



# BLUETOOTH® QUALIFICATION SERVICES

Test House | Systems House | Software House



Products with integrated Bluetooth® technology are becoming more and more popular. 7Layers has experience with Bluetooth® right from the start and we cover all core specifications from version 1.2 up to 4.0 (Bluetooth® Low Energy).

The 7Layers' BQTFs offer a comprehensive scope of services necessary to bring your wireless devices to the global market.

## BLUETOOTH® PRE-QUALIFICATION SERVICES

By testing only a few, critical factors, you gain valuable know-how about product behavior already during the R&D phase.

## BLUETOOTH® INTEROPERABILITY SERVICES

Technical interoperability and straight forward installation is a must if manufacturers want to meet customers' expectations. For this purpose we have developed a variety of interoperability test plans and test set-ups.

## LISTING STRATEGIES

For a new Bluetooth® product manufacturers can choose

between listing or project handling via a BQTF. We provide you with the necessary information to decide and/or develop

efficient listing strategies for comprehensive product portfolios which help reduce test time and qualification costs.

## BLUETOOTH® QUALIFICATION SERVICES

In our BQTFs 7Layers provides all Bluetooth® test services

necessary for qualification. Our BQEs handle the complete qualification process for you and help make sure your products meet the Bluetooth® requirements.

## CTIA COMPATIBILITY

Bluetooth® enabled mobile phones and Bluetooth® headsets, that are to be marketed in the USA, have to be tested against the Bluetooth CTIA Compatibility Certification Program. As a CTIA authorized test laboratory (CATL) we provide the necessary test and certification services.

## BLUETOOTH® TESTING AT A GLANCE

- All Bluetooth® test requirements available
- Three Bluetooth® Qualification Experts
- Two Bluetooth® Qualification Test Facilities

## TEST PROJECT HANDLING

Based on years of experience and up-to-date knowledge of certification, regulatory and further market access requirements, we start every project by developing a customized strategy, in order to reduce test time as well as certification, qualification and type approval handling costs.

Testing takes place in state-of-the-art laboratories with a wide range of test equipment from various manufacturers. Projects are accompanied by a dedicated project manager, making sure that your project is handled efficiently and with a high level of confidentiality.

## 7LAYERS BLUETOOTH® EXPERTISE

Our engineers have outstanding experience with the Bluetooth® technology. We were deeply involved in the development of early Bluetooth® Qualification Programs and Test Specifications. Today our group has 2 officially recognized Bluetooth® Qualification Test Facilities (BQTF's) and 3 experienced Bluetooth® Qualification Experts (BQE's).

We are also developing test solutions for the Bluetooth® technology. Therefore we are continuously keeping track of all new developments. Our InterLab® Test Solution Bluetooth® RF covers all Bluetooth® RF tests for Version 2.0 / 2.1+EDR, 3.0+HS and Low Energy (v4.0).

As a global supplier of test and market access services for the wireless communications industry, we also offer conformance and interoperability test services for technologies such as WiFi, W-LAN, 2G, 3G, LTE etc. as well as EMC-testing.



## ADDITIONAL MARKET ACCESS SERVICES

### REGULATORY TESTING

7Layers provides all regulatory requirements (R&TTE, FCC, IC...) that have to be fulfilled in addition to Bluetooth® qualification.

### WORLDWIDE TYPE APPROVAL

Depending on your target market rules and regulations for type approval and market access vary considerably. 7Layers has years of experience with type approval handling for all countries in the world. From complicated, unregulated markets, markets that require in-country testing, to classical type approval or self declaration - we can help you master it all.

<b>Germany</b>	+ 49.2102.7490
<b>France</b>	+ 33.612.717.783
<b>Spain</b>	+ 34.634.507.296
<b>Israel</b>	+ 972.3.6450756
<b>P.R. of China</b>	+ 86.10.68050369
<b>Taiwan R.O.C.</b>	+ 886.2.29551270
<b>South Korea</b>	+ 82.70.88532301
<b>Japan</b>	+ 81.45.5340515
<b>USA</b>	+ 1.949.7166512