



ICES

International Committee on Electromagnetic Safety

October 17, 2019

Marlene H. Dortch
Secretary Federal Communications
Commission 445 12th Street SW
Washington, DC 20554

Subject: **Notice of Ex Parte Communication**, Reassessment of Federal
Communications Commission Radiofrequency Exposure Limits and Policies, ET
Docket No. 13-84

Dear Ms. Dortch:

On October 4, 2019, the Institute of Electrical and Electronics Engineers (IEEE) published the updated IEEE Standard C95.1-2019 “Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic and Electromagnetic Fields, 0 Hz to 300 GHz.” This newly updated standard follows years-long efforts by the IEEE International Committee on Electromagnetic Safety (ICES). The standard provides exposure criteria and limits to protect people against established adverse health effects associated with electric, magnetic and electromagnetic field exposure. I am informing you that our updated standard is a substantial improvement over the older 1991 version used by the FCC in 1996 to develop the current US regulations related to safe RF exposure. This newly updated standard represents a substantial advancement over previous editions, as it incorporates updated limits that reflect current scientific knowledge, including the frequency range above 6 GHz chosen for upcoming 5G networks.

The recently published IEEE standard may be downloaded free of charge from the IEEE website at this link:

<https://ieeexplore.ieee.org/document/8859679>

Please note that non-IEEE members will have to set up a free account at the above link (upper righthand corner of the screen) to be able download the standard.

Sincerely yours,

Jafar Keshvari, Ph.D.
Chairman IEEE-ICES

A handwritten signature in red ink, appearing to read 'Jafar', with a stylized flourish at the end.