Mobile EW and Radar Test System (MERTS)

The mobile, complete solution for Radar Threat and ECM/Radar Target signal generation

- Turnkey radar & EW Test, Evaluation and Calibration system
- 0.5 - 40 GHz coverage available
- Can include ECM (Chameleon) and Radar Threat generation (RSS8000)
- Antenna Az/El positioner with TV camera control & video/GPs tracking. Can take external radar inputs
- High power TWTA’s, high gain antennas
- In service, proven performance

MERTS (Mobile EW and Radar Test System) provides a fully mobile, turnkey Test & Evaluation capability for field applications and can include both the Chameleon and RSS8000 systems integrated into one operational unit. The MERTS equipment is housed in an air conditioned ISO container and enables on site test and evaluation of radar and EW systems as well as operator training.

The transmitter and antenna system features a TV camera pointing and tracking facility, GPS tracking and blind tracking from external radar inputs. The system utilises high power TWTA’s which can deliver an ERP of +90dBm (1MW).

The MERTS is currently in service with several countries and being used as an EW training asset on dedicated ranges and as a mobile ESM calibration facility for Naval applications.

MERTS Options Include:
1. Radar Threat Simulator (RSS8000P) based System
2. ECM/Radar Target Simulator (Chameleon) based System
3. Complete System including RSS8000 & Chameleon
Mobile EW and Radar Test System (MERTS)

Air conditioned ISO container provides capability for 0.5-40 GHz coverage with EO/IR DIRCM option

Typical 0.5-18 GHz Antennas with EO/IR capability

Contact us for further details and technical datasheets on:
1. Radar Threat Simulator (RSS8000P)
2. ECM/Radar Target Simulator (Chameleon)

MERTS Std

Typical Standoff ranges vs receiver sensitivity

Information Subject to Change Without Notice.