

## Questions and Answers About Wireless Radiation:



### Q. What exactly is wireless radiation?

A. Wireless radiation, also known as “radio-frequency radiation” (“RFR”) or “microwave radiation” is part of the vast energy spectrum that contains radio waves at one end and x-rays on the other. This type of radiation is emitted from wireless devices such as cell phones, routers, tablets and laptops (when they are using WiFi to connect to the internet), as well as from high-powered cellular antennas.

### Q. What evidence do we have of negative effects from exposure to wireless radiation?

A. For many years, scientists believed that the only possible result of exposure to wireless radiation was heat. In fact, the standard used by the government to set allowable limits of exposure is still based only on thermal effects. So when wireless companies say their equipment is completely safe and meets government standards, they are talking only about thermal effects. There are now thousands of independent, peer-reviewed scientific studies from around the world showing adverse **biological** effects from exposure to wireless radiation, even at levels considered “safe” by the U.S. government. These include neurological damage in lab animals exposed during pregnancy, DNA strand-breaks, impacts on fertility, increased risk of brain and parotid gland tumors, and interference with implanted medical devices. Other effects include headaches, chronic fatigue, sleep disorder, depression, anxiety, nose bleeds, nausea, dizziness, memory difficulties, attention difficulties, cardiovascular, cancers and more. Children are more at risk because of their thinner skulls and developing brains.

### Q. Aren't we already exposed to lots of wireless radiation in our lives?

A. Yes, we are. But you should have the right to control the amount of radiation in your own personal space. You can turn off your cell phone, or choose fiber-optics to connect to the internet, but once wireless antennas are mounted near your home, you'll be involuntarily exposed all day, every day. Studies have shown that the impact of this type of radiation is cumulative, meaning that constant, long-term exposure increases your risk.

### Q. What do the wireless companies NOT tell you about their antennas?

A. Wireless companies are reluctant to admit that their claims of “safety” are based on old science, or that the government standards set for exposure were established back in 1996. They usually won't admit that their equipment is not necessary right now, but will allow them to make more money by offering more services to more people in the future. This is not about bringing broadband to underserved communities, or improving communications for first responders. This is about making more money for wireless companies by facilitating the Internet of Things (IoT), driverless cars and streaming videos.

**You can turn off your cell phone. You cannot turn off a cell tower.**

#### References:

[www.grassrootsinfo.org/emergingscience.php](http://www.grassrootsinfo.org/emergingscience.php)  
[www.saferemr.com/2016/06/index.html](http://www.saferemr.com/2016/06/index.html)