

Report on EMF Activities in Denmark
28th International Advisory Committee Meeting on EMF

Policies and legislation

Occupational and public exposures to radiofrequency EMF are limited in accordance with internationally harmonized CENELEC standards, where reference levels are based on the 1999/519/EC recommendation. Similarly, for low-frequency magnetic fields, exposures are limited in accordance with ICNIRP guidelines as recommended by the EU.

The responsibility for regulation regarding public radiofrequency EMF exposure lies with the Agency for Data Supply and Infrastructure (SDFI). Product safety and conformance to limit values for e.g. cell phones is regulated by the Danish Safety Agency (SIK). Work Environment in Denmark (AT) is the responsible authority for regulating EMF exposure of workers. The responsibility for general health information lies with the Danish Health Authority (SST).

Public concern

Public concern primarily regards 5G rollout, telecommunications in general and low-frequency magnetic fields from power lines, transformers and underground cables. SST is having periodic meetings with SDFI to ensure that sufficient information is made available concerning 5G and general telecommunications exposures.

Concerning 5G, the pioneer bands 700 MHz, 3500 MHz and 26 GHz were auctioned in 2019 and 2021. However, only the 700 MHz and 3,5 GHz bands are in use, and the public concern of 5G seems to have waned.

Information

The general assessment of SST remains that no health risks are anticipated if exposures are below reference levels, in line with the recent reports from the French Agency for Food, Environmental and Occupational Health & Safety (ANSES), the Health Council of the Netherlands and the Scientific Council of the Swedish Radiation Safety Authority (SSM).

SST has participated together with SDFI and other Nordic regulators in a workshop on 5G exposures. Measurements performed so far suggest that 5G exposures remain well below the public reference levels, although network traffic in the bands is also low. Based on available national and international surveys, it is still assumed that exposure levels will be below the reference levels when network traffic is increased in the future.

SST provides information related to exposures and health issues on the website www.sst.dk. A close collaboration with SDFI is still prioritized to ensure timely information on 5G and telecommunications exposures in general.

SST has occasional meetings with the Magnetic Fields Committee of Energinet, the owner of the Danish electricity transmission grid, regarding risk assessment when planning new high-voltage cable installations.

Anders Ravensborg Beierholm

Special Advisor

anrb@sis.dk

Danish Health Authority

Radiation Protection

sis@sis.dk