1. **Name(s) of the person(s) or organization(s) submitting the comment**

   Marissa

2. **Please describe which perspective(s) your comments represent:**

   individual consumer

3. **information that may be helpful:**

   a. **The type(s) of wireless technology or RF/EMF source(s) involved:**

      mobile phones, Wi-Fi, bluetooth computer keyboard/bluetooth computer mouse, smart meters, wearable devices, landline telephone that works only through the internet, Ring doorbell speaker that plugs into wall outlet, Roku TV devices.

   b. **The duration, frequency, and approximate timing of the reported exposure(s):**

      Duration: started when 5G began

      Frequency: every day and every night

      Timing: whenever I'm near one of the devices referenced in 3(a) while said device is on.

   c. **The potential adverse health effects experienced.**

      Depending on the strength, it begins with pressure in my brain, then about a second later, loss of short term memory begins. I have to move away from the source to get back to normal.

d. **When potential adverse health effects first appeared relative to when exposure began and whether any changes in exposure coincided with potential adverse health effects.**

Already listed in number 3

e. **Whether medical evaluation or treatment was sought, including any diagnoses received (if the respondent chooses to share them).**

I scheduled a brain MRI due to head pressure but the night before the MRI was scheduled, the pressure stopped, and did not return until the following night, after the MRI was taken. I also had a CT scan when everything first started due to nosebleeds coming with the pressure, but the CT scan found nothing abnormal.

f. **Whether steps to reduce or eliminate exposure were taken and, if so, whether any subsequent changes in potential adverse health effects were observed.**

Yes, after some time, I found out that I was able to turn off 5G on my cell phone. However, sometimes it would turn on by itself even though I had the setting turned off. I also bought an EMF protective sticker to place on my cell phone, which helped when the 5G was on. However, when friends, family or coworkers near me have 5G on their phones, I automatically feel it, and ask them to turn it off if I feel comfortable doing so, or I put up many water bottles and plants near me to absorb the 5G for me, so I don't feel the pressure from it. The home wi-fi router does not always bother me but when it does, I turn it off for a while, and the pressure in my brain stops. I also placed an EMF sticker

under each Roku device and that made the pressure stop. I had to unplug the Ring doorbell wall speaker. I have to place Shungite rocks on my bluetooth computer keyboard and bluetooth computer mouse. I have to place water bottles in front of my work phone that sits on top of my desk because it works as an internet router. Even holding the phone in my hand or against my head during a call will leave numbness in those areas for 30 minutes to an hour after the phone call. I don't purchase or place any LED lights in my bedroom.

g. **Any supporting documentation, including scientific reports, exposure measurements, or other relevant information.**

Attached are multiple documents.

Additionally, please see the below links to EMF measurements that I took:

https://youtube.com/shorts/PkEzNFXU33Y?is=S1B8VqzfgSvWaKu1

https://youtube.com/shorts/xHPDh40XoG0?is=Ttt8lVOTwO1kJY0J

https://youtube.com/shorts/j1sqtcB1AV0?is=j2GdMZ7WfHtiq-Aq

https://youtube.com/shorts/H2YI_fPv8lA?is=reyA-LCGcfGjWvoX

Also, see the below two studies:

Cell Tower to be Removed After 4th Ripon Student Diagnosed with Cancer / MARCH 25, 2019

https://mdsafetech.org/2019/03/25/cell-tower-to-be-removed-after-4th-ripon-student-diagnosed-with-cancer/

Students and Staff Have Suffered Other Illnesses at CA School with Sprint Cell Tower In Addition to 8 with Cancer / MARCH 31, 2019

https://www.activistpost.com/2019/03/students-and-staff-have-suffered-other-illnesses-at-ca-school-with-sprint-cell-tower-in-addition-to-8-with-cancer.html

4. **We invite healthcare professionals, researchers, and public health practitioners to describe observations from clinical practice, occupational settings, or research that may help identify patterns, if any, of reported potential adverse health effects associated with RF/EMF radiation and exposure.**

   N/A

*Exposure Standards and Risk Assessment*

5. **What existing national and international exposure standards, guidelines, or regulatory frameworks should federal health agencies consider when evaluating the potential adverse health effects of human exposure to RF/EMF?**

   See attached pdf entitled " FCC's Cell Phone Testing Dummy is Larger Than 97% of All Cell Phone Users - Consumers For Safe Phones"

   h. **What scientific, technical, or regulatory changes by federal health agencies, if any, would improve the assessment, disclosure, and regulation of wireless radiation exposure?**

      EMF measurements and other measurements, such as ionizing radiation, need to be taken and the limits found in those measurements need to be studied on biological entities to find out the effects of such limits on biological entities.

   i. **Is additional research needed to develop, test, and evaluate the**

**effectiveness of procedures and techniques for minimizing exposure to electronic product radiation?**

Yes

j. **Where are the largest gaps, if any, in knowledge?**

If you Google does "5G cause cancer,"Google has essentially been telling you that it won't. However, that is incorrect. There are studies that prove high that those amounts of radiation cause cancer. Therefore, the general public is unaware, and continues to be bombarded with radiation. If that is not true, then why weren't people allowed to live in Chernobyl for 50 years after the nuclear explosion, and why do people have to wear hazmat suits when exposed to nuclear radiation?

k. **What research is needed to appropriately evaluate current or future national and international exposure standards, guidelines, or regulatory frameworks.**

Listed in (h) above.

l. **How, if at all, should a classification system account for exposure-related characteristics, including operating frequency, power density, specific absorption rate (SAR), electric- and magnetic-field strength, modulation and pulse characteristics, duty cycle, beamforming, simultaneous exposure to multiple frequencies, duration of exposure, distance from the source, proximity to the body, and cumulative exposure over time?**

A classification system should explain the results of being exposed to each different type of radiation.

