Overview
Ensure mission readiness of your most critical radios with the CTS-6025 CSAR Radio Test Set from Astronics. Combining over 16 instruments into one, this portable, upgradeable tester offers fault detection and operational verification for both the General Dynamics Mission Systems HOOK2® and HOOK3® radios.

The CTS-6025 CSAR Radio Test Set is the most comprehensive communications tester for field testing, reducing testing time and cost, maintenance and calibration costs, lifecycle ownership costs, and the number of “no fault found” results.

With more than 20 years of radio test expertise, Astronics offers this customized solution exclusively with General Dynamics Mission Systems for the Hook Series CSAR Radios.

Built with synthetic, modular instrumentation, the CTS-6025 CSAR Radio Test Set always has access to the latest technology upgrade for future-proof field radio test.

Key Features
- RF signal generator, receiver, power meter
- RF analyzers – spectrum, VSWR, cable distance-to-fault
- AF signal generator
- Audio meters – SINAD/distortion, frequency, audio filters
- Oscilloscope, reference oscillator
- Digital interfaces
- Tracking generator
- Error vector magnitude (EVM)
- Wideband streaming TX and RX
- Real-time RF burst trigger
- Power analyzer
- NVM and data loader
### CTS-6025 CSAR Radio Test Set Key Specifications

#### 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

#### RF Receive Meters
- **Frequency:**
  - Range: 1.0 MHz to 6.0 GHz
  - Resolution: 1 Hz
  - T/R input range: -50 dBm to +47 dBm (50 Ω)
  - ANT input range: -120 dBm to +20 dBm (50 Ω)
  - RSSI range: -100 dBm to +47 dBm

#### RF Power Meter
- **Frequency:**
  - Range: 1.0 MHz to 6.0 GHz
  - Accuracy: +/-1 dB

#### Audio Function Generator
- **Waveform:**
  - Sine, square, triangle, ramp up, ramp down, & DC
- **Frequency:**
  - Range: Sine: 0 Hz to 40 kHz
  - Resolution: 0.1 Hz
  - Accuracy: 100 ppm

#### Dimensions
- **Size:** 11.8” x 10” x 3.3” (300 mm x 255 mm x 85 mm)
- **Weight:** <10.6 lbs. (4.8 kg)

#### Accessories
- AC power cord, carry handle, operator’s manual, 2 batteries

#### RF Spectrum Analyzer
- **Frequency:**
  - Range: 1.0 MHz to 6.0 GHz
  - Resolution: 1 Hz

#### Oscilloscope
- **Display:**
  - Channels: 2
  - Trace types: Live, captured
  - Measure: frequency, Vrms, Vmin, Vmax, Vpp, Vavg, pulse width (neg. & pos.)
  - Frequency range: DC to 25 MHz
  - Input range: +/-40 V

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**Reference Oscillator**
- **Accuracy:** +/- 0.15 ppm

**Audio Analyzer**
- **Channels:**
  - 2 Channels
  - Demodulated RF
  - Audio signal is automatically detected and measured

**Power Requirements**
- **AC/DC**
  - AC voltage: 100 to 240 VAC, 50/60 Hz
  - DC voltage: using battery

**Host System**
- Rugged tablet running Windows 10
- Solid state drive with 128 GB

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