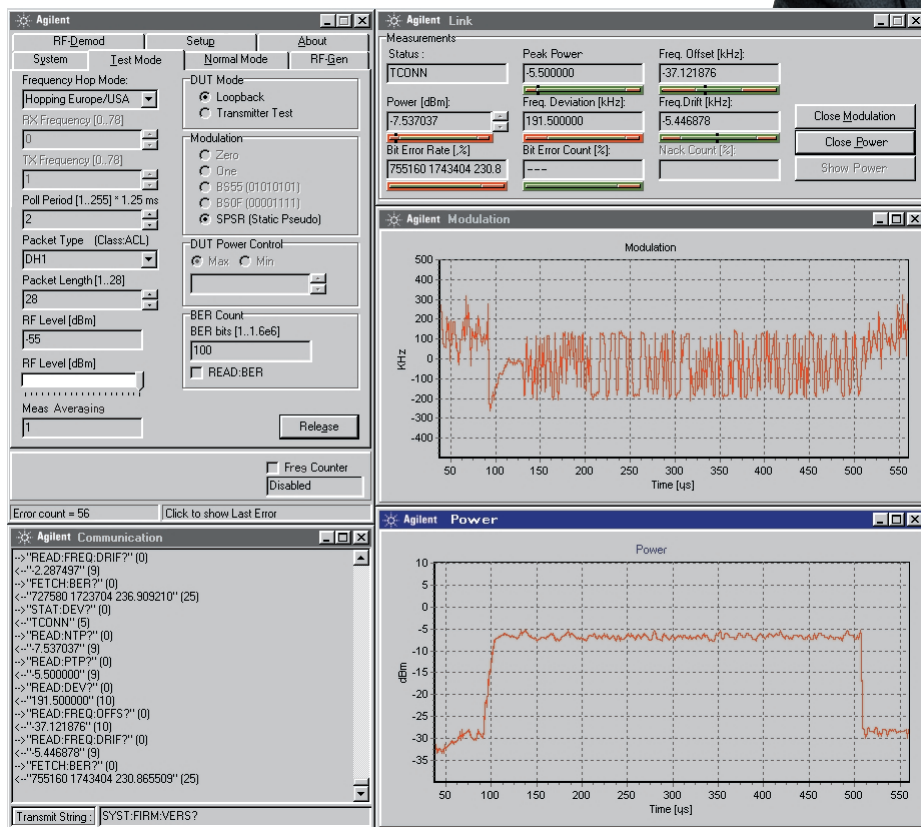
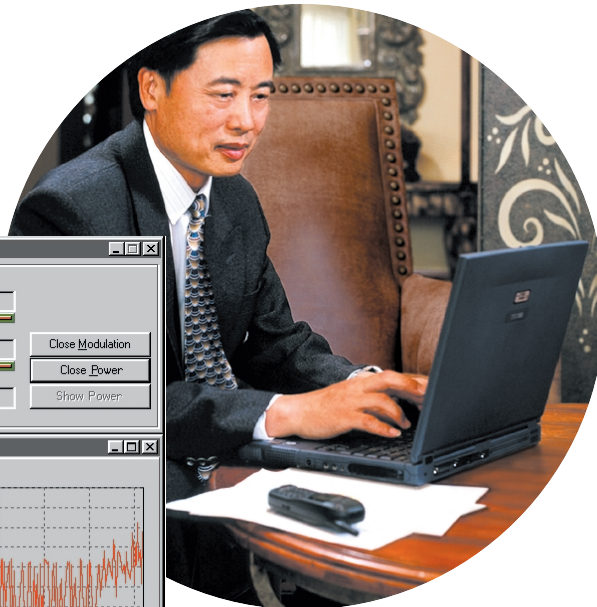


Have confidence in your **Bluetooth™** wireless technology devices...  
...meet **Bluetooth standards** and pass certification



Measurements are easily set up using a number of control tabs. Results are reported numerically or graphically, and can also be exported in spreadsheet format.

#### Agilent Technologies E1852A Bluetooth Test Set

- A low-cost, stand-alone solution—with just the measurements you need
- Prove the performance of *Bluetooth* devices with wireless technology measurements on both the transmit and receive paths
- Verify your device is functional by establishing a link using standard *Bluetooth* protocol
- Maximize throughput in manufacturing environments with **fast measurements**
- PC-based user interface—easy-to-learn and use, even for those unfamiliar with radio frequency measurements.



**Agilent Technologies**

# Agilent Technologies E1852A Bluetooth Test Set



## Meet customer demand for *Bluetooth* enabled devices

*Bluetooth* wireless technology is rapidly being adopted as a standard that allows seamless inter-connectivity among electronic devices. In order to assure dependable operation with different devices, all products carrying the *Bluetooth* logo must meet strict standards.

Agilent's E1852A test set has the features you need to verify the functionality and performance of your *Bluetooth* wireless technology devices, with the ability to control the device under test through the radio frequency (RF) interface.

### For Design:

During development the E1852A can be used to assess the performance of different vendors' modules and make an appropriate selection. As you integrate *Bluetooth* wireless technology capability into your product the E1852A will help verify the inter-operability of the components and get you to a final design quickly.

### For Qualification:

*Bluetooth* wireless technology qualification tests are complex and time-consuming. The cost of failing is significant in terms of dollars and lost market opportunity. Including the E1852A for in-house pre-qualification testing, enabling designers to identify failures early on in the development cycle, and to speed time to market.

### For Manufacturing:

In a manufacturing environment the E1852A will establish a link with and control a device with *Bluetooth* wireless capability to ensure it is functional. It can also measure the performance of key parameters to assure reliable inter-operability with other *Bluetooth* devices.

## Measurement capabilities for developers and manufacturers:

### Functional Test

- Establishes link with standard *Bluetooth* protocol
- Frequency-hopping source and receiver with known performance
- Page mode for five-second link set-up

### Transmitter Measurements

- Power versus time
- FM deviation
- Frequency error and drift

### Receiver Measurements

- Adjustable input signal level
- Bit error ratio (BER)
- Multi-slot packets supported

The E1852A has a single RF port for communication with the device during testing. It is controlled using an external PC with Windows-® based user interface, via the PC's parallel port.

To aid applications development, all commands from the user interface are logged in a communications window. Standard Windows' tools allow these to be copied and pasted into a program to quickly create an automated test sequence. The dynamic link library (DLL) for parallel port support is provided with the product.

More information on Agilent Technologies' solutions for products with *Bluetooth* wireless technology is available at:  
[www.agilent.com/find/bluetooth/](http://www.agilent.com/find/bluetooth/)

For more information about Agilent Technologies test and measurement products, applications, services, and for a current sales office listing, visit our website:  
[www.agilent.com/find/tmdir/](http://www.agilent.com/find/tmdir/)

BLUETOOTH and the BLUETOOTH logos are trademarks owned by Bluetooth SIG, Inc., U.S.A. and licensed to Agilent Technologies, Inc. Windows® is a U.S. registered trademark of Microsoft Corporation.

Product specifications and descriptions in this document subject to change without notice.  
Copyright © 2001 Agilent Technologies, Inc.  
Printed in U.S.A. June 22, 2001  
5988-1416EN



**Agilent Technologies**