

5G: What does the new cellular standard mean for our health?



Is 5G a potential health hazard? Germany, is not only leading the way on the latest research, but also the best Protective Technology.

Dr. Lori Puskar is a U.S. Technology Resource and EMF Product Distributor.

Learn all you need to know below and please contact Dr. Lori with any questions. [View Catalog.](#)

While activists across Germany are preparing to resist, the mobile phone industry and technology fans dismiss it as " *conspiracy theories* " and " *scaremongering* ". This is despite the fact that there is already an overwhelming number of studies that confirm the damage to health caused by electromagnetic radiation, such as those used by mobile phones or WLAN.

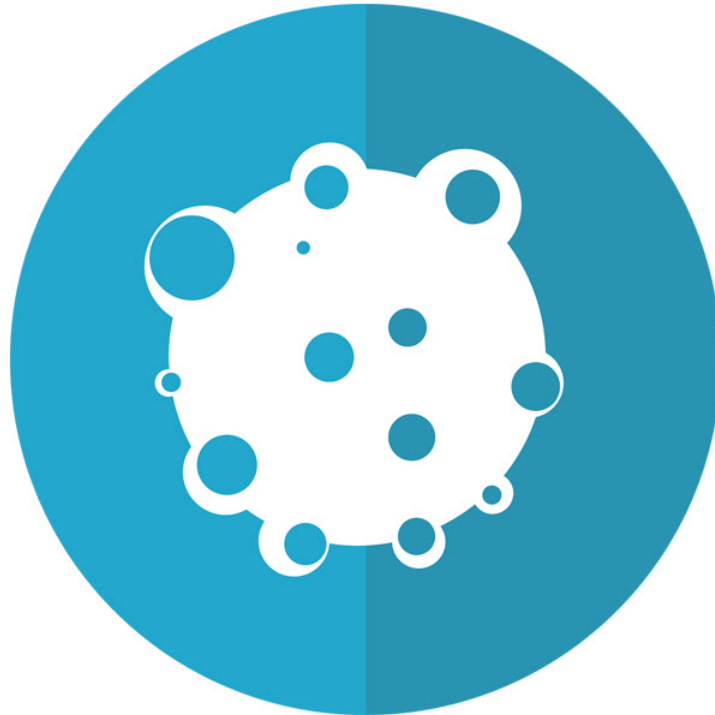
Is there evidence of health damage from high-frequency electromagnetic radiation?

The new 5G mobile radio standard is increasingly polarizing. While Vodafone and Telekom rave about the superfast Internet, more and more scientists and activists are warning of the dangers to our health, but also to the environment and animals. This easily gives the impression that the radiation from mobile telephony

only becomes problematic when the new standard is introduced. That alone is wrong - there are already countless studies on the health damage caused by electromagnetic radiation from mobile radio or WLAN.

The dangers of high-frequency electromagnetic radiation (EMF), which use cellular and WLAN, are well documented. As already described in the [first part of](#) our blog series on 5G, the World Health Organization classified electromagnetic radiation as "presumably carcinogenic" (class 2B) in 2011. In addition, there is now a really overwhelming number of studies that indicate a high damage potential. Here are three published results:

Influence of cellular radiation on cancer development



mccurryjulie on pixabay

In 2018, two long-term studies were published that examined the effects of cellular radiation on rats and mice: the study by the Italian **Ramazzini Institute** and the **NTP study** by the US Department of Health and Human Services. Both showed a significant increase in malignant tumors, as well as damage in the DNA strands and an increase in brain tumors in irradiated animals.

Smartphone and tablets damage fertility:



BRUNA BRUNA on pixabay

In 2016, the environmental and consumer protection organization [diagnose: funk published](#) a report in which 130 studies from 13 countries were evaluated. The result: pulsed microwave radiation endangers male sperm and the healthy development of the embryo

Effects of WLAN radiation on cells, fertility, brain and behavior:



The magazine **Environment. Medicine**. In its 01/2018 edition, **Gesellschaft** published a [special](#) supplement entitled "Biological and pathological effects of 2.45 GHz radiation on cells, fertility, the brain and behavior". In it, the biologist Isabel Wilke analyzed more than 100 scientific studies on the

effects of non-ionizing radiation in the microwave frequency 2.45 GHz. The focus was on the effect of WLAN radiation on living organisms. All of these studies, previously published in recognized journals, documented:

- Fertility damage (in men and women)
- Effects on the EEG and brain functions
- Effects on DNA and cancer development
- Effects on heart, liver, thyroid, gene expression, cell cycle, cell membrane, bacteria and plants
- Oxidative cell stress as a mechanism of action
- Negative effects on learning, memory, attention and behavior

In conclusion, the biologist speaks plain text:

"The damage potential of WLAN, even with low radiation levels, can no longer be questioned or relativized, not even by the studies that have had no effect."

