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Insights from Keysight





eCommerce Rev 4.2 with New Multi-Cart Feature

Keysight's eCommerce Rev 4.2 is now live and features the new Multi-Cart capability which offers enhanced cart management functionality.

- · Create and save multiple carts
- Move or copy products from an Active Cart to a new or saved cart
- Manage saved carts easily from your library, which include quick view, quote, and purchase functionality

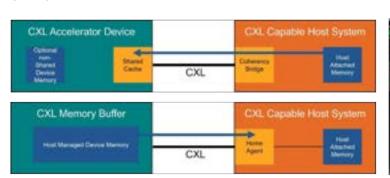
For more information contact your Keysight sales representative.

P93XXB Streamline VNAs Added to eCommerce

The P93xxB Series VNA is now available for on-line purchase! P93xxB is an affordable vector network analyzer (VNA) which dramatically reduces your size of test. The VNA is packaged in a compact chassis and controlled by an external computer with powerful data processing capabilities and functionalities. The P93xxB provides excellent performance in general-purpose network analysis for passive components. With software applications like enhanced time domain analysis with TDR and automatic fixture removal, you can easily characterize passive components with the same performance of a benchtop setup.



Choose from 2-port P937xB models up to 44 GHz or 4-port P938xB models up to 20 GHz. Accompanying Y1700A and Y1701A rack mount kits and connector cables are also available on-line.





CXL — A New Coherency Protocol Over PCI Express — App Note

Multiple technology trends have combined to fuel the expansion in worldwide data center capacity. That capacity has been expanding both in breaking ground on new data centers, and improving the compute, storage, and network capabilities within and between those data centers.

A new interface that will be widely deployed in data centers in the coming years is Compute Express Link (CXL), an important technology that leverages the dependability and performance of the PCle physical layer and introduces new high bandwidth and low latency protocols on top of PCle for attaching accelerators and memory buffers.

This new app note explains PCIe progression, the CXL flex bus, flow control unit (Flit), sub protocols and their use cases, coherency and biasing, CXL progression and - last but not least - Keysight's solutions.

For more information:

https://www.keysight.com/zz/en/assets/3122-1353/application-notes/Compute-Express-Link-CXL-A-New-Coherency-Protocol-Over-PCIe.pdf



Download app note >>





Vector Modulation Analysis Introduction and Demo

Keysight VMA (Vector Modulation Analysis) X-series measurement application includes both N9054EM0E Digital Demodulation for single carrier modulation and N9054EM1E Custom OFDM for OFDM-based signal analysis. VMA X-app can easily demodulate more than 30 types of pre-defined wireless standards covering cellular, wireless connectivity, IoT, satellite communication, and digital video & radio formats. It also supports manual configuration by customers to demodulate proprietary or customized formats such as Custom IQ or Custom OFDM signals, by recalling setup files from N7608C Signal Studio for Custom Modulation and OFDM. VMA X-app supports power measurements like channel power, OBW, CCDF, ACP, and SEM too.

A list of new videos is available now on YouTube for external customers and Microsoft Stream for Keysight internal as below:

- Part 1: Vector Modulation Analysis X-app Introduction (YouTube)
- Part 2: Vector Modulation Analysis X-app Custom IQ Demo (YouTube)
- Part 3: Vector Modulation Analysis X-app Custom OFDM Demo (YouTube)

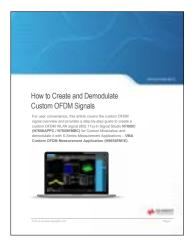
Please refer to VMA X-app Technical Overview and new application note *How to Create and Demodulate Custom OFDM Signals*, or you can also apply for a 30-day trial license with the latest X-apps software release.

For more information:

 $https://www.keysight.com/find/N9054E; \ https://www.keysight.com/find/N9054EM1E$



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Optical Polarization Alignment and Scanning — App Note and Video

Increasingly there are requests for polarization alignment and scanning, especially for measuring photonic integrated circuit devices including sensing and quantum technologies, using our new polarization controller instruments, N7785C and N7786C.



