# MERTS

# MOBILE EW AND RADAR TEST SYSTEM

MERTS with 0.5-18GHz capability including UV stimulator, IR and video tracking

## KEY FEATURES

- THE MOBILE, COMPLETE SOLUTION FOR RADAR THREAT AND ECM/ RADAR TARGET SIGNAL GENERATION
- TURNKEY RADAR & EW TEST, EVALUATION AND CALIBRATION SYSTEM
- 0.5 GHZ TO 40 GHZ COVERAGE
- 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, RELIABLE AND PROVEN PERFORMANCE

## DESCRIPTION

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.

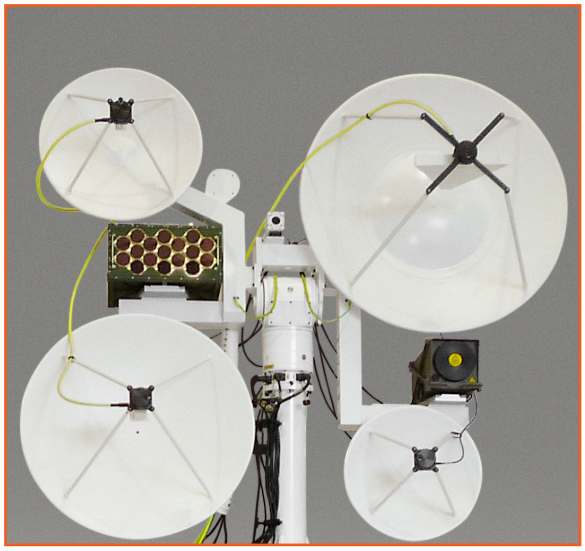
The transmitter and antenna system features a TV camera pointing and tracking facility, GPS tracking and blind tracking from external radar inputs. The system utilises high power TWTAs which can deliver an ERP of +90dBm (1MW).

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

## OPTIONS

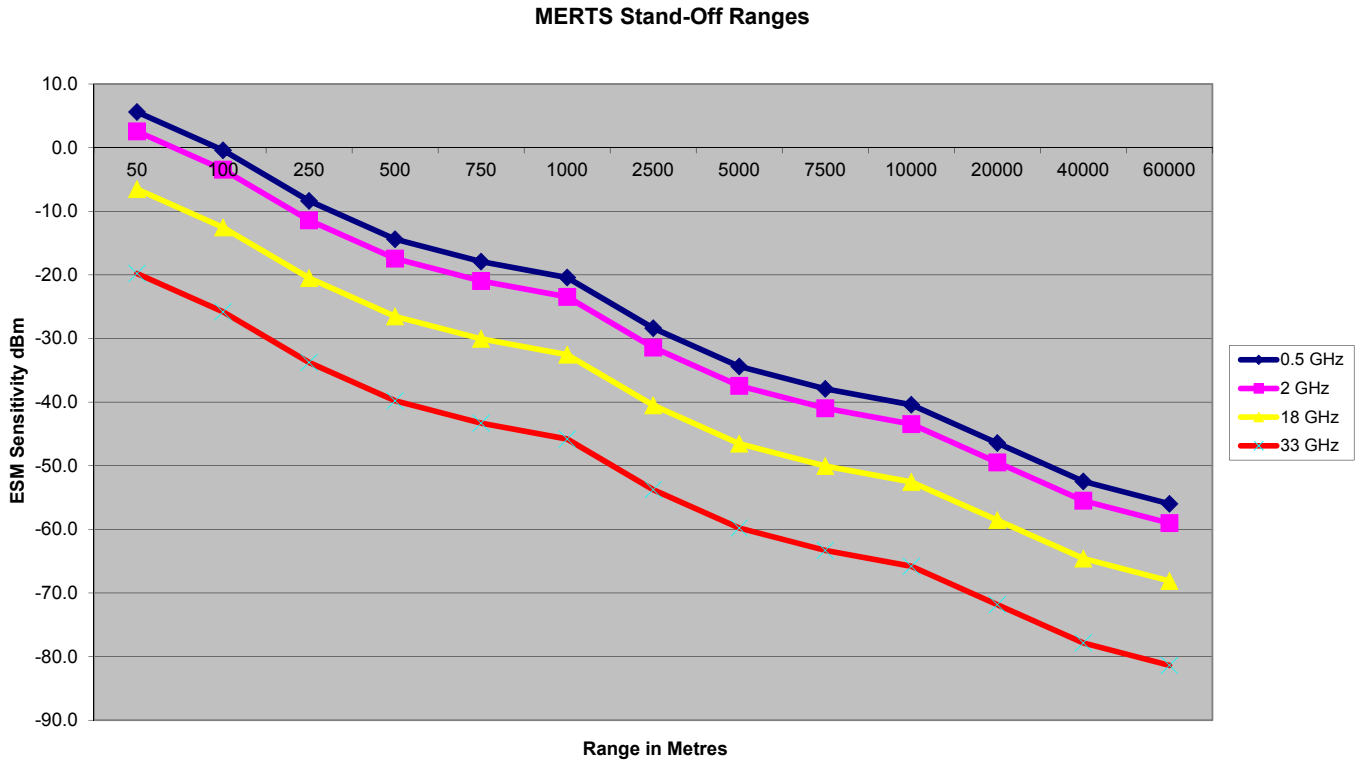
- Radar Threat Simulator (RSS8000P) based System
- ECM/Radar Target Simulator (Chameleon) based System
- Complete System including RSS8000 & Chameleon

EWST | Ultra ELECTRONICS



0.5-18GHz with DIRCM capability

20ft ISO Container with Air Conditioning




Typical standoff engagement ranges

Ultra ELECTRONICS

**making a difference**

**Ultra Electronics**
EWST
Building A8, Cody Technology Park
Ively Road, Farnborough
Hants GU14 0LX, England
Tel: +44 (0)1252 512951
Fax: +44 (0) 1252 512428
www.ultra-ewst.com
www.ultra-electronics.com