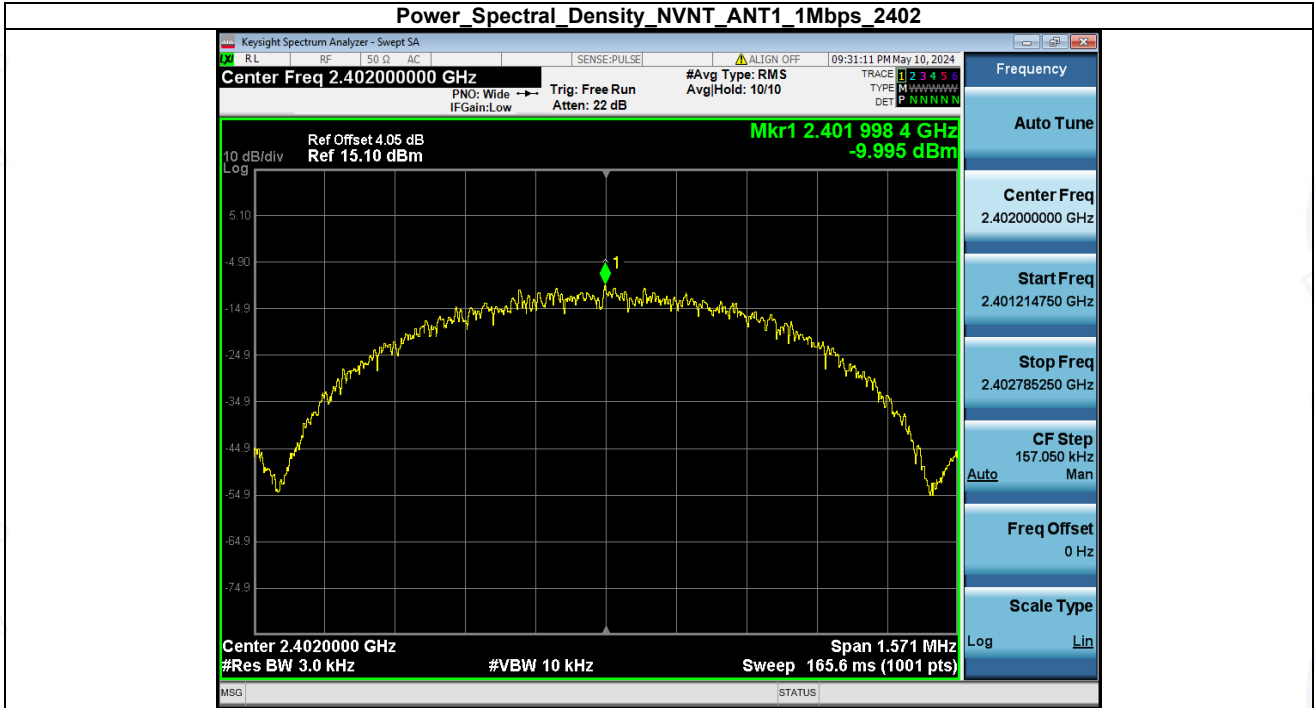
Peak Output Power NVNT ANT1 1Mbps 2480





### 5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-9.99	8	Pass
NVNT	ANT1	1Mbps	2440.00	-10.45	8	Pass
NVNT	ANT1	1Mbps	2480	-10.32	8	Pass