While common solutions, combining the N7786C with our tunable lasers, are handled with the PAS LambdaScan software, other more specialized applications require customized programming by the users.

These are supported by two application notes that have just been updated with recent features and extended to include programming of Mueller Matrix analysis:

- · All-States Method for PDL or PER Synchronous Polarization Scrambler
- Polarization Alignment Methods

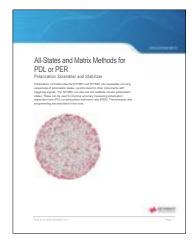
You can benefit as well from the **new video** where NDC expert Mike Kelly shows our Lambda scan solutions. Keysight's Photonic Application Suite is a collection of advanced and essential software tools for automating optical measurements and analysis, especially for determining the wavelength and polarization dependence of fiberoptic network components. The new Lambda Scan package, together with the latest instruments, provides more flexible features and boosts performance.

For more information: https://www.youtube.com/watch?v=iKtt8D0uZ8k

Stress Test Your Wireless Device Quickly, With Nine Useful Tips — App Note

Device validation engineers face a difficult challenge in testing Bluetooth® Low Energy (BLE) devices. For mission-crucial IoT and medical device applications, thorough testing is essential; even small designs need a good test plan. Configuration, firmware, and manufacturing defects must be wrung out of the product before its released to manufacturing. Unfortunately, your customer's need to get products to market quickly means that engineers cannot afford to spend a lot of time developing, debugging, and running complex tests.

Here are 9 quick and easy tests you can use to test your devices. Stress Test Your Wireless Device Quickly Nine Fast and Easy Tips for Device Validation



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Keysight Talks Standards: PCle 6.0 — Recorded Webinar

The webinar recording is now available so you can now join at your convenience. Keysight's principal program manager Rick Eads, a member of the PCI-SIG® board of directors, as he discusses with Kirk Jensen, product marketing manager for high-performance digital, the latest PCIe® 6.0 developments and what you need to consider when evaluating your PCIe 6.0 designs.

In this webinar you will learn about:

- What are the differences between PCIe® 5.0 and 6.0?
- · Which industries and applications are driving these changes?
- Why is there such a big push for PCle 6.0 when PCle 5.0 products are just being released?
- How does receiver testing for PCIe 6.0 compared to 5.0?
- What additional specifications related to PCIe 6.0 should you be on the lookout for?
- · When will official compliance testing begin for PCIe 6.0 devices?
- Register now to learn the latest on PCI Express 6.0 from one of the experts helping to develop the standard.

Watch the webinar.

For more information: https://connectlp.keysight.com/LP=33388



PWSG Advanced Waveform Utility — New Video and Demo Guide

PathWave Signal Generation (PWSG)
Desktop is the next-generation software
platform for Keysight Signal Generation
software on PC, including the 5G NR
and new Advanced Waveform Utility
(AWU) options. PWSG AWU N7618APPC
software is targeting to provide flexible
waveform formats import, download

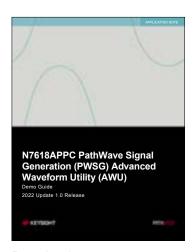


and processing capabilities with various hardware support. It also supports the close-loop calibration with signal analyzer and applies 89600 VSA EQ coefficients from the calibration to any waveforms during playback.

To help your customers to better under the latest PWSG AWU software, the following sales tools are provided:

- PWSG AWU demo guide: Step-by-step demonstration of how to perform wideband signal calibration with PWSG AWU and 89600 VSA software.
- PWSG AWU wideband calibration demo video (YouTube, Microsoft Stream)

The latest PWSG software is available at K.com and 30-day trial licenses are available.



Download app note >>





Watch: New Auto Tech Talk Series — Video

The Auto Tech Talk is a series of Q&A videos for automotive engineers, manufacturers, and business leaders looking to learn more about tackling tough automotive development and test challenges. All it takes is 15 minutes to get up to speed on key automotive topics, such as e-mobility, battery charging, in-vehicle network, and autonomous driving, that can fuel your innovations.

