

EMF DOSIMETRY LAB SERVICES

The EMF Dosimetry Lab does pre-compliance & compliance testing. However, our decisive advantage and added-value are consulting and guidance during the whole development process.

- SAR testing
- RFID/EAS assessments
- Human safety studies in EMF
- EMF simulation
- Studies & research
- Consulting

OTHER SERVICES

- CE/EMC relevant testing for development & international Type Approval
- Exposure measurements and advice on high-voltage lines and broadcast towers (cellular, radio, television)
- Field measurements at workplaces: BGV/BGR, B11, UVV, 2004/40/EC
- Numerical investigation on EMC and human safety aspects
- SAR, OTA-measurements and battery lifetime tests for mobile devices, CTIA compliance testing
- Tests on high-frequency circuits, components and materials up to 110 GHz
- Environmental testing, i.e. temperatur cycling, mechanical shock & vibration, humidity, ...

→ SAR COMPLIANCE TESTING



CONTACT

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RANGE OF SERVICES

IMST offers accredited dosimetric measurements for wireless communications devices.

Measurements procedures:

- Europe: EN 50383
- FCC: Suppl. C to OET 65 & SAR KDBs
- Australian Com. & Media Authority Radiocommunications Std. 2003
- IEEE Std. 1528
- IEC/EN 62209-1/IEC 62209-2
- Hearing aid compatibility (HAC) according to ANSI-PC63.19

Pre-compliance measurements and production monitoring of devices complement our range of services.

Equipment:

- DASY-Systems
- SAM & flat phantoms
- Dipoles (450 MHz - 5800 MHz)
- Tissue simulating liquids for human head and body
- Hearing aid compatibility test setup

HUMAN SAFETY STANDARDS

Compliance of SAR values is investigated for all international standards and guidelines on human safety in electromagnetic fields:

- European Council Rec. (1999/519/EC)
- ICNIRP 1998 Guidelines
- IEEE Std. C95.1-1999/C95.1-2005
- ARPANSA 2002

Compliance testing according to other telecommunications standards, measurement procedures and human safety guidelines is available upon request.

TELECOMMUNICATION STANDARDS

The supported telecommunication standards include:

- CDMA 800/1900
- DECT (European and American)
- GSM 850/900/1800
- PMR, Tetra, Tetrapol
- PCS 1900
- TDMA 800/1900
- UMTS/WCDMA
- WiMAX
- WLAN & Bluetooth, RFID/EAS
- Data Cards

Your Benefit:

- Accredited SAR measurements
- Broad experience in exposure assessment
- Detailed knowledge of worldwide telecommunication & human safety standards
- Accepted, independent laboratory
- Short response times & fair prices
- Vodafone recommended reference lab