**Power Spectral Density\_NVNT\_ANT1\_1Mbps\_2480**

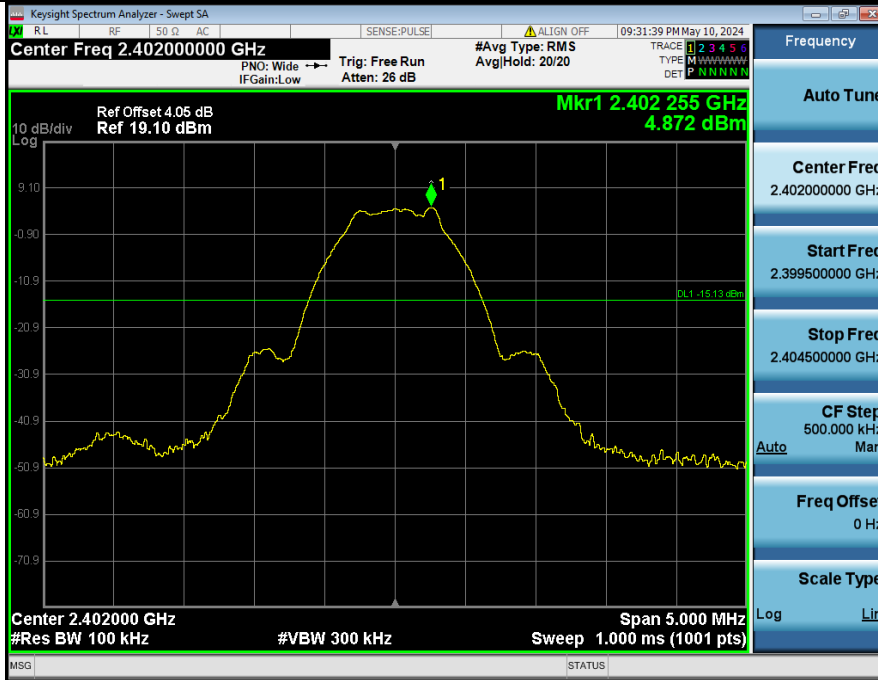




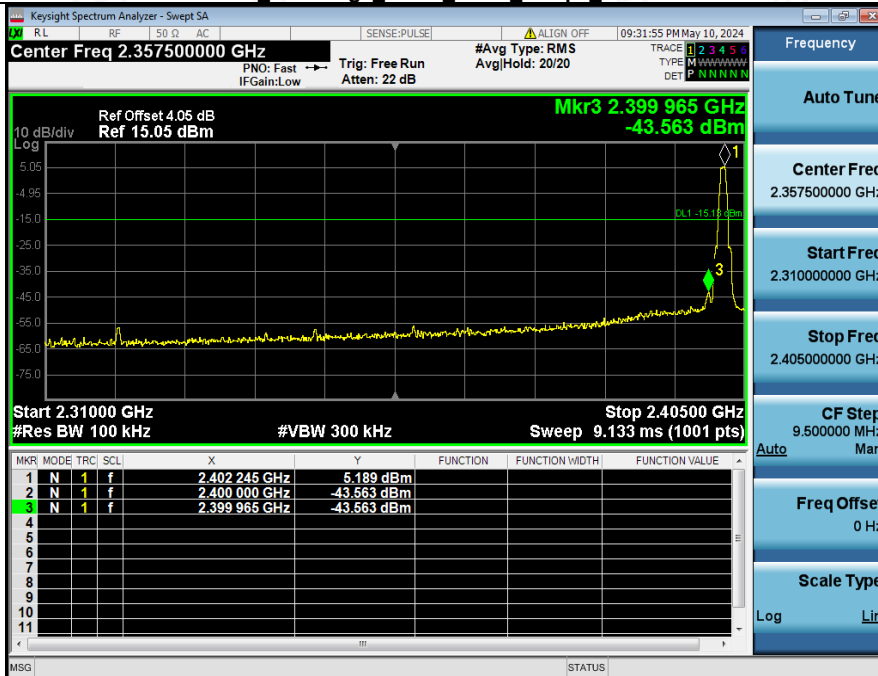
## 6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2399.965	-43.563	-15.128	Pass
NVNT	ANT1	1Mbps	2480	2483.525	-49.096	-15.299	Pass

