

# What is this hype about 5G? Is it really bad for humans?

[short cut here.](#)

**5G i.e.** “Fifth Generation” technology will be **much faster than 4G** and will be **ten times faster** than the current 4G with extremely fast speed of 1 Terabit per second whereas 4G only provides 100 Megabit per second.

- It will always stay connected wherever you travel including high-speed trains or planes.
- Ultra-low latency of 1 millisecond and this will allow innovations like self-driving cars will be possible and ensures traffic safety with brake command.
- A huge number of connections per kilometer and it can go up to 100 billion connections with 5G whereas 4G provides 1000 connections.
- Energy efficiency is much higher than the devices handled with 4G.

An increasing number of wearable technologies will be connected to the network. Wearable devices will provide healthcare management; improve quality of life and efficiency of work.

## **HOWEVER**

Thousands of studies link low-level wireless radio frequency radiation exposures to a long list of adverse biological effects, including:

- DNA single and double strand breaks
- oxidative damage
- disruption of cell metabolism
- increased blood-brain barrier permeability
- melatonin reduction

- disruption to brain glucose metabolism
- generation of stress proteins

Let's not also forget that in 2011, the World Health Organization (WHO) classified radiofrequency radiation as a possible 2B carcinogen.

More recently, the \$25 million National Toxicology Program concluded that radio frequency radiation of the type currently used by cell phones could cause cancer.

But where does 5G fit into all this? Given that 5G is set to utilize frequencies above and below existing frequency bands, 5G sits in the middle of all this. But the tendency (it varies from country to country) is for 5G to utilize the higher frequency bands, which brings its particular concerns.

**But yeah, 5G is still in developing, we do hope all the best, so 5G could decrease the impact on human health.**