

# Public Waking Up to Fact That 5G Has Not Been Proven Safe for Human Health

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While telecom companies are moving full speed ahead to put up millions of small cell towers for their new 5G (fifth generation) cellular communication system in the United States, the public is waking up to the fact that 5G has not been proven safe for human health.

The health concerns actually go far beyond the 5G cell towers that are being placed approximately every 500 feet on the streets of America's urban areas. It has now been revealed that 20,000 satellites will be soon put into orbit around the Earth to broadcast 5G microwave radiation over every square foot of ground on our planet.

As has been discussed in my previous articles about the 5G cellular microwave communication system, it will be much faster than the current 3G and 4G systems. However, it will use a much higher frequency range in the electromagnetic energy spectrum. These frequencies in the gigahertz spectrum have not been used for public communication. And these millimeter frequencies have not been tested for safety.

## **5G Phased Array Antennas will Shoot Beams of Radiation at People and Equipment**

The 5G communication system will use phased array antennas, which will shoot beams of microwaves at 5G phones and other

equipment containing 5G capabilities such as new computers, automobiles, and Wi-Fi hubs.

The beams of microwave radiation will follow a person who is holding a 5G phone or who is moving with one of these phones on his or her body. These beams of radiation have to be strong enough to penetrate walls and human flesh such as hands and heads, because you won't know the direction from which the microwave beam is coming.

The beams of non-ionizing microwave radiation used by this technology also have to be strong enough to pass through the bodies of other people who might happen to walk between a person using a phone and the tower that is beaming the microwave signal at them.

5G smartphones will broadcast and receive microwave signals that are 10 times stronger than the current 4G smartphones. Wi-Fi systems using 5G will use microwave signals that are 150 times stronger than a 4G phone. [8]

### **Don't Worry – the FCC Says it's Safe**

Despite the lack of testing to prove that 5G is safe, telecom companies and the Federal Communications Commission (FCC) are in agreement that no one should worry about health effects of 5G.

Their advice to the American public is based on assumptions that were made in 1998.

But, the research at that time was questionable because it only examined health concerns related to the heating effect of the microwave radiation.

### **Background on 5G and other Radio Frequency Health Risks**

This article will look at some of the newest information about microwave radiation risks and the concerns that are being raised by those who have been studying this form of non-

ionizing radiation.

For those who are new to this topic, you may wish to read some of my previous articles about health concerns related to radio frequency pollution to obtain background information about 5G and other wireless communication systems such as Wi-Fi.

[5G Technology is Coming – Linked to Cancer, Heart Disease, Diabetes, Alzheimer's, and Death](#)

[Cell Phone and Wi-Fi Exposure to the Eyes Causes Long-Term Damage](#)

[New 5G Cell Towers and Smart Meters to Increase Microwave Radiation – Invade Privacy](#)

[Smart Meters: Countdown to a National Crisis of Illness and Death](#)

[Will Driverless Cars Cause DNA Damage and Cancer?](#)

[How Big Technology Companies Control the Minds of the Masses through Smart Phone Addiction](#)

## **Radiation from 2G and 3G Cellular Systems is Associated with Cancer in Male Rats**

In a ten-year study of rats and mice conducted by the National Toxicology Project (NTP), government scientists in collaboration with non-government scientists concluded that there is “clear evidence” of an association between microwave radiation exposure from what is known as the second generation (2G) and third generation (3G) cell phone systems and the formation of cancer in the hearts of male rats. [1]

2G and 3G are still being used for cell phone voice calls and text messaging.

NTP scientists use a four level rating system for describing the degree of association between exposure and harm to health.

Their rating system indicates: clear evidence (highest association with harm), some evidence, equivocal evidence, and no evidence of association (lowest). [1]

Their November 2018 final report found that there was clear association between exposure to 2G and 3G microwave frequency radiation with the formation of cancer in rats. [1]

These government scientists won't say that radiation from 2G and 3G cellular technology "causes" cancer in rats or in humans.

To those of us on the outside of scientific laboratories, it sure looks like exposure causes cancer and numerous other serious illnesses. (See my previous articles for details.)

I base my conclusion on thousands of research articles that have been published over the last several decades and the conclusions reached by hundreds of physicians and scientists [2, 3], which clearly show serious risk to human beings when we are exposed to non-ionizing radiation from cellular systems.

When the NTP began their study 10 years ago, 5G did not exist. Thus, NTP scientists made it very clear in their report published in November of 2018 that their findings say nothing about the safety or risks of 5G or Wi-Fi systems.

So, here we are at the end of 2018 with 5G radio frequency radiation systems being installed in many cities across America, and no one has studied the safety of this new technology.

If there is clear evidence that microwave radiation exposure from 2G and 3G is associated with rat cancer, then this should be a bright red flag that should alert us to the potential risk from the newest 5G cellular system.

I must wonder if we will have to wait ten more years while

government scientists study 5G and Wi-Fi before they conclude that there is clear evidence of risk from these systems. Based on the potential of microwave radiation in 2G and 3G systems to cause harm, there is no reason to assume that the millimeter microwave radiation used in 5G will be safe.

It is not a farfetched assumption, based on the lack of 5G research, to conclude that there will be an even higher level of health risks associated with the close proximity to the new 5G small cell tower and phased array antennas. Evidence is mounting that 5G will be very dangerous for adults and especially for children.

FCC regulators are ignoring the precautionary principle and are doing nothing to slowdown the implementation of 5G while they study the safety of this system.

As it stands right now, telecom companies are running full speed ahead to install their 5G system even though the health risks of that system have not been studied.

How many millions of people will be sickened, and how many will die before the 5G system is studied? The system could be fully implemented in many urban areas before the studies even get off the ground.

