

Mobile EW and Radar Test System (MERTS)

**FOR TEST, EVALUATION
& TRAINING**

MERTS

**Mobile EW and Radar
Test System**



- ➔ **Turnkey Radar & EW Test, Calibration and Evaluation System**
- ➔ **Fully Mobile with On-Board AC Generator**
- ➔ **0.5 -18 GHz Coverage (other bands available)**
- ➔ **Includes ECM (CHAMELEON-II) and Radar Threat (RSS8000) Generation**
- ➔ **Antenna Positioner with TV Camera Control & Video/GPS Tracking**
- ➔ **High Power TWTA Units**
- ➔ **In-Service, Proven Performance**

ECM RF Characteristics

- ❑ 0.5 -18 GHz Continuous Operation (0.5 - 40 GHz available)
- ❑ 400 MHz DRFM Bandwidth
- ❑ IFM Analysis Receiver
- ❑ -60 dBm Receiver Sensitivity
- ❑ >60 dB Dynamic Range
- ❑ Up to 200 kW ERP (CW) or 2 MW (pulse)
- ❑ Full CHAMELEON-II Features

Radar Threat RF Characteristics

- ❑ 0.5 -18 GHz Continuous Operation (0.5 - 40 GHz available)
- ❑ 16 Simultaneous Threats Standard
- ❑ Full 8000 Product Features
- ❑ Up to 400 kW ERP (CW) or 2 MW (pulse)

Antenna System

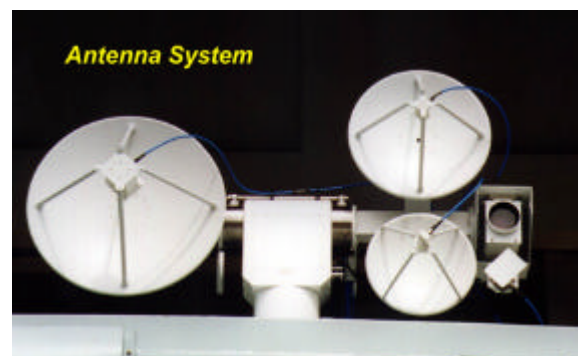
- ❑ Parabolic Dish System with High Power Horn Feeds
- ❑ Gains up to +33 dBi
- ❑ Adjustable Rx & Tx Polarisation
- ❑ Fully Stabilised Az/EI Positioner
- ❑ TV Camera Alignment/Tracking (video & GPS tracking option)

Software Features

- ❑ Integrated Radar Threat/ECM Software
- ❑ Full Suite of ECM Techniques
 - *RGPO
 - *VGPO
 - *Co-ordinated RGPO/VGPO
 - *Noise - Spot/Burst/Swept/Blink
 - *Inverse Gain
 - *Range/Frequency False Targets
 - *Amplitude Modulation
- ❑ Windows™ GUI Software
- ❑ Emitter/Platform/Scenario Databases
- ❑ "Fill-in-the-blanks" ECM Techniques
- ❑ User Defined ECM Libraries

Other Features

- ❑ Air-conditioned ISO Container (14 ft or 20 ft)
- ❑ Mercedes Unimog Vehicle (option)
- ❑ EW Receiver and Analysis Sub-System (option)
- ❑ Diesel AC Generator (16 kW)
- ❑ In Service, Proven System



Information Subject to Change Without Notice

00/04

