

5G Radiation Exposure Assessment For Hastings Residents
March 11, 2024

“And God shaped the man, taking scooped soil from the land.” (Genesis 2:7).

“All of you, *be at ease* and learn that I am God. I will be raised up high in the nations. I will be raised up high among the earth.” (Psalm 46:10).

The heart and brain emit cooperative electric fields¹, and humans need certain natural electromagnetic energy frequencies to live. The earth’s natural electromagnetic frequency ^a (EMF) pulsates at 7.8 Hertz (Hz) in harmonious resonance with the interior-layer relaxing ~7.83 Hz alpha waves of the human brain^{2, 3, 4}. Conductive contact with the earth, called “grounding,” is therefore relaxing and facilitates healing⁵. The majority of energy that reaches the ground from the sun is near-infrared, 120 to 400 terahertz (THz)⁶, which triggers the production of melatonin, the main antioxidant used by the immune system⁷. Therefore, illness is less common during sunnier months. We need visible light, 400 to 790 THz, 750 to 380 nanometers (nm) in wavelength^b, to see.

However, ionizing frequencies above visible light, such as ultraviolet and x-ray, and the non-ionizing radio frequency (RF) wavelengths below infrared 300 gigahertz (GHz) which are mechanically produced by wireless systems that interfere with the natural biomes, have been shown to cause cumulative permanent harm to humans, animals, sea creatures, plants, and microbes^{c, 8}.

There is also a correlation between the experimentation of new radio frequency technologies and major viral influenza epidemics and pandemics⁹. The 1889-1890 worldwide influenza pandemic that killed 1 million people occurred around the same time that scientists in the US, Britain, and Russia began working on wireless telegraph systems¹⁰. “Radio was developed for its military applications in the pre-World War I years, and the U.S. Navy¹¹ held the patents.” Public exposure to AM broadcasting dramatically increased worldwide between 1912 and 1920, and the U.S. Navy and military had several civilian broadcasts shut down due to interference complaints¹², because the wireless technology was being used for communications between ships, airplanes, and military bases through the end of World War I. One such base was Camp Funston in Riley County, Kansas. A photograph taken by Sergeant Hitz on April 4, 1920 shows Camp Funston’s radio station S.C. 54 communicating with an aeroplane¹³. “In February 1918 people in [Haskell] county became ill. [...] Men who lived in the county were called to duty at Camp Funston [...] Days later, on March 4, 1918, the first soldier reported ill with influenza. Within two weeks 1,110 soldiers were admitted to the hospital. The disease began to spread worldwide, becoming a pandemic [...] killing between 50 and 100 million people¹⁴.” That became known as the Spanish flu, which also had cases recorded in France, Germany, and the UK in April 1918¹⁵. Nearly a third of the world population became ill. Microwave radio relays began being greatly used between 1951 and 1955 for long-distance telephone and television broadcasting¹⁶. In 1957, a worldwide influenza pandemic killed 1 to 4

^a The Schumann Resonance, discovered by Tesla in 1899 and Schumann in 1953.

^b Wavelength is measured in meters. Frequency is measured in Hertz. Smaller wavelengths result in higher frequencies.

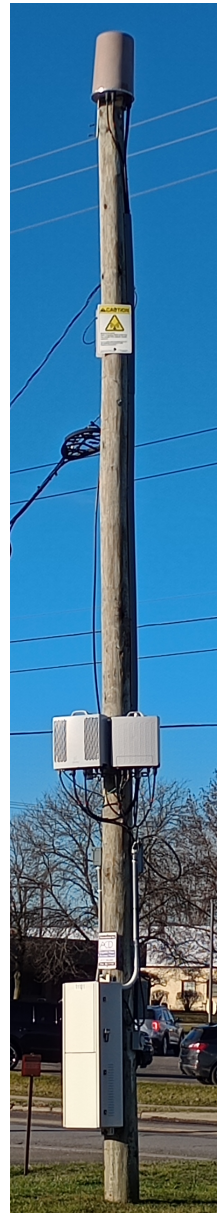
^c RF radiation like 5G makes pathogens resistant to antibiotics, damages the brain, heart, eyes, testes, skin, peripheral nervous system, sweat glands, DNA integrity, cellular membranes, gene expression, protein synthesis, neuronal function, the blood-brain barrier, melatonin production, sperm, and immune function, and causes irreversible infertility, brain cancer, thyroid cancer, tumors, non-thermal induction of reactive oxygen species, carcinogenicity, headaches, insomnia, cognitive fog, learning/memory deficits, neurological disorders, fatigue, tinnitus, vision problems, heart issues like cardiomyopathy, panic attacks, flu-like symptoms, (at least worsening of) COVID-19⁸, muscle and nervous system problems, oxidative stress, premature aging, organ failure, and death. 5G radiation sickness causes weakness and difficulty thinking. Foreseeable plans have increased use, exposure, and frequencies. Acute symptoms are anticipated for SPARS 2025.