She appeals to decision-makers in politics, as well as the school and health authorities, to deal with the study situation and not "to be fooled by the arguments of the industrial lobby or text modules from government institutions". She considers it particularly important to carry out further studies on effects on the brain and on young people.

"The application that is recognized in all European countries of the precautionary principle, allows only one conclusion: The human body must not be subjected to body-and permanently-Fi" ,

Wilke continued.

And what was the reaction to this explosive article? The Federal Office for Radiation Protection (BfS) accused the author of unscientific procedures and a "systematic selection of studies that show health-related effects" after the supplement was published. The BfS press spokesman said that after evaluating all the studies, no frequency-specific dangerousness of WLAN could be identified.

However, when [Diagnosis: Funk](#) hooked up and asked for a corresponding review for the evaluation of all studies on the [EMF portal by](#) the BfS, the press spokesman admitted that such a review did not exist. Conversely, this means that there is no comprehensive assessment of the studies on the dangerousness of WLAN by the BfS. That alone should make you think.

But don't the limits for cell phone radiation protect us from damage to health?



schwarzweisz on pixabay

To answer this question, you first have to take a look at how the cell phone limit values come about: The "Ordinance on Electromagnetic Fields" in the Federal Immission Control Act ([26th BImSchV](#)) serves as the basis . This in turn is based on the recommendation of the " **International Commission for Protection against Non-ionizing Radiation** " ([ICNIRP](#)) and the Radiation Protection Commission (SSK). The ICNIRP is a private association that basically consists of only 13 scientists.

Over 20 years ago, ICNIRP put forward the thesis that electromagnetic radiation is only dangerous if it heats our tissue by an additional degree. On the other hand, all studies that indicate damage to health at the cellular level have simply been ignored for 20 years. In order to understand the influence, because the ICNIRP has to understand, it must be known that, for example, in the EU the "Scientific Committee on New Health Risks" examines the current state of science. When the committee was due to assess the dangers of high-frequency electromagnetic radiation in 2015, four ICNIRP members were on the twelve-member committee. The result of the investigation: No new findings.

The whole thing becomes interesting when you compare the limit values in different countries: For example, the **German limit value** for high frequency is **10 million microwatts / m²** - in **Monaco** , on the other hand, it is **1 microwatts / m²** ! By the way: Our cells already react negatively to radiation exposure at 0.0027 microwatts / m² ! Sarah Drießen, head of the EMF portal, also regards skin warming as the sole criterion for the limit values. In a [Zeit article](#) , she speaks of a number of studies that certainly give indications that cellular frequencies cause tumors: "*Oxidative stress and free radicals that damage the genome are being discussed as a possible mechanism of action.*"

The cell biologist Professor Dr. also knew that the biological effect on the cell is crucial. rer. nat. [Evidence of Peter C. Dartsch](#) . For one study, he conducted a series of experiments in which cultured cells were exposed to radiation from DECT and cell phones for 24 hours. The result: Within 24 hours, there was a significant loss of cell vitality under the influence of high-frequency radiation. This means that some of the cells have perished in time.

Is 5G more dangerous than previous cellular networks?



Gerd Altmann on pixabay

The journalist Klaus Scheidsteiger interviewed the British military expert for technology with microwaves Barrie Trower for his film "[Facts Check](#)". Trower has long served British military intelligence. He clarifies that the 5G waveform is similar to the [Active Denial System](#) (ADS) military radiation weapon - used to control large crowds. ADS is an electromagnetic cannon designed to incapacitate attackers with 95 gigahertz microwaves. It causes a pain stimulus, which is comparable to heating the human skin to 55 degrees Celsius.

The microwave expert is certain that full coverage with 5G will most likely have many biological effects on living beings. There are approximately 4,500 biological mechanisms in the human body that react to electromagnetic radiation. Trower's horror vision: after three generations, only one in eight newborn babies could be healthy. Five generations are enough to extinguish entire species. Bacteria could mutate into even more dangerous pathogens through 5G radiation.

