

Get Advanced Technical Expertise in 5G Device Test

Keysight Understands Your Challenges

Delivering high-quality 5G devices requires innovative network emulation solutions that address the entire 5G ecosystem. Mobile device manufacturers and operators need to streamline their 5G development with scalable solutions to meet complex technical test challenges.

Working with 5G devices, you need to:

- Ensure your 5G target device under test (DUT) integration has the proper predefined test environment.
- Verify the device's basic and advanced features support your customers' requirements.
- Optimize performance with sample device testing and benchmarking.
- Create realistic signaling test scenarios for mobility testing.



Keysight's device integration and advanced signaling services can help you with your test requirements.

Get prioritized access to our 5G test experts using the best-in-class equipment for testing your 5G design. Integrated into the Keysight E751B UXM 5G wireless platform, our 5G network test solutions give you a signaling test platform with multiformat stack support, rich processing power, and abundant RF sources.

Solving Your Test Challenges

Make smart use of your time and investment. Our technical experts have extensive knowledge of advanced test methods, the latest standards, and practical experience with hardware and software environments.

- Gain insights into bands, bandwidths, UE capabilities, includes testing each new build and revision.
- Perform 5G UE testing and diagnostics while identifying the differences of each device.
- Establish valid signaling so that your engineers can focus on testing other advanced features (VoNR, VoLTE, and CSFB with or without SRVCC).
- Verify the peak data throughput and test handovers, reselections, and roaming.

Get More Out of Your 5G Test Assets

New customers receive a 5G start-up assistance service. There are also two additional in-depth services — device integration and advanced signaling, and script development and automation —



Keysight Services

Our applications experts are available to share their expertise to address your specific test challenges. For more information contact your local Keysight sales representative.

to help you with specific support in predefined fields. Keysight also offers customized services based on your requirements.

Consulting Services

In this fast-paced industry, it is a matter of time to market and return-on-investment (ROI). Keysight’s application experts can help you overcome these challenges in complex test setups for 5G devices and network configuration to accelerate your team’s workflow to deliver optimized results faster to:

- Ensure seamless DUT integration, ASN configuration, activation, or resolve UE capability issues.
- Optimize your device’s performance using UE diagnostics with efficient fault-finding capabilities.
- Increase your knowledge to achieve advanced signaling capabilities.
- Test advanced features to resolve signaling and IP issues simultaneously (IMS / SIP and E2E IP flow).



Service Description

Consulting	Users	Description	Key benefits
Device integration and advanced signaling	<ul style="list-style-type: none">• Tailored to address chipset, device, module, vendor, OEM, and test lab operators• New or experienced users who need in-depth assistance with specific applications or measurement setup	PS-XPS-100: customizable three-day package of on-site support by Keysight application engineers	<ul style="list-style-type: none">• Ensure target DUT integration, implement ASN configuration, confirm activation, or resolve UE capability issues• Become familiar with UE diagnostics to optimize device performance efficiently• Increase your knowledge to achieve advanced signaling• Learn advanced techniques for 3GPP testing of voice, data, and mobility

For more information, contact your local Keysight sales representative.

To learn more, visit us at [Keysight Consulting Services](#).

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