

# Device Testing

TEOCO provides state-of-the-art lab and field testing services to the world's leading device manufacturers

As communication technology advances, device testing becomes increasingly complex and time consuming. Increased testing makes it challenging for equipment manufacturers to meet project deadlines. It can also impact time-to-market for devices, which is critical for commercial success.

It is important for network operators to certify new devices to ensure they meet the minimum performance requirements before you allow them onto the network where they could negatively affect your subscribers.

TEOCO operates a state-of-the-art test lab with highly experienced test engineers and lab managers to guide customers through device certification in the quickest and most cost-efficient manner. Our lab follows industry-standard testing methodologies and is an Approved Vendor Lab (AVL) for AT&T 10776 testing.

TEOCO's highly respected test services are used by the world's leading device manufactures. These customers have chosen us as a trusted partner for device testing services. In the past 5 years, our device lab has tested over 900 devices, including phones, tablets, data cards, modules and chipsets from more than 45 manufacturers.

**State-of-the-art  
device testing lab**

**Used by the world's  
leading device  
manufactures**

**Approved Vendor  
Lab for AT&T**

**Trusted partner for  
device testing  
services**

Our lab provides radio protocol, performance and applications testing for AT&T's 10776 device acceptance requirement. Over 2100 test cases are supported in areas such as:

- Carrier Aggregation
- VoLTE
- AGPS
- Parametric performance
- PS data performance
- AMR
- Network Selection
- RRC/iRAT
- RAB/multi-RAB
- Call Processing
- SIM-ME
- OTA
- FOTA
- Device management
- MMS
- SMS
- Device security
- Third-party applications

We provide R&D, lab entry, regression testing and maintenance release testing.

## Lab Testing

The TEOCO Test Lab is an accredited AT&T 10776 third-party Approved Vendor Lab. It is staffed with an experienced team of radio and applications test engineers. Our partnering approach and independent third-party perspective has reduced time-to-market for many successful carrier validations.

Typically, operator acceptance testing can overlap with vendor R&D testing, a situation complicated by the struggle to keep up with operational requirements on both sides. Using TEOCO's extensive line of testing services, equipment and procedures we bridge the gap between vendor and operator test requirements. Our device testing services provide telecom organizations with proven experience in device testing and quality assurance procedures. TEOCO can also offer R&D support and pre-acceptance lab testing, field testing and interoperability testing support from our state-of-the-art test lab in Dallas, Texas.

With the growth of the Internet of Things resulting in many more devices on the network, all of which are able to introduce interference, certification of devices will become even more critical than it is today.

## Field Testing

TEOCO's field testing uses proven testing methods to validate 2G, 3G, 4G, & LTE mobile devices in live networks. Our end-to-end services include executing customized R&D test plans and operator-specific field testing in various markets. We have field engineers located throughout the US and internationally, who can easily test the required markets.

We also offer training courses to enhance the skills of engineers specializing in field testing. Our strategy for global field testing is resourcing experienced field test engineers with local knowledge in global markets. TEOCO will create, or assist in creating, your customized field test plans for new technologies.

We have experience with multiple mobile platforms and operators to support flashing, logging, troubleshooting, reporting and real time defect management. In addition to our field testing services, we offer our secure, web-based test management tool. This tool will help your team track and manage defects and test progress from anywhere, over the life of the product.

## Field Test Service Offerings

Field and Market  
Evaluation

Operator AVL  
Testing

Strategic  
Outsourcing

