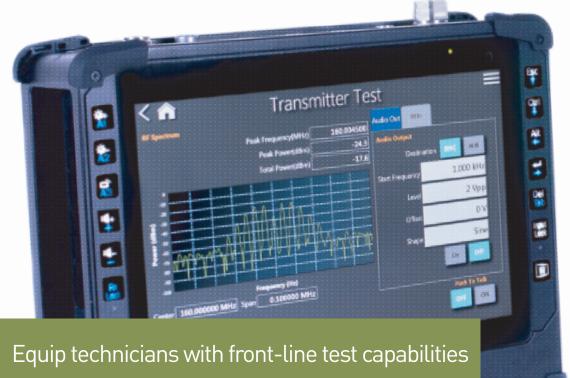
# KEEPING FRONT LINES SAFER WITH NEXT GEN RADIO TEST

The CTS-6000 operational-level radio test set significantly reduces:

- ✓ TEST TIME AND COST
- **✓** MAINTENANCE AND CALIBRATION COSTS
- ✓ NO FAULT FOUND CONDITIONS
- ✓ LIFE CYCLE COST-OF-OWNERSHIP



CTS-6000 offers fault detection & operational verification of radio communications systems.



The CTS-6000 combines the operational capability of many different test instruments into a powerful, compact, handheld unit.

The sophisticated virtual instrument graphical user interface provides maximum operational capability for advanced users, while maintaining an intuitive, easy-to-use interface for novice users. The CTS-6000 also includes over-the-air testing, enabling radios and communications equipment to be verified remotely.

The ruggedized, handheld unit is designed for operational-level testing and features a 10.1", sunlight-readable display, and resistive touchscreen.

In addition to meeting today's requirements, the Synthetic Instrumentation architecture of the CTS-6000 provides a migration path with the capability and flexibility to support future communications, avionics, and navigation needs.

# RF SIGNAL GENERATOR

## RF RECEIVER

- Receive Signal Strength Indicator
- RF In-Band Frequency Counter / Error Meter
- FM Deviation Meter
- AM Modulation Meter

# RF POWER METER

# RF ANALYZERS

- Spectrum Analyzer
- VSWR Analyzer
- Cable Distance-to-Fault Analyzer

# **☑** AF SIGNAL GENERATORS

# AUDIO METERS

- SINAD/Distortion Meter
- Audio Frequency Counter
- Audio Filters

# **☑** OSCILLOSCOPE

- DIGITAL INTERFACES
- **☑** REFERENCE OSCILLATOR
- **☑ TRACKING GENERATOR**

# RF SIGNAL GENERATOR

FREQUENCY Range: 1.0 MHz to 6.0 GHz Resolution: 1 Hz T/R Output Range: -120 dBm to -50 dBm ANT Output Range: -90 dBm to -30 dBm

# RE RECEIVE METERS

FREQUENCY Range: 1.0 MHz to 6.0 GHz Resolution: 1 Hz T/R Input Range: -50 dBm to +37 dBm (50 0hm) Ant Input Range: -120 dBm to +20 dBm (50 0hm) RSSI Range: -100 dBm to +43 dBm

# RF POWER METER (Broadband)

FREQUENCY Range: 1.0 MHz to 6.0 GHz Accuracy: +/-10%

# AUDIO FUNCTION GENERATOR(S)

CHANNELS 2 Channels

Sine, Square, Triangle, Ramp, Pulse, & DC

# **FREQUENCY**

Range: Sine: 0 Hz to 100 kHz (usable to 250 kHz) Resolution: 0.1 Hz Accuracy: ± 0.2 Hz (Sine)

# RF SPECTRUM ANALYZER

FREQUENCY Range: 1.0 MHz to 6.0 GHz Resolution: 1 Hz

# OSCILLOSCOPE

Channels: 2 Channels: 2 Trace Types: Live, captured Measure: Freq., Vrms, Vmin, Vmax, Vpp, Vavg, pulse width (neg. and pos.) Freq Range: DC to 25 MHz Input Range ± 40 V

# REFERENCE OSCILLATOR

Accuracy: ±0.15 ppm

# **AUDIO ANALYZER**

2 Channels Demodulated RF Audio signal is automatically detected and

# POWER REQUIREMENTS

AC Voltage: 95 to 260 VAC 50/60 Hz DC Voltage: Using Battery

# ACCESSORIES

STANDARD AC Power Cord Carry Handle Operator's Manual

Size: 300mm x 255mm x 85mm Weight: < 5kg

# **HOST SYSTEM**

Rugged Tablet running Windows 7 Solid State Drive with 128GB



