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Issue #1: The FCC is planning to establish "safe" human exposure guidelines to ultra-high frequencies, above 100 Gigahertz (GHz).

COMMENT: I am a 46 yr old living in a remote cabin in NC. Previously I lived in Colorado under a large 4G/LTE tower in Louisville, CO, which I could not connect to because the vendor was different from my carrier, which I think is absurd. I was forced to use a power boosting AT&T "microcell". I had unusual, vivid dreams, waking once suddenly with a loud psychological noise (verified w/neighbors no such noise), with flashing blue lights behind my eyes, an inexplicable feeling of terror, and fibromyalgia type conditions. Prior to that I lived in Arvada, Lakewood Colorado in very "wifi polluted" areas with similar issues, even having a stroke with no family history of it, which I cannot reliably blame on wifi--there is no evidence for that, only a feeling.

When I moved to this rural cabin, which we've come to find is within an FAA practice zone, far from wireless towers where apparently cell towers are not allowed within a certain distance of (FAA beacons are radio waves not microwaves), I did not have these symptoms, until I turned up my wifi access point's power up very high using aftermarket firmware ddwrt. This is after switching from AT&T's ABSOLUTELY HORRIFIC DSL to point-to-point dish-based directional WIFI via Skyrunner, a local ISP whose service is excellent. Then I turned OFF my wifi inside the cabin, using the accesspoint as a plain wired router. The P2PWIF Ubiquiti dish is located far from the cabin, and converted all my digital devices to WIRED only, and my symptoms have completely disappeared. A jagoff from Duke Energy in NC, surreptitiously and very sneakily installed a "smart meter" to replace my electrical meter and I stewed about it but ignored it. Then my symptoms came back. I researched it, and sure, enough, smart meters use a VERY strong wifi signal to connect to other smart meters in a mesh network, to relay data back to the source.

Notwithstanding the fact I worked for a company very briefly in Boulder, Colorado called "Esource" which does "energy analytics" (essentially surveillance capitalism for the energy sector), having had this knowledge, I am extremely displeased with the energy companies installing this without my consent OR knowledge. They did not knock on my door, and I was likely engaged in an activity indoors that absorbed my attention, such as watching a video, writing or sleeping or showering or whatever....they installed it without my knowing.

Then it starts to affect me, as nothing else in my life changed. I know a population size of 1 is not a valid clinical trial, but at the time, I wasn't even thinking WIFI was the problem, I only suspected it was a problem

SO I took an aluminum roasting pan and wrapped it around the outside of the smart meter as a makeshift faraday cage after verifying it was legal to do so (it was my property after all)...it's attached to my house.

I verified this worked because DUKE was having to send independent contractor people up to the home to read the meter.

Now if Duke had ever made it easy for them to have a conversation about this without having the phone-runaround which any good faceless corporations puts people through, I would be VERY GLAD to attach an internet Cat6 cable to their device and run it directly to my ISP. Alternatively, they could relocate the box to the very edge of my property at the electric pole that is inside my property, which would be about 200' from the cabin, sufficiently far that physics and attenuation would make any biological effects on people in my cabin be so small as to be insignificant. This would be better. Because that way, they don't have to intrude upon my internal internet network and leave it open for hackers to hack me through Duke power's very likely crap and insecure devices.

In summary, these actions are in my view a valid A/B/A/B/A/B test that strongly suggests to me that WIFI radiation has a strong negative biological effect on me that is not psychological in nature, because I am an IT person, and I have no 'irrational' fears of wifi, and generally speaking moving about in public spaces, using wifi, using phones---I was an early adopter but when I moved to a cabin without cell phone tower availability, I gave up my cellphone and noticed my quality of life has GREATLY IMPROVED. My evaluation is not 'imaginary' and I'm not going to be concerntrilled, bullied, harassed or threatened any more by the telecom industry

into believing that electrosmog is not real, has no effect on me or the environment, or that we have no choice or say in the matter. I've gone fully WIRED. It can be done. I still use bluetooth VERY minimally (<1 hr / day) As a technology it sucks--we can do better than bluetooth.

Issue #2: The FCC is considering allowing manufacturers to average the radiation output of consumer devices over time.

This issue means that manufacturers could produce lower quality electronics with a wider range of High and Low tolerances, meaning they could spike output of devices---spikes can hurt humans and other biological organisms; and can damage nearby electronics. This is not acceptable. They need high and low tolerances, and not be allowed FCC licensure if any of their devices are outside of this range

Issue #3: How should the FCC regulate Wireless Power Transfer (WPT) technology that can wirelessly charge devices while the user is in motion? ([Click here to read more.](#))

I Do NOT want this technology to exist. Wireless power transfer is not something we should allow. I do not know how it works but if it works by induction, then it's overly strong magnetic field or an electric field. If it's 'beamforming' then that means that the beam could pass THROUGH individuals and have a biological effect. There is no such thing as high power passing harmless through biological entities without any effect.

And if the FCC thinks there is, THEY MUST PROVE IT, because science has already demonstrated it with sufficient evidence NOT to be so. We have all the evidence we need to show that cellphone radiation (of all bands from the 800 MHz to 60GHz range) have biological effects, and the effects are stronger with greater transmission strength (Tx)