



Jammer Training System

A proven end-to-end system for realistic threat emulation

Mercury's jammer training system provides a complete out-of-the-box solution to test and train radar and communications operators by effectively emulating real electronic attack scenarios in a variety of contested environments. Mercury leverages technology proven in airborne testing and training, enhances it to support both ground and air applications, and features an advanced signal processing system, intuitive HMI (human-machine interface) subsystem and antennas.

The HMI subsystem provides operators control and status during training, allowing them to provide real-time access to the realistic scenarios as needed during operation. An advanced signal processing system provides tracking and modification providing them real-time access to the training scenario. Antennas provide signal reception and signal amplification for over-the-air electronic warfare training.

Highlights

- Emulates advanced jamming threats in diverse contested environments
- Operates with proven government techniques ensuring accurate emulation of real EA scenarios
- Meets commercial standard for shipping and portability

Featured Product JTS0100



The JTS0100 offers a complete solution for ground-based radar and can be set up in under an hour.

The fully rugged system offers up to four independent channels across the frequency band and an extensive electronic attack techniques library that includes radar jamming and deception, allowing users to test and train against evolving real-world threats to accurately operating radar systems to identify and track targets while minimizing the effects of adversarial jamming.

BENEFITS

Validated EA scenario emulation and threat library

Setup in under an hour and easy operation

High-performance RF and digital processing for diverse environments

FEATURES

Up to four channels for use across the 2-18 GHz frequency band

Portability that meets commercial shipping limitations and quick set up

Proven techniques with a validated EW threat library

DESIGNED FOR GROWTH

System scales to ADRFM(V)4 2-18 GHz

Antennas, wiring, transport cases scale

Updates for SSPA to extend in frequency

Memory/PCIe retention and vibration dampeners

Patented airflow baffle

Advanced thermal and mechanical design

Remote noise-level control

Optional dust cover

DRFM-BUILT FOR RAPIDLY DEVELOPING TECHNOLOGIES

Jammer training systems use a modular, open architecture approach by leveraging Mercury's DRFM (digital radio frequency memory) technology. This enables the delivery of real-time processing to the spectrum so that pilots and other operators can modify radar signals for greater safety from radar-guided threats.

To learn more about DRFM technology, visit: mrcy.com/capabilities/technologies/drfm-technology



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