Other recent studies on microwave radiation and 5G are also cause for concern:

Tissue damage from millimeter waves:

Professor Dr. In a [new paper](#) , Niels Kuster from the Department of Information Technology and Electrical Engineering at ETH Zurich, for example, warns of permanent tissue damage that can occur after a short exposure time of millimeter waves.

Increase in diseases:

In 2018, Dr. Agostino Di Ciaula, Chairman of the Scientific Advisory Board of the Italian Association of Environmental Physicians ISDE Italia, published an article in [Science Direct](#) . In it, he deals with the question of whether 5G will bring health problems and, above all, complains that the area of high-frequency microwave radiation is still not sufficiently researched. His conclusion: Underestimating the topic could result in an increase in illness.

Damage from 5G frequencies:

Betzalel et al. conducted experiments on volunteers in 2018 and published the results in [Science Direct](#). These showed that the millimeter waves of the 5G frequencies in the skin penetrate the skin via the spiral structures of the channels of the sweat glands. This means that the welding channels act as antennas. Such news makes 5G even more worrying for people.

What does the new 5G network do to people?



The fact is: the possible health risks that can arise from 5G have not been researched. But the fact is also that there are already enough studies to prove that there is harm to health caused by electromagnetic radiation. The damage that comes with the new mobile radio standard cannot even be estimated at

present. With 5G, the total load will increase significantly: higher frequencies have shorter ranges, which means that significantly more base stations and antennas are required. Die Zeit describes the following scenario in an article: *"The shoe box-sized systems could be installed on bus stops, on advertising columns and lamp poles."*

What this means is clear: A permanent exposure (24 hours / 7 days) due to the new mobile radio frequencies, which we cannot avoid. And, according to the time, the Federal Office for Radiation Protection only wants to carry out measurements for reliable figures when the 5G network goes into operation. So only when possible damage has already occurred. You don't even have to be very cynical to conclude that the new standard is nothing more than a large-scale experiment - with the population as laboratory mice.

Can 5G be prevented at all?

Many Companies have already switched on the first 5G locations in some major German cities, including Munich, Berlin and Hamburg. By 2025, Telekom plans to provide 99 percent of the population with the new mobile communications standard. The most important thing about 5G is therefore: Information. Raise awareness of your environment and talk to people about 5G, whether with family or friends, in a club, at work or local politicians in your community.

Dr. Lori Puskar has always been committed to the conscious use of modern technology: avoid where possible - you can find a [checklist](#) on our website for The Effective Measures to avoid electrosmog - and protect yourself from the remaining stress with EMF protection from Dr. Lori Puskar. Her Product technology takes into account all frequency spectra that carry unnatural information. Since 5G is highly against nature, there is a resonance with EMF technology. This results in significant and effective protection for biological organisms, including the 5G frequency range.

With the [EMFizer COMBI Central](#) or [EMFizer COMBI Plug](#) and the [EMFizer WLAN](#) you can harmonize your home.

With the [EMFizer MOBILE](#) your smartphone and our [EMFizer BODY](#) wristbands are great companions on the go.

Would you like an Assessment of the needs of your direct living and working environment?

Do you know which sources of interference affect your direct living or working environment?

After our thorough needs analysis, you can objectively assess the relationships between electrosmog, radiation exposure, air and water quality in relation to the protection of your well-being - and act accordingly.

SCHEDULE ASSESSMENT

List of sources: Read more about 5G in our other articles:

>>> 5G: What can we expect from the new cellular standard?

>>> 5G: When should the new network come?

EMF.data: Cellular effect of a base station

EMF.data: Results from the National Toxicology Program of cancer studies by mobile phone radiation in Sprague Dawley® rats (whole body radiation)

diagnosis: radio: Smartphones and tablets damage fertility

EMF.data: Biological and pathological effects of 2.45 GHz radiation on cells, fertility, brain and behavior

diagnosis: radio: Federal Office for Radiation Protection does not correct incorrect information

EMF portal

Zeit.de: Mobile network 5G - A brilliant experiment

Forschungsinformationssysteme.de: Active Denial System

shop-diagnose-funk.org: The health effects of cell phone radiation . Fact check

insights.ovid.com: Systematic Derivation of Safety Limits for Time-Varying 5G Radiofrequency Exposure Based on Analytical Models and Thermal Dose

sciencedirect.com: Towards 5G communication systems: Are there health implications?

sciencedirect.com: The human skin as a sub-THz receiver - Does 5G pose a danger to it or not?

heise.de: Deutsche Telekom starts its 5G network

vodafone.de: The first 5G mobile phone network is here: From tomorrow on smartphones

