Keysight E6640A

EXM Wireless Test Set

Solve today, evolve tomorrow

In wireless device manufacturing, meeting ever-tougher goals and tighter schedules is easier when you have access to the best resources. Look to Keysight Technologies, Inc. and our new EXM wireless test set. The EXM is scalable to meet your production needs and in sync with the latest cellular and WLAN chipsets. Better yet, the EXM delivers the speed, accuracy and port density you need to ramp up rapidly and optimize full-volume manufacturing. Go with the EXM and be ready to solve today and evolve tomorrow.

Optimize multi-device testing with up to four TRX channels per EXM

- Cover up to 6 GHz with 160-MHz bandwidth through each transmit/receive (TRX) channel
- Create high-density multi-port test stations with two full-duplex and two half-duplex or four full-duplex ports per TRX
- Customize to connect up to 32 DUTs with multi-port adapter (MPA) technology
- Independent source and analyzer on each TRX allows efficient use of test resources

Test multi-format devices including 2G, 3G and 4G cellular as well as WLAN

- Cellular: LTE-Advanced, LTE FDD/TDD, HSPA+, W-CDMA, 1xEV-DO, cdma2000®, GSM/EDGE Evo and TDSCDMA, DECT, and PHS
- Connectivity: 802.11ac (incl. 80+80 MHz and MIMO), 802.11a/b/g/n/j/p/ah/af, Bluetooth® up to 4.2, multi-satellite GNSS, FM, Mobile WiMAX™, ZigBee, and digital video

KEYSIGHT TECHNOLOGIES

Maximize throughput with raw hardware speed and advanced sequencing

- Get ultra-fast data processing with quad-core controller and high-speed PXIe backplane
- Accelerate test execution with advanced sequencing and single acquisition multiple measurements

Increase first-pass yield with superior signal purity and measurement accuracy

- Receiver EVM for 160 MHz 802.11ac: ≤ -43 dB (typical)
- Absolute level accuracy, 380 MHz to 3.8 GHz: ≤ ±0.2 dB (typical)

Get up and running in hours, not days, with validated turnkey chipset solutions

- Reduce test-development time and cost with chipset-specific calibration and verification routines
- Leverage local application engineer expertise in optimizing the EXM

Accelerate from NPI to full-volume production

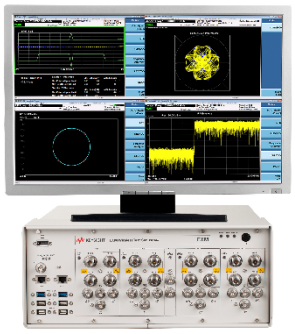
To solve today's problems, the EXM enables the creation of flexible test stations that deliver the industry's fastest, most accurate parallel device testing. As needs change, the EXM platform enables you to easily evolve your test solutions along with new-generation devices and standards.

Roll out production lines with greater speed and confidence

- Gain certainty from chipset compatibility and validated EXM test capabilities that directly control chipsets
- Access the fastest, most reliable calibration and verification functions offered in each vendor's chipset
- Accommodate unexpected behavior in chipsets and devices with multifunction, multi-port flexibility
- Expand test capacity and eliminate schedule resets with the EXM's flexible multi-port TRX design
- Reduce upfront costs and overall cost of ownership with the speed and versatility of the EXM
- Leverage our test expertise throughout the design and implementation of production lines

Create flexible systems for high-volume manufacturing of wireless devices

- Easily keep pace with your production capability and capacity needs
- Achieve the highest throughput currently possible with the EXM's raw hardware speed and fast sequencing
- Increase first-pass yield with superior signal purity and excellent measurement accuracy
- Maximize production line uptime with robust, reliable equipment designed for the factory floor
- Reduce capital investment and minimize floor space with up to four independent TRX channels
- Preserve your investment and easily evolve with changing production needs



Use the EXM with four TRX channels to parallel test wireless devices. WLAN, cdma2000, LTE FDD and LTE TDD shown.

Drive Broader Acceptance of Chipsets

- Drive down the cost of capital equipment and testing for chipsets
- Be ready for what's coming next: the EXM supports 160 MHz bandwidth, 4x4 True MMO, LTE-A Carrier Aggregation, and more
- Accelerate your chipset to manufacturing with greater readiness and faster ramp-up
- Maximize NPI team efficiency with test code leverage and easy code development
- Leverage the consistent repeatability of the X-Series measurement applications

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

KEYSIGHT TECHNOLOGIES