

PathWave Design and Test Software Catalog

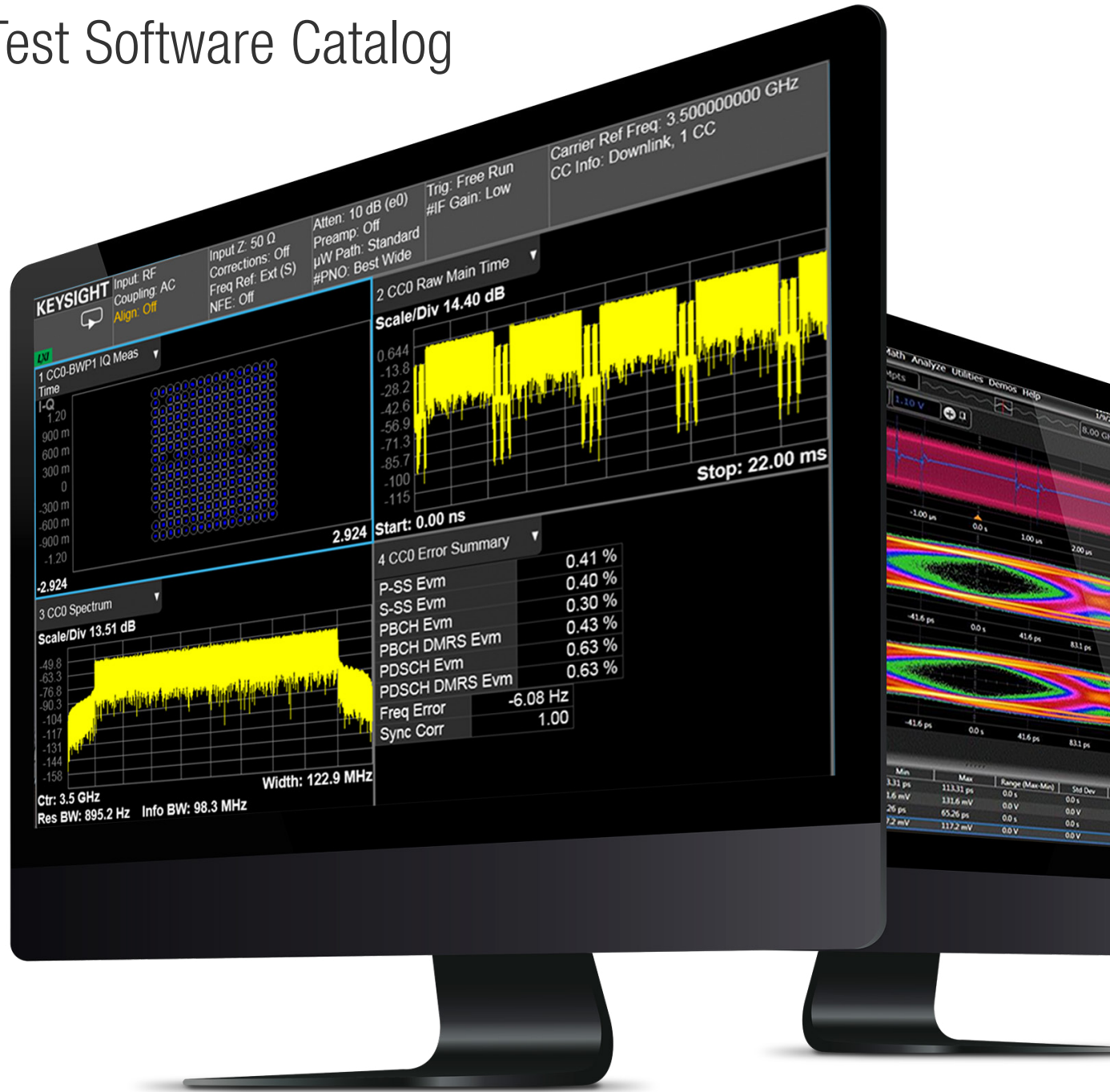


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Innovate Anywhere with PathWave Design and Test Software

INCREASE YOUR PRODUCTIVITY

As time-to-market pressures increase, you need to work smarter. Keysight's PathWave design and test software boosts your productivity by bringing you faster insight, automating procedures, and speeding up simulation and measurement. Save time with automation and analytics software.

