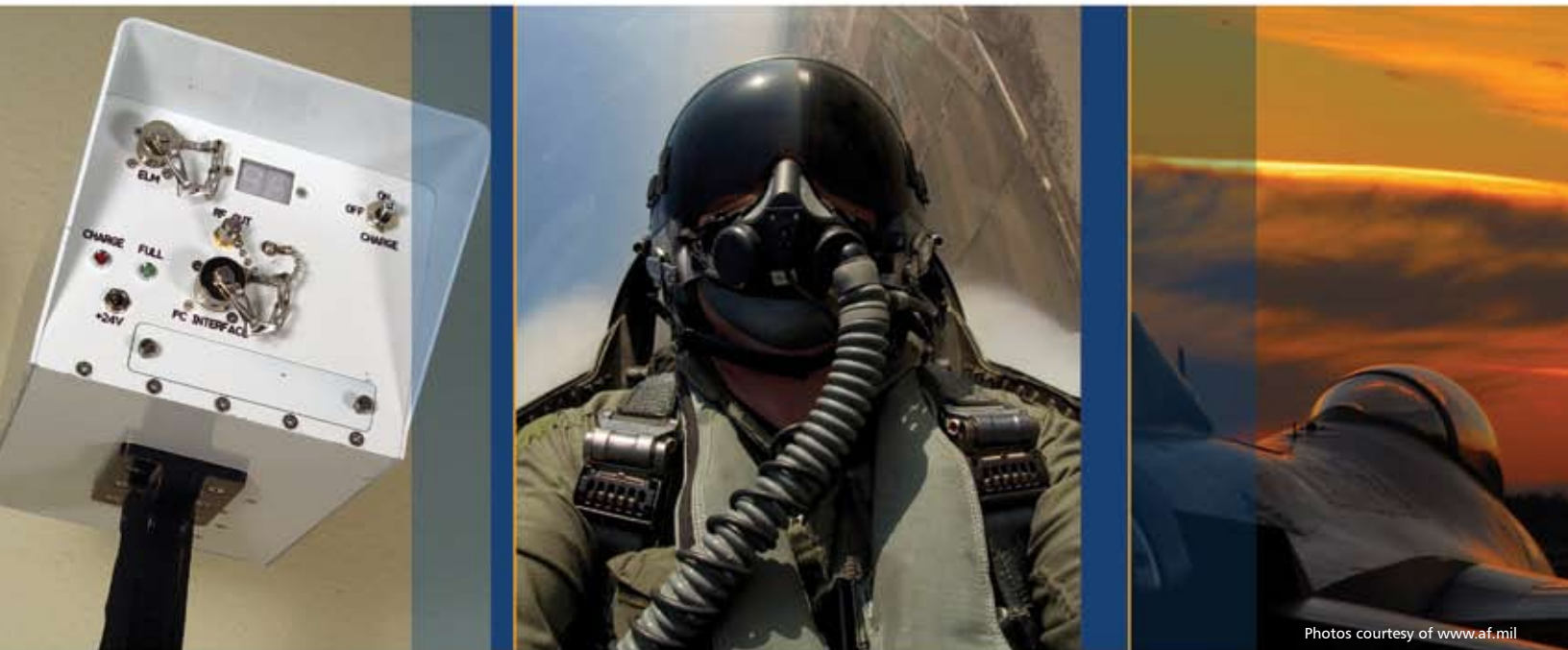




## Handheld Radar Signal Simulator (HRSS)

A lightweight, portable yet sophisticated test set designed for testing all types of aircraft.



Photos courtesy of [www.af.mil](http://www.af.mil)

*Engineered for life*

# Handheld Radar Signal Simulator (HRSS)

The Handheld Radar Signal Simulator (HRSS) is a lightweight, portable yet sophisticated test set designed for testing all types of aircraft, Pods, On-Board Self-Protection Electronic Countermeasures systems, Radar Warning Receiver (RWR) systems, and Electronic Warfare Support Measures (ESM) systems. The HRSS allows for rapid testing and an end-of-runway or dockside pre-mission flight checks.

