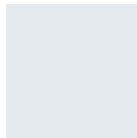


Systems

E2010 Broadband Wireless Test Set

- *Powerful Multi-Technology System Simulator*
- *Full coverage of all 3GPP bands and bandwidths*
- *Flexible MIMO 2x2, 4x2 and 4x4*
- *Broad range of scenarios: RF, L1, Protocol, Multi-RAT, Multi-Cell*
- *Broad range of applications: R&D, Performance, Conformance*



Overview

Current and future wireless networks are composed of multiple radio access technologies (RATs): Cellular Technologies (2G, 2.5G, 3G, 3.5G and the next generation of 4G), Wi-Fi®, WiMAX™, etc.

Consequently, multi-mode capable terminals as well as base stations are required for seamless interworking in multi-RATs broadband networks.

In addition, the industry demands development and test solutions for the entire lifecycle of the terminal. Compact, powerful, modular and flexible solutions are required.

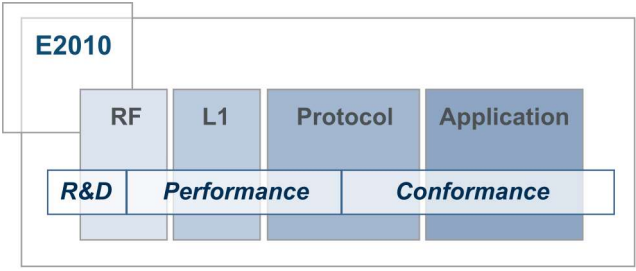


Fig.1. Testing Scenarios during a terminal lifecycle

AT4 wireless has combined the experience in testing of over 15 years with the most advanced system designs and architectures to provide the latest test tools for the current demands of broadband multi-RAT wireless networks.

The **E2010 Broadband Wireless Test Set** is a state of the art platform that provides all range of multi-technology scenarios in the lifecycle of terminals and meets the needs of early development, R&D, Performance, Conformance and Certification Testing.

Incredibly powerful and flexible at the same time, the E2010 is a one-box solution for the new 3GPP standards. Different applications and personalities running on the E2010 support the new line of AT4 wireless broadband access test systems.

The E2010 combines a flexible MIMO RF interface, supporting current and future frequency bands for diverse wireless technologies, with advanced baseband processing units capable of implementing complex signal processing algorithms and complete cellular protocol stacks.



Application

LTE

Performance

Test System

Layer 1

Main Features

- Signal bandwidths up to 40 MHz, and frequency bands up to 4.25 GHz supported
- MIMO 2x2, 4x2 and 4x4 with extended dynamic range and flexible RF front end, supported allowing interconnection with UEs without external components
- Extremely powerful baseband processors, allowing the implementation of complex signal processing algorithms
- Real time implementation of cellular protocol stacks (2G, 3G, LTE)
- Advanced APIs enabling the creation of diverse testing scenarios (RF, L1, Protocol, Application Testing, etc.)
- Full data rates (100 Mbps DL, 50 Mbps UL)
- Multiple cell support
- Addition of arbitrary interferers and signal impairments to downlink waveforms
- UL signal capture and measurement capabilities
- Flexible RF front end allowing interconnection with UE without external components
- Communication with EUT via RF interface, digital I/Q and analog IF
- Integrated signal analyzer with powerful triggering capabilities
- Advanced intuitive, multitask touch screen based GUI, with detailed logs, graphs and traces
- Future-proof: modular and upgradeable to future wireless networks requirements

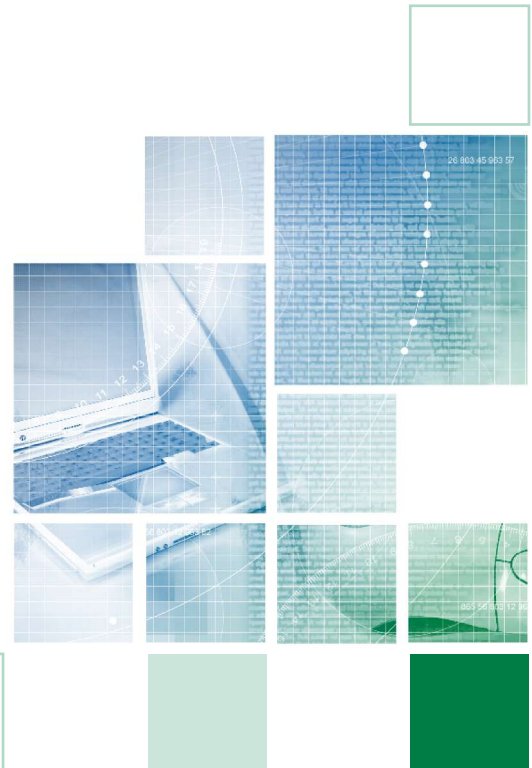
Support Services

AT4 wireless commitment to improve customers' efficiency goes far beyond our product and solution offer. To ensure customers' investment is running at optimum performance, we offer world class customer support.

Our customer support includes the following services:

- On-line Support Service
- Software Service
- Repair and Calibration Services
- Training Services

Thanks to its locations around the world and to active partnerships with top tier providers, AT4 wireless provides its customers with local first line support to its customers worldwide.



MIMO

Main Features

LTE

Support Services

Powerful

Other AT4 wireless Test Systems

AT4 wireless test systems portfolio offers the broadest range of wireless technologies testing solutions, including:

- Bluetooth®
- RFID, NFC
- GSM, GPRS, EDGE
- UMTS, HSPA
- Fixed and Mobile WiMAX™



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