EXTEND YOUR INSTRUMENT CAPABILITIES

Behind Keysight's high-precision hardware lies powerful software to help you extend the capabilities of your test equipment. From generating and analyzing signals, to performing end-to-end testing, Keysight's PathWave design and test software turns your test equipment into a complete design and test solution.

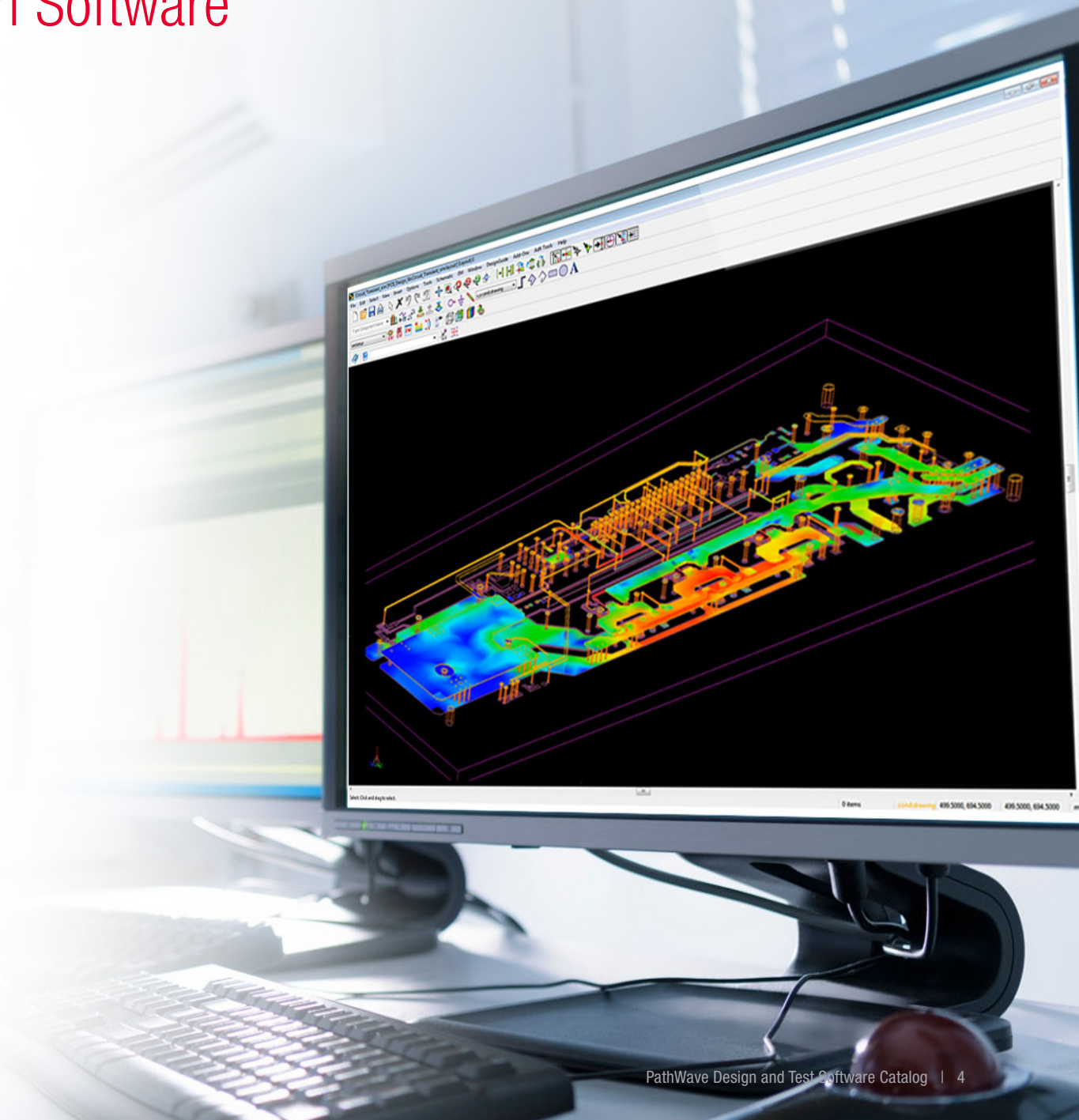
WORK REMOTELY

Whether working on design and simulation, or managing multiple instruments and test stations remotely, Keysight's PC and web-based software helps you stay productive at home, while traveling, or anywhere you need to innovate. Sign up, download, and go.



