

# What is 5G – an introduction

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5G signifies “5th generation” wireless technology. It is said to provide faster and higher transmission capacity. It includes Internet of Things (IoT), driverless cars, and faster video streaming.

5G will massively increase the microwave and millimeter wave radiation in our environment. It will also use new frequencies that are not evaluated by experts independent from industry as to their safety.

5G will include the higher millimeter wave frequencies, previously used for crowd control for instance. The millimeter waves do not travel easily through buildings so **5G will require millions of new “small cell” antennas.**

The wireless telecom industry intend to outfit nearly lamp post or utility post around the countries with these wireless small cell antennas beaming hazardous radiation next to, or into our homes, schools, workplaces and everywhere, 24/7.

5G radiation will be sent from advanced antennas, so called phased arrays, that transmit the microwaves and/or millimeter waves in narrow bands, a technology originally developed for military purposes. This will massively increase the exposure to radiation in those beams, that will be nearly everywhere.

The massive increase of radiation is observed in a [scientific paper](#) published in 2017:

“Our results show that 5G downlink RF fields generate significantly higher power density (PD) and specific absorption rate (SAR) than a current cellular system.”... Thus, when a larger phased antenna is used or when a user moves closer to the AP, the PD value becomes **a major health concern** which inevitably requires more research about health effects of 5G before it is deployed successfully by strictly following the RF emission standards.”

A substantial and convincing amount of scientific studies show many adverse health effects and health hazards from radiofrequency/microwave radiation.

No evaluation of health effects nor of effects on the wildlife and the environment has been undertaken. There is no research showing safety neither from 5G alone, nor from the combined exposure to 5G + already existing radiation from GSM, 3G, WiFi, 4G etc.

This is why the 5G Appeal was launched.