TESTING SCOPE

The InterLab® Test Solution TD-LTE/TD-SCDMA IRAT verifies the conformity of dual mode terminals with integrated TD-LTE and TD-SCDMA technology regarding IRAT (Inter Radio Access Technology) functionalities.

TD-LTE and TD-SCDMA IRAT conformance test cases enable chipset and terminal manufacturers to develop and certify the respective dual mode devices.

TD-LTE is the time-division duplex version of the LTE standard. It enables high-speed mobile Internet access and is on its way to obtain a significant share in the worldwide LTE market.

TD-SCDMA is a cost effective and flexible 3G standard, which can be deployed both in densely populated and low populated rural areas, which is especially important for the continuously growing Chinese market.

With the number of LTE devices rising, China Mobile is developing its own requirements regarding TD-LTE and TD-SCDMA mobile converged devices.

The InterLab® Test Solution TD-LTE/TD-SCDMA IRAT is geared to cover requirements of both GCF and China Mobile. It works in combination with the Aeroflex 7100 protocol tester.

FURTHER OPTIONS

This InterLab® Test Solution can also be used for the automated, correct configuration of the protocol tester and fully automated protocol testing.

It is suitable for development and conformance testing.

TECHNICAL DETAILS

The “InterLab® Test Solution TD-LTE/TD-SCDMA IRAT” has been registered as test platform TP 138 and has been approved by GCF.

The cost-efficient InterLab® Test Solution features a straightforward graphical user interface (GUI) that makes it extremely easy to use.

Due to the high level of automation, the number of possible handling errors can be significantly reduced and test capabilities can be utilized 24/7!

It ideally extends the Aeroflex 7100 for combined TD-LTE and TD SCDMA IRAT test cases, especially important for the Chinese Market.
**INTERLAB® TEST SOLUTION**  
**TD-LTE/TD-SCDMA IRAT**

**HARDWARE AND SOFTWARE UNITS**

The InterLab® Test Solution TD-LTE/TD-SCDMA IRAT includes the following hardware and software units:

**HARDWARE**
- InterLab® Test Solution is a high quality, one-box test system with integrated InterLab® software components

**SOFTWARE**
- TD-LTE/TD-SCDMA IRAT test case packages for both TD-LTE and TD-SCDMA IRAT protocol testing covering requirements from GCF and China Mobile
- for usage with Aeroflex 7100
- InterLab® Test Engine for automation
- "OUT" Descriptor
  - for terminal capability description
  - for test case configuration

**DOCUMENTATION**
- User Manual, "Getting Started", Release Note
- Installation Guide, System Requirements

**USER BENEFITS**
- Test solution for all existing and upcoming TD-LTE and TD SCDMA IRAT test requirements
- Only one graphical user interface for the operation of both the InterLab and Aeroflex test solution
- High level of automation
  - Automatic configuration of all involved test equipment based on the description of just a few "object under test" capabilities
  - Automated handling of the terminal under test, via EMMI
  - Automatic control and operation of all involved test equipment
  - Automatic collection and storage of all related result files

Users benefit from fully automated testing by using the automation functionalities of the Test System plus the remote control interface of the LTE/SCDMA device. Full automation allows the execution and performance of test sequences without any user interactions.

**ADDITIONAL SERVICES**
- Set-Up services
- Introductory training
- Support & maintenance
- Onsite support