

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



3500 Series

Portable Radio Test Set

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

# GO/NO-GAccurate, reliable results.



## **Battle-ready?** Maybe.

With the 3500 Series radio test set, your radio systems are ready for battle. Increase operational readiness with the 3500's easy-to-use push button tests. In minutes, minimally trained personnel will/ isolate failures—in the radio

system's receiver, transmitter, antenna, or cabling. Over 50 percent of all failures are due to faulty cables and antennas.

Platform radio failures degrade your ability to command and control. Whether it is a squadron of jets or helicopters, a battalion of tanks, or a fleet of first-responder vehicles, the 3500 Series will tell you quickly and accurately if the radio communication systems are ready to go.

DUPLEX TEST	46 ↔ □	4000 NA ± ± □ 28
Generator	Receiver More	
MHz: 119.325000	MHz: 119.325000	MOD-AMMOD
Port: ANT	Port: ANT	40.2 %
Level: -50 dBm	Mod: AM 25k	
Ext Attn dB: 0	AFBW: 0.3-3k BP	
Modulator Freq	AM Group	
Gen 1: ON 1000.0	O Hz 40.0 %	RF-ERROR
Gen 2: OFF 150.0	Hz 20.0 %	0.001 kHz
MIC: OFF	0.0 %	
Ext Aud: OFF Load	t: High Z	
Volume: 98	Analyzer	
Squelch: -110 dBm	<del></del>	RF-POWER
Speaker: Demod		0.11 Watts
AudOut: Audio In		
Save Recall		
Save	Resume	

#### **TRANSMITTER** output power

**RECEIVER** squelch

DUPLEX TEST		NA ± ± 1 0 28
Generator	Receiver More	
MHz: 75.250000	MHz: 75.250000	MOD-FMDEV
Port: ANT	Port: ANT	6.083 kHz
Level: -50 dBm	Mod: FM 30k	
Ext Attn dB: 0	AFBW: 0.3-3k BP	
Modulator Freq	FM Group	
Gen 1: ON 1000.0	0 Hz 6.25 kHz	REENRUR
Gen 2: ON 150.0	Hz 3.25 kHz	-0.064 kHz
MIC: OFF	6.25 kHz	
Ext Aud: OFF Load	t: High Z	
Volume: 98	Analyzer	
Squelch: -110 dBm	Ailolyzoi	RSSI
Speaker: Demod	uddishus.	-49.56 dBm
AudOut: Audio In	\mathred{Leading}	10.00 00111
Save Recall		
Save	Resume	

#### TRANSMITTER deviation

Generator	46 ← □ Receiver More	4000 NA ± ± ± □ 28
MHz: 75.250000	MHz: 75.250000	MOD-FMDEV
Port: ANT	Port ANT	6.087 kHz
Level: -50 dBm		
Ext Attn dB: 0	AFBW: 0.3-3k BP	
Modulator Free	FM Group	
	Hz 6.25 kHz	
	Hz 3.25 kHz	-0.064 kHz
MIC: OFF	6.25 kHz	
Ext Aud: OFF Load	t: High Z	
Volume: 98	Analyzer	
Squelch: -110 dBm		RSSI
Speaker: Demod	gething	-49.57 dBm
AudOut: Audio In	H // \ H	
Save Recall		
Save	Resume	

Six easy standoff tests determine if a platform's entire

antennas, and cabling so you'll know you're ready.

radio communications system is battle-ready. These tests can be performed

anywhere. The portable 3500 Series is battery-powered so anywhere means

**RECEIVER** sensitivity

# -49.94 dBm

#### **TRANSMITTER** modulation

DUPLEX TEST	46 💤 🗆	4000 NA ± ± □ 28
Generator	Receiver More	
MHz: 75.250000	M Hz: 75.250000	MOD-FMDEV
Port: ANT	Port: ANT	6.087 kHz
Level: -50 dBm	Mod: FM 30k	
Ext Attn dB: 0	AFBW: 0.3-3k BP	
Modulator Freq	FM Group	
Gen 1: ON 1000.0	) Hz 6.25 <b>kHz</b>	RF-ERROR
Gen 2: ON 150.0	Hz 3.25 <b>kHz</b>	-0.065 kHz
MIC: OFF	6.25 <b>kHz</b>	
Ext Aud: OFF Load	t: High Z	
Volume: 98	Analyzer	
Squelch: -110 dBm		RSSI
Speaker: Demod	JH-HARMAN,	-43.57 dBm
AudOut: Audio In	H 7 "\ H	
Save Recall		
Save	Resume	

**TRANSMITTER** frequency error



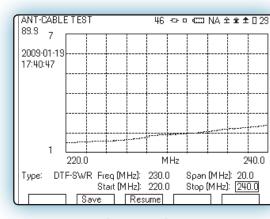
Radio Standoff Test ess softkey that matches Radio audio quality(Clear,Noisy,None Audio Quality Selected: <Clear> Coax - OK Radio Transmit - OK Radio Receive - OK

**MULTIPLE AUTOMATED TEST** 

### Simple Go/No-Go standoff test for even faster testing. With

guided scripts, anyone can learn to use the 3500 Series in minutes. Guided automated scripts are available or can be developed for your specific tactical radio communications test needs. Platform test information is displayed as OK or FAIL, allowing anyone to perform standoff testing.

What about failures? Don't pull the radio! Use the 3500 Series to determine which component has failed—radio, antenna, or cabling. It can even track down the location of a cable failure within centimeters. This saves time and money by reducing No-Fault-Found (NFF) outcomes. What are you waiting for?



**ANTENNA VSWR TEST** 

#### anywhere. On the runway. At the staging area. In the desert or in the mountains Rest assured, the 3500 Series accurately tests your platform's tactical radios, Be battle-ready.

Trust your radio test to Aeroflex.

Learn more at www.testmyradio.com Call for a demonstration +44 (0) 1438 772222

Two ways to test: easy and very easy.

Test *any* tactical communications system in *any* platform quickly and accurately with the **Aeroflex 3500 Series**. In use now by the U.S. and NATO forces.













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



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

## Be battle-ready.

Trust your radio test to Aeroflex.

Learn more at **www.testmyradio.com**Call for a demonstration **+44 (0) 1438 772222**In the U.S., call for a demonstration **1 800 835 2352** 

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