

# Aeroflex 3500 Series

## Portable Radio Communications Test Set

Test *any* tactical communications system in *any* platform quickly and accurately *anywhere*

### Isolate failures in the radio, antenna, or cable in minutes

- Stand-off tests of tactical radios from 2 MHz to 1 GHz frequency range
- Isolates failures in nearly any platform's radio, antenna, or cable
- Runs tests in minutes without removing or disconnecting the radio
- Measures high power—20 watts without an external attenuator, up to 200 watts with an external attenuator provided
- Minimal personnel training

### Rugged, portable, battery powered

- Portable—weighs only 8.5 lbs (3.9 kg) with battery
- Long-lasting battery—5 hours of operation and recharge in 4 hours
- Rugged—meets Mil-PRF-28800F for humidity, altitude, shock, and vibration
- Weatherproof case with operating range of -20° to +50°C

### Stand-off Tests

- AM/FM transmitter tests
  - RF power
  - RF frequency error
  - AM modulation/FM deviation
  - Audio frequency counter
  - Receive Signal Strength Indicator (RSSI)
- AM/FM receiver tests
  - DCS generator
  - Distortion
  - SINAD/sensitivity
- Antenna/cable tests
  - VSWR
  - Distance to fault
  - Return loss
  - Cable loss
- Talk Test (using handset and antenna)

### Aeroflex Model 3515AR

(includes Spectrum Analyzer, Oscilloscope, Script Language, PRM-34 Test, Flip Cover)

Contract: N00104-07-D-D011, Item 0002

NSN: 6625-01-572-6346

Radio failures degrade command and control.

**Be battle-ready.**

Trust your radio test to Aeroflex.

Learn more at

[www.testmyradio.com](http://www.testmyradio.com)

Call for a demonstration

**1 800 835 2352**



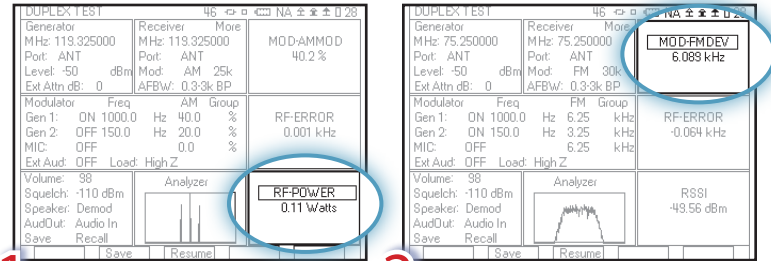
**AEROFLEX**  
A passion for performance.

# Two ways to test: easy and very easy.

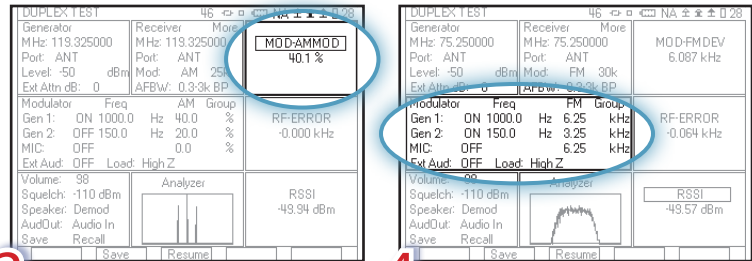
# easy

**Designed for quick stand-off testing**, six easy tests tell you if your radio is battle ready. There is no need to connect to the radio under test. Simply attach the supplied antenna to the 3500 Series unit, key up the radio being tested, and measure the six key parameters with the push of a button.

The duplex test screen operates as both a signal generator and analyzer. This allows simultaneous testing of both the transmitter and receiver of the radio in the platform. The Duplex Test Screen, like any of the test screens, can easily be configured with the meters that are needed to qualify a specific radio as fully functioning and battle ready.



**1 TRANSMITTER** output power      **2 TRANSMITTER** deviation

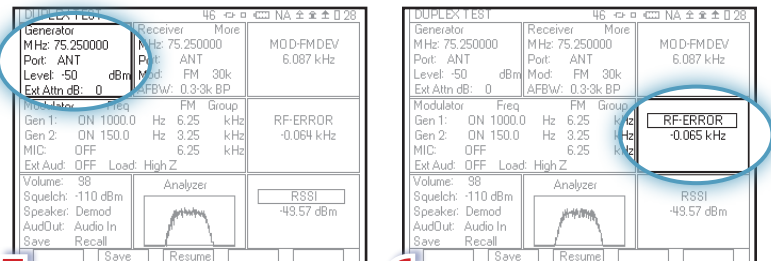


**3 TRANSMITTER** modulation      **4 RECEIVER** squelch

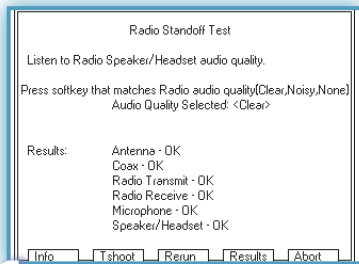
# very easy

**Make it even easier** Do you need to make the process even simpler? With a few minutes of training, anyone can use the 3500 Series' simple Go/No Go standoff test for faster testing. Straightforward guided scripts direct the user until the platform radio test

information is displayed as OK or FAIL. Guided scripts are available, or can be developed, for your specific tactical radios or communications test needs.



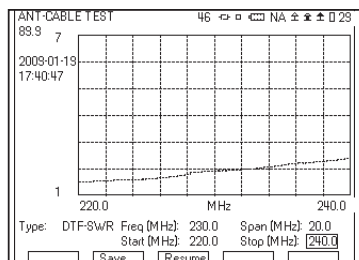
**5 RECEIVER** sensitivity      **6 TRANSMITTER** frequency error



**1 GO/NO GO** standoff test

**What about failures?** There is no need to pull the radio yet. Use the 3500 Series to determine which component has failed—radio, antenna, or cabling.

The 3500 Series can even locate a cable failure within several centimeters. Save time and money by reducing No-Fault-Found (NFF) radios mistakenly sent for depot service.



**ANTENNA VSWR** TEST

## Everything you need to test your tactical radio communications systems

The Aeroflex 3500 Series comes with all antennas, cables, connectors, power cords, battery charger, and microphone—everything needed to test military and first-responder tactical communications *anywhere* in the world.



Learn more at [www.testmyradio.com](http://www.testmyradio.com)  
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