

NEW HAMPSHIRE

Final Report of the Commission to Study The Environmental and Health Effects of Evolving 5G Technology

(HB 522, Chapter 260, Laws of 2019, RSA 12-K:12–14)

[https://gc.nh.gov/statstudcomm/committees/1474/reports/5G final report.pdf](https://gc.nh.gov/statstudcomm/committees/1474/reports/5G%20final%20report.pdf) [copy&paste to find]

RECOMMENDATIONS

The Commission has heard from many experts on both sides of the argument concerning the health and environmental effects of 5G and RF-radiation in general; reviewed countless study reports; attempted to get direct answers to our specific questions from the FCC and other federal agencies to no avail; has become aware of a number of lawsuits against the FCC for not accounting for biological effects in the setting of their standards; is still not certain why the standards for acceptable RF-radiation are set so much higher in the United States than other industrialized nations; is concerned that the modulation of frequencies and the combined effect of “the soup” of RF-waves surrounding us today, which will likely increase with time; is aware that there is much research showing potential health risks and understands that much more research is required; is cognizant that our country historically has been beset by examples of products being declared safe only later to be proven unsafe; and is very aware that the World Health Organization and the whole insurance industry are hedging their bets against RF-radiation because of potential harm. Given these considerations, the majority of the Commission yields to the precautionary principle in formulating many of these recommendations. These recommendations cover a broad range of topics. One topic given much consideration had to do with liability from potential harm caused by small cell antennae placed on the public rights-of-way. A majority of the Commission could not agree upon a recommendation surrounding this topic.

Summary of the 15 Recommendations, prepared by Kate Reese Hurd:

- 1) NH House to do a resolution to the US Congress and Executive branch to require FCC to do an independent review of 300MHz - 300GHz RF microwave radiation standards and mitigation. Telecom Act was adopted before the scientific community and public fully knew health and env'l risks. Then Disseminate to public.
- 2) Appropriate agencies to have links on their websites, giving info and warnings about all sources of RF radiation, especially 5G. Do public service announcements, especially RE pregnancy and the young. And gather website visitors' opinions.
- 3) All 5G antenna poles to bear warnings at eye level, legible from 9 ft. away. Public rights-of-way are under municipal jurisdiction, not federal. State has the right to warn its citizens.
- 4) Schools and libraries to move to wired connectivity. [Unwisely, the Commission endorses LEDs and LiFi. Light packed w/ data is not prove safe, and LEDS are not safe – they emit strong EMFS and radio-frequencies.]

- 5) Signal strength measurements, done under worst case scenarios, by independent contractor, for Installation and for changes. Beam-formation, reflection, refocussing and intensification by buildings to be evaluated. Municipalities have zoning powers by federal and NH law. They are to set up hierarchy of siting values according to what the municipality wants.
- 6) Establish new protocols for measuring signal strength to evaluate signal characteristics know to be deleterious to human [plant, animal, and insect] health. Impulsive [pulsed] radiation vs. continuous radiation matters. Multiple sources vs. single matters.
- 7) Set backs. "5G is an upgrade, rather than a provision of wireless service to unserved areas." [Note: only the latter is pointed to in the 1996 Telecom Act.]
- 8) NY Office of Professional Licensure and Certification to include education to home inspectors on RF intensity measurements, just as for radon and mold inspections, etc. The Public has the right to know the on site peak RF levels and 24 hour average when purchasing or renting.
- 9) Statewide measuring of RF intensities, with mapping. Show dead spots for wireless reception, and also white spots – low RF for people who need safety from RF radiation.
- 10) New cell phones to have proximity sensors that allow radiation only when a certain distance from the body. Screen and RF circuit turns off then. Also a button to manually enable and disable the RF. Also on laptops and tablets [etc.]
- 11) Promote and adopt strong statewide encouragement toward fiber optic cable and internal wired connection within buildings. {Unfortunately the Commission encouraged "optical wireless" as well. The loading of data on LED light has not been proven to be safe.}
- 12) Further study of clinical symptoms of RF exposures, also of cumulative exposures. The ADA (Americans with Disabilities Act) identifies this disability. Medical community to delineate protections and protocols.
- 13) Exposure warning signs in commercial and public buildings. Encourage creation of RF-radiation-free zones, especially in healthcare facilities. Signage at entrances about levels and free zones.
- 14) Agencies to develop RF-radiation safety limits to protect trees, plants, bird, insect and pollinators. Protect flora and fauna. RF plumes can actually exceed the existing FCC limits right where leaves, birds and pollinators are.
- 15) NY to engage with federal level to legislate that "under the National Environmental Policy Act [NEPA], the FCC [will] do an environmental impact statement as to the effect on NY and the country as a whole, from the expansion of wireless technologies." Low orbit satellites and 5G small cell antennas and additional macro towers to be included.

[Appendix H, 94]



[Appendix I, p. 95]

