

# 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.

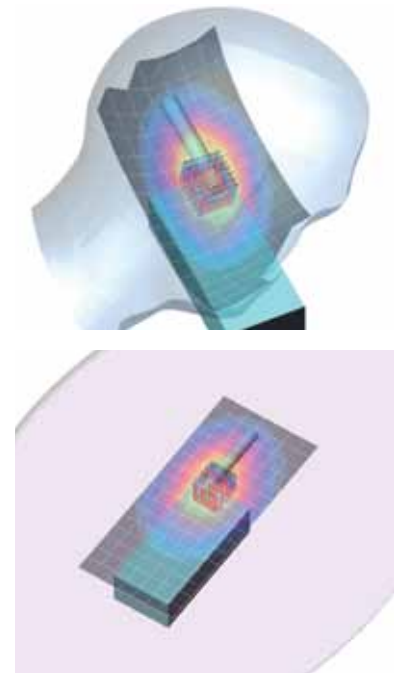
Frequency Range:

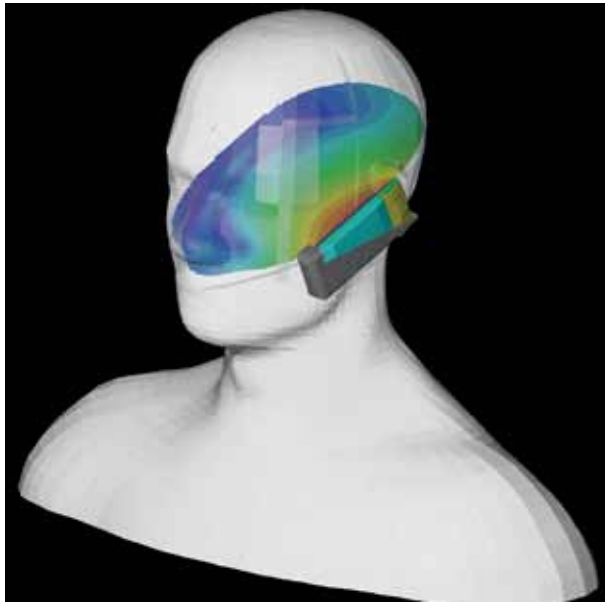
- 0.35 GHz – 6 GHz

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.





## HUMAN SAFETY STANDARDS

Compliance of SAR values is investigated according to 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:

- 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
- UVV
- 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.

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