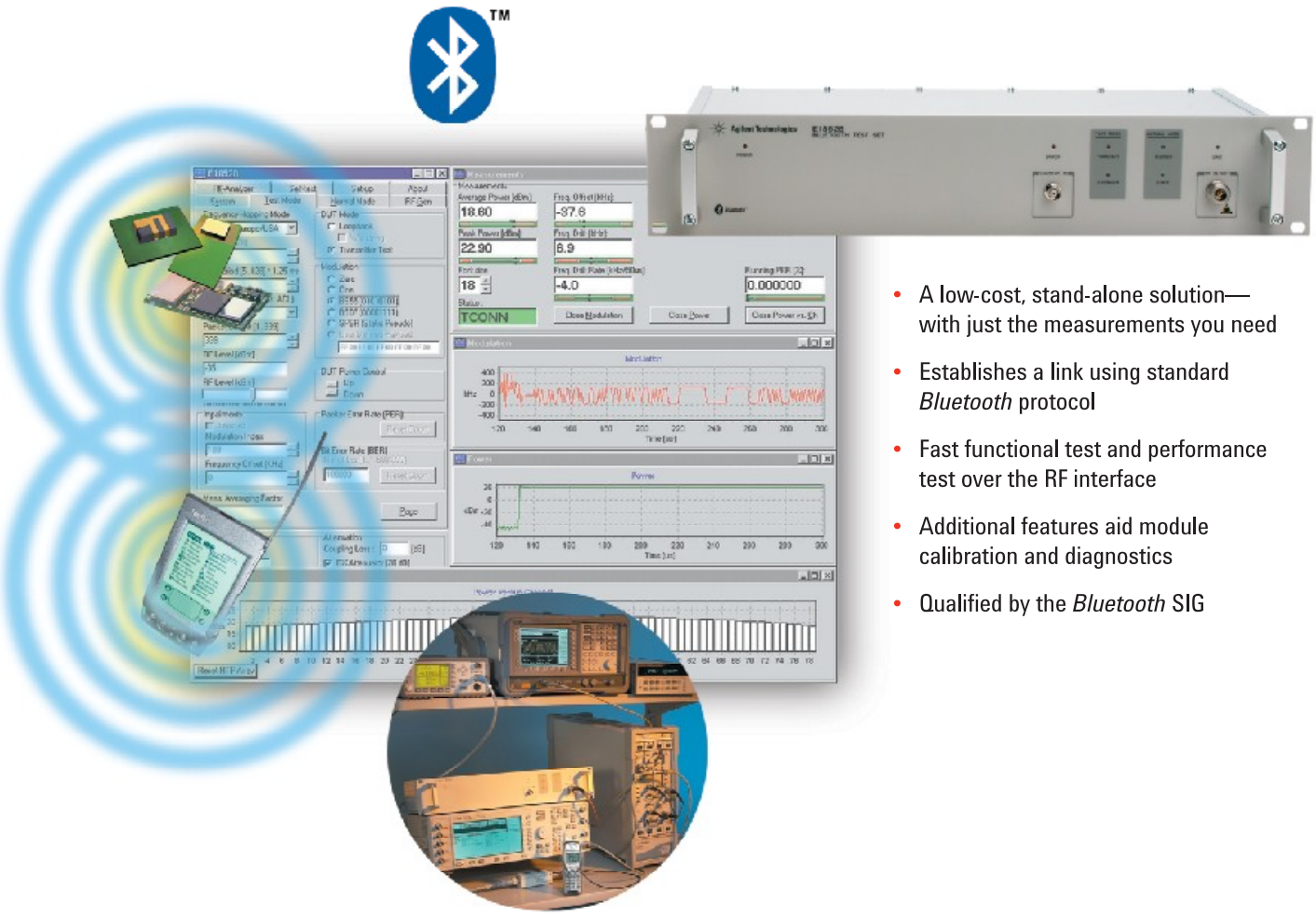
Have confidence in your *Bluetooth*™ wireless technology tests...

...ensure product quality without compromising throughput and costs

Agilent E1852B *Bluetooth* Test Set



- A low-cost, stand-alone solution—with just the measurements you need
- Establishes a link using standard *Bluetooth* protocol
- Fast functional test and performance test over the RF interface
- Additional features aid module calibration and diagnostics
- Qualified by the *Bluetooth* SIG

Agilent Technologies

Agilent Technologies E1852B *Bluetooth* Test Set

Meet customer demand for *Bluetooth* enabled devices

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

Agilent's E1852B 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 E1852B can be used to assess the performance of different vendors' modules and help you make an appropriate selection. RF generator and RF analyzer functions can be used to characterize elements of the transceiver design making the E1852B an invaluable development tool. As you integrate *Bluetooth* wireless technology capability into your product, the E1852B will help verify the interoperability 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 E1852B 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 E1852B 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 in loopback and transmitter test mode to assure reliable interoperability with other *Bluetooth* devices. Test development is done in a familiar programming environment with *plug&play* drivers. The E1852B supports both GPIB and parallel port interfaces to ensure smooth test system integration.

Measurement capabilities for developers and manufacturers:

Functional Test

- Establishes link with standard *Bluetooth* protocol
- Frequency-hopping source and receiver with known performance
- Inquiry mode scans for available *Bluetooth* devices
- Page-mode provides fast 2 second link set-up
- Audio input and output provides audio test capability

Transmitter Measurements

- Power vs. time
- FM deviation
- Frequency error and drift in transmitter test mode and loopback mode

Receiver Measurements

- Bit error rate (BER)
- Packet error rate (PER)
- Multi-slot packets supported

The E1852B 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 GPIB or 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 GPIB or 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/

For more information about Agilent Technologies test and measurement products, applications, services, and for a current sales office listing, visit our website:
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Printed in the USA December 5, 2001
5988-4969EN

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