6. **What scientific evidence exists about potential adverse health effects caused by current exposure limits?**

   See the attached studies.

*Measuring Human Exposure and Public Health Surveillance*

7. **What scientific methods are currently available for accurately characterizing individual and population-level RF radiation exposure?**

   Anyone can calculate the number of 5G towers and small cell towers built in a location and divide it by the amount of people living in that area, as well as the amount of trees in that area. (Trees absorb the 5G radiation, as well as humans and pets.)

8. **What, if any, improvements in exposure assessment methodologies are needed to better evaluate real-world exposure conditions?**

   In my opinion, HHS should be responsible for installing geiger counters and EMF/RF readers in each area where a 5G tower or small cell tower is installed and continuously monitor readings.

9. **What, if any, technical and exposure-related information should be disclosed to consumers, residents, workers, schools, healthcare providers, and local governments?**

   The findings of studies showing the effects of radiation exposure on biological entities (especially at high limits of radiation).

10. **What data sources or surveillance systems currently exist to monitor potential adverse health effects associated with RF radiation exposure?**

    I don't belive any exist, within the government anyway, that are public knowledge.

11. **Should additional data sources or surveillance systems be developed?**

    Yes

12. **Please discuss the benefits and challenges of the following data sources and surveillance systems, as relevant:**

    a. **disease registries –** HIPPA violations

    b. **occupational monitoring –** Privacy invasion/violation of Constitutional amendment

    c. **environmental monitoring –** no legal challenges, I believe

    d. **longitudinal cohort studies –** possible privacy violations

    e. **biomonitoring -** Privacy invasion/violation of Constitutional amendment

    f. **adverse event reporting -** HIPPA violations

    g. **disease or illness clusters -** HIPPA violations

    h. **Other**

13. **Should exposure assessment or risk evaluation differ for sensitive populations such as those noted below? Please explain.**

    a. **children**

    b. **pregnant women**

    c. **older adults**

    d. **individuals with implanted medical devices**

    e. **workers with elevated occupational exposure**

    f. **individuals with preexisting medical conditions**

    g. **Other populations that may uniquely experience potential adverse health effects in response to RF radiation**

    Yes, to all listed.

*Existing Evidence*

14. **What scientific evidence exists regarding potential adverse health effects associated with RF radiation exposure at levels below current federal exposure limits?**

    I am unaware of any such studies for BELOW current federal exposure limits.

15. **According to scientific evidence, how do the technologies below affect cumulative exposure patterns?**

    a. **5G**

    b. **6G**

    c. **Wi-Fi**

    d. **Satellite-based communications**

    e. **Internet of Things (IoT)**

    f. **Wearable technologies**

    g. **Smart homes/appliances**

    h. **Smart cities**

    i. **Autonomous vehicles**

    j. **Wireless medical devices**

    k. **Communication enabled smart meters**

All of these items emit higher than safe levels of radiation. If you don't know of any studies, then that means you need to perform said studies.

16. **What scientific evidence exists regarding potential adverse environmental effects associated with RF radiation?**

    I am not with this knowledge but I have seen many trees and plants die when

placed next to these devices that emit high levels of radiation. A simple internet search would probably reveal such studies.

17. **What types of scientific evidence should be considered when evaluating RF exposure associated with wireless infrastructure? Please comment on:**

    a. **proximity to homes, schools, childcare facilities, healthcare facilities, and/or workplaces**

    b. **cumulative neighborhood exposure**

    c. **antenna density**

    d. **small-cell deployment**

    e. **livestock**

As mentioned above, EMF measurements and other measurements, such as ionizing radiation, need to be taken and the limits found in those measurements need to be studied on biological entities to find out the effects of such limits on biological entities.

*Federal Research Priorities*

18. **What are the highest priority research gaps regarding EMF and RF radiation and public health that the federal health agencies should address?**

    See attached pdf entitled " FCC’s Cell Phone Testing Dummy is Larger Than 97% of All Cell Phone Users - Consumers For Safe Phones"

19. **How can federal health agencies improve coordination of EMF and RF radiation research? Please comment on potential roles for federal health agencies, including, but not limited to:**

a. **HHS Food and Drug Administration (FDA) –** The FDA can assist with studies on food safety regulations for microwaves in U.S. Citizens homes.

b. **HHS National Institutes of Health (NIH)** – I would assume the NIH would already be aware of the effects of such radiation on humans as it pertains to X-rays and MRI's in hospitals, as they do not allow pregnant women to obtain such tests, because they state that it harms biological entities. The NIH

c. **HHS Centers for Disease Control and Prevention (CDC)** – I have seen items in vaccinated blood under a microsope react when exposed to radiation, such as what is emitted in cell towers. The CDC should remove such items from vaccines.

d. **HHS Federal Communications Commission (FCC)** – The FCC appears to be the main source of this damage to the public. Innocent citizens of America should not be exposed to such high levels of radiation. The FCC and HHS need to work together to conduct studies on biological entities to find out the effects of such limits on biological entities.

*Additional Information*

20. **Please identify any additional scientific evidence, technical information, data, or recommendations that federal health agencies should consider when evaluating potential adverse health effects associated with RF/EMF radiation exposure.**

    See attached pdf entitled " Measurment of Microwave Frequencies"