In this first episode, Top Automotive Trends of Today, hosts Janet Ooi and Hwee Yng Yeo talk to Ken Horne, of Keysight's Automotive and Energy business team, about some of the top automotive trends today, including:

- · E-mobility
- · Autonomous vehicle and artificial intelligence
- Connectivity
- · Digital structure of modern vehicles

For more information:

https://www.keysight.com/us/en/cmp/2022/auto-tech-talk.html



New Product Introductions



Introducing the World's Only 120 GBd High-Performance BERT

The new Keysight M8050A 120 GBd High-Performance BERT is the ONLY 120 GBd receiver and transmitter test solution available on the market and a example continued technology leadership.

The challenge for customers is to keep up with the pace of the switching technology in data centers and the technical challenges that accompany the speed increase in digital transmission.

The all new Keysight M8050A BERT was designed to overcome these challenges with its high signal integrity, enabling greater test margins, driving customer success as they move to next generation 1.6T designs - while maintaining the flexibility needed to quickly adopt the M8050A to future requirements.

Keysight designed the Infiniium UXR platform to act as an acquisition-based Error-Analyzer. Combined with the M8070B BERT system software and the new M8050A 120 GBd High-Performance BERT as a pattern generator, this is a full 120 GBd receiver and transmitter test system operating up to 120 GBd — the only available solution of its kind. This system is offered as SD7150A CSI bundle and provides a significant price advantage compared to ordering these products separately.

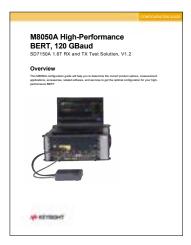
The Keysight M8050A BERT:

- Provides the performance required for 1.6T with the highest signal integrity enabling higher test margins.
- Is designed for future requirements with the highly flexible license-based upgrade concept. Customers can upgrade speed grades or hardware capabilities with simple license upgrades — no return to factory needed.
- Keeps up with the pace of the latest standards, by leveraging Keysight's participation in many wireline standard bodies

For more information: xxx



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8.4 GHz 13.6 GHz 26.5 GHz



Option 508/513/526 for N9021B MXA Signal Analyzer — Now Available

We are pleased to announce the N9021B MXA signal analyzer has successfully delivered microwave frequency extension, by enabling its option 508 (8.4 GHz), Option 513 (13.6 GHz), and option 526 (26.5 GHz) for sales, on June 1st.

At the same time, corresponding preamplifier options are also enabled for sales. For the 26.5 GHz model, an optional 3.5 mm input connector is also provided for customers to order.

With these new frequency options, you are equipped with a value wideband signal analyzer solution to capture more for today's wireless market, especially in the 5G FR1 market and other wideband wireless markets.

Download the latest N9021B datasheet and configuration guide.

For more information: www.keysight.com/find/n9021b

New 6/12/18/24/30/36-Ports Multiport ECal

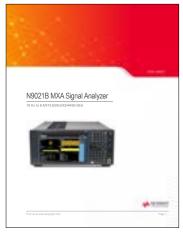
Keysight's long-awaited multiport

ECal is now available to quote and order. The multiport ECal is the world's first handy and yet easily cascadable ECal. Up to 36-ports will help your customers to close the gap not only in our ECal solution offering but with the M980xA PXIe VNA solution, which will provide your customers with a strong competitive advantage in competing against R&S ZNBT's multiport solution with their autocal solution.

