

2026

Q2 NEWSLETTER
NEW ENGLAND EDITION

THE PROTEQ PULSE

*Your Quarterly Connection to the
Pulse of the Industry -*

PROTEQ
SOLUTIONS

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We're excited to share that ProTEQ Solutions will have a booth at IMS this year! Stop by Booth 1324 to meet the team and learn more about the innovative solutions we're bringing to the show

CONTACT INFORMATION





EXPANDING OUR MAURY MICROWAVE PARTNERSHIP IN NEW ENGLAND

We're excited to share that **ProTEQ Solutions** is now the **exclusive Maury Microwave representative for Device Characterization solutions in the New England region.**

Maury Microwave is a global leader in RF measurement, load pull, and device characterization technologies used by engineers developing next-generation semiconductor and RF devices. We look forward to supporting customers across the region with Maury's industry-leading solutions and expert technical guidance.



AUTOMATED IMPEDANCE TUNER SERIES

Maury Microwave's **XT-Series** and **NT-Series** tuners provide precise, repeatable impedance control for advanced RF testing. The XT-Series supports high-speed device characterization and VSWR sweeps, while the NT-Series is optimized for on-wafer measurements with maximum VSWR performance.

[LEARN MORE](#)



FREQUENCY RANGE

225 MHz to 330 GHz

MATCHING RANGE

up to 200:1

POWER HANDLING

up to 250W
CW/2.5W PEP

REPEATABILITY

up to -50dB

HARMONIC CONTROL

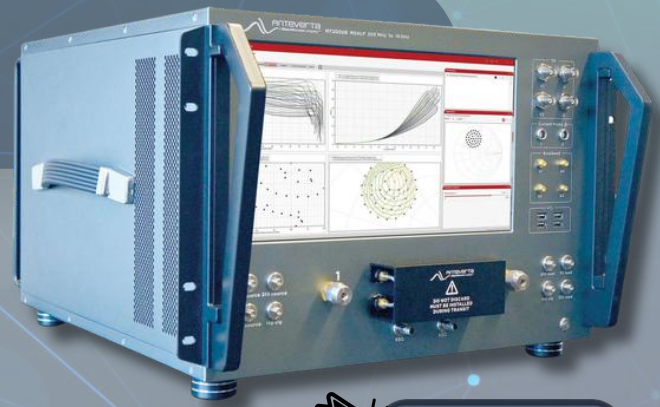
up to 3Fo

FEATURES AND BENEFITS

- Up to X2 faster mechanical movement vs prev. generation
- Up to -50 dB repeatability
- High Gamma (up to 200:1)
- High power handling (250W CW/2.5kW PEP)
- New tuner characterization validation process using MTune3
- New non-harmonically related multi-frequency impedance tuning using MTune3

MT1000-MT2000 SERIES ACTIVE TUNERS

The Maury MT1000 and MT2000 combine multiple RF test instruments into a single, turnkey load pull solution. Designed for speed, accuracy, and wideband impedance control, they streamline device characterization and nonlinear model validation..



[LEARN MORE](#)

FEATURES AND BENEFITS

- Single-tone, Pulsed, and Time-Domain NVNA measurements
- Up to 1000 impedance/power states per minute
- Maximum Smith chart coverage
- Modulation Bandwidth up to 1000 MHz
- Using ACPR and EVM measurement data in the design of wideband PA circuits
- Improve PA linearity based on controlled baseband terminations
- Reduce time-to market due to faster measurement speeds
- Compatible with 1-port and 2-port DUTs

FREQUENCY RANGE

1 MHz to 67GHz

BANDWIDTH

100 MHz to 1000 MHz

DYNAMIC RANGE

60 dB

MEASUREMENT SPEED

100/1000 pts /s

HARMONIC CONTROL

Fo/2Fo/3Fo

UCAL - UNIVERSAL VNA CALIBRATION MODULES AUTOMATED CALIBRATION KIT SERIES



Maury Microwave's uCal Universal VNA Calibration Modules simplify and accelerate VNA calibration by automating the connection of calibration standards. With integrated standards, onboard characterization data, and electronic switching, uCal reduces human error while delivering fast, accurate, and repeatable calibration results.



[LEARN MORE](#)

FEATURES AND BENEFITS

- Easily identify connector type, frequency range, and torque requirements
- Prevent expensive damage and downtime caused by attempted mating of incompatible connectors
- Uses IEEE P287 high frequency connector color code
- Part of a comprehensive family of color-coded cable assemblies, adapters, attenuators, and tools
- Low VSWR rating
- MIL-spec concentricity and pin depth

FREQUENCY RANGE

50 MHz - 18 GHz or
26.5 GHz

CONTROL INTERFACE

USB (direct VNA support
or via Maury Insight)

