

Keysight E6630A

Wireless Connectivity Test Set

Modernizing manufacturing test



Get your latest 802.11ac WLAN devices to market faster

The Keysight Technologies, Inc. E6630A wireless connectivity test set helps you accelerate manufacturing test of devices with wireless connectivity interfaces, including 802.11ac WLAN. With its modern PXI hardware architecture, and fast and accurate measurements, E6630A enables the highest production throughput for today's cutting-edge wireless devices, including access points, laptops, smartphones, tablets, and other 802.11a/b/g/n/ac WLAN, *Bluetooth*[®], and Global Navigation Satellite System (GNSS) capable devices. The E6630A's

PXI form factor integrates up to two sets of vector signal analyzer and vector signal generator pairs into a single instrument for accurate non-signaling test that you can rely on in pursuit of your high volume manufacturing goals. Using Keysight X-Series measurement applications, the E6630A delivers proven, standards-based measurements, specifically optimized for high-throughput manufacturing test. E6630A's software toolset also includes the Keysight Signal Studio to simplify signal creation and accelerate test development. Keysight's

Manufacturing Test Integration (MTI) program enables E6630A to keep pace with the latest wireless connectivity chipsets, and fosters integration into chipset vendors' manufacturing test tools. To further reduce your cost of test, the Keysight E6618A multiport adapter enables efficient multi-DUT test for maximum manufacturing throughput while minimizing the test equipment's footprint.

Anticipate your wireless connectivity manufacturing test needs

- Benefit from an architecture that is optimized for lower-cost next generation non-signaling test
- Be ready for 802.11ac WLAN MHz production test with 80/160 bandwidth
- Add multi-format, standards-based calibration and verification test support as needed for 802.11a/b/g/n/ac WLAN, *Bluetooth* 1.0, 2.1, 3.0, 4.1, and multi-satellite GNSS (GPS, Galileo, GLONASS, etc.)

Accelerate test development

- Ensure seamless transition from NPI to production with the proven Keysight X-Series analyzer measurements science
- Simplify signal creation to synchronize, control, and test your wireless connectivity devices with Signal Studio software
- Reduce time to volume manufacturing with chipset software to optimize device calibration and verification

Achieve fast and accurate measurements

- Maximize throughput with modern, fast PXI modular hardware architecture
- Speed up your test plan with single acquisition, multiple measurements
- Increase your production yield with superior measurement accuracy

Multiport adapter enables efficient multi-DUT Test

- Make the most effective use of test equipment resources using the Keysight multiport adapter for parallel receiver test and fast sequential transmitter test
- Leverage the unique port density solution that extends the test plane of each source and analyzer pair to 8 RFIO ports and provides the lowest cost of test in the smallest footprint

Key E6630A Benefits

- Speed—Reduces test time and increases manufacturing throughput with modern PXI hardware, single acquisition/multiple measurements, and multiport adapter
- Multiple wireless connectivity formats—Supports 802.11a/b/g/n/ac WLAN, *Bluetooth* 1.0, 2.1, 3.0, 4.1, and multi-satellite GNSS (GPS, Galileo, GLONASS, etc.)
- Lower capital investment—Eliminates the need for full signaling hardware and lowers platform acquisition cost with the E6630A architecture that is optimized for lower cost non-signaling test
- Accuracy—Delivers high first-pass yields with accurate and repeatable results and measurement traceability

www.keysight.com/find/E6630A
www.keysight.com/find/E6618A

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

Americas

Canada	(877) 894 4414
Brazil	55 11 3351 7010
Mexico	001 800 254 2440
United States	(800) 829 4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 6375 8100

Europe & Middle East

Austria	0800 001122
Belgium	0800 58580
Finland	0800 523252
France	0805 980333
Germany	0800 6270999
Ireland	1800 832700
Israel	1 809 343051
Italy	800 599100
Luxembourg	+32 800 58580
Netherlands	0800 0233200
Russia	8800 5009286
Spain	0800 000154
Sweden	0200 882255
Switzerland	0800 805353
	Opt. 1 (DE)
	Opt. 2 (FR)
	Opt. 3 (IT)
United Kingdom	0800 0260637

For other unlisted countries:
www.keysight.com/find/contactus
(BP-07-10-14)

E6630A

Wireless Connectivity Test Set

Frequency range
(1.1 to 1.7 GHz, 2.4 to 2.5 GHz, 4.85 to 6.0 GHz)

Multiport adapter
X-Series measurement applications
Signal Studio software
Manufacturing Test Integration



Bluetooth and the *Bluetooth* logo are trademarks owned by Bluetooth SIG., Inc., U.S.A. and licensed to Keysight Technologies, Inc.



This information is subject to change without notice.
© Keysight Technologies, 2013 - 2014
Published in USA, August 4, 2014
5991-2296EN
www.keysight.com