- N7562A: Multiport ECal module, DC to 9 GHz, 6-ports
- N7562AEP: Multiport ECal module, DC to 9 GHz, 12/18/24/30/36-ports
- N7564A: Multiport ECal module, DC to 20 GHz, 6-ports
- N7564AEP: Multiport ECal module, DC to 20 GHz, 12/18/24/30/36-ports
- N7560X: Additional accessories for multiport ECal

The multiport Ecal's are available in the 9/20 GHz model. The 9 GHz model comes with a selection of Type-N (f) and 3.5 mm (f) connector types while the 20 GHz model defaults with a 3.5 mm (f) connector. Besides M980xA, they are supported by the latest Keysight's VNAs (PXI VNAs, PNA, ENA and streamline series of VNAs) solution as well.

To learn more about the multiport ECal and all our calibration solutions, go to www.keysight.com/find/ecal



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New U9428A/B/C FET Solid State Switches Up to 54 GHz

On July 1, 2022, Keysight introduced a series of single-pole-eight-throw (SP8T) FET solid-state, in addition to the U9422/4A/B/C family (SPDT/SP4T).



These FET switches are available with a selection of operating frequencies up to 26.5/50/54 GHz. They can be connected and driven through a solder terminal, USB (TMC-compliant) or an interconnect port that connects you specifically to your Keysight PXI or USB VNA. With excellent RF performance and very fast switching speed; the FET switch makes it ideal for a test environment where speed and performance requirements exist at the same time. Furthermore, the FET switches generate a low video leakage as low as 50 mVpp preventing degradation or damage to your sensitive components.

U9428A/B/C: FET solid-state switch, 300 kHz to 26.5/50/54 GHz, SP8T



FET Solid State Switches

U9422ABC 300 kHz to 26,550054 GHz, SPDT

U942AABC 300 kHz to 26,550054 GHz, SPDT

U942AABC 300 kHz to 26,550054 GHz, SPAT

U942AABC 300 kHz to 26,550054 GHz, SPAT

U942AABC 300 kHz to 26,550054 GHz, SPAT

Introduction

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New E5055A SSA-X Signal Source Analyzer, 1 MHz to 8 GHz

On July 1, 2022, Keysight introduced the new E5055A SSA-X Signal Source Analyzer. This is the long-awaited one-box comprehensive signal source analysis solution and replacement of the current E5052B Signal Source Analyzer.

With the enhanced performance and versatility, the E5055A SSA-X can directly contribute to improving your customer's measurement quality and efficiency.

- Offers the best-in-class performances in the phase noise measurements (-181 dBc/Hz (typ.) RF=10 MHz @1MHz offset) with higher throughput.
- Inherits the advantage of E5052B with versatile measurements (i.e. VCO characterization, Transient, and Spectrum monitoring, etc.).

A special trade-in program is available to help your customers accelerate migration from the old platforms to this new E5055A SSA-X. For more information on the trade-in, please refer to Keysight Trade-In.

For more information on this breakthrough product: E5055A SSA-X Signal Source Analyzer, 1 MHz to 8 GHz | Keysight



Download data sheet >>

New 8509xD 2-port RF ECal is Ready to Quote and Order

Keysight's new 8509xD series of 2-port RF ECal is ready to quote and order. They are the replacement for the legacy model of the 8509xC and Keysight has already begun the discontinuation process on them.

- 85091D RF ECal module, DC/300 kHz to 9 GHz, 7 mm, 2 Port
- 85092D RF ECal module, DC/300 kHz to 9 GHz, Type-N, 2 Port
- 85093D RF ECal module, DC/300 kHz to 9 GHz, 3.5 mm, 2 Port
- 85094D RF ECal module, DC/300 kHz to 9 GHz, 4.3-10, 2 Port
- 85096D RF ECal module, DC/300 kHz to 9 GHz, Type-N (75 ohm), 2 Port
- 85098D RF ECal module, DC/300 kHz to 7.5 GHz, 7-16, 2 Port
- 85099D RF ECal module, DC/300 kHz to 6 GHz, Type-F (75 ohm), 2 Port

There are 7 models available operating from DC/300 kHz up to 9 GHz with a selection of different connectors including Type-N (50/75 ohm), 3.5mm, 7/16, 4.3-10, and Type F (75 ohm). Some of the ECal models also support a mixed connector for one of the ports.

