



Integrated EW Cabinet Assembly –
Part Number: 40354-40151-10 (Single enclosure)
Part Number: 40354-40151-20 (Two enclosures)
SSI Part Number: 40354-41110-50
Specifications subject to change without notice.

A²PATS™

GENERATING COMPLEX THREAT EMITTER SIMULATIONS FOR NUMEROUS MILITARY EW PLATFORMS











Our Advanced Architecture Phase, Amplitude and Time Simulator (A²PATS) is designed to verify that U.S. and allied aircraft electronic warfare (EW) systems can precisely locate, identify and defend against ground-based, air-to-air and surface-to-air missile (SAM) threats. Our unique, plug-and-play, continuously aligned system uses identical phase coherent, direct digital Synthetic Stimulus Instruments (SSIs) as the radio frequency (RF) source for all signals. The configurable A²PATS Single-Cabinet System and Intuitive 3D graphical user interface with enhanced visualization provides all the capability sized for your needs and affordably priced to complement any budget.

TEXTRON Systems

Electronic Systems
124 Industry Lane, Hunt Valley, MD 21030 | 800.655.2616
electronicsystems@textronsystems.com

A²PATS – SINGLE CABINET

SPECIFICATIONS

 Operating Frequency Range Standard 20 MHz - 22 GHz continuous, options through 40 GHz	 RF source Textron Systems SSIs Up to 8 SSIs per port	 Testing Direct inject or radiated testing
 Frequency resolution/accuracy 0.022°/1.7° RMS	 Spurs & harmonics -60 dBc (typ)/-55 dBc (max)	 Pulse repetition interval 512 ns to 1.0 s/20 ps+-1.0 ns
 Noise floor -90 dBm/MHz (No signal present)	 Pulse width range 24 ns to 1.0 s/20 ps+-1.0ns	 Option Wideband 1.1 GHz chirp option
	 Pulse density Up to 16 MPPS	

KEY FEATURES & BENEFITS

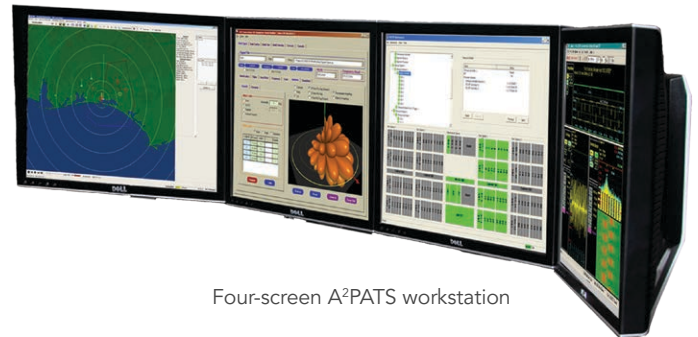
- Varying numbers of identical SSIs in each port enable stringent testing scenarios
- Simultaneous simulation of phase, amplitude and time angle of arrival
- Combining synthesizers enables pulse densities exceeding eight million pulses per second for complex signals and scenarios
- Easy setup, installation and relocation
- Designed for easy system expansion through addition of identical catalog commercial off-the-shelf SSI modules
- Reconfigurable architecture to meet test requirements
- Continuous, real-time background alignment for lower support cost and higher operational availability
- Allows for long-periods of simulation time with no external calibration procedures
- Continuous alignment keeps the system within tolerance.

INDUSTRY'S FIRST DIRECT PORT EW SIMULATOR, SIZED FOR YOUR NEEDS AND BUDGET

The A²PATS Single-Cabinet System can house two enclosures with 8 SSIs each, up to a total of 16 SSIs. Each enclosure can be configured as:

- One port with eight RF sources
- Two ports with four RF sources each
- Four ports with two RF sources each
- Eight ports with one RF source each

Along with the same trusted performance of the larger configuration, the A²PATS Single-Cabinet System is sized appropriately for space-constrained areas and priced to fit more limited budgets.



Four-screen A²PATS workstation

For information within the
United States, please contact:
Textron Systems Electronic Systems
124 Industry Lane
Hunt Valley, MD 21030
1-800-655-2616 or 410-666-1400
electronicsystems@textron.com

For information outside the
United States, please contact:
Textron Systems Electronic Systems UK
16 Compass Point, Ensign Way
Hamble, Southampton Hampshire SO31 4RA
+(44) 2380455110
electronicsystems@textron.com

TEXTRON Systems