SAR COMPLIANCE TESTING

EMF DOSIMETRY LAB SERVICES

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

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

RANGE OF SERVICES

IMST offers accredited dosimetric measurements for wireless communication devices.

Frequency Range:
- 0.35 GHz – 6 GHz

Measurement Standards:
- EN 50360 / EN/IEC 62209-1
- EN 50566 / EN/IEC 62209-2
- EN 50383 / EN 50385
- EN 62311 / EN 62479
- IEEE 1528-2013
- FCC 47 CFR Part 2, section 1.1310 / 2.1091 / 2.1093
- IC Safety Code 6 & RSS-102
- ACA 2003 / ARPANSA

Precompliance measurements and production monitoring of devices complement the range of our services.
IMST TEST CENTRE

HUMAN SAFETY STANDARDS

Compliance of SAR values is investigated according to all international standards and guidelines on human safety in electromagnetic fields:
- 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:
- CPMR, TETRA, TETRAPOL
- GSM/GPRS/EDGE
- TDMA
- CDMA2000
- DECT
- WCDMA
- LTE
- WiMAX
- WLAN
- Bluetooth
- RFID/EAS

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

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
- UVW
- 2004/40/EC

Numerical investigation on EMC and human safety aspects SAR, OTA-measurements and CTIA compliance testing

Tests on high-frequency circuits, components and materials up to 110 GHz

Environmental testing, i.e. temperature cycling, mechanical shock & vibration, humidity, etc.