For more information, check out the ECal product webpage at www.keysight.com/find/ECal.



Software and Firmware Updates

Enhanced End-to-End Performance Benchmarking

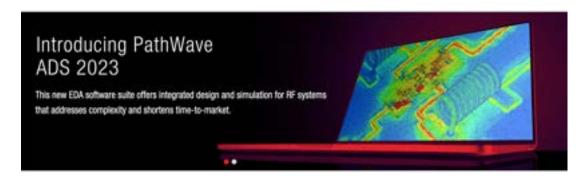
The latest release of Keysight's Performance Benchmarking Solution (PBM) introduces many improvements to how you can automatically benchmark and evaluate the end-to-end performance of your 5G devices and network equipment, such as the ability to repeat test plans and run tests 24/7. The new network score shows an aggregated score for all devices in the test setup. And with the Open Radio Access Network (O-RAN) Testing and Integration Focus Group (TIFG) test case package enhancements with mobility and different radio conditions test cases for lab environments, you will gain deeper insight into device performance and enhance the quality of the experience. The release also brings several visual enhancements to the user interface, such as the dashboard view that shows a quick overview of key trends in the test data, and the ability to switch between dark and light theme.

For more information:

https://www.keysight.com/us/en/product/NTL60018A/performance-benchmarking-solution-for-lab-networks.html



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Advanced Design System ADS 2022 Update 2.1 is Now Available

Advanced Design System (ADS) 2022 Update 2.1 (Version 552.update2.1), is the first minor update for ADS 2022 Update 2.0 release on 29th April 2022.

ADS 2022 Update 2.1 can be installed directly over ADS 2022 Update 2.0 (base release).

This minor update release is available to all the customers, and addresses 15 Jira issues in the following areas: Data Display, File and Workspace Management Tools, Circuit Simulation, EM Simulation, EM Integration, and HSD.

For more information:

https://www.keysight.com/in/en/lib/resources/miscellaneous/pathwave-ads-2022-update-21.html



PathWave RFIC Design 2022 Update 0.1 is Available for Download

PathWave RFIC Design 2022 Update 0.1 Highlights

- Addition of models:
 - ASM-HEMT Version 101.2 is now available.
- Fixed a Harmonic Balance crash happening on some S-Parameters with using the SIO file format.
- Fixed the HB Kernel divergence error where the diagonal preconditioner was not working in circuit simulation.
- Fixed the MEXTRAM version 504 and 505 for output mismatch in Noise values.
- Fixed the issue with SPECTRE if-else statements that includes model statement.
- ET Simulation with MC now runs smoothly without any delay.
- Fixed a crash happening on some conditional statements in HSPICE syntax.
- · Improve floating node detection.
- · Fixed a crash happening during some circuit expansions.
- Fixed an error that could happen with asserts turned on some analyses.
- The PathWave RFIC Design 2022 Update 0.1 download page includes link to the following:
- PathWave RFIC Design 2022 Update 0.1 Installer.
- · Release Notes.
- · Quick Install and License Setup.
- · Product Documentation.

PathWave RFIC Design 2022 Update 0.1 download link

For more information:

https://www.keysight.com/in/en/lib/resources/miscellaneous/pathwave-rfic-design-2022-update-01.html

Latest 5G NR Feature Updates in X-app and PWSG Desktop Software

Keysight is continuously updating 5G NR software applications closely tracking the evolution of 3GPP specifications, in the latest X-apps and PathWave Signal Generation (PWSG) software releases. This is the core value of PPKS software subscription with continuous value delivery over a long period.

For more information on the latest 5G NR updates in N9085EM0E 5G NR X-app and N7631APPC PWSG Desktop for 5G NR.



Pulse Analysis Applications (N9067EM0E and 89601BHQC) Ready for Order Now

Pulse analysis applications including N9067EM0E X-app and VSA 89601BHQC option are ready to order now.



