

What's on your Radar?

high power AMPLIFIERS

Rugged Efficient Compact

High Efficiency, Best in Class SWaP

Extensive Self Protection and Redundant Design Maximizes "On Air" Power

AC, 400 Hz, and DC Power Available

Easy Integration of Filters and T/R Switches

Remote or Local Control and Monitoring

Flexible Operating Modes Ideal for Radar and Related Research, Product Testing, Threat Simulation

Pulse Shape Matching Coming Soon



BANDS

C

S

L

UHF

VHF

HF

Solid State TWT Replacement
L-band - 10 kW Pulse - 9U chassis

Land

Mobile

Shipboard

Airborne



EMPOWER
RF SYSTEMS, INC.



www.EmpowerRF.com



1(310)412-8100

Empower RF Systems offers a wide variety of power amplifier transmitters as stand-alone or high power drivers up to several kilowatts. Tactical Transmit applications include distance measuring equipment (DME), military identification friend or foe (IFF), tactical air navigation (TACAN), secondary surveillance radar (SSR), and Joint Tactical Information Distribution System (JTIDS/MIDS). Additional products include HF for over-the-horizon (OTH), VHF and UHF for very long range (e.g. ballistic missile early warning) and foliage penetration (SAR). Empower has also provided amplifiers in L-band for long range air traffic control and surveillance (IFF) as well as S-band for moderate range surveillance and long range weather.

Empower's feature rich "Intelligent" amplifiers are designed to speed up your system integration with a feature set not found in any other COTS amplifiers, making this an ideal choice for radar research and threat simulation. Some of these features include:

- User selectable output power modes - AGC (Automatic Gain Control), ALC (Automatic Level Control) and Open Loop
- Selectable RF power detectors optimized to your waveform
- Optional Filter/Switches for improved harmonic rejection can be specified
- Compact, lightweight and portable for easier maneuverability in lab environments or tactical deployments
- Modern and multi-faceted Monitoring and Control user interfaces, including a Web browser and TCP/IP Ethernet
- *Unprecedented size, weight and power of our amplifiers is superior to anything in the market at similar frequencies and power levels*
- *Patented architecture that includes an internal "connector-less" RF path (an industry first) with the added benefit of an inherently rugged design.*

Technological achievements in the electro-mechanical design advances the state of the art for mobile applications.

Contact Empower RF Systems; +1 310 412 8100; sales@empowerrf.com

Contact Local Representative