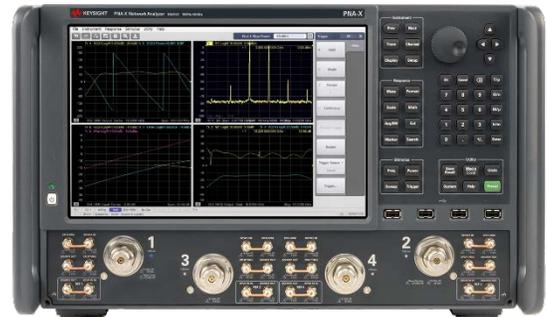


## Keysight's New Network Analyzers with High Performance Signal Generators Simplify and Speed Complex Measurements

Enables customers to take accurate measurements with less phase noise interference

SANTA ROSA, Calif., June 24, 2020 – Keysight Technologies, Inc. (NYSE: KEYS), a leading technology company that helps enterprises, service providers and governments accelerate innovation to connect and secure the world, has enhanced the company's performance network analyzers ([PNA](#) and [PNA-X](#)) to deliver greater flexibility and accuracy while speeding and simplifying required measurements.

Network analyzers are indispensable test instruments in the radio frequency and microwave industry. They provide measurement capabilities to characterize a wide range of devices, components and systems. However, measurements for active devices, including noise figure, gain compression and IMD, can be complex, especially on modern high-frequency devices.



Keysight's enhanced PNA and PNA-X network analyzers contain a proprietary low-spurious direct digital synthesis (DDS) source, enabling customers to take accurate measurements with less phase noise interference. With the clean source signals, customers can perform two-tone IMD measurements with close tone spacing previously only possible with high-performance analog signal generators. The new DDS sources also enhance the performance of a wide range of software applications, including modulation distortion, SMC with phase, and I/Q converter measurements, to provide exceptional speed in mixer/frequency converter characterization. Offering a third radio frequency (RF) source up to 13.5 GHz on the PNA-X simplifies measurement setup by taking the place of an external signal generator to drive local oscillators.

"Keysight understands that when engineers are characterizing complex active devices, it can take days," stated Joe Rickert, vice president and general manager of high frequency measurement R&D for Keysight's communications solutions group. "Our new PNA family delivers the right mix of speed and performance to reduce these test times, enabling faster insight with simplified measurement setups and the accuracy they need to improve their designs."

Keysight's PNA (high performing, cost effective network analyzer) and PNA-X (an integrated and flexible single-connection microwave test engine for measuring active devices) provide the following key customer benefits:

- Simplified test stations by replacing racks and stacks of equipment
- Reduced test time with a wide range of single-connection measurement applications
- Accurate linear and nonlinear device characterization using advanced error correction
- Accelerated insight into component behavior using a multi-touch display and intuitive user interface

Commenting on an example of Keysight's new PNA capabilities, "I am extremely pleased to see the results of Keysight's new PNA-X network analyzer on phase and group delay measurements," stated Antonella Di Pace, test engineer at Viasat Inc. "The improvements implemented by Keysight are truly amazing and address my needs without question."



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## About Keysight Technologies

Keysight Technologies, Inc. (NYSE: KEYS) is a leading technology company that helps enterprises, service providers and governments accelerate innovation to connect and secure the world. Keysight's solutions optimize networks and bring electronic products to market faster and at a lower cost with offerings from design simulation, to prototype validation, to manufacturing test, to optimization in networks and cloud environments. Customers span the worldwide communications ecosystem, aerospace and defense, automotive, energy, semiconductor and general electronics end markets. Keysight generated revenues of \$4.3 in fiscal year 2019. More information is available at [www.keysight.com](http://www.keysight.com).

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Additional information about Keysight Technologies is available in the newsroom at <https://www.keysight.com/go/news> and on [Facebook](#), [LinkedIn](#), [Twitter](#) and [YouTube](#).

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