To help you better understand Keysight's pulse analysis capabilities, the following sales tools are provided:

- Software installers with pulse application included are ready for download at K.com (89600 Software, X-apps Software).
- Technical Overviews (N9067EM0E X-app, VSA 89601BHQC Option) at K.com
- VSA Pulse Analysis How-to Videos (YouTube, Microsoft Stream)
- 30-day Free Trial for Pulse analysis apps (VSA Trial, X-apps Trial)

Furthermore, there are dedicated signal analyzer radar bundles (080 or 081) with PXA N9030B and UXA N9040B. And the VSA/X-app/Signal Studio software bundles include a pre-defined pulse analysis bundle or Pick-3/-5 bundles with pulse analysis application.

New UWB Bundle with VXT-3 and X-app for DVT & Mfg Test Customers

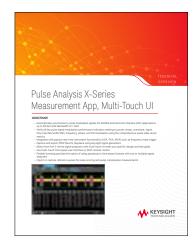
Ultra-Wide Bandwidth (UWB) technology has gained more interest in various markets including mobile devices and automotive. After supporting IEEE 802.15.4/4z UWB in 89600 VSA option BHT and N7610C



IoT Signal Studio, Keysight has recently added the UWB support in N9084EM0E Short Range Comms and IoT X-app as part of X-apps 2022 Update 2.0 release.

To better support your UWB DVT and manufacturing test customers, a new HW+SW solution bundle M9415A-U03 has been offered:

- M9415A VXT-3 HW with Option 001, F12 (freq range 380 MHz to 12 GHz), B8X (800MHz bandwidth) and M05 (512M Samples memory)
- Y9084EM0E Short Range Comms and IoT Waveform and Measurement Application (node-locked perpetual license with 12-month support) = N9084EM0E X-app + N7610EMBC Signal Studio
- The new solution bundle M9415A-U03 can be ordered now by contacting your Keysight account manager.



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Latest PathWave Software Releases Support M5000 High Performance PXI System

New releases of PathWave Test Sync Executive and PathWave FPGA provide enhanced capabilities that unlock the measurement hardware in the new M5000 High-Performance Family of PXI systems.

PathWave Test Sync Executive release 2022 provides improved configuration and synchronization for multi-chassis systems and supports the PXIe System Synchronization Modules. This allows synchronization of all PXI instruments in multi-chassis systems,

distribution of the precision reference clock, and management of Fast Data Sharing. Fast Data Sharing (FDS) is a powerful feature that enables data sharing between FPGA sandboxes with known fixed low latency. This is used during the execution of sequences between sandboxes in different instruments in the same or different chassis.

PathWave FPGA release 2022 is required for FDS, and works seamlessly with PathWave Test Sync Executive. The combination of these software tools guarantees the data is sent in the correct order and that the communication timing and routing is optimized.

Updated datasheets and download information are available now!

For more information:

https://www.keysight.com/us/en/lib/software-detail/computer-software/pathwave-fpga-programming-environment-software-2954585.html

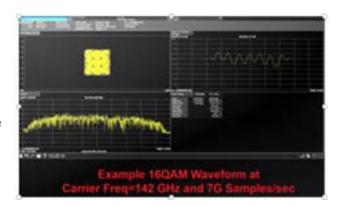
https://www.keysight.com/us/en/lib/software-detail/computer-software/ks2201a-pathwave-test-sync-executive-software-3117764.html

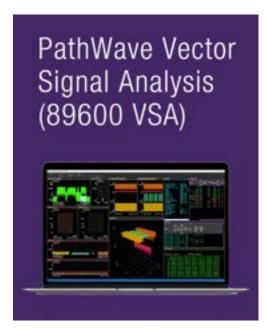
New Software-Based IQ Analysis Bandwidth Extension in X-app for early 6G

The 5G NR evolution and early 6G would both require wider bandwidth in higher frequency bands to achieve higher data rates. To support those customers, a new technological innovation is introduced as "band stitching" in X-series measurement applications, to analyze repetitive signals of much wider bandwidth than the analyzer itself with multiple data acquisitions and post-capture digital signal processing, and get the modulation quality metrics (EVM). This new measurement capability is available in 5G NR, VMA Digital Demod, and Custom OFDM X-apps as part of the XA2022 Update 2.0 (XA32) release, with a new SW option N90EMBWSB on N9042B/32B with bandwidth options R20/R40.

