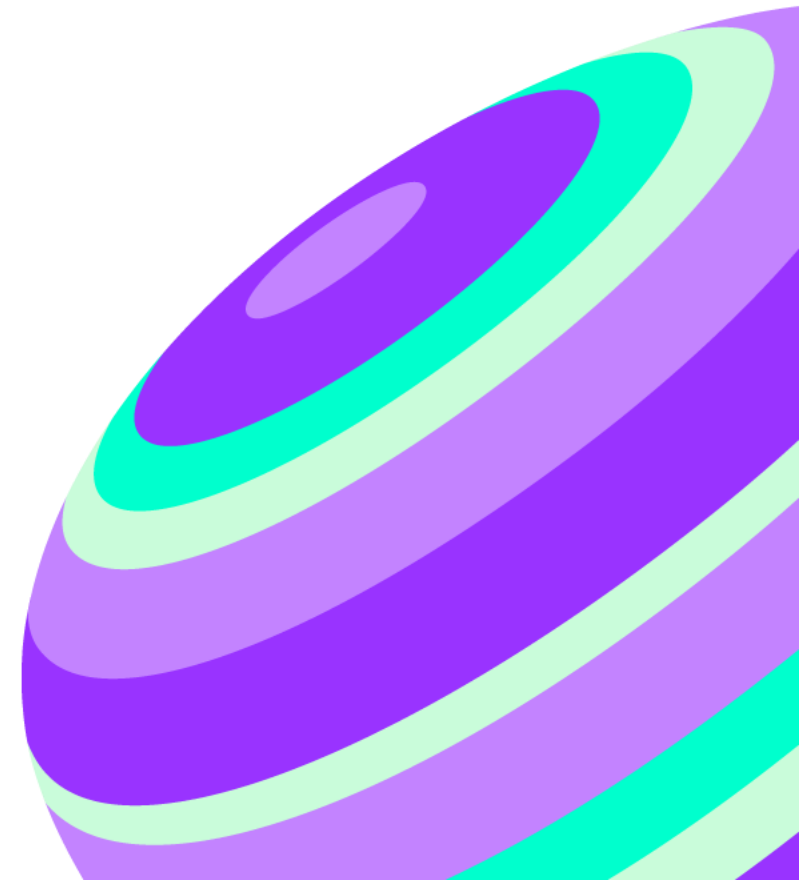




EMF LIMITS IN LITHUANIA

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GSMA EMF Forum
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EXISTING EMF LIMITS IN LITHUANIA WERE POSING SIGNIFICANT CHALLENGES FOR 5G ROLL-OUT

EMF exposure limits in the country previously only at 1% of the ICNIRP level

Level increased to 10% of the ICNIRP level in 2015

Level was already reached during 4G roll-out for many fully-equipped sites, especially in cities

Complicated and time-consuming EMF evaluation process for each site

The ultimate target was reached in spring 2020. Limits increased from 10% to 100% of ICNIRP



75% of single-operator sites could not have 5G added

90% of three-operator sites could not have 5G added

5G implementation only possible by reducing power 2-3 times

2-3 higher number of base stations would be needed

Increased workload for both authorities and operators

Lower speed, lower coverage, higher cost and higher CO2 emissions



ENGAGEMENT OF ALL RELEVANT STAKEHOLDERS MADE A DIFFERENCE TO BRING LEVELS IN LINE WITH ICNIRP



Political willingness to
examine the challenges



Joint responsibility of Health
and Communications
Ministries in the process



Input of public health and
oncology specialists from
universities and leading
hospitals



Technical input from radio
specialists from regulatory
authority and universities



International independent
knowledge base by ICNIRP /
SCENIHR / IARC



Collective engagement by the
industry in the process



DISCUSSION CONTINUES

- **Single site evaluation processes with measurements**
- **“Theoretical maximum power” vs. “Real power”**
- **Public concerns can increase at any time; continuous engagement is important**

