

## **Case Study: 1 MW S-Band Transmitter Module**

**Requirement:** A cost effective, reliable S-band radar transmitter module for incorporation into a military system.

**Solution:** A 1 MW S-band transmitter module from Radtec's Transmitter Division.

A transmitter module, based on the CTL PM-510S magnetron, with a fully solid state modulator and support electronics was developed. The module includes a programmable filament power supply, regulated high voltage power supply, IGBT modulator, and various monitoring circuits. Automatic warm-up and duty cycle protection features are also provided.

This unit has been in production for over 2 years.

