



## 7LAYERS WIRELESS EXPERTISE FOR FAST AND RELIABLE MARKET ACCESS

7layers offers services and tools for requirements management, verification and validation that help ensure our clients' products and services live up to the demands of a smarter world. 7layers' engineers have been serving the mobile phone industry right from the start. Today we also work hand-in-hand with the growing number of industries involved in the increased usage of wireless communication in all areas of modern life.

World's leading wireless device manufacturers have been turning to 7layers for many years. Our comprehensive technology and testing expertise enables them to meet market access requirements in all regions in the world fast and reliably.

The international 7layers group of accredited test and service centers in North America, Europe, and Asia has years of experience in serving wireless industries such as:

### TECHNOLOGY PROVIDERS

- Chipset manufacturers
- RF and protocol stack manufacturers
- Reference design manufacturers
- Module manufacturers and vendors

### MOBILE DEVICE MANUFACTURERS

- Mobile phones
- Smart phones
- Headsets, data cards, dongles,
- Tablet PCs etc.

## EUROPE

### Germany

Ratingen  
Phone +49.2102.749.0

### Agency Spain

Palma  
Phone +34.634.507.296

### Agency France

Paris  
Phone +33.612.717.783

## ASIA

### P.R. of China

Beijing  
Phone +86.10.6805.0368

Shenzhen  
Phone +86.755.865.23100

### Japan

Yokohama  
Phone +81.45.949.6020

### Interlab Agency Taiwan

New Taipei City  
Phone +886.2.2696.2828

## NORTH AMERICA

### USA

Irvine, CA  
Phone +1.949.716.6512

Sunnyvale, CA  
Phone +1.669.600.5293

Services for manufacturers and vendors of mobile devices

## MOBILE DEVICES SERVICES & PRODUCTS FOR TESTING & MARKET ACCESS

Test House | Systems House | Software House

7layers - A Bureau Veritas Group Company



Meet growing market demands for leading-edge mobile devices with offerings from the global 7layers group



**TECHNOLOGIES**  
 LTE UTRAN GERAN CDMA LPWAN GPS  
 WiMAX Bluetooth® 802.11.x NFC Zigbee

## Helping you meet the requirements of a smarter world



### 7LAYERS WIRELESS EXPERTISE

Years of experience in development support, testing, certification and global type approval make 7layers an ideal partner for the wireless and M2M industries. We actively participate in major committees, such as 3GPP, ETSI, GSMA, PTCRB, Bluetooth® SIG, LoRa etc. This way we keep up-to-date regarding the latest technology developments and market access requirements, making us winner of the PTCRB award of excellence several times.

We also develop requirements specifications, test specifications, test cases and test systems. The 7layers test lab services are complemented with a variety of engineering services such as antenna integration and RF consulting, module integration etc.

Testing takes place in our well equipped laboratories which are organized via the Interlab® EVO test management system for high efficiency and reliable results.

### CONSULTING SERVICES

- Consultancy on radio technologies and market access requirements
- Test plan strategies
- RF consulting and antenna integration
- Certification maintenance concepts

### TEST AND MARKET ACCESS SERVICES

The comprehensive capabilities of our own accredited test laboratories are ideally complimented with the services of the laboratories of our parent company Bureau Veritas and a global network of in-country partner test labs.

### TEST SERVICES

- Pre-testing
- Certification and qualification testing
- Regulatory testing
- Conformance testing
- Interoperability and field testing
- Application & Performance testing

### CERTIFICATION SERVICES

- PTCRB
- GCF - in our recognized RTOs & ACEs
- Bluetooth®
- Thread
- LoRa
- TETRA BOS
- MirrorLink
- Qi
- Quality Assessments (approvals of operators, carriers, suppliers etc.)

### GLOBAL TYPE APPROVAL

For all countries worldwide, including, CE-marking, RED, e-marking, FCC, ISED Canada

### TEST LAB MANAGEMENT WITH INTERLAB® EVO

The complex tasks of wireless test laboratories can be handled efficiently with Interlab® EVO, a web-based collaboration platform for all stakeholders involved in a verification lifecycle management process for which users can also buy ready-to-use content packages from 7layers.



### INTERLAB® TEST SOLUTIONS

- Bluetooth® RF conformance tester V.2 up to V.5
- DEVICE/UICC conformance tester
- TTY software solution
- Climatic chamber control