

May 21, 2021

Dear Chairman Marshall and Members of the House Consumer Affairs Committee - Representatives Quinn, Emrick, Sankey, Delozier, Farry, Kauffman, Mackenzie, Mehaffie, Metzgar, Miller, Nelson, Pickett, Todd, Warner, Bullock, Burns, Davis, Flynn, Malagari, Mullins, Parker, Schweyer and Snyder (please forward to all members):

My name is Beverly DeCer and I reside in Williamsport. I attest and affirm that the following statements are true, accurate and within my knowledge.

The Federal Communications Commission (FCC) guidelines pertaining to microwave radiation do not adequately protect my health nor the health of 12-million Pennsylvanians. Specifically:

1. Thousands of peer-reviewed scientific studies spanning 9 decades conclude adverse health effects result from microwave radiation at intensity levels hundreds of thousands of times below FCC's guidelines. Three examples are cited below. ¹ Countless others can be listed.
2. Even microwave intensities at vanishingly low levels of a billionth, trillionth and quadrillionth of a watt have been shown to cause serious harm.² Intensities are relatively irrelevant because microwave radiation, with wavelengths approximating body and body-part dimensions, is optimally *absorbed*.
3. FCC's exposure guideline for TV and some microwave radiation, for example, is approximately 580 microwatts per square centimeter³. However, governments for nearly half the world's population set stricter limits which far more protective of their citizens' health than do FCC guidelines. Russia's standard is 58 times less and China's

¹ Bioinitiative Report <https://bioinitiative.org/>;

Naval Medical Research Institute Bibliography of Reported Biological Phenomena (effects) and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation

<https://www.emfresearch.com/us-nmri-studies/>;

Proceedings of the Second Tri-Service Conference on Biological Effects of Microwave Energy, July 1958

https://archive.org/stream/DTIC_AD0131477/DTIC_AD0131477_djvu.txt

² Bioinitiative Report, SECTION 1, Conclusion Table <https://bioinitiative.org/>

³ Bioinitiative Report, SECTION 3, p. 7

96 times less.⁴ These far stricter standards show even Communist officials in the former USSR and China are more protective of their citizens than is FCC.

4. FCC's guidelines, produced in 1991 in proven scientific fraud, were calculated using a plastic mannequin head filled with water and modeled on a 220 lb man, not a human being, animal or living tissue. If the water temperature didn't rise 2 degrees centigrade in 6 minutes from microwave exposure, FCC deemed exposure to be "safe".⁵ FCC's guideline-setting committee, the industry group IEEE, considered only a 30-minute exposure, and gave no consideration to:
 - a. Pregnant women, fetuses, children with thinner skulls, the chronically ill and elderly
 - b. Long-term cumulative exposure over many years, not allowing for latency periods for cancer and other serious illnesses
 - c. The proliferation of wireless infrastructures and devices and the effects of simultaneous overlaid signals in ubiquitous radiation

5. FCC gave no consideration to the unique, data-dense features of 4G-5G pulse-modulated microwave radiation, which research shows to be far more biologically harmful than continuous wave radiation. These include:⁶
 - a. Wave lengths that approximate human body and organ size which increase absorption exponentially.
 - b. Pulse repetition rate
 - c. Pulse shape
 - d. Higher amplitudes through phased-array beam-forming
 - e. Rapid bursts of peak intensities

6. Earth's natural frequency is 7.8 cycles per second (7.8 Hz). 3G and 4G manmade frequencies range from 0.6 billion cycles per second (0.6 GHz) to 2.5 billion cycles per

⁴ Bioinitiative Report, SECTION 3, p. 8

⁵ The Non-Tinfoil Guide to EMFs by N.Pineault, p. 31-32

⁶ Bioinitiative Report, SECTION 15, p. 1-70

second (2.5GHz). 5G manmade frequencies dramatically jump to 24 billion cycles per second (24 GHz) to 90 billion cycles per second (90 GHz). 5G together with 3G and 4G wavelengths which will remain in use will subject East Hempfield Township residents with microwave radiation levels unprecedented in human evolution.

7. Guidelines are not safety limits. They are not laws, rules or regulations. They are merely interpretive. ⁷

In conclusion, for my safety, your safety and the safety of all Pennsylvanians, I urge you to keep all 5G antennas out of areas near residences, schools, playgrounds, healthcare facilities, and agricultural areas that rely on pollinators. Please see Enclosure (1) of examples of where 5G antennas were indiscriminately placed in close proximity to occupied buildings.

I have expressed no matter of "mere concern" but solely matters of substance, fact, and law.

Please write me back and advise what you and the Senate Communications and Technology Committee will do to protect my health against the expansion of 5G and small cell wireless infrastructure in Pennsylvania. Please enter my letter into the official record for this hearing and proceeding.

I appreciate and accept your oath of office.

Signed this 21st day of May, 2021

Beverly DeCer

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Copy to:
Senator Gene Yaw
Representative Jeff Wheeland

⁷ Black's Law Dictionary <https://thelawdictionary.org/guideline>;
<https://frsecure.com/blog/differentiating-between-policies-standards-procedures-and-guidelines/>