



SLG Prüf- und
Zertifizierungs GmbH

Electromagnetic compatibility (EMC)

EMC and radio testing of components,
devices, vehicles and systems

Worldwide expertise

SLG's EMC laboratory is recognised by the Central Authority of the Länder for Health Protection with regard to Medicinal Products and Medical Devices (ZLG) for testing on compatibility with electromagnetic disturbances (EMC) of active medical devices and IVD devices.

As a CB testing laboratory and certification body, we perform tests acc. to IEC standards and are authorised to issue CB certificates.



Anerkannt durch/Recognized by
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln und
Medizinprodukten
www.zlg.de
ZLG-AP-182.16.01

Contact

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Please, visit our website at www.slg.de.com for more
information on our services.



Electromagnetic compatibility

Electromagnetic compatibility, short EMC, describes the capability of a device to work properly in an electromagnetic environment without itself causing electromagnetic interferences which are unacceptable for other devices present in this environment.

Our EMC services are designed to assist you in every stage from product development to market approval.

EMC services at SLG:

- Workshops on EMC topics
- Standards research – compilation of legal and standard requirements applicable for your product
- EMC tests according to national, international, and customer-specific standards such as ANSI, CISPR, EN, ETSI, FCC, DNV GL, IEC, ISO, MIL, OIML, RTCA DO, VDE, ...
- Tests accompanying product development
- Workshops on technical topics as well as issues relating to have a product approved and introduced to the market, organised by SLG Akademie GmbH (www.slg-akademie.de)

Present your product to us! We are happy to provide a quotation on relevant EMC or radio tests.

EMC tests on vehicles

Our EMC laboratory is designated as **Technical Service Category A** (KBA-P 00030-01) by the German Motor Transport Authority (KBA) and thus, authorised to perform tests which form the basis for granting EC type approvals and UN ECE type approvals as well as tests according to national road traffic regulations.

On the basis of our test reports the approval authority grants the corresponding type approvals.

Our services:

- In the motor vehicle sector, we test electrical and petrol powered two-, three- and four-wheeled vehicles and their components.
- Furthermore, we perform **tests on EUB** (automotive components), amongst others tests according to ISO 7637, ISO 11452, CISPR 12, CISPR 25 as well as OEM specifications and factory standards.
- For **railway vehicles** and equipment for railway environment as well as their components we provide EMC tests, e. g. according to EN 50121-x, EN 50155 and requirements of railway companies.

EMF – electromagnetic fields

- Advice and measurements (also on-site) according to 26. BImSchV, BGV B11, EN 62233, EN 62493 and similar standards
- Information on the topic “Electrosmog”

Radio testing

For the dynamically-developing field of radio applications including SRD, WLAN, RFID, etc. we perform EMC and radio tests according to ETSI standards, e.g. within the context of the RE directive and according to FCC rules and regulations for the North American market.

Standardisation work

By participating in various standardisation bodies and working groups we keep up to date with the latest developments in testing, certification and standardisation.