million people. 5G is fifth-generation wireless radio frequency technology “that will use high frequency bands and extensive bandwidths of the electromagnetic spectrum in the vast radiofrequency range from 600 MHz to nearly 100 GHz, which includes millimeter waves (>20 GHz), in addition to the currently used third generation (3G) and fourth generation (4G) long-term evolution (LTE) microwave bands,” which vary by company and country. 5G became an operational system on October 31, 2019 in Wuhan, China, one month before COVID-19 began there in December 2019. Other locations where 5G had been recently implemented, such as South Korea, Northern Italy, New York City, Seattle, and Southern California, then also had outbreaks of COVID-19. “In May 2020, Mordachev reported a statistically significant correlation between the intensity of radiofrequency radiation and the mortality from SARS-CoV-2 in 31 countries throughout the world. During the first pandemic wave in the United States, COVID-19 attributed cases and deaths were statistically higher in states and major cities with 5G infrastructure as compared with states and cities that did not yet have this technology.⁸” The COVID-19 situation has killed a currently-estimated 7 to 35 million people worldwide.

When in Hastings, a person is exposed to 5G radiation. The following are measurements of 5G frequencies below 8 GHz observed using an RF meter^{d,e}. Peak intensities occur sporadically with usage activity. On average, the minimum ambient reading within Hastings city was 0.4 V/m and 20 $\mu\text{W}/\text{m}^2$, and the inner city area had over 250 $\mu\text{W}/\text{m}^2$. The small cell towers outside the central elementary and middle schools, Corewell Health Pennock hospital, at the intersection of Industrial Park and West Apple, and at the intersection of North Jefferson and Apple, gave readings of over 6 V/m, and 9,000 to 50,000 $\mu\text{W}/\text{m}^2$. Outside the high school, there were readings of 6 V/m and 22,800 $\mu\text{W}/\text{m}^2$. The macro cell antennae encircling the hilltop water tower gave 3.5 V/m and 1,700 to 6,000 $\mu\text{W}/\text{m}^2$ at ground level. Hallways within the hospital have enterprise-solution femtocells¹⁷ as data link emitters¹⁸, which gave 15,000 $\mu\text{W}/\text{m}^2$ within 3 feet. Readings at City Hall were 3 V/m and 2,500 $\mu\text{W}/\text{m}^2$. Readings were negligible at the Department of Health and Human Services.^f



Power densities from 0.000168 - 0.001053 milliwatts/cm², equivalent to 0.00168 - 0.01053 $\mu\text{W}/\text{m}^2$, caused irreversible infertility in mice⁸. The readings in Hastings were vastly more powerful than this. Symptoms and readings were strongest within 50 feet of small cell towers. **People should remain at least one city block away from each small cell tower to avoid immediate and permanent brain damage and reproductive system damage. One minute of exposure within 40 feet of a small cell tower in Hastings caused significant memory loss, nausea, and cognitive impairment within 24 hours.**¹⁹ **Do not become a vegetable.**



The FCC and others say that allowed 5G radiation is perfectly safe, but social media is flooded with videos of extreme health problems, and birds, wildlife, bees, and trees dead from 5G radiation^{20, 21, 31}. The higher frequencies already used in Europe seem to cause damage more quickly. Hundreds of scientists declared

^d EMFields Acoustimeter Model AM-10, 200 MHz – 8 GHz frequency response.

^e V/m = peak Volts per meter. $\mu\text{W}/\text{m}^2$ = average microWatts per square meter.

