Bluetooth® Qualification Tester
Protocol Tester

V2.1 +EDR Now Available
BITE Protocol Conformance Tester

Testing and Qualifying Bluetooth® Products

Bluetooth Qualification is the official process that all the equipment and applications must fulfill in order to get the Bluetooth logo. The qualification shows a certain measure of compliance and interoperability.

BITE (Bluetooth Qualification TEster) is a powerful and automatic test system that will make easy all the steps of the qualification testing, from filling the PICS/PIXIT tables to the test report generation.

AT4 wireless, your best partner in Bluetooth

AT4 wireless is a world-wide reference at the moment for Bluetooth Testing and Qualification, from our early experience in 1998 in the definition of the qualification process to our leadership in qualification testing through our state-of-the-art BQTF and experienced BQBs.

This deep knowledge in the technology is driving our leadership in Bluetooth conformance testers with our world-class reference platform, BITE.

Key Features

The BITE Protocol Tester performs automatically the conformance test cases for Bluetooth protocols and profiles, according to the Bluetooth Qualification Test Cases Reference List (TCRL), both for V1.2 and V2.0+EDR implementations.

- Testing BB, LM, GAP, L2CAP, SDP, SPP/RFCOMM and HCI Bluetooth protocols and profiles according to the Bluetooth V1.2 and Bluetooth V2.0+EDR test specifications.
- Officially validated by the Bluetooth SIG (V1.2/V2.0+EDR)
- Friendly Graphic User Interface (GUI)
- Manual/Automatic Test Cases Selection
- PICS/PIXIT Edition
- Test Case Mapping, according to the official TCRL
- Static Conformance Review
- Verdict handling
- Test log Analysis
- Decoding, Filtering and Debugging
- EUT (Equipment Under Test) database
- Automatic Test Report Generator

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Figure 1 shows the hardware architecture of the tester. The Bluetooth hardware is a PCI-based DSP/FPGA platform with a RF front-end. The control and the test software run on the host PC.

**System Architecture**

The test operator will be guided by the system throughout the testing process, and it will have access to all the traces, charts and filtered logs for debugging and analysis.

**Graphical User Interface**

Fully compatible with Microsoft Windows Applications (tables can be filled using Microsoft Excel and Reports are created in Word format). The GUI is very easy to use, robust and powerful and it is common to all AT4 wireless Test Systems, thus maximising the flexibility.

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AT4 wireless provides standard as well as customised support packages, including some or all of the following services:

- Downloading of new software and documentation versions through the BITE Technical Support Web Site. AT4 wireless will inform Customers whenever new releases and new documentation can be downloaded from the AT4 wireless Web Site and will provide the detailed instructions to install the new software.
- Problem Resolution Service, via telephone or e-mail.
- Remote troubleshooting and diagnostics via the Internet. The customer can give access to the system to AT4 wireless Technical Support staff, allowing fast diagnostics and maximising the operation time of the system.
- Repair Service.
- Calibration service.
- Spare units.

Other AT4 wireless Test Systems

AT4 wireless develops other Test Systems:

- The MINT systems cover the testing requirements of GSM/GPRS/EDGE/UMTS mobile terminals.
- The MINT system for WiMAX covers the testing requirements of WiMAX devices.
- The RIDER system is a solution for testing the radio and protocol requirements of RFID products.

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