

# TEST SOLUTIONS FOR MILITARY & GOVERNMENT PROGRAMS

Mission-critical performance  
instrumentation



## Multi-Channel Signal Simulation

The AWG5200 Arbitrary Waveform Generator meets demanding signal simulation needs with high signal fidelity and the ability to scale up to 32 channels with multi-unit synchronization.

- 16 bits of DAC resolution
- 5 GS/s sample rate
- Extremely low noise floor

Qualify MIMO radar chirp  
performance with the  
industry's best linearity!



## Wideband Radar Evaluation Toolset

The DP070000SX 70 GHz Real-Time Oscilloscope provides the ultimate in capture bandwidth for the widest RF events.

Add the **Powerful SignalVu Software** option for an integrated set of RF, pulse, and digital modulation analysis. SignalVu measurements are fully correlated with the scope's time domain acquisition and triggering.

- 40, 50 GHz K-Band SatCom eval
- Wideband radar chirp testing



## Advanced Spectrum Analysis

The RSA5000 Spectrum Analyzers feature high dynamic range, advanced triggering and simultaneous multi-domain analysis for the most demanding RF characterization.

- Maximum 800 MHz real-time bandwidth
- 26.5 GHz frequency response
- Powerful SignalVu® software

Ideal for characterization of pulsed and hopping systems.



## Programmable Threat Simulation Generation System

The AWG70000 Series is an ideal tool for generation of radar threat signaling at ultra-wide IBWs.

- 50GS/sec sample rate for amplitude and phase shifts necessary to qualify electronic warfare systems
- Modulation bandwidth >11 GHz
- Up to 80dB SFDR
- Powerful waveform generation with SourceXpress™ software
- Up to +25dBm output power w/ Option AC

## TEST SOLUTIONS FOR MILITARY & GOVERNMENT PROGRAMS

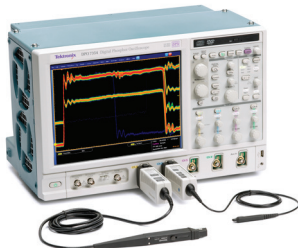
### Mid-Range Applications



#### Portable, Ruggedized Spectrum Analysis

The RSA500A USB Spectrum Analyzer Family  
w/ Tracking Generator

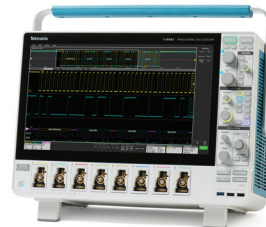
- Multiple RF/microwave frequency ranges
- Rugged chassis and battery operated, weighs only 6.6 lbs.
- Find, map, record, and playback all the signals for surveillance or regulatory compliance
- Available options: GPS receiver, mapping software, directional antenna, and Panasonic Toughpad



#### MIL-STD Serial Triggering and Analysis

The powerful DP07254C 2.5 GHz Oscilloscope is ideal for a variety of digital debug and analysis tasks.

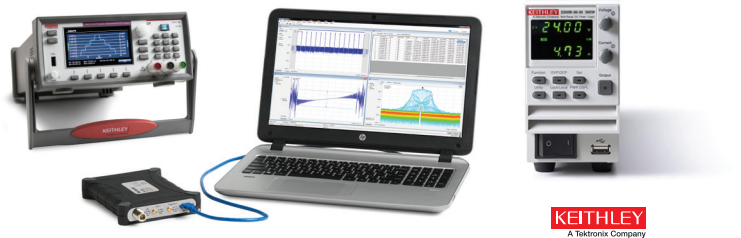
- Automated trigger and decode on packet level information on MIL-STD-1553 buses
- 53 automated measurements including advanced waveform math, MATLAB® and FFT analysis



#### Quantify Analog/Digital Domains with a Mixed-Domain Oscilloscope

With a remarkably innovative pinch-swipe-zoom touchscreen user interface, the industry's largest high-definition display, and 4, 6, or 8 FlexChannel™ inputs that let you measure one analog or eight digital signals.

- Serial decode/trigger support for key buses like I²C, SPI, USB 2, Ethernet, CAN, LIN, many others
- Automated compliance testing for automotive ethernet
- Advanced jitter analysis
- Automated power measurement and analysis



#### Quick Non-Capital Instrument Purchase

Top of the line field, lab, and bench test solutions available for immediate purchase.

Never underestimate the need to make basic measurements and supply clean power in your labs. With low-cost Tektronix spectrum analyzers, oscilloscopes, and signal generators as well as Keithley digital multimeters and power supplies, you can be assured of accuracy for any design. Explore the RSA306B handheld spectrum analyzer, 2268/2280/2281S power supplies, Keithley 2000/4000 series DMMs, and many more.