1 Reference Level NVNT ANT1 1Mbps 2402

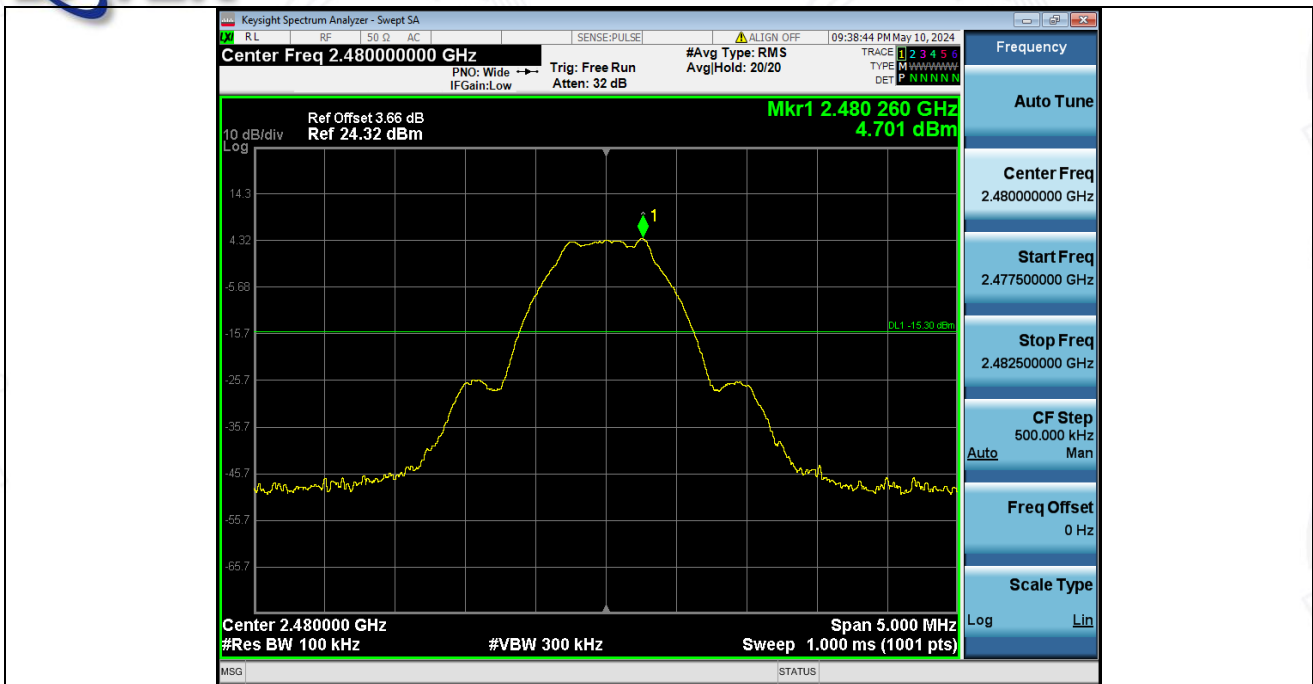


2 Bandedge NVNT ANT1 1Mbps 2402

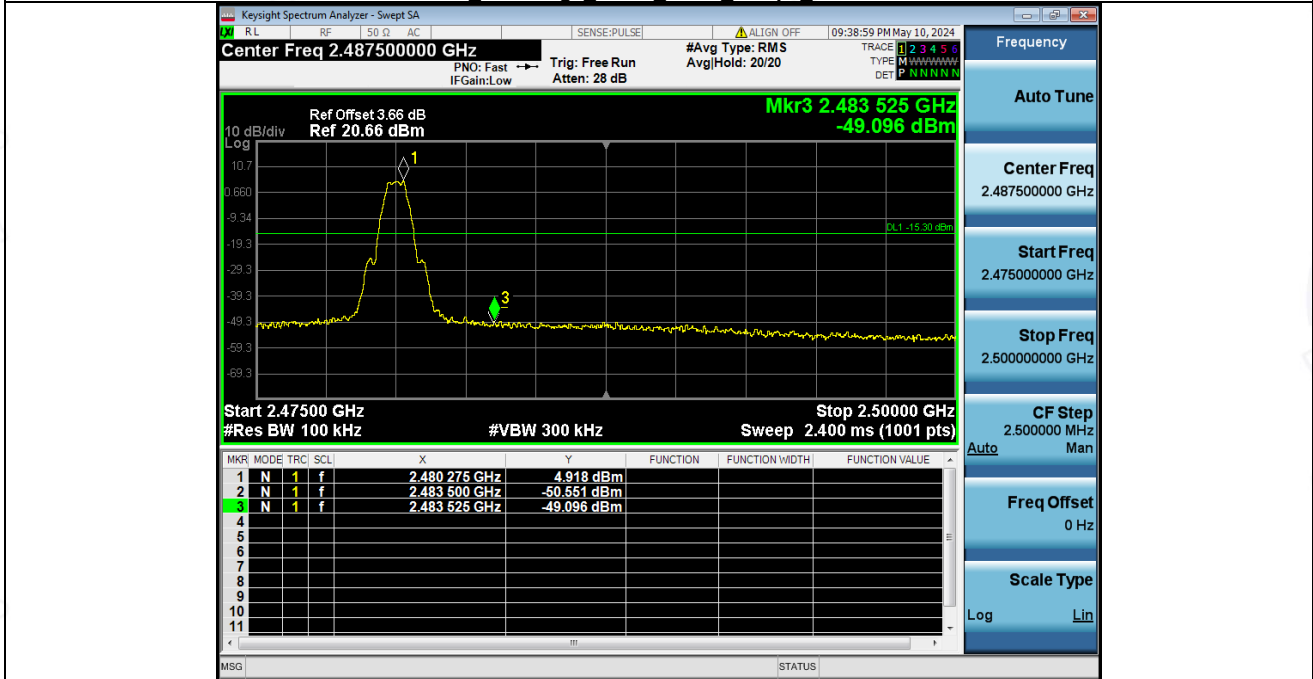


1 Reference Level NVNT ANT1 1Mbps 2480





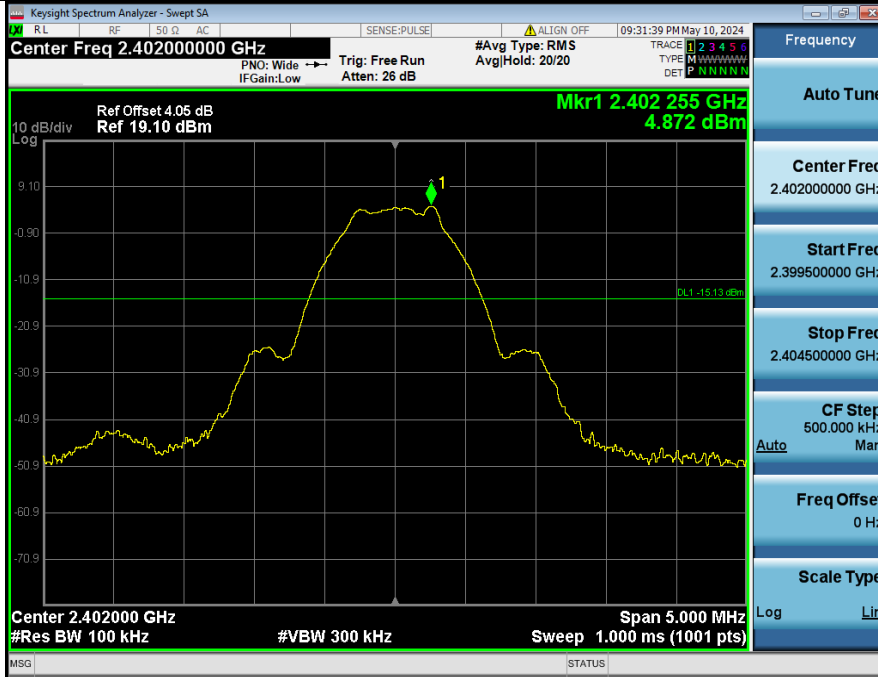