^f 5G **small cell** towers (depicted above) are combined at street level, and in Hastings look like a telephone pole capped with an omnidirectional gray cylinder antenna, with black wires to two gray radio boxes, and a yellow caution sign far above for utility workers within 3 feet of the antenna. **Macro cells** are attached to even higher locations, and are directional gray panel antennas. The 5G indoor **femtocell** emitters that are used in hospitals are tapered, rounded, beige protrusions hanging from hallway ceilings.

an alert to the United Nations to cease and desist the use of 5G technology, but the scientists say that governments are ignoring them²². In his presentation in Bellingham, WA on July 11, 2019, Washington State University bioscientist Dr. Martin Pall said, “The properties of 5G predict that it will be vastly more dangerous than anything that we’ve ever been exposed to before²³.” “The International Society of Doctors for the Environment, its subsidiaries in 27 countries and more than 200 doctors and scientists are all calling for a stop to be put to the rollout of 5G, ‘due to concern that 5G radio frequency radiation will have adverse health effects,’” said Dr. Joel Moskowitz, a public health professor at the University of California²⁴. Studies since the 1960s, even by Russian and US militaries, prove that all such radiofrequency radiation harms humans, even far below FCC guidelines^{8, 25}. Red warning signs on 5G small cell towers in PA say that emissions can “exceed recommended FCC exposure limits,” but the FCC has not yet published its specific absorption rate (SAR) limits for >6 GHz localized exposure power density²⁶. Caution signs are placed near the antennae for utility workers within 3 feet, noting FCC’s 47 CFR 1.1307(b) regulation, based on invalidated FCC limitations in 47 CFR 1.1310²⁵.



Linden tree, July 2015
Well-developed tree crown in the city
No RF transmitter in the line of sight



Norway maple tree, August 2012
Badly damaged tree crown on the side
facing an RF transmitter

The body of scientific knowledge contains many studies that have linked radiofrequency exposure, such as from cellular phone use, to the development of tumors²⁷ and cancer²⁸. EMF-sensitive individuals are particularly prone to RF-induced feelings of pain and to suffering insomnia, panic attacks, and difficulty thinking, and are most likely to turn off their EMF devices and relocate to areas with less radiation. One may consider the sensitivity to cumulative harm as being potentially beneficial.

Awareness^{24, 29} is a good first step towards improving the safety of the living environment. Short of peacefully petitioning³⁰ our corrupt government representatives³¹ to limit 5G exposure to our residents, you can take steps right away to minimize the effects of cell phones and WiFi on your health by disabling their RF emissions when unneeded. Use a healthier, faster, and more stable wired connection instead of WiFi. Tests show that certain Apple devices, like smart watches and some iPhones, must be completely powered off to disable EMF emissions. Pressing the power button to darken the display does not suffice. Cell phones using the Android operating system should have Bluetooth, WiFi, and mobile data disabled, and should be put into airplane mode. You can disable Bluetooth in a vehicle, but it might not let you disable the built-in GPS location signals, which may occur a few times per minute. You can also test your microwave oven for unhealthy leakage. 5G radiation is somewhat blocked by thick glass and walls, but remaining at a greater distance from emitters is the best protection to start with because exposure distance follows inverse square law. You can test your electronic devices and living environments with a quality RF meter of a certain frequency range.



This document is intended to be a voice in the defense of helpless children and is published anonymously to protect privacy. Please listen to the scientists and God’s Holy Spirit of Truth.

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- ¹⁰ <https://www.elon.edu/u/imagining/time-capsule/150-years/back-1890-1930/>
- ¹¹ <https://www.microwavedvets.com/library>
- ¹² https://en.wikipedia.org/wiki/AM_broadcasting
- ¹³ Photograph available at [alamy.com](https://www.alamy.com).
- ¹⁴ <https://www.kshs.org/kansapedia/haskell-county-kansas/15257>
- ¹⁵ https://en.wikipedia.org/wiki/Spanish_flu
- ¹⁶ https://en.wikipedia.org/wiki/Microwave_transmission#Microwave_radio_relay; and https://en.wikipedia.org/wiki/Television_broadcaster
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- ¹⁹ Personal experience.
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- ²² emfscientist.org; isde.org/5G_appeal.pdf.
- ²³ “Dr Martin Pall on 5G technology”. Video, @3:39. <https://www.youtube.com/watch?v=rlfa4HMzK7A>
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- ²⁵ International Commission on the Biological Effects of Electromagnetic Fields (ICBE-EMF). (Oct. 18, 2022). Scientific evidence invalidates health assumptions underlying the FCC and ICNIRP exposure limit determinations for radiofrequency radiation: implications for 5G. *Environ Health*, 21, 92.
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