

# One-Box Platform for Bluetooth Design and Production Testing

This test platform has the performance and functionality required for high-volume production testing of Bluetooth products

Agilent Technologies announces a one-box platform that enables more efficient RF testing, lowering the cost of test for products and components that

incorporate Bluetooth™ and other emerging wireless connectivity technologies.

The Agilent N4010A wireless connectivity test set includes an option (Option 101) that speeds measurements and improves accuracy for high-volume manufacturing of products that incorporate Bluetooth technology, such as mobile phones, audio headsets, computers, PDAs, consumer appliances, cameras, VCRs and automotive telematics. During the product development cycle, engineers who design or integrate Bluetooth technology into chipsets, modules and devices will be able to create test sequences more easily and obtain faster, more accurate measurement results.

By adding I/O connectivity (Option 110), the test set will also work with the Agilent 89601 vector signal analysis software and 89607 WLAN test suite software. This flexible software provides a broad range of signal measurements for evaluating wireless connectivity formats such as wireless LAN (WLAN) in the 2.4 GHz ISM band. Agilent intends to expand these capabilities of the N4010 platform for one-box WLAN testing in both the 2.4 GHz and the 5 GHz bands.

The N4010A Option 101 makes transmitter and receiver measurements as defined in the Bluetooth 1.1 RF specification. The test set includes an internal test sequencer to shorten test and development time. Built-in capability accomplishes eight of the 16



With Option 101, the Agilent N4010A handles Bluetooth production testing.

Bluetooth test cases. The other eight can be made using other Agilent equipment.

Additional features, including audio input and output, RF analyzer and RF generator modes, plus a graphical measurement application are expected to be available soon. Agilent plans to introduce new test capabilities as the Bluetooth specification evolves.

The Agilent N4010A wireless connectivity test set with Option 101 is priced at \$16,500; Option 110 for I/O connectivity is \$3,000; 89607A WLAN test suite software is \$2,000; and 89601A vector signal analysis software starts at \$9,000.

Additional information about the Agilent N4010A test set and Option 101 for Bluetooth is available online.

**Agilent Technologies, Inc.**  
Tel: 800-452-4844, ext. 7855  
[www.agilent.com/find/N4010A](http://www.agilent.com/find/N4010A)  
**HFeLink 302**