You can apply for a 30-day license of N90EMBWSB to try the new band stitching capability with X-apps.







New 89600 VSA 2023 Release with 5G NR, WLAN, UWB and PowerSuite Updates

The 89600 VSA 2023 software release is officially shipped and available for download. It includes features and updates on base VSA, 5G NR, WLAN, UWB, PowerSuite, and new hardware connectivity.

From this release, VSA will start to provide the HTML online version of software release notes, which list all the new features, enhancements, and bug fixes by each release date, or by specific option such as 5G NR across multiple releases. This would help your customers to see the continuous value delivery of VSA from Keysight.

Key new features in the VSA 2023 release include:

- Basic VSA and Hardware Connectivity (89601200C)
 - New HW support: N9021B (<26.5 GHz), E6680E Wireless Test Set
 - · Noise correction support with X-series signal analyzers and VXT
 - · Differential channel inputs with UXR/MXR scopes and M3102A Digitizer
 - · Event-based actions for low-probability issue tracking and troubleshooting
 - Floating license manager with new PathWave License Manager (PLM)
- 5G NR Modulation Analysis (89601BHNC)
 - 3GPP Rel-17 new test models support: TM2b and TM3.1b (both using 1024QAM)
 - 3GPP Rel-17 NTN support with extended frequency lock range up to 1 MHz
 - · Downlink: PDSCH reference bits of Test Model PN23, and all zeros
 - Uplink: UCI + PUSCH multiplexing without PUSCH data and Precoding matrix
 - Cross-correlated EVM support (with 89601EVMC option)
 - User-defined constellation support with PUSCH/PDSCH
- Digital Demodulation Analysis (89601AYAC)
 - · Adaptive equalization and 16/32APSK modulation support
- High Throughput WLAN Modulation Analysis (89601BHXC)
 - · PSDU CRC result in Burst Info trace
 - Reference symbols manually specified by customers (in low SNR scenario)
- PowerSuite Measurements (89601PSMC)
 - ACP and SEM with multiple-band spectrum measurements capability
 - · 5G NR standard-based presets
- UWB Modulation Analysis (89601BHTC)
 - Add Frame Info results, and Baseband Impulse Response trace based on FiRa specification

For more information:

https://www.keysight.com/find/89600

M8070B BERT System Software 9.0 Released

On May 24, release 9.0 of the M8070B BERT system software went live on K.com.

Overall Highlights:

- PCle6 interactive link training for 64 GT/s for M8046A. This is an industry-first.
- Error distribution analysis is now available in real-time on M8046A
- You need software release 9.0 to demo the new M8050A.
- For operation of the new M8050A you need to install Module Drivers for M8009A and M8042A in addition to the M8070B. These can be downloaded from the technical support portal under "drivers, firmware and software" of M8050A.
- Support of Windows 7.0, 8.0 and 8.1 is discontinued from this release onwards.
- Defects fixed, please see release notes for details.
- · Industry-Specific Highlights:
- For 1.6T/800G/400G Datacenter:
 - M8050A support of LSR units
 - PAM6/PAM8 error analysis now available on UXR
 - Real-time analysis of burst error distribution with M8070EDAB
- For Server:
 - Added support for PCIe 6 Link Training on M8046A.
 - · Added precoder support for PCle5 on M8046A.
- · For Computer/Mobile:
 - · De-emphasis tap resolution is increased to 3 decimals to enable USB4 testing
 - · Defect fixes for USB4 clock switch fix, CMSI / DMRI conversion

To accompany the new functionality in the M8046A for PCle6 link training, we have 3 new options.