Design and Simulation Software

Accelerate your product design cycle with integrated circuit design and simulation software. Know your performance under simulated real-world conditions before you build. Achieve design success with a complete desktop flow.



PATHWAVE ADVANCED DESIGN SYSTEM (ADS)

CIRCUIT DESIGN AND SIMULATION SOFTWARE FOR RF / MICROWAVE, HIGH-SPEED DIGITAL, AND POWER ELECTRONICS DESIGNERS

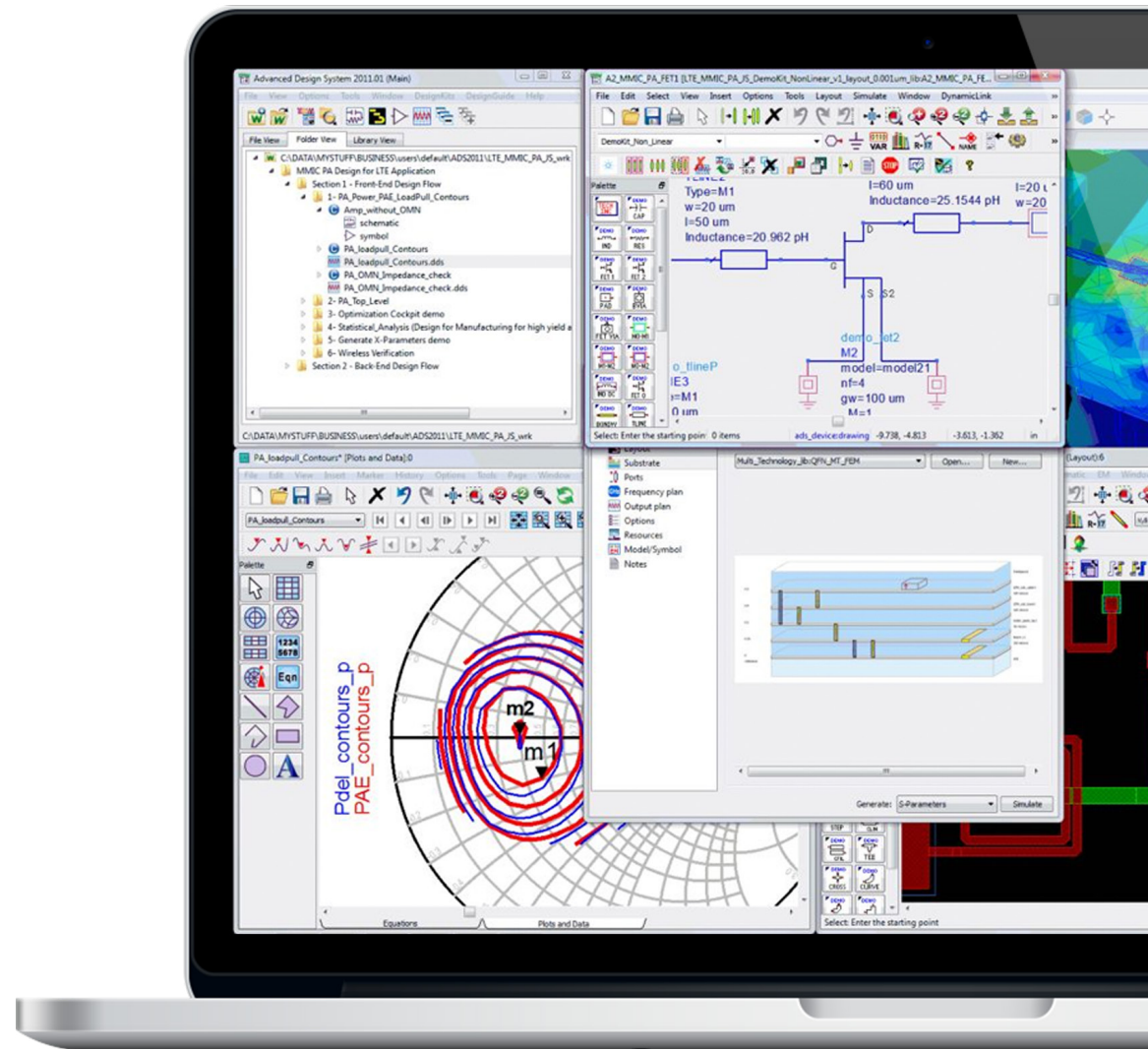
- Share and manage workspaces across teams.
- Incorporate leading foundry and industry designs.
- Increase yield with optimization cockpit and data display.