### **Pediatricians are Concerned about Childhood Exposure to Wireless Radiation**

The American Academy of Pediatricians (AAP) has added its collective voice to those who have been advocating for research into cell phone safety. The AAP contacted the Federal Communication Commission (FCC) in 2012 to ask that they reopen their study of cell phone safety. Since then, they have been warning of potential harm to children. [4]

The American Academy of Pediatrics, the largest US medical association of pediatricians and pediatric specialists, recommends that the US government tighten wireless exposure

limits and that the public reduce children's exposure to cell phones and other devices that emit wireless radiation. [4]

The AAP reminds parents:

*Children are not just little adults; their growing minds and bodies make them uniquely vulnerable to the effects of the environment around them, including cell phone radiation.*

*Because technology is being adopted by children at younger ages than ever before, it's even more important to investigate if cell phone usage is a health hazard. [5]*

The AAP notes that the FCC has not revised the standard for cell phone radiation since 1996. They are concerned that the FCC "safety levels" were based on large adult bodies and did not consider the effects on children. The AAP indicates that children's skulls are thinner and can absorb more radiation. [5]

These physicians are encouraging parents to limit cell phone use for children and teenagers. They point out that cell phones are not toys, and are not recommended for infants and toddlers to play with. They recommend that parents limit children's screen time and limit their exposure to cell phones and other devices that emit radiation and electromagnetic fields (EMF). [5]

### **Members of Congress Question the FCC about 5G Safety**

U.S. Senator Richard Blumenthal from Connecticut and House Representative Anna Eshoo from California sent a letter to Brendan Carr at the FCC. They are asking the FCC to prove that 5G is safe.

An article published in the CT Mirror stated:

*Senator Richard Blumenthal is leading a campaign to determine whether new "5G" wireless technology is safe and is asking*

*the federal government for proof the cutting edge radio frequency does not pose health risks – including cancer.*

*Senator Blumenthal said the new technology “offers the tremendous promise of higher speeds and reliability. – But there is also a peril of health hazards associated with radio frequency that is higher and requires more transmitters and antennas,” he said.*

*In his letter to Carr, the senator said “most of our current regulations regarding radio frequency safety were adopted in 1996 and have not yet been updated for next generation equipment and devices.” [6]*

This kind of intervention is crucial, because the FCC is clearly under the control of telecom companies, and the FCC does the bidding of corporate interests. Only Congressional action at this point can turn the FCC around.

## **5G from Space**

5G technology and space exploration companies are also moving forward with the creation of a system of satellites that will use phased array antennas and millimeter microwave frequencies to communicate with 5G equipment on the ground. They intend to launch 20,000 satellites over the next few years.

Their systems are not specifically called 5G, but they will contain all the components of 5G and operate in the same way as ground-based 5G.

The satellite system will provide telecommunication coverage over every square foot of the Earth. There will be nowhere to hide from being exposed to this form of microwave radiation.

## **What Happened when the First Satellite Phone System was Turned-on?**

At present, there are satellite-based cell phone providers who

use current generation cellular systems to serve their customers. On the day that the first of these satellite systems was activated, there were thousands of people who had physical reactions to the sudden increase in microwave activity in their environment.

Arthur Firstenberg, a researcher, writer, and advocate for protecting people from exposure to wireless communication signals described what happened when the first space-based cellular system was turned on. He stated:

*On September 23, 1998, 66 satellites, launched into low orbit by the Iridium Corporation, commenced broadcasting to the first ever satellite telephones.*

*Those phones would work equally as well in mid-ocean, and in Antarctica, as in the middle of Los Angeles—a remarkable achievement.*

*But telephone interviews revealed that on that day exactly, electrically sensitive people all over the world experienced stabbing pains in their chest, knife-like sensations in their head, nosebleeds, asthma attacks, and other signs of severe electrical illness. Many did not think they were going to make it.*

*Statistics published by the Centers for Disease Control reveal that the national death rate rose 4 to 5 percent during the following two weeks.*

*Thousands of homing pigeons lost their way during those two weeks, all over the United States. [7]*

### **What should we expect when the 5G Ground and 5G Satellite Systems are Turned-On?**

Well – no one knows. This is another grand experiment on humanity to see what will happen.



Mega-size telecommunication companies have taken control over the FCC, which is supposed to protect the public from harm.

As a result, the FCC will do nothing to insure that 5G is safe. In addition, the FCC has established regulations that prevent people from trying to slow-down or stop the implementation of 5G at the local or state level.

It will take action by congress to demand that research be done to prove that 5G is safe. Given the thousands of studies that have already been done on other type of radio frequency hazards, it is very doubtful that any well designed scientific study could show that 5G will be harmless to adults or to children, so we shouldn't expect to see the results of 5G safety studies for many years to come, unless there is a strong outpouring of public and congressional pressure on the FCC.

Please contact your representatives in Congress and ask them to demand that research be done on 5G safety before there can be any further implementation of 5G systems in the United States.

### **Conclusion – Thinking about the Future**

Please give serious thought to not getting on the 5G bandwagon. There will be massive advertising campaigns in the months and years to come, designed to get everyone to switch over to 5G phones. You don't have to bite the bait. 4G smartphones and 3G phones for voice and texting are adequate for everyday use.

We don't need 5G technology to live happy and productive lives!

You might even consider whether this is a good time to just turn off your cellular service and live a less hectic life. You could join the small minority of people who are minimizing their microwave exposure by simply living without a cell phone

of any type.

It is important to consider that the demand for better cellular service is not coming from consumers, but from mega-corporations who are trying to create a market for a new set of products.

It's not really about better service, but about greater profitability for corporations who don't mind killing off people with microwave radiation in order to turn greater profits.

It is also about creating a system that will enable central control over every aspect of human life.

5G is not a vision of something better, but an omen of something much worse.