



Add value.  
Inspire trust.

## Radio testing

Ensure your telecommunications equipment conforms to international regulatory requirements

### Your challenges

In order for radio and telecommunications equipment to be sold in various markets worldwide, it is a legal requirement to ensure that these wireless devices are compliant with local regulations. These complex requirements vary from region to region. What's more, they not only apply to manufacturers but also to the persons responsible for placing the devices on the market. Understanding the regulations of your intended markets takes considerable time and effort.

### What is radio testing?

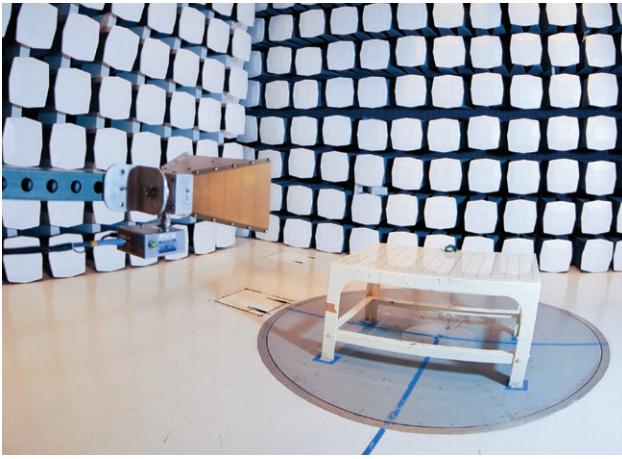
Radio frequency (RF) testing simulates the functionality and performance of radio and telecommunications equipment to ensure each device will not interfere with other users of the RF spectrum. Other tests are also usually required to verify that your device meets local regulations for electromagnetic compatibility (EMC), electrical safety and RF exposure.

### Why is radio testing important for your business?

If you manufacture wireless devices or incorporate wireless devices into your end product, you must comply with the regulations of your intended markets. Products that are not compliant cannot be legally sold. By partnering with an experienced testing and certification body, your business can avoid compliance failure and incorrect labelling that may lead to market recalls, heavy fines and loss of reputation.

### How can you prepare for radio testing?

Depending on the technologies used within your device, testing can be expensive unless you follow some simple steps. Preparation is vital to ensure the test programme runs smoothly. It is advisable to conduct pre-testing with an experienced partner such as TÜV SÜD. This enables early identification of any design flaws and improves the prospects of success during formal testing.



## How can we help you?

TÜV SÜD has a wealth of experience in testing the majority of wireless communications devices. Our experts are well versed in the regulations of the world's main markets. Their expertise enables us to provide a one-stop solution for all types of testing and a world-leading certification service.

## Our radio testing services

TÜV SÜD provides the full range of radio testing and certification services for wireless devices. Our test reports and certificates conform to the different market requirements around the globe, ensuring quick access to your intended market.

### ■ RF and EMC testing

We offer accredited testing to the majority of international standards including ETSI, CENELEC, FCC, ISED and ARIB.

### ■ Safety testing

As a member of the CB Scheme and a recognised NRTL, TÜV SÜD's team of experts provide safety testing and certification.

### ■ Environmental testing

TÜV SÜD conducts state-of-the-art environmental testing services such as climatic testing, mechanical shock and vibration testing.

### ■ Certification

Our industry accreditations include:

- Notified Body under the RED, EMC, Low Voltage and Marine Equipment Directives for the European Union.
- Telecommunication Certification Body (TCB) – certification of wireless devices by the FCC for the U.S.
- Foreign Certification Body (FCB) – certification of wireless devices for Canada.
- RFCAB – certification of wireless devices for Japan.

## Your business benefits

- **Save time** – by conducting all of the required testing for your product in parallel, thereby condensing your testing project.
- **Enhance efficiency** – with access to local experts on the ground wherever you are to help with your compliance requirements.
- **Accelerate time to market** – with a one-stop testing and certification solution that addresses all your regulatory compliance requirements.
- **Minimise risk** – by checking and testing for any issues or defects before your product enters the market.

## Why choose TÜV SÜD?

The TÜV SÜD brand is world renowned when it comes to testing and certification. Our multidisciplinary team is made up of experts in most areas of wireless testing and certification. With our global experience and local presence, we are in a unique position to respond quickly to your testing requirements.

In addition to RF testing, our one-stop solution demonstrates that your products comply to global compliance with relevant EMC, electrical safety and RF exposure standards. To complement these services, we can certify your products for the global market. A certificate from TÜV SÜD is recognised worldwide, granting you fast, hassle-free access to your intended markets.

## Add value. Inspire trust.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East and Asia. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

## Related services

TÜV SÜD provides the following related services:

- Certification of wireless devices
- Environmental testing
- Marine testing and certification
- RF exposure assessment
- SAR testing