



Comprehensive Bluetooth™ test solution from 7 layers and Rohde & Schwarz

"Ready to test" for *Bluetooth*™

✍ Bluetooth Congress 2002, Amsterdam —. Using the validated Rohde & Schwarz Bluetooth™ Test Systems TS8960 and PTW60 as a base platform, the service provider 7 layers has developed a preconfigured *Bluetooth* test solution with a corresponding set of services. The Rohde & Schwarz *Bluetooth* Test Systems TS8960 and PTW60 are combined with the InterLab® system from 7 layers to meet the complex requirements of *Bluetooth* testing. Under the name InterLab®, this *Bluetooth* test solution is offered to developers, manufacturers and test houses worldwide.

Within the next few years, Bluetooth, the new wireless standard for short distances, will make its way into almost all sectors of everyday life. Whether mobile phones, PCs or toys – it's always an advantage if cables can be replaced by wireless communication. Developers, manufacturers and test houses worldwide will experience an enormous demand for conformance and qualification tests for *Bluetooth* devices, because no product will be allowed to bear the coveted *Bluetooth* logo or uses this designation without having successfully passed the specified test. 7 layers and Rohde & Schwarz, two of the world's leading *Bluetooth* experts, are now combining their many years of know-how within a test solution that greatly facilitates the first steps into the *Bluetooth* test environment.

The InterLab® system combines measurements for wireless communication technologies such as *Bluetooth* with services that simplify the testing of telecommunication products. In 2000, Rohde & Schwarz launched the world's first *Bluetooth* test platforms for conformance tests on the market: the Protocol Tester PTW60 and the RF Test System TS8960. Since then, the two test systems have been officially validated by the Bluetooth Special Interest Group (SIG). Today, Rohde & Schwarz is the world's leading supplier of *Bluetooth* test equipment: Even the officially accredited Bluetooth Qualification Test Facilities (BQTF) use the Rohde & Schwarz test systems. 7 layers headquarters in Düsseldorf-Ratingen is itself a BQTF, and it uses the

InterLab® system in a network with another 12 *Bluetooth* laboratories. In addition, 7 layers maintains *Bluetooth* Qualification Bodies (BQB) in Europe and in the USA. These bodies are individuals appointed by the SIG and they are the only ones worldwide who are authorized to list products as being *Bluetooth*-conformant and to assign the *Bluetooth* logo.

The combination of Rohde & Schwarz test equipment and 7 layers *Bluetooth* test competence provides developers, manufacturers and test houses with a comprehensive solution for *Bluetooth* development and qualification. This solution ensures continuous access to all official specifications, specified tests and their associated explanations, as well as other services required in order to implement the test projects. InterLab® supports the entire test project process, from the creation of a test plan, to the defining of special test cases all the way through to the actual testing and automatic evaluation of results. Depending on requirements, existing test equipment can be combined with InterLab® services, or Rohde & Schwarz equipment be purchased in combination with the InterLab® system.

BLUETOOTH is a trademark owned by Bluetooth SIG, Inc., USA, and licensed to Rohde & Schwarz.

InterLab® is a registered trademark of 7 layers AG.

7 layers

7 layers is an engineering company for the wireless communications industry specialized in fields such as *Bluetooth*™, GSM, GPRS, and 3G. The company supports manufacturers of chip sets and final products as well as test houses by offering them a wide service spectrum ranging from product development to test services and certification or qualification. 7 layers participated in the creation of the *Bluetooth*™ qualification program and has developed various *Bluetooth*™ specifications. 7 layers was also one of the first approved Bluetooth™ Qualification Test Facilities (BQTF), and uses test and measurement equipment from Rohde & Schwarz in its test and service centers in Ratingen (Germany), Irvine (USA), Beijing (China) and Cambridge (UK). To date, more than 70% of all lower layer implementations have been tested and qualified by 7 layers. For more information, see www.7Layers.com.

Rohde & Schwarz

The Rohde & Schwarz group of companies with headquarters in Munich develops, produces and markets communications and T&M instruments and systems with the emphasis on mobile radio, broadcasting, EMC measurements, general-purpose and RF test equipment, radiomonitoring and radiolocation, radiocommunications as well as IT security. Rohde & Schwarz has subsidiaries and representatives in over 70 countries. The group with its 5.600 employees achieves an annual turnover in excess of one billion Euro worldwide.

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