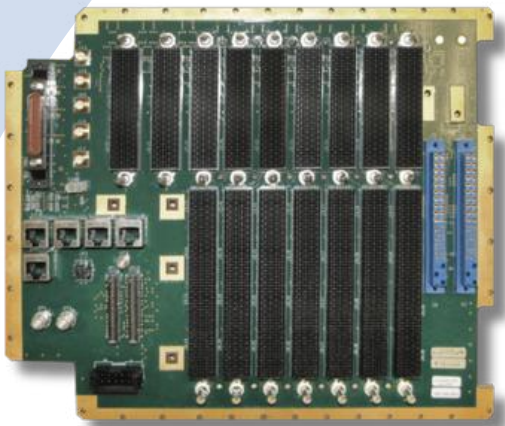
CONNECTOR TYPES

3.5mm, 7mm, Type N

We're excited to announce that **ProTEQ Solutions** is now representing **Atrenne** in the New England region. We look forward to a strong partnership and supporting our customers with Atrenne's advanced solutions.

Atrenne VPX systems deliver exceptional processing power, high-speed connectivity, and advanced modularity in a rugged, scalable platform. Built for demanding environments, they enable faster data processing and reliable performance for mission-critical aerospace, defense, and high-technology applications.

11-Slot 3U – 6U OpenVPX Backplane



ATR hybrid 3U/6U OpenVPX backplane designed and manufactured for airborne applications.

Specifications:

- Size: 12.500" x 10.311" x 0.195"
- Hybrid 11-slot 3U – 6U OpenVPX
- Backplane with mixed pitch
 - (7) 6U OpenVPX 0.85" pitch slots
 - (2) 3U OpenVPX 1.0" pitch slots
 - (2) 6U 0.8" pitch power supply slots
- Cabled I/O
- Interconnect Topology:
 - Custom mesh style topology
 - PCIe, GigE, SATA fabrics
- I/O Connectivity
 - I/O signal conditioning
 - (8) I/O connectors with application-specific connectivity
- -40 to +55°C operating
- Altitude – 50kft operating

Atrenne VME chassis and backplanes deliver reliable performance and rugged design for demanding embedded computing environments. Engineered for durability and seamless integration, these solutions support high-speed data transfer, system flexibility, and long-term reliability across aerospace, defense, and industrial applications.

Specifications:

- Component Type: Chassis / Enclosures
- Chassis Type: Rackmount
- Chassis Cooling: Forced Air
- Module Cooling: Air
- If Module Air, CFM per slot: 12
- Number of Slots (0.8" pitch): 10
- Operating Temp. Min. C: -32
- Operating Temp. Max. C: 52
- Input 220 VAC: 1

10U VME64X Ground Mobile Rugged Enclosure



10U Ground Mobile Rugged Enclosure is a 19" rackmount chassis with a 10-slot VME64x backplane.



Contact Us For
More Information

IntelliShield 3kW | Rugged Uninterruptible Power Supply (UPS)

The **AMETEK IntelliPower IntelliShield™ 3kW Rugged UPS** provides reliable power protection for critical systems operating in demanding environments. Built for military and industrial applications, it ensures continuous operation and dependable performance when failure isn't an option. Reach out to your ProTEQ representative to request a demo or learn more.

Why Choose IntelliShield Rugged UPS?

- Built to Endure
- Mission-Critical Reliability
- Seamless Integration
- Extended Power Backup
- Peace of Mind Support



Applications of IntelliShield Rugged UPS



Industrial Sector



Military & Defense



IT Infrastructure



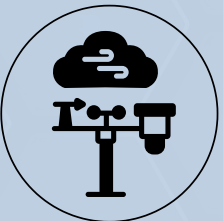
Transportation



Oil & Gas



Mining & Extraction



Outdoor Installations



Features:

- Online Double-Conversion Technology
- Flexible Input Voltage
- Wide Input Frequency Range
- High Power Density
- Low Total Harmonic Distortion (THD)
- Battery Options
- Optional External Battery Packs
- Customizable Connectors
- Integrated SNMP for Remote Monitoring
- Rugged Design
- CE Marked for Compliance
- 2 Year Warranty





Virtual Network Master MX109030PC for AWS



For Evaluating Cloud Services Requiring High-Precision Measurements

- Accurately Measure Communication Quality in Cloud/Virtual Environments
- Accurate Measurement Tailored to Applications

[LEARN MORE >>](#)

Anritsu's **Virtual Network Master MX109030PC for AWS** brings powerful network measurement capabilities to virtual and cloud environments. This software-based solution enables engineers to accurately evaluate communication quality even where physical test equipment cannot be installed.

MP2110A-x8x Optical Sampling Oscilloscope

Features:

- Accurate PAM4 TDECQ Measurement
- Improved Measurement Efficiency with 4-Channel Simultaneous Measurement
- Enhanced Productivity with Faster Measurement (Option x69)

[LEARN MORE >>](#)



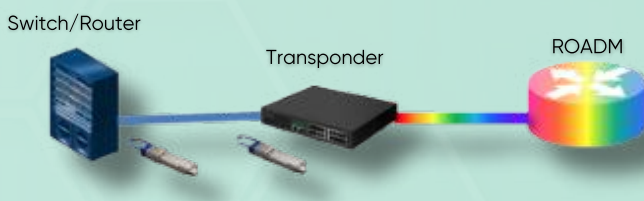
Anritsu's **MP2110A-x8x Optical Sampling Oscilloscope** provides 60 GHz bandwidth and high-sensitivity measurement for evaluating 200G/lane optical signals. Designed for next-generation data center and AI-driven networking, it supports PAM4 measurements up to 120 Gbaud to help engineers validate emerging 1.6T optical technologies.

