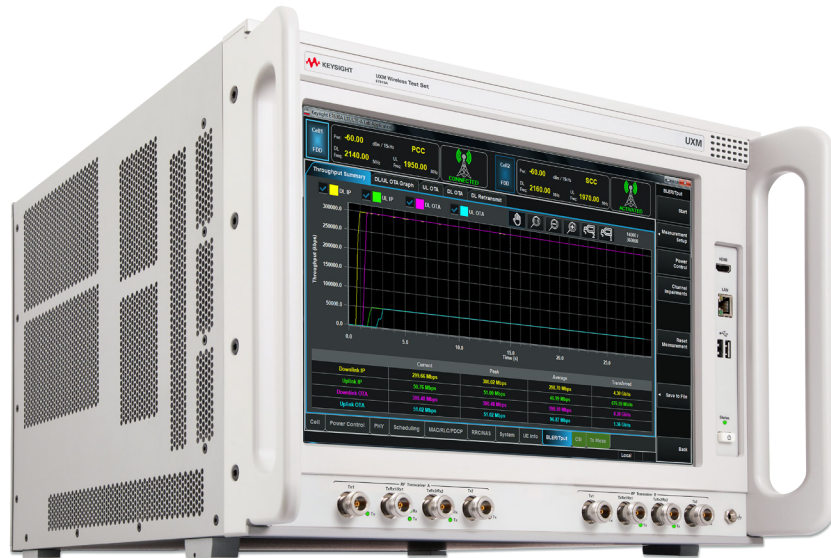


# Keysight E7515A UXM Wireless Test Set

Make a clear call



*The team looks to you: will a new chipset or UE pass the crucial tests? Clarity comes from accumulated insights, and that's the idea behind the Keysight Technologies, Inc. UXM wireless test set. The UXM is the most highly integrated signaling test set created for functional and RF design validation in the 4G era and beyond. It provides the capabilities you need to test the newest designs, delivering LTE-Advanced category 7 now and handling increasingly complex test cases in the future. When the team counts on you, count on the UXM to help you make a clear call.*

## Gain new insights with a broad range of integrated capabilities for LTE-Advanced design validation

- Ensure LTE and LTE-A devices can sustain maximum cat. 4/6/7 rates and handle realistic fading and MIMO scenarios
- Thoroughly test every design with integrated fading, flexible receiver testing, and trusted transmitter measurements
- Go deeper in functional testing by emulating a wide range of complex operations
- Achieve greater confidence in RF performance with industry proven Keysight X-Series measurement science and flexible automated test capabilities

## Be ready for functional and RF design validation in 4G and beyond

- Count on a future-ready, multi-format-capable platform that will handle the next advancements in antenna techniques, component carriers, and data rates
- Evolve as technology changes, with an extensible architecture that includes high-speed interconnects, upgradeable processors, and expansion slots
- Easily handle tomorrow's demanding test needs with versatile touch screen interface

## Make a seamless transition to the UXM

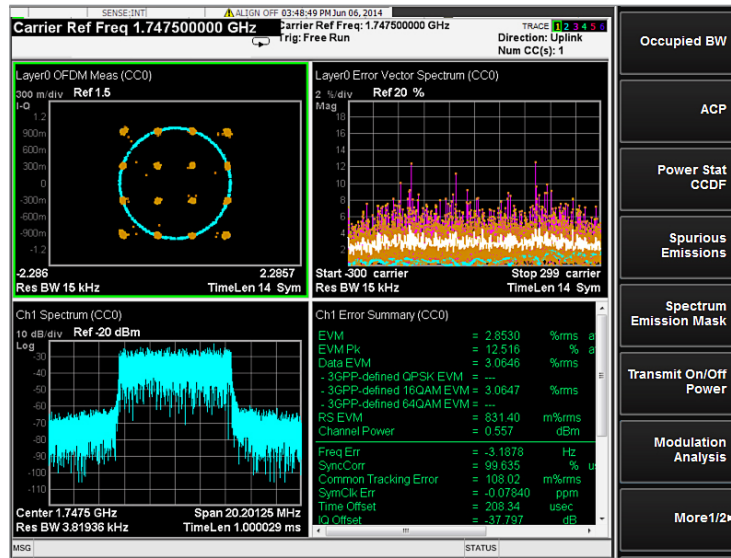
- Get up and running quickly with a new yet-familiar user interface
- Leverage current test plans with backwards-compatible SCPI

# Assess design readiness with greater confidence

## Integrated capabilities for LTE-A design validation

The UXM enables realistic verification of bidirectional category 7 performance, dual component-carrier with stable throughput at 300-Mbps downlink/100-Mbps uplink, integrated independent fading for each component carrier, and 4x2 downlink MIMO.

- Wring out designs with flexible receiver testing and trusted transmitter measurements
- Reduce benchtop complexity with easy-to-use integrated fading and an internal application server
- Find throughput faults sooner with unique receiver-test capabilities such as flexible channel definitions and closed-loop testing
- Go deeper in functional testing by emulating a wide range of complex network operations
  - Check handover behavior with two independent cells
  - Connect to an Agilent 8960 to verify inter-RAT handover scenarios
  - Thoroughly analyze protocol messaging with Wireshark-based logging software
- Achieve greater confidence in RF performance with flexible automated test capabilities
  - Easily test the full range of 3GPP channel configurations using proven Wireless Test Manager (WTM) software
  - Test from early designs to finished products: choose from signaling and non-signaling test, making it easy to “just connect”



Check RF performance and troubleshoot problems with trusted X-Series measurement applications

## Functional and RF design validation in 4G and beyond

The UXM's extensible architecture can evolve as technology changes: it includes upgradable processors, multiple expansion slots, and high-speed interconnects

- Meet today's 4G test challenges with multiple cells, carrier aggregation, MIMO up to 4x2, and integrated fading, enabled by an industry-leading combination of two independent 100-MHz RF transceivers
- Validate complex devices: UXM is multi-format-capable by design and ready to handle past, present, and future formats
- Dig into issues and evaluate problems quickly with a flexible 15-inch touch screen interface



## Make a seamless transition to the UXM

The UXM's new-yet-familiar user interface and backwards-compatible SCPI allow you to get up and running quickly and save time by leveraging existing test software with minimal changes. Get more from every budget dollar through Keysight's tradition of investment protection.

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