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**Choose certainty.
Add value.**

EMC testing

One-stop solutions for ensuring the electromagnetic compatibility of your products.

Your challenges

A growing number of electronic devices are being used in our daily lives, making electromagnetic compatibility (EMC) increasingly important. To comply with market requirements and avoid costly recalls, manufacturers in industries such as consumer products, medical devices, industrial machinery, railway, automotive, aerospace and military equipment must ensure that electromagnetic disturbances do not interfere with the function of their products. These manufacturers are also under pressure to maintain quality while reducing cost and time to market.

What is EMC testing?

Electromagnetic compatibility is the ability of equipment or systems to function satisfactorily in their electromagnetic environment without introducing intolerable electromagnetic disturbance to anything in that environment. EMC testing is a series of tests to ensure the product's electromagnetic compatibility.

Why is EMC testing important for your business?

EMC compliance is a mandatory requirement in most markets including Europe, the U.S., China, Korea, Australia and New Zealand. EMC testing is necessary to help you meet regulatory requirements, improve product performance and reduce the risk of costly non-compliance. Third-party EMC tests and conformity assessments also help to strengthen your competitive position in the market.

How can you prepare for EMC testing?

It is important to consider EMC requirements from the beginning of the product design cycle, apply good EMC engineering practices, provide a list of sources of clock and critical EMC components, and prepare supporting equipment with satisfactory EMC performance.

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How can we help you?

TÜV SÜD's experts offer comprehensive testing and certification based on their complete knowledge of EMC legislation, guidelines and standards. Our testing can cover all types of products, from small appliances to large defence industry machines. We assist you to resolve any EMC regulatory issues, from design concept to final production.

Our EMC testing services

We provide a one-stop service that covers all of your testing and certification needs. Our experts provide project management to ensure that your EMC tests run smoothly. You can choose to have tests performed at our labs, on your premises or anywhere your product is installed.

EMC testing accreditations, appointments and listings:

- UKAS accredited testing laboratory (No. 0141 Group)
- FCC Listed
- CESG accredited
- CAA appointed (Aeronautical)
- Competent Body for the EMC Directive
- A VCA Technical Service for Automotive component testing
- Industry Canada listed
- EMC-CBTL
- CAA approved (Air Navigation Order)

Your business benefits

- **Save money and time** – by resolving issues of product EMC, safety, quality and usability during the early stages of product development and design. This reduces the costs and delays associated with modification and redesign of the final product.

- **Minimise risks** – from EMC-related issues and defects before your product enters the market, reducing the possibility of damage to your business reputation.
- **Gain a competitive edge** – with certification that confirms your product is compliant, backed by TÜV SÜD's strong reputation for independence.
- **Benefit from complete solutions** – with support and related testing services from TÜV SÜD at all stages of product development up to mass production.

Why choose TÜV SÜD?

TÜV SÜD is the world's largest independent provider of EMC testing and certification services. Our experts are specialists when it comes to testing products in their intended operating environments. We provide global coverage with our international network of laboratories, while the services we offer can be tailored to meet your unique local market needs.

Our professional and technically qualified engineers are active in national and international technical committees for safety and EMC. This makes them well suited to provide you with valuable understanding of the latest standards and regulations to help you keep ahead of the competition.

Choose certainty. Add value.

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:
- Electrical safety testing
- Reliability testing
- RoHS testing
- Energy efficiency testing
- REACH directive