### 2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480



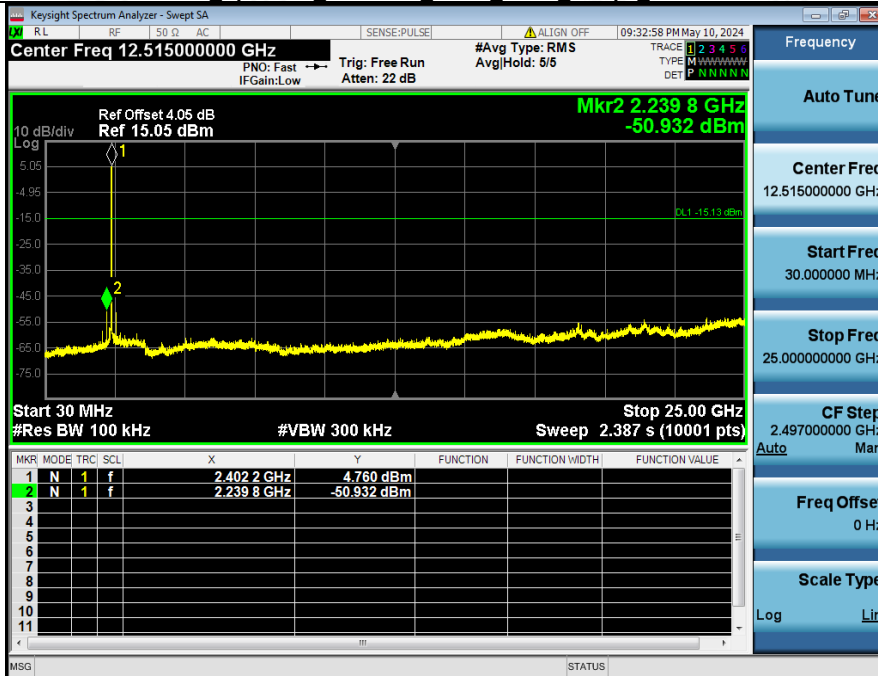
## 7. Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-50.932	-15.128	Pass
NVNT	ANT1	1Mbps	2440.00	-52.319	-14.972	Pass
NVNT	ANT1	1Mbps	2480	-47.672	-15.299	Pass

