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WT Docket No. 17-79  
Accelerating Wireless Broadband Deployment by Removing Barriers to  
Infrastructure Investment

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554

I am concerned that current wireless is too heavy to be used in the right-of-way. Current light poles are generally 15 feet tall and designed to break away when hit by a motorist, particularly in residential settings with all public utilities laid underground. The light poles are designed that way to save the life of the driver. The current technology for wireless poles in the right of way puts a 300 lbs antenna at the top, necessitates a 30 foot pole that is designed much stronger to the point that it will not break when hit by a moving vehicle. In other words, such new construction will be designed to kill the driver. I cannot see why the FCC would take away citizens rights to peaceful life saving designs in their communities just because the technology is not ready to be discrete. What is the harm in waiting for better solutions that do not intrude with both the safety and aesthetic nature of our communities?

300 pound antennas at the top of cell towers in front of your home:  
<http://tinyurl.com/300-lbs-cells>

I am not against wireless internet but I am against ugly installations of technology that simply isn't ready. I am also against using wireless internet in-place-of Fiber optic internet. Most importantly, I'm against stripping citizens of the right to decide what types of structures are built in their communities and near their homes.

Simply put if wireless towers were wanted by our citizens, there would be no need for wireless carriers to request a declaratory ruling.

When given the choice citizens are only deploying wireless cell towers only as a stepping stone to fiber-to-the home as is noted by RS Fiber in Minnesota. They will remove the cell towers after fiber has been laid:

<https://ilsr.org/report-mn-rural-fiber/>

The “internet of things” can happen right now, today. We have heard about this coming wave since the release of Bluetooth and WiFi wireless transmission over ten years ago. We could use “IOT” with current in-home Internet connectivity as well as 4G wireless but nobody wants it. 5G will not make a new market for “internet of things” where there is none already.

Not enough studies into the health effects of radiation has been done by the FCC. We only have outdated studies on how much it takes to burn our skin. What we need to do is look hard at cancer causing reactions to wireless radiation such as this document explores:

[http://teamgathersburg.org/assets/Dr\\_Powell\\_Health\\_Concerns\\_Cellular.pdf](http://teamgathersburg.org/assets/Dr_Powell_Health_Concerns_Cellular.pdf)

220 scientists from 41 nations have signed an international appeal, first submitted to the United Nations and to the World Health Organization in May 2015 say: “Numerous recent scientific publications have shown that EMF affects living organisms at levels well below most international and national guidelines. Effects include increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans. Damage goes well beyond the human race, as there is growing evidence of harmful effects to both plant and animal life.”

<https://www.emfscientist.org/index.php/emf-scientist-appeal>

The FCC is not a credible source for exposure guidelines because it lacks health expertise and because it is too heavily influenced by the wireless industries that it is supposed to regulate. It is a clear conflict of interest.

In the end, fiber is the limiting factor that “future proofs” our internet speeds. It is fiber that will light up the proposed 5G towers that Mobilitie, Crown Castle, and others want to place merely 30 feet from our homes. It is fiber that provides the speed bottleneck. 5G may be faster than 4G Internet, but is it faster than fiber? No, it is not. 5G is not fast enough for our needs, only fiber to the home can meet this demand.

Capacity for cell phones is currently being met by connecting via wifi inside our homes. More and more people are using their fiber optic connections in the home to connect their smart phones for both voice and data communication. Many of us, myself included, rarely connect to a 4G wireless signal anymore.

I ask you, what is the point of putting one cell tower for every 12 homes and within 30 feet of some homes? What is the point when you could travel just a few more feet then divert that fiber from the cell tower by putting it straight into the home? Isn't that what we all really want?

It may make sense to add these new “smaller” cell towers in dense urban places where many people are shopping and congregating but it makes zero sense in a residential setting.

Sincerely yours,  
Aaron Rosenzweig

A handwritten signature in black ink that reads "Aaron Rosenzweig". The signature is written in a cursive, flowing style with a prominent loop at the end of the last name.