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Hello and thank you so very much for your time. I have a condition called electrosensitivity that I developed after living near several cell towers and it makes my life incredibly difficult. A very conservative estimate says about 3-5% of the world's population has this and it has been a recognized disability by the American Disabilities Act since 2002. Here is a study that goes over the biological markers of electro hypersensitivity and multiple chemical sensitivity: "We would like here to overview our original data and discuss the possibility that EHS is part of a true pathologic neurologic

disorder resulting from a comprehensive physiopathologic mechanism, in common with MCS. We conclude that EHS—whatever its causal origin—is becoming a worldwide plague. Thus, as we showed that it can be diagnosed, treated medically, and eventually prevented, we ask WHO to include EHS in the international classification of diseases"

[https://
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By planning to add in higher frequencies, above 100 GHz, to what is acceptable

in regard to pulsed and polarized non ionizing radiation, you are directly discriminating against me and others that have this disability, and you will be putting many others at risk of developing it and it is ruinous to your life.

Here is my story:

After moving into my partner's house in 2016, I stopped having my menstrual cycle at 30 years of age. My mother is wealthy and sent me to a top doctor who did comprehensive hormone panels and ran many other tests. The testing showed that I had the hormone levels of a woman in her late 60s. I was urged to take bioidentical hormones

because I was susceptible to developing breast cancer. I felt ill where I lived (nausea, headaches, dizziness, jaw pain, fatigue, facial numbness, forgetfulness, etc) but I didn't know what was causing it. As my symptoms escalated at the house, they escalated in my daily life also (I was becoming more sensitive). The last time I worked at Greenstar, my local co-op, in March 2019, I passed out and had to resign after working there and being on the board for several years. Simultaneously, I cofounded an outdoor preschool called Breathe in Trumansburg and noticed my symptoms would totally go away when I was there. I was thinking maybe

my symptoms were a result of something in the house. I went to look at a camper to buy. This came to be a critical moment of realization.

In April 2019, I went with my partner, who is an electrician for the state parks, to look at the camper and when I stepped into it I felt my symptoms acutely escalate and I began searching for what was causing them. Then, suddenly, they went away. I called out to tell my partner who was outside and he said, "I just unplugged it from the power source." For many rounds I would tell him when he plugged it in and unplugged based on my symptoms setting in and

then dissapaiting. That's when I realized it had to do with electromagnetic frequencies. I realized I had gotten sick not long after moving next to the cell towers. I bought a trifield 2 meter and measured the radiofrequency at my partner's house, which I couldn't be at for more than 10 minutes at a time at this point, without becoming pretty ill. The radio frequencies measured extremely high and I have now been able to make correlations every time I feel ill to high radio, electrical, or magnetic frequencies in my environment. I bought the camper and moved to a friends farm and have been living off grid since April

2019. My menstrual cycle returned within a month. And within 6 months my hormones went back up to normal levels and I don't have to take bioidentical hormones anymore. However I am not able to have much of a life anymore as I have become extremely sensitive to nnEMFs (non native electromagnetic frequencies). I have had to apply for disability and have lost things I didn't even know I could lose. It has been absolutely DEVASTATING. I have an elementary education degree, an early childhood education degree, am a certified wilderness skills instructor, children's yoga instructor, and am an

herbalist and had a very full life before my exposures led my world to shrink. So many more people are developing Electrosensitivity because of the pervasiveness of INADEQUATE safety standards regarding wireless technology. The standards are outdated and insufficient, only looking at short term and thermal effects of the technology. There are also thousands of documented scientific studies regarding the negative biological effects from pulsed and polarized non ionizing radiation (wireless radiation). I knew nothing about them before this happened to me and if it wasn't happening to me, I

would need to be shown a lot of proof of harm. Therefore, I am going to include some studies for you to look at down below. I am all about safe technology, and fiber optics and Ethernet are the way to go to keep people safe. We need to re-evaluate the safety of wireless technology, not push further gadgets and frequencies that have not been proven to be safe. PLEASE consider the safety of the people in your country over the profits to the telecommunication giants, I beg of you. Being exposed to radio frequencies from a smart phone or a cell tower will cause me to get a rash, become dizzy, nauseous,

and I will faint if I am not able to step away. I hope this doesn't happen to you or anyone you love.

There is a famous TED talk called Wireless Wake up Call by Jeromy Johnson who has a master's degree in Civil & Environmental Engineering from the South Dakota School of Mines & Technology and worked in the Silicon Valley financial industry for nearly two decades, and it discusses him becoming electrically sensitive: please watch: <https://m.youtube.com/watch?v=F0NEaPTu9oI>

Martin L. Pall, PhD,
Professor Emeritus of
Biochemistry and Basic

Medical Sciences

Washington State give a great overview of such biological effects.

"1. Attack our nervous systems including our brains leading to widespread neurological/neuropsychiatric effects and possibly many other effects. This nervous system attack is of great concern.

2. Attack our endocrine (that is hormonal) systems. In this context, the main things that make us functionally different from single celled creatures are our nervous system and our endocrine systems – even a simple planaria worm needs both of these. Thus the consequences of the disruption of these two

regulatory systems is immense, such that it is a travesty to ignore these findings.

3. Produce oxidative stress and free radical damage, which have central roles in essentially all chronic diseases.

4. Attack the DNA of our cells, producing single strand and double strand breaks in cellular DNA and oxidized bases in our cellular DNA. These in turn produce cancer and also mutations in germ line cells which produce mutations in future generations.

5. Produce elevated levels of apoptosis (programmed cell death), events especially important in causing both neurodegenerative diseases

and infertility.

6. Lower male and female fertility, lower sex hormones, lower libido and increased levels of spontaneous abortion and, as already stated, attack the DNA in sperm cells.

7. Produce excessive intracellular calcium $[Ca^{2+}]_i$ and excessive calcium signaling.

8. Attack the cells of our bodies to cause cancer. Such attacks are thought to act via 15 different mechanisms during cancer causation." This is from his paper 5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF)

Exposures and the Mechanism that Causes Them.

-Cellular DNA damage: Single strand and double strand breaks in cellular DNA and oxidized bases in cellular DNA, leading to chromosomal and other mutational changes:

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-Apoptosis/cell death (an important process in production of neurodegenerative diseases that is also important in producing infertility responses):

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Feb 31 (1).

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Sincerely,
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