1 Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402

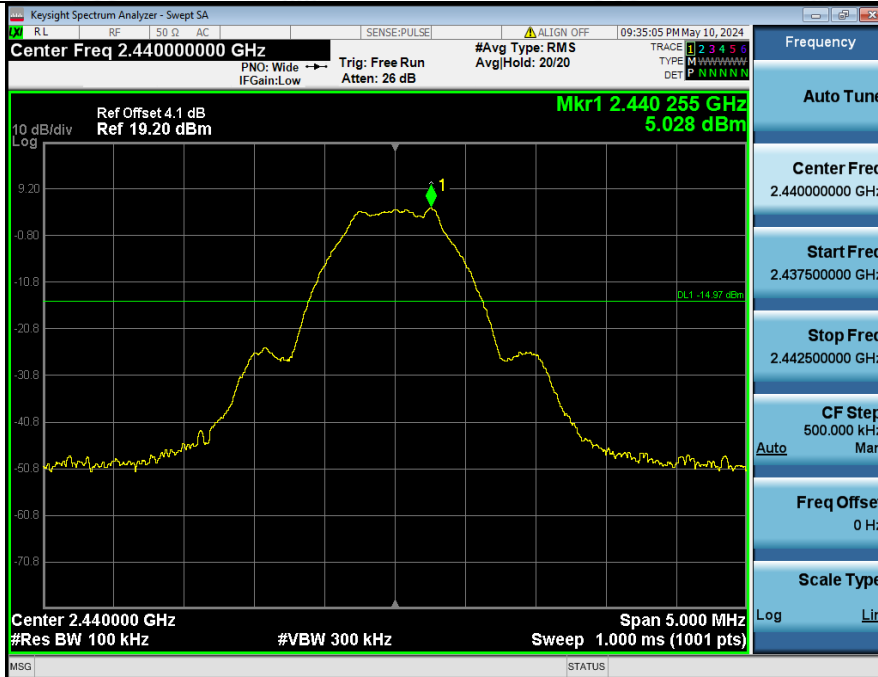


2 Spurious Emission\_NVNT\_ANT1\_1Mbps\_2402

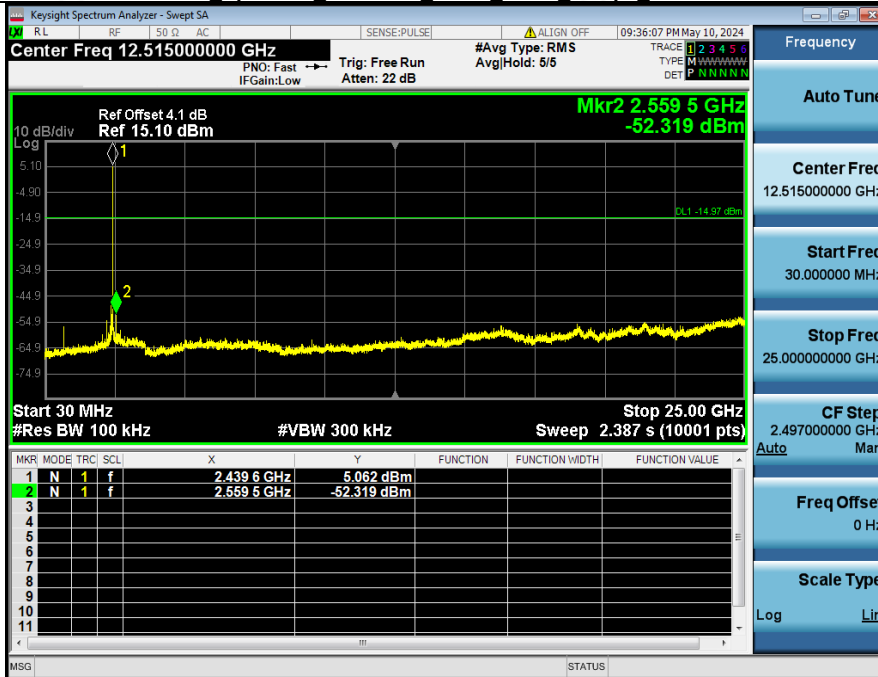


