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Date: 07/05/2021 8:46 PM

Subject: Correction: Wi-Fi Mesh Network Deployment, Emergency in Palm Beach County, Florida

The number of repeaters in the project corrected.

Via Email

Re: Wi-Fi Mesh Network Deployment, Emergency in Palm Beach County, Florida

Dear FCC Commissioners,

Palm Beach County, Florida is currently deploying a Wi-Fi Mesh Network System in and around the area I live where there are open controversies on 25 wireless telecommunication sites with 33 permits that have serious permitting deficiencies (list attached). The irresponsible placement of these facilities throughout Palm Beach County has resulted in excessive public exposures to radiofrequency/microwave (RF/MW) radiation that causes harm to life and property. This constitutes an emergency, as residents are being harmed daily and deployments are continuously being pushed through that will impose yet more harm.

One of these open controversies involves a high-powered "small" cell at 755 Boynton Beach Boulevard in Boynton Beach where passers-by are sometimes hit with such blasts of radiated power, that they can feel them instantly. I have even experienced this as a passenger, watching an RF/MW meter while passing by, and hearing the driver remark, "What was that!?" as I felt a pop on the back of my head and saw my meter peak off scale. This area is also influenced by a monopole tower and another high-powered "small" cell that are both the subject of open controversies. There are 304 – 904 students per half mile who live there that would be considered eligible for wi-fi mesh network service according to the *Digital Inclusion Initiative Point Density Heat Map* (attached). There are also four open controversies for high-powered "small" cells in an area of Lantana with 905 – 1,613 students per half mile that are the highest priority for deployment of the wi-fi mesh system.

This wi-fi mesh network, that is being deployed in partnership with the School Board of Palm Beach County, will target low-income students, all too frequently in areas where the property values have already been debased from wireless facilities and other infrastructure that have environmental impacts, including health effects. These low-income students are our most vulnerable population. As with the other irresponsible placements of wireless facilities, there has been no environmental assessment or consideration for the conditions these students are already at risk from. Now these children will be the path for the County to establish, for itself, a reputation as a provider of high-speed internet service broadcast through their communities and the people in them, when they could, and must rather send signals safely, efficiently, reliably and securely through fiber-optic cable to the premises.

The wi-fi deployment is described in the attached *Digital Inclusion Initiative Newsletter, May 2021* and notes over 25,000 students as recipients of wi-fi devices in the planning. One county commissioner has told us the plans are for 105,000 wi-fi devices. There are 19,947 extenders that have been ordered and 10,000 received. **Repeaters are on poles*** 1,600 feet apart running from the root radio, allowing no escape for pedestrians from their RF/MW radiation transmissions. The root radios will be located on poles at ninety-eight (98) different schools with 2-4 radios each.

While the *Newsletter* reveals that Coronavirus Aid funds are being used to pay for this deployment, it fails to report any speed-check results for what has been constructed so far, even though internet speed (connected to social justice) is the primary factor cited in defense of claim of need for the deployment. Importantly, the US Department of the Treasury set the internet speed standard, for the use of such funds, as upload and download speeds of 100 Mbps. The TP-Link RE450 wi-fi extenders featured for the project are not known for being able to deliver those speeds. Reportedly, wireless typically produces less than 50 Mbps, so should legally qualify neither for the deployment nor the funds.

Components of these devices and their infrastructures are often made in China, and may provide for foreign, and therefore in every case warrantless, military-Intel surveillance, for which reason former President Trump blocked Hwawei and warned against TikTok.

As a reminder, the FCC was appointed by Congress and exists with primary purpose and tasking to protect national security and with the purposes of its primary laws, the Communications and Telecommunications Acts, to promote the safety of life and property. You must immediately act to prevent these unmitigated exposures to harmful RF/MW radiation. Communities, families and children are all inundated in microwave radiation that does not serve, as it chokes on its own interference and then must further power up, increasing harm even more. Do not ignore these signs of the systemic failure of this wireless technology. There are too many areas of the county where exposures are two to four orders of magnitude (not just factors, but *orders of magnitude*) over what were once normal outside residential levels.

You must therefore immediately halt the current deployments in Palm Beach County until such time as you have reviewed the scope of both collective effective radiated power (ERP) and microwave radiation exposure, have cut them down by orders of magnitude to compliance with minimum radio power necessary for the communications purpose, and have declared new and more protective public exposure guidelines. I note that in one part of Palm Beach County, where former President Trump lives, superior fiber-optics to the premises (FTTP) has been provided. Until and unless this is provided to all Palm Beach County residents in place of wireless networks, the FCC is in fact discriminating against other residents. This discrimination must end immediately.

Let me know what the FCC plans to do to return to its proper mission, purpose and tasking, with regard to Palm Beach County's microwave radiation emergency.

Sincerely,

Luanne Moore
Boynton Beach, FL

* Corrected from original revision 1 of 7/5/2021.