

## 1 NO STUDIES TO PROVE 5G IS SAFE

Numerous concerns have been raised with the lack of any scientific research and data on the 5G technology's that uses millimeter wave (MMW) potential health risks.<sup>1</sup>

The FCC has thus far failed to adequately explain how it was determined 5G is safe, no research was done or is ongoing.<sup>2</sup>

## 2 SCIENTISTS WARN OF POTENTIAL SERIOUS HEALTH EFFECTS

Study finds that 5G will generate "significantly higher power density (PD) and specific absorption rate (SAR) than a current cellular system".<sup>3</sup> The World Health Organization (WHO) classified radio frequency radiation as a possible 2B carcinogen. Scientists from different countries appealed to the UN and WHO to warn the world population about the harm to health caused by radiofrequency radiation from wireless devices.<sup>4</sup>

## 3 CELL TOWERS TO BE BUILT IN FRONT OF HOMES

5G will require the buildout of millions of new wireless antennas in neighborhoods, cities and towns.<sup>5</sup> A cellular small cell or other transmitter will be placed every 2-10 homes. US state and federal governments are moving forth regulations which would make the right of way in front of homes as available sites for 5G transmitters – without consent of the property owners. Studies from the University of Kentucky found that home values will diminish by an average of 7.5% if they are within 4500 ft of any newly constructed cell tower.

## 4 5G WOULD IRRADIATE EVERYONE

5G would irradiate everyone, including the most vulnerable to harm from radiofrequency radiation: pregnant women, unborn children, young children, teenagers, men of reproductive age, the elderly, the disabled, and the chronically ill since no easily accessible shielding is available.

## 5 PUBLIC HEALTH IS PUT AT RISK

The most detailed and comprehensive analyses of international biomedical research show a broad variety of adverse health effects from exposure to radiofrequency radiation. The BioInitiative Report, a 1479-page review of 1800 biomedical research publications was prepared by 29 experts from 10 countries, concludes that "The continued rollout of wireless technologies and devices puts global public health at risk from unrestricted wireless commerce unless new, and far lower exposure limits and strong precautionary warnings for their use are implemented." (BioInitiative.org)

## 6 5G CAN LEAD TO MAJOR ECOLOGICAL DISASTERS

Thorough penetration of 5G radiation will be mostly absorbed in the outer 1-2 mm of the body having especially strong impact on organisms with much higher surface to volume ratios. Many organisms will be severely impacted, including insects and other arthropods, birds, small mammals and amphibia. MMW is particularly susceptible to being absorbed by plants and rain, which also leads to questions about the safety of food that is irradiated.<sup>7</sup>

1 <https://takebackyourpower.net/senate-hearing-wireless-industry-confesses-no-studies-showing-5g-safety/>  
 2 <https://www.globalresearch.ca/video-wireless-industry-confesses-no-studies-show-5g-is-safe/5668687>  
 3 <https://arxiv.org/pdf/1711.03683.pdf>  
 4 <https://www.emfscientist.org/index.php/emf-scientist-appeal>  
 5 <https://ehtrust.org/key-issues/cell-phoneswireless/5g-internet-everything/>  
 6 <https://ehtrust.org/key-issues/cell-phoneswireless/5g-networks-iot-scientific-overview-human-health-risks/>  
 7 <http://www.ijsrpub.com/uploads/papers/IJSRES/IJSRES-Sep2013/IJSRES-13-54.pdf>