- M8046A-0N1: PCIe LTSSM for 64 GT/s, requires M8046A-0S1/US1, Module-wide License
- M8046A-UN1: Upgrade of M8046A to PCIe LTSSM for 64 GT/s, requires M8046A-0S1/ US1, Module-wide License
- M8046A-TN1: PCIe LTSSM for 64 GT/s, requires M8046A-0S1/US1, 30-Day Trial License

Download 30-day trial licenses for the M8000 Series here.

To enable the real-time error distribution analysis, please use the latest M8070EDAB version 1.8.160.2 or later.

Find out more in the M8070B BERT System Software Release Notes. For more information:

https://www.keysight.com/us/en/lib/software-detail/computer-software/m8070b-system-software-3021035.html

Product Discontinuance Announcements

8509xC Series of 2-port ECal Modules to be Discontinued

Keysight's 8509xC 2-port series of electronic calibration modules (ECal) will have its Last Order Date (LOD) on November 30, 2023. It will continue to be supported 5 years before obsoletion on March 1, 2029.

The 8509xC will be replaced by the new 8509xD 2-port RF ECal that is scheduled to be launched on July 1, 2022. The 8509xD will come with 7 models available operating from DC/300 kHz up to 9 GHz with a selection of different connectors including Type-N (50/75 ohm), 3.5mm, 7/16, 4.3-10, and Type F (75 ohms).



Discontinuance of L4445A Microwave Switch / Attenuator Driver

Keysight will discontinue the L4445A Microwave Switch / Attenuator Driver on June 1st, 2023. The last day to place an order for this product is May 31st, 2023.

The closest replacement product for L4445A is a combination of 34980A Multifunction Switch / Measure Unit with 34945A Switch/Attenuator Driver. The programming command of L4445A is compatible with 34945A. Keysight will continue to support these products for the standard period of 5 years.



Click here for more information



Discontinuance of L4421A 40-Channel Armature Multiplexer

Keysight will discontinue the L4421A 40-Channel Armature Multiplexer on June 1st, 2023. The last day to place your order for this product is May 31st, 2023.

The closest replacement product for L4421A is a combination of 34980A Multifunction Switch / Measure Unit with 34921A 40-Channel Armature Multiplexer. The programming command of L4421A is compatible with 34921A. Keysight will continue to support these products for the standard period of 5 years.

Click here for more information





Official discontinuance of N9310A and N9320B – Dec 1st, 2022

Keysight will officially discontinue the following value RF instruments on Dec 1, 2022:

- N9310A RF signal generator (9 kHz 3 GHz)
- N9320B RF spectrum analyzer (9 kHz 3 GHz)

Discontinuance of M9037A PXIe Controller

The M9037A PXIe Embedded Controller will be discontinued on June 1st, 2023. The last day to place an order for this product is May 31st, 2023. Keysight will continue to support this product for the standard period of 5 years.

The replacement product for the M9037A is the M9035A PXIe Embedded Controller



End of Support (EOS) Notice for Legacy Digitizer Modules

The legacy digitizer modules listed below, with the exception of U1051A, are already beyond their standard EOS dates, and are currently supported on a best effort basis. U1051A will reach its EOS date on 31-Aug-2022, at which point it will also revert to best effort support.

M9210A	M9211A	U1050A
U1051A	U1062A	U1063A
U1064A	U1065A	U1066A
U1067A	U1068A	U1069A
U1070A	U1071AD01	U1071ATM1
U1071ATM2	U1071ATM3	U1071ATM4
U1080A	U1081A	U1082A

Best effort support is dependent on a calibration/repair contract with a third-party service provider, and this contract will end on 31-Dec-2022 with no possibility of extending or renewing it. As such, when the contract expires Keysight will no longer be able to provide support for any of the modules listed above.

Please note that Keysight's current portfolio does not include any cPCI/PCI products, so suggested replacements for some modules will be of a different form factor, with options and specifications being considered on a case by case basis.

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