TPS-79
Tactical Military Air Traffic Control Radar
TPS-79 - Operationally Proven, In-Production Air Surveillance Capability

Features

- Enhanced target detection in clutter/electronic interference environments
- Solid state S-band transmitter with frequency agility
- Integrated primary/secondary antenna
- Local or remote control & system monitoring
- Fail-Soft capability - high reliability/availability
- ICAO certified
- FAA certified ATC display system
- Six level weather detection
- Field proven system currently in production

Rapid Deployment, High Mobility

- Supports air traffic control in isolated operating locations
- C-130 transportable
- Standard NATO handling fittings
- Adaptable to existing, in-inventory primary transport vehicles
- Set-up/tear down in less than one hour

Performance

- Frequency: S-Band 2.7-2.9 GHz
- Peak Power: 21 kw
- Signal to Clutter: > 42 dB SCI
- Detection: > 80% on lm² @ 80 nm (12.5 rpm)
  > 80% on 2m² @ 102 nm (6 rpm)
- Altitude: 26,000 ft (12 rpm)
  32,000 ft (6 rpm)
- Azimuth: 360°
- Elevation: 0° to 30°
- Range: 0.5 – 80/102 nm
- Update Rate: 4.8 sec/10 sec
- Target Capacity: > 700 targets
- MTBCF: > 1,250 hours
- Availability: > 0.99
- Deployment: < 60 minutes