



The Commonwealth of Massachusetts
MASSACHUSETTS SENATE

SENATOR PATRICK M. O'CONNOR
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Senator Edward J. Markey
975 JFK Federal Building
15 New Sudbury St
Boston, MA 02203

Senator Elizabeth Warren
2400 JFK Building
15 New Sudbury Street
Boston, MA 02202

Representative Stephen Lynch
Boston Office
88 Black Falcon Avenue, Suite 340
Boston, MA 02210

Dear Senator Warren, Senator Markey and Congressman Lynch,

I would like to encourage you to advocate for congressional hearings on how the FCC oversees and studies wireless radiation exposure, particularly as it relates to 5G wireless technology. 5G uses higher frequency waves than earlier mobile networks, allowing more devices to have access to the internet at the same time and at faster speeds. This efficiency has led us to invest hundreds of billions of dollars deploying 5G, a technology that requires the installation of 800,000 or more new cell antenna sites in the U.S. However, the lack of proper risk evaluation of the 5G technology places populations at risk.

Numerous recent scientific publications have shown that electromagnetic field (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. Along with these findings, more than 240 scientists who have published peer-reviewed research on the biologic and health effects of EMF signed the International EMF Scientist Appeal¹, which calls for stronger exposure limits.

Nonetheless, without conducting a formal risk assessment or a systematic review of the research on radiofrequency radiation health effects, the FDA recently reaffirmed the FCC's 1996 exposure limits in a letter to the FCC², stating that the agency had "concluded that no changes to the current standards are warranted at this time". Having received numerous concerned calls from constituents reporting their fears for the health and safety of their loved ones, following the installation of 5G cell antennas near their homes, I believe this issue warrants further investigation. Thank you in advance for your consideration of this request. Please do not hesitate to contact me directly if you have any questions or concerns regarding these important matters.

Sincerely,



Patrick M. O'Connor
State Senator
Plymouth & Norfolk District

¹<https://emfscientist.org/index.php/emf-scientist-appeal>

²<https://ecfsapi.fcc.gov/file/10815418118189/13-84.pdf>