EXTEND YOUR CAPABILITIES WITH MORE DESIGN AND SIMULATION SOFTWARE

- PathWave EM Design
- PathWave System Design
- PathWave RFIC Design

WANT TO LEARN MORE?

PathWave Advanced Design System (ADS)



Signal Analysis and Generation Software

Reduce the time you spend on signal simulation and analysis with PC-based and benchtop software. Create and demodulate application-specific test signals at baseband, RF, and microwave frequencies. Address ever-changing measurement needs with over 25 signal analysis applications.

PATHWAVE X-SERIES MEASUREMENT APPLICATIONS

MEASUREMENT APPLICATIONS FOR BENCHTOP AND MODULAR SIGNAL ANALYZERS

- Gain insight into device performance with intuitive graphs and trusted results.
- Share the same measurement science and expertise across multiple hardware platforms.
- Ensure your designs meet the latest standards.

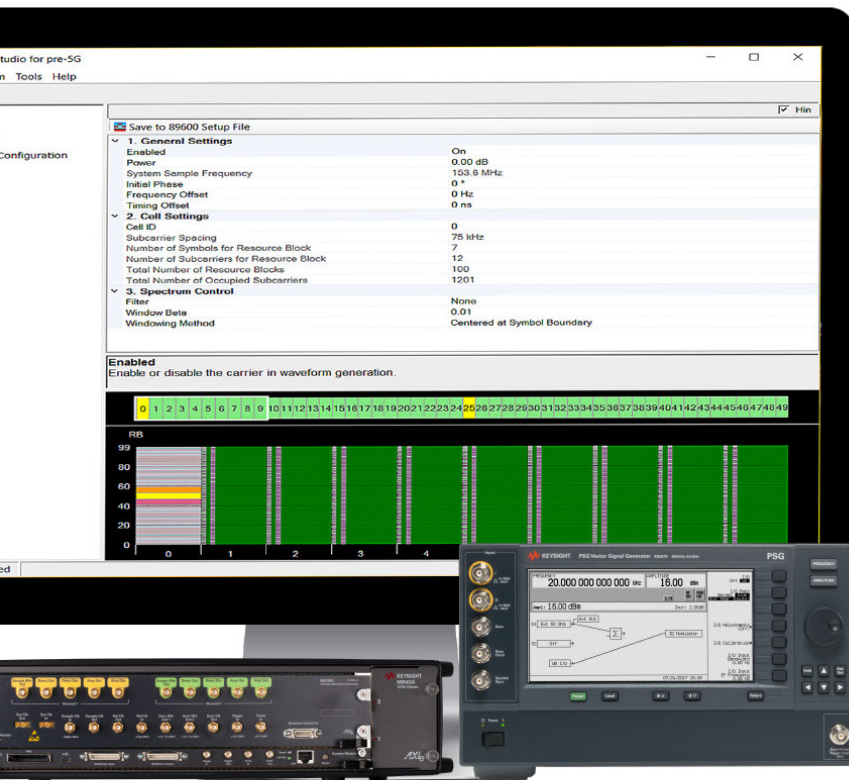
PathWave X-Series Measurement Applications



PATHWAVE SIGNAL GENERATION

SIGNAL CREATION FOR A WIDE RANGE OF GENERAL-PURPOSE OR STANDARDS-BASED SIGNALS

- Create performance-optimized reference signals.
- Validate component, transmitter, and receiver testing.
- Speed signal creation and reduce simulation time.