1 Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440





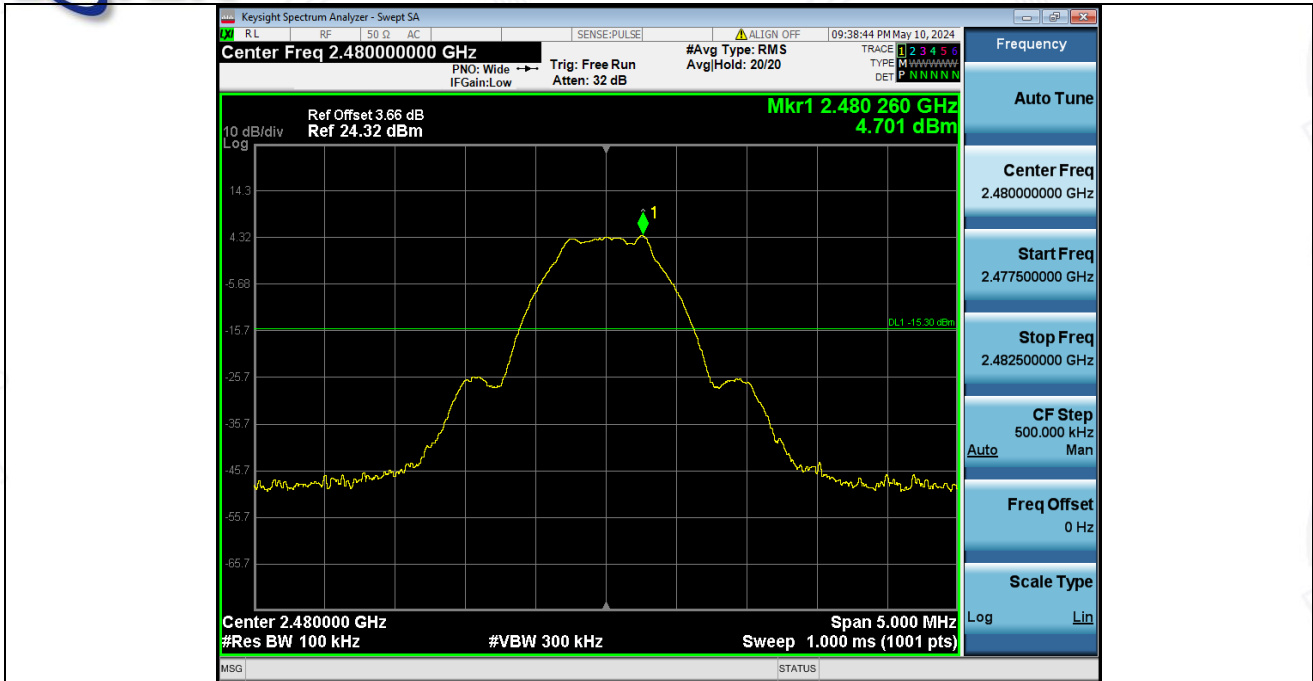
2 Spurious Emission\_NVNT ANT1 1Mbps 2440



1 Reference\_Level\_NVNT ANT1 1Mbps 2480







### 2 Spurious Emission NVNT ANT1 1Mbps 2480

