

## Interview with Anne Perrin, Biology PhD, Independent expert on electromagnetic fields risks

You hear everything and the contrary about the alleged health risks of 5G.

5G technology uses waves with frequencies similar to those of previous generations of mobile phone and WiFi technology, which penetrate a few cm into materials. Eventually it will also use higher frequency radio waves, which do not penetrate beyond the skin.

At high levels of exposure, these radio frequencies can heat substances by causing vibrations in molecules like water.

This well-known effect can constitute a health risk when biological tissue is heated.

In order to protect public health, regulatory exposure limits with significant safety margins have been set.

Those limits keep exposure well under the levels at which health effects can occur, so we can safely use devices like mobiles, baby monitors, or internet routers.

They also guarantee the safety of people who live near antennas.

These levels are proposed by the International Commission on Non-Ionizing Radiation Protection, which serves as a reference for the World Health Organization.

It is important to note that hundreds of scientific studies have been done over more than three decades to look for any effects of low-level exposure to radio waves, caused by something other than heating.

In science, it takes several studies that reach the same conclusion to prove an effect. All those results are analysed in detail by public health agencies worldwide.

Despite all that research, the waves used by wireless technologies have never been shown to create health risks at the exposure levels allowed by the regulations.

That is also true of 5G frequencies.