PathWave Signal Generation



PATHWAVE VECTOR SIGNAL ANALYSIS (89600 VSA)

SOFTWARE FOR DEMODULATION AND VECTOR SIGNAL ANALYSIS

- Reach deeper into signals to find the root cause of problems in time, frequency, and modulation domains.
- Characterize numerous signals and devices simultaneously with multi-measurement capabilities.
- Isolate unexpected interactions with unlimited markers and trace-to-trace marker coupling.

Keysight's 89600 VSA software supports over 45 hardware platforms, including spectrum and signal analyzers, modular instruments, and oscilloscopes.



Component and Compliance Test Software

Turn your test equipment into a complete design and test solution with component and compliance testing software. Extend the capabilities of your instrument and get fast, accurate answers to your measurement questions.

PATHWAVE OSCILLOSCOPE SOFTWARE

SOFTWARE TO EXTEND THE CAPABILITIES OF YOUR OSCILLOSCOPE

- Test and verify from simulation to validation and documentation with off-line capabilities
- Gain more visibility of your design using protocol decode applications
- Use the compliance applications to test to each standard

Compliance
Test Software

InfiniiVision
Oscilloscope Software



PATHWAVE NETWORK ANALYZER SOFTWARE

NETWORK ANALYZER APPLICATIONS TO SIMPLIFY YOUR ADVANCED MEASUREMENTS

- Turn your network analyzer into a complete RF test solution.
- Gain deeper insight into your network analyzer measurements.
- Automate fixture removal with wizards and guides.

Network Analyzer Software



Test Automation Software

PathWave test automation software delivers faster, more accurate engineering insight. Connected workflows and trusted algorithms enable you to optimize your test plans while increasing your test efficiency on instruments, PCs, and automation systems.



PATHWAVE BENCHVUE

PC SOFTWARE TO CONFIGURE A WIDE RANGE OF INSTRUMENT CONTROLS AND MEASUREMENTS

- Easily connect instruments, record results, and visualize measurements.
- Save time with automated test sequences.
- Analyze and export data in multiple formats.