Network Master Pro - Pluggable Coherent Test

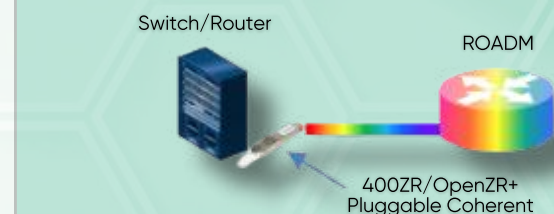
The Anritsu **Network Master Pro MT1000A and MT1040A** deliver advanced testing for **10G, 100G, and 400G** networks. Built for the transition to pluggable coherent transceivers and open optical architectures, they help engineers verify performance and maintain visibility across evolving high-speed networks.

[LEARN MORE >>](#)

Transponder-based Transmission Network



Pluggable Coherent-based Transmission Network



ADVANCED VIBRATION TEST SYSTEMS



J-SERIES (SINGLE - AXIS) HIGH-DISPLACEMENT SHAKERS

[LEARN MORE](#)

IMV's J-Series vibration shaker tables are designed for high-velocity and large-displacement testing, delivering precise force control and high-frequency performance. These air-cooled electrodynamic shakers are ideal for demanding aerospace, automotive, and industrial shock and vibration testing applications. With powerful force ratings and reliable performance, the J-Series helps engineers accurately validate product durability and reliability.

Engineered for high-demand testing with exceptional velocity and displacement capabilities on a vibration shaker table.

- High velocity for sine and shock testing.
- Large displacement for transportation simulation testing and low-frequency applications.
- Expanded maximum test range for diverse needs.
- Precise force control at high frequencies, even on a large vibration table.
- Ideal for long-duration testing scenarios.



[▶ Watch the Video Here!](#)



A-SERIES (SINGLE - AXIS) HIGH-PERFORMANCE AIR COOLED SHAKERS

Discover the **IMV A-Series vibration test system**, engineered for aerospace, automotive, and electronics applications. With up to 16,700 lbf for sine/random testing and 50,000 lbf for shock, it ensures precise, energy-efficient, and adaptable testing, meeting industry standards.

- **Motor Drive Rotation:** Automatically rotates and aligns the shaker vertically or horizontally for seamless integration.
- **Degauss Coil:** Reduces residual magnetism to ensure consistent test performance.
- **Auto Trunnion Lock:** Enables the user to unlock and rotate the shaker with the press of a button, enhancing usability.
- **High Shock Capability:** Designed to handle extreme shock testing conditions with precision.
- **Airglide for Moving Shakers:** Facilitates smooth and controlled movement of shakers within test environments.



WEISS TECHNIK LAUNCHES THE NEW ENDURANCE[®] TEMPERATURE HUMIDITY TEST CHAMBER



Weiss Technik launches the new Endurance: the **Reach-In Temperature and Humidity chamber** that stands alone. Intelligently designed for maximum airflow coverage and accurate gradients, the mobile design and small footprint provides complete testing flexibility.

Our Endurance Series offers:

- Up to 20% energy savings
- Tight Temperature Control and Uniformity
- Quiet Operation
- Small Footprint
- Ability to reach 98% RH @ 95°C
- Utilizes R-449A Low GWP refrigerant – impacts the environment less
- 10" touchscreen control with **WEBSeason[®] user interface** – program and monitor your tests anytime, anywhere



- 5-pane heated window
- 10 Degree's per Min Ramp Rate
- Quiet operation
- Mobile design
- ISO9001, A2LA and UL508A Certified
- Energy efficient





ims 26 BOSTON

We're excited to share that **ProTEQ Solutions** will have a booth at IMS this year! Be sure to stop by, meet the team, and learn more about the innovative solutions we're bringing to the show. We'd love to connect with you in person.



PROTEQ
SOLUTIONS

BOOTH # 13024

CLICK HERE FOR
MORE INFO →

**BE SURE TO VISIT OUR PARTNERS AND CONNECT
WITH THE INNOVATORS WE PROUDLY REPRESENT**

Anritsu

BOOTH # 17054

FORMFACTOR™

BOOTH # 19048

HL HYPERLABS

BOOTH # 16019

In-Phase
Technologies, Inc.

BOOTH # 19017

maury

BOOTH # 16027 & 16028

MI-WAVE
Millimeter Wave Products Inc.

BOOTH # 13054

TELEDYNE LECROY
Everywhereyoulook™

BOOTH # 19076

"BRIDGING INNOVATION AND INDUSTRY"



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