

Human Exposure Measurements

The transmitters of RF radio services produce electromagnetic emissions people may be exposed to. For assessing people's safety, the exposure must be measured and compared with limits. Complying with relevant standards demonstrates a commitment to protect the health of staff and the public community and satisfies the legal safety requirements LS telcom is offering.

- Performance of measurement campaigns
- Evaluation of the results with respect to legal standards and regulations
- Proven measurement procedures based on international standards and recommendations
- Creation of comprehensive measurement reports
- Reliable, accurate measurement equipment
- EMF Monitoring Services
 - Long term measurements and data storage on points of interest (schools, hospitals,...)

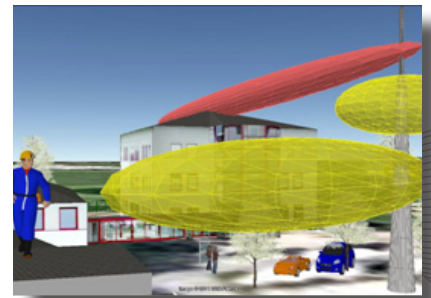


EMF Simulation and Prediction

Computer-based simulation and prediction of electromagnetic fields and exposure distribution from radio base stations / transmitter sites and complete networks and considerations of human safety

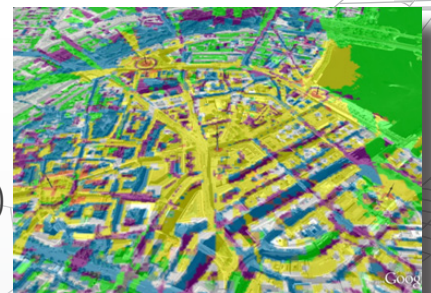
Safety Zone Site Analysis

- Simulation based on technical site parameter
- Evaluation the level of exposure in terms of E-field (V/m), Power density (W/m²), Fraction of limits (%)
- Determination of the safety zones according to the relevant standards
- Creation of Electromagnetic Emission Compliance Site Reports



Network wide Analysis of exposure limits for:

- Arbitrary number of sites
- All services & frequency bands
- Evaluates the level of exposure in fraction of exposure limits (%)
- Visualization on street maps, Google or 3D-View



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