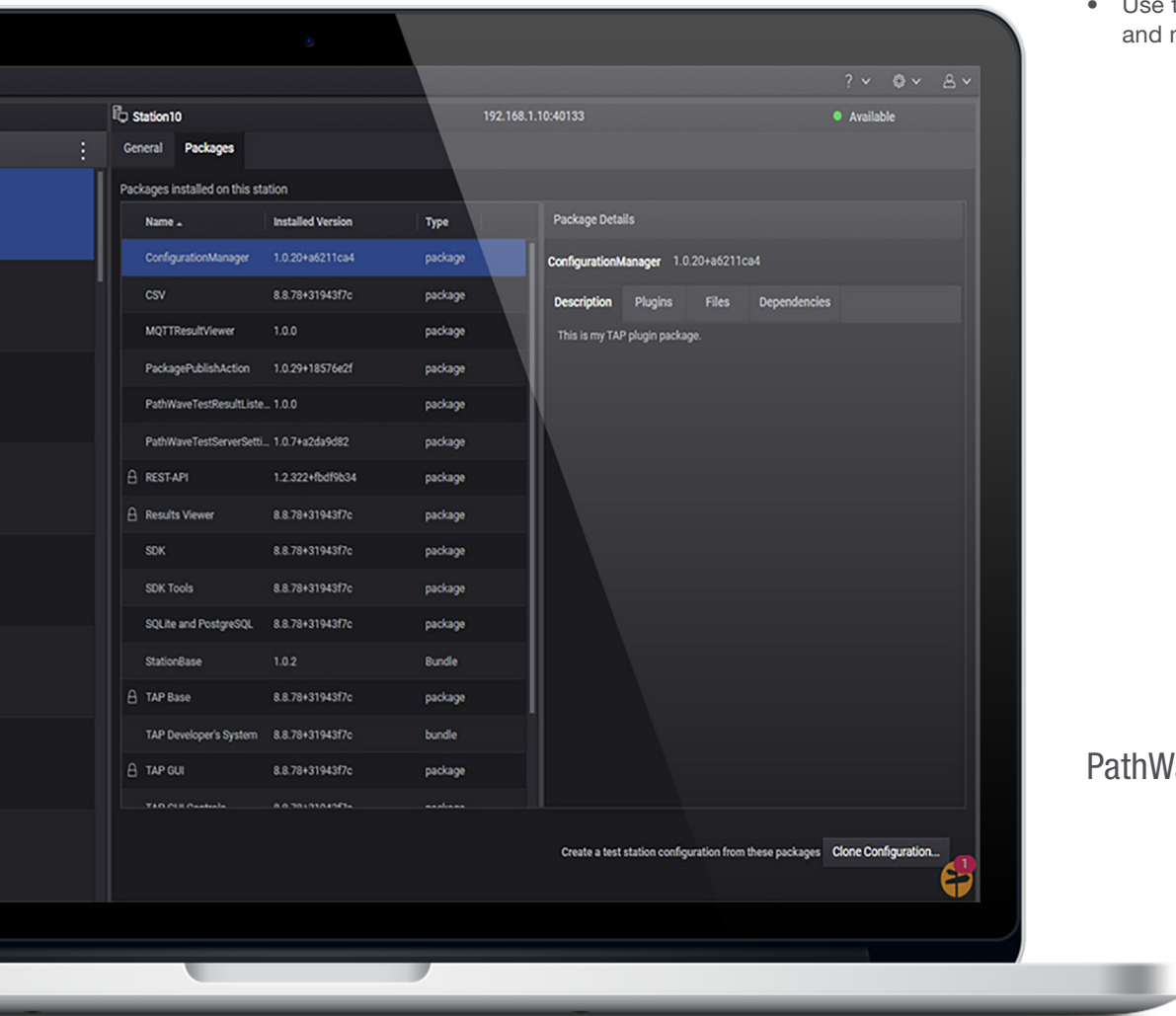
BenchVue Complete Control Collection



PATHWAVE TEST AUTOMATION

SOFTWARE TO OPTIMIZE TEST PLANS AND INCREASE TEST EFFICIENCY

- Create and accelerate test plan development, execute with speed, and scale with ease.
- Visualize, compare, and share test results.
- Use the graphical user interfaces for test plan development, optimization, and management.



PathWave Test Automation

Data Analytics Software

Unleash a new era of insights with software that integrates data analytics, machine learning, and artificial intelligence. Gain efficiency with faster decision-making, more accurate predictions, and consistent data capture, display, and visualization.

PATHWAVE WAVEFORM ANALYTICS

EDGE-TO-CLOUD SOFTWARE FOR COMPRESSING, ANALYZING, AND STORING WAVEFORM DATA

- Debug voltage and current spikes, I/O glitches, and time shifts in pre-silicon.
- Improve anomaly detection and reduce data storage costs.
- Compress long-duration waveforms and reduce waveform transfer time.



PathWave Waveform Analytics

PATHWAVE MANUFACTURING ANALYTICS

ON-PREMISE AND CLOUD-BASED SOFTWARE TO ANALYZE PROCESS, TEST, AND EQUIPMENT DATA IN THE MANUFACTURING ENVIRONMENT

- Mitigate the risk of failure and downtime with real-time detection algorithms.
- Analyze data from every step in your production process.
- Act quickly with automatic alerts and real-time analysis of global operations.

PathWave Manufacturing Analytics



PATHWAVE MEASUREMENT ANALYTICS

WEB-BASED SOFTWARE FOR VISUALIZING TEST AND MEASUREMENT DATA

- Work with rich graphical data representations instead of raw data and spreadsheets.
- Correlate multiple variables to identify underlying issues.
- Implement data-driven decisions with a common, shared data repository.



PathWave Measurement
Analytics



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