

May 4, 2020

E-Filed

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C., 20554

Re: Informal Objection Under Section 5.95 to Application of Space Exploration Technologies Corp. ("SpaceX"), Application for Experimental License for the MicroSat-1a/b Test and Demonstration Mission, File No. 0356-EX-PL-2015

Dear Ms. Dortch,

Please deny SpaceX's request for experimental license to emit RF radiation into the continental U.S.

Radiofrequency (RF) radiation (a possible class 2B human carcinogen) is known to cause detrimental biological effects at levels far below the outdated FCC limits.

On February 7, 2014, the U.S. Department of Interior (DOI) stated, "*the electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today,*" in reference to the current limits governing RF radiation, as utilized by WiFi, cellphones, and other wireless technology.

No projects that would result in ubiquitous non-consenting exposure of entire communities, never mind the whole country, should be approved prior to completion of the FCC update to the RF limits governing exposure, so that the limits are protective of the entire population during chronic exposures. At this time, the limits protect only large males from thermal harm during very short exposures. Therefore, approval of projects leading to widespread chronic irradiation of entire communities with RF radiation would constitute a violation of the Nuremberg Code of Ethics (<http://www.hhs.gov/ohrp/archive/nurcode.html>), the U.N. Convention on the Rights of Persons with Disabilities, several sections of the U.N. Convention on the Rights of the Child, and International Human Rights Law in the Universal Declaration of Human Rights due to the serious detrimental biological effects and the ubiquitous nature of the exposure.

Research shows that RF radiation causes detrimental effects, even death, for both flora and fauna, including bees. Widespread irradiation of the continent and the planet would cause environmental disaster.

Rocket-launched WiFi projects also pose an additional serious threat to our climate. Studies show black carbon rocket emissions have a direct and negative effect on the ozone layer (see GUARDS SpaceX FCC filing), as well as increasing absorption of heat in the atmosphere. The increased number of launches needed to support more than 11,000 WiFi network satellites is unparalleled, as will be the environmental damage.

Please do the right thing: protect humanity and the environment by denying SpaceX's permit request. I know that some satellites have already been launched, but please think about the consequences of letting this happen. I urge you to read 'The Invisible Rainbow' by Arthur Firstenberg who gives a brilliant scientific account of electricity and how it affects all life. Thank you

Sincerely,
Jo Young
Wales. UK