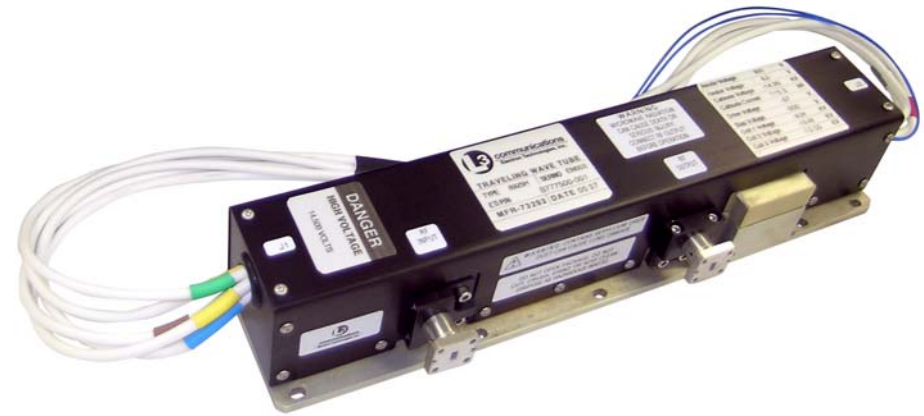


Ka/Q Dual-Band Multi-function RF TWT 5/5/08

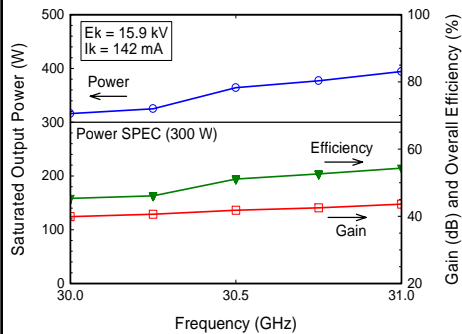
8923H TWT

- Frequency: 30–31 / 33–36 / 43.5–45.5 GHz
- Psat (min.): 300 W / 380 W / 175 W
- DC in (max): 780 W / TBD / 550 W
- Dissipation (max): 480 W / TBD / 380 W
- Size: 2.8" x 2.3" x 12.0"
- Weight: < 4 lbs

Note: Different voltages required for Ka and Q band operation

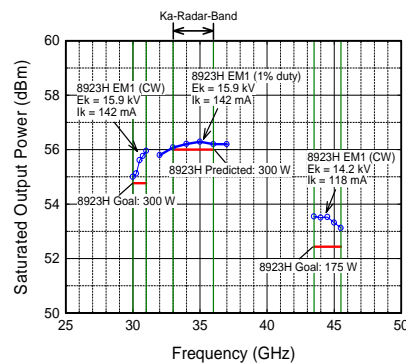


Ka Communications ($E_k = 15.9\text{kV} / I_k = 142\text{mA}$)

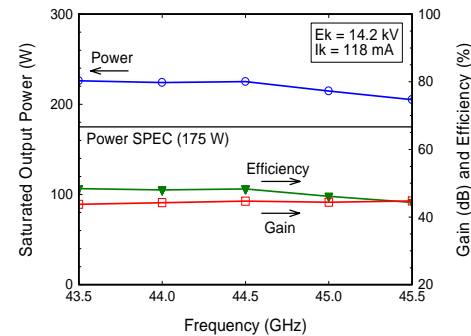


EM1 Measured Data

Ka Radar ($E_k = 15.9\text{kV} / I_k = 142\text{mA}$)



Q Communications ($E_k = 14.2\text{kV} / I_k = 118\text{mA}$)



- EM1 built / tested
- Additional builds planned
- 3rd Party TWTA under development