ID	105252837704835	**Proceeding**	OET 19-226
Name of Filer	Elizabeth Gruenke		
Type of Filing	COMMENT	**Filing Status**	DISSEMINATED
Viewing Status	Unrestricted		
Date Received	May 26, 2020	**Date Posted**	May 26, 2020
Address	53 Graceland Dr.	**City**	San Rafael
		State	CA
ZIP	94901		

Brief Comment

I object to the practice of allowing exposures to be averaged over time to comply with FCC exposure limits. There is no scientific basis to support the notion that short, periodic bursts of RF radiation are not biologically harmful, or that only cumulative effects over time may have an impact. The FCC should establish temporal limits for both Specific Absorption Rate (SAR) and power density. Further, I agree with the American Academy of Pediatrics that the FCC's current method of testing wireless devices is not reflective of the way people actually use technology today. Given the increasing use of wireless devices by children and adolescents, we encourage the FCC to seek out and utilize testing protocols that reflect real-world situations. My son was briefly unable to participate in online learning during the COVID shelter-in-place because he developed fatigue, brain fog, and confusion from the time spent participating in video calls with his class. After we switched to ethernet, he felt fine and was able to resume school. This experience highlighted for us the vulnerability of children in particular to high levels of exposure. Devices must be tested as they are used in real-world fashion to demonstrate that they *never* exceed safety limits, even briefly.

ID	105251112612231	**Proceeding**	OET 19-226
Name of Filer	Elizabeth Gruenke		
Type of Filing	COMMENT	**Filing Status**	DISSEMINATED
Viewing Status	Unrestricted		
Date Received	May 26, 2020	**Date Posted**	May 26, 2020
Address	53 Graceland Dr.	**City**	San Rafael
		State	CA
ZIP	94901		

Brief Comment

Our family has firsthand experience of harm from exposure to non-thermal levels of radiofrequency radiation: insomnia, brain fog, and fatigue. We call on the FCC to take seriously the emerging science showing biological effects from exposure to all types of wireless radiation. Thousands of published, peer-reviewed studies show biological harm, even at non-thermal levels, for various frequency ranges. The FCC's own admission that it is unaware of any other types of effects demonstrates a failure to actively investigate the issue by proactively engaging with the scientific community studying the short and long-term biological impacts of exposure to humans and possible interference with systems of the natural world. Failure to seek out and consider the latest science makes decisions of the FCC suspect. Please do the right thing and give us a reason to trust you.

ID	105250080425725	**Proceeding**	OET 19-226
Name of Filer	Elizabeth Gruenke		
Type of Filing	COMMENT	**Filing Status**	DISSEMINATED
Viewing Status	Unrestricted		
Date Received	May 26, 2020	**Date Posted**	May 26, 2020
Address	53 Graceland Dr.	**City**	San Rafael
		State	CA
ZIP	94901		

Brief Comment

I am extremely concerned about the potential approval of WPT devices operating at ranges in excess of 5o cm. As a person who gets headaches from exposure to electrical fields of 3 mG, the possibility of ongoing and invountary exposure to electrical fields charging devices wirelessly is quite frightening. I ask that you require manufacturers to conduct pre-market testing to demonstrate the safety of such devices when used in all possible “worst case” scenarios, including mitigation techniques to avoid inadvertent or collateral damage to the public. Such an analysis must include consideration of biological impacts.