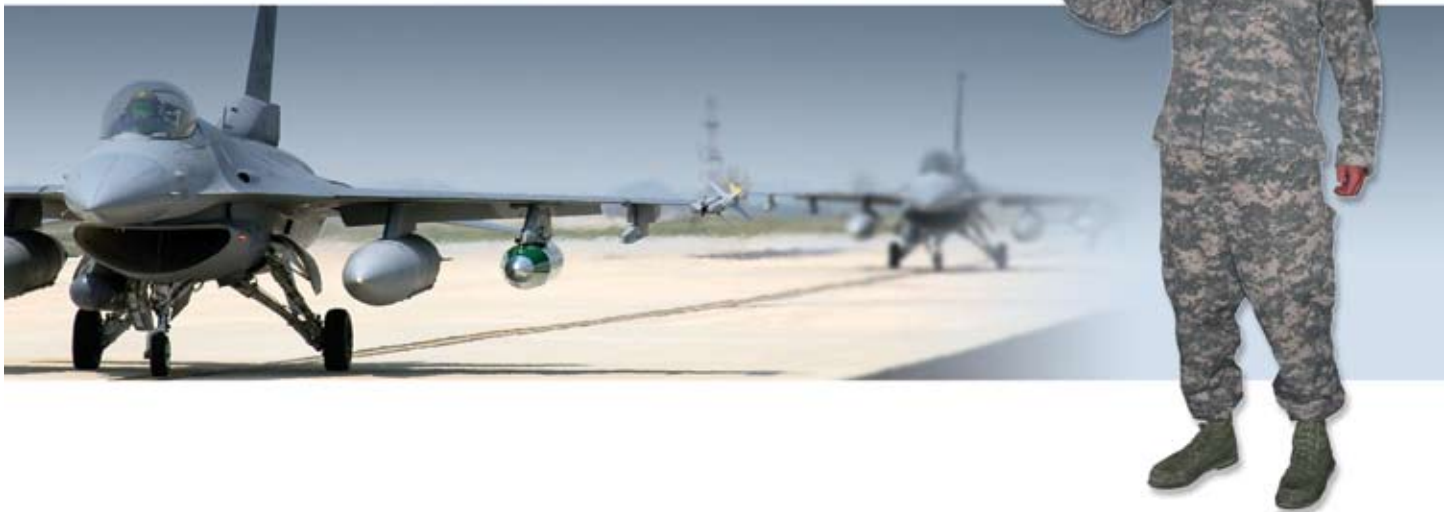
The HRSS is hand carried and operated by a single person, is self-contained, and operates on internal batteries or external power. The HRSS generates pulse and scan modulated Radio Frequency (RF) signals, and uses an internal antenna to radiate RF signals at the System Under Test (SUT), permitting the operator to evaluate the SUT performance or to perform system diagnostic testing.

## Features

- Up to 100 user-selectable emitters stored on a removable Emitter Library Module (ELM)
- Uses same ELM as the AN/PLM-4 Radar Signal Simulator (RSS)
- ELM Programmed via PC and supplied software
- Power: Internal battery pack or external power
- Built-In and External Battery Charger
- Programmable Emitter Parameters via Remote Terminal (optional)
- Extensive Built-In-Test (BIT)
- Small Unit Footprint (approx .1 cubic foot) conducive for rapid deployment
- Tri-pod mountable for hands-free operation

## System Specification

- Frequency Range
  - Low Band Model: 500 MHz to 2 GHz
  - High Band Model: 2 GHz to 18 GHz
- Pulse Repetition Interval Types
  - CW, Simple Pulse, Jitter, and Stagger
- Scan Types
  - Standard scan patterns and advanced waveforms
- Programming
  - Emitter Library Module (ELM) Emitter parameters programmed via PC (software supplied) or remote terminal (optional)
- Power Battery or 110 VAC
- Power Saving Feature
  - Operator selected energy saver mode
- Batteries
  - Removable pack, extended life Lithium Ion batteries
- Emitter Memory
  - Rugged all-weather removable emitter (library) memory module
- Environmental Designed to MIL-T-28800; Class C; Type II
- Operating Temperature Range
  - (-40° C to +55° C)
- Weight
  - (6.5 to 7 lbs.), Model dependent



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