Wipro Wireless Test Lab
- Bluetooth Qualification Test Facility (BQTF)

Bluetooth Qualification is a certification process of testing standards for all products that use Bluetooth wireless technology. Bluetooth Qualification is necessary to obtain a Bluetooth Intellectual Property License and in order to affix the Bluetooth trademark to a product.

Wipro is an authorized Bluetooth Qualification Test Facility (BQTF) for the Bluetooth SIG Qualification program of Protocol and Profile Conformance. Wipro Wireless Test Lab also offers compliance and interoperability testing. The laboratory will be a one-stop for Bluetooth verification and validation of wireless and mobile devices.

Services from Wipro
- Baseband layer (BB)
- Link Manager Protocol (LMP)
- Logical Link Control and Adaptation Protocol (L2CAP)
- Service Discovery Protocol (SDP)
- Generic Access Profile (GAP)
- Host Control Interface (HCI)
- Serial Port Profile (SPP) / RFCOMM

Bluetooth Protocol testing will be done using the BITE Protocol Tester.

BIT E - Bluetooth Qualification Test Systems
The BITE (Bluetooth Qualification Tester) Protocol Test system from AT4 wireless is a suite of automated conformance test cases for Bluetooth protocols and conformance profiles, as per the Bluetooth Qualification Test Cases Reference List (TCRL) for V1.2, V2.0+EDR and V2.1+ED R implementations.

Key Features of BITE Protocol Tester
- Testing of L2CAP, SDP, BB, LM, GAP, SPP/RFCOMM and HCI Bluetooth protocols and profiles according to the BT 1.2, BT 2.0+EDR and BT 2.1+ED R test specifications
- Test Log Analysis, Online Trace and Script Progress Trace
- Decoding, Filtering and Debugging
- ICS/IXIT Edition
- EUT (Equipment Under Test) Database
- Static Conformance Review
- Friendly Graphic User Interface (GUI)
- Manual/Automatic Test Cases Selection
- Test Result Management
- Obtaining Test Log
- Automatic Test Report Generator
- PC based platform with Windows XP
Profile Testing Services from Wipro

<table>
<thead>
<tr>
<th>A2DP 1.2</th>
<th>HCRP 1.2</th>
<th>SYNC 1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVRCP 1.4</td>
<td>HDP 1.0</td>
<td>OPP 1.1</td>
</tr>
<tr>
<td>BIP 1.0</td>
<td>HFP 1.5</td>
<td>PAN 1.0</td>
</tr>
<tr>
<td>BPP 1.2</td>
<td>HID 1.0</td>
<td>PBAP 1.0</td>
</tr>
<tr>
<td>DUN 1.1</td>
<td>HSP 1.1</td>
<td></td>
</tr>
<tr>
<td>FTP 1.1</td>
<td>HSP 1.2</td>
<td></td>
</tr>
</tbody>
</table>

Profile testing will be done using Bluetooth SIG's PTS (Profile Tuning Suite).

Profile Tuning Suite (PTS)

- The Profile Tuning Suite (PTS) is a one-of-a-kind tool, created by the Bluetooth SIG for its members. The tool automates profile testing to reduce the cost and time associated with qualification.
- PTS runs on a standard PC and can simulate any Bluetooth device or profile (HSP, HFP, OPP, etc.) allowing for in-house interoperability testing of new devices, with the full range of possible devices and applications.

Benefits of Wipro's Bluetooth Qualification Testing

- Thorough testing of protocols and profiles for compliance with Bluetooth SIG standards
- Implementation of testing in compliance with Bluetooth specifications
- Interoperability of the device with other Bluetooth devices
- Bluetooth certification with Bluetooth trademark as per Bluetooth SIG
- Listing of the Bluetooth certified product with Bluetooth SIG

For further information on our Wireless Test Lab - Wireless Test Lab - Bluetooth Qualification Test Facility, please contact:
Sanjay Seth
sanjay.seth@wipro.com
+ 91 98451 97657

© 2010 Wipro Technologies. All rights reserved. All trademarks and copyrights, registered and unregistered, used in this document are properties of their respective owners.
The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Wipro is under license.