

To: Federal Communications Commission (FCC)  
Washington, D.C.

In the Matter of

Reassessment of Federal Communications                      ET Docket No. 13-84  
Commission Radiofrequency Exposure  
And Policies

Proposed Changes in the Commission's Rules              ET Docket 03-137  
Regarding Human Exposure to Radiofrequency  
Electromagnetic Fields

March 26, 2014

REPLY TO CTIA COMMENTS: ELLEN K. MARKS

The proponents of more stringent and appropriate protective standards for Radiofrequency Exposure have been accused by the CTIA of "cherry-picking" science. These scientists and activists understand the critical urgent need of reassessing the so-called safety standards to take into account non-thermal effects of non-ionizing radiation for the welfare of a generation being raised on cell phones. We also understand the difference between independent science and industry bought science. It would be in the best interest of the FCC to align with those accused of "cherry-picking" on the side of public health rather than an industry who is "cherry-picking" and buying science to increase their profits.

The CTIA response to comments made on FCC ET Dockets 13-84 and 03-137 dated November 18 is itself packed with "cherry-picking" by the CTIA of both the science and the statements by federal regulatory agencies. It appears to be a deceitful document written in desperation for lack of substantial supportive arguments.

I do not consider my work and that of my colleagues that of cherry picking. We have conducted and or researched credible science and recognize the impact these standards have on the health of Americans. As it stands now the standards are not protective of human health which is verified not only by own husband's glioma, but by the hundreds of others who have reached out to me that are now dead or dying "more likely than not" from their cell phone use.

It is obvious that basing the current standards on thermal effects only will never protect Americans from the harmful health effects of wireless radiation and that deadly brain tumors in the temporal and frontal lobes will continue to increase (Zada, 2012). With over 300 million Americans, including children, either using or keeping the device on or near their body 24 hours

a day 7 days a week this situation has completely gone awry. The FCC has a responsibility to stop the revolving door and do what is right for all Americans, especially innocent children who are being subjected to far higher levels of radiation than their small bodies can manage.

NO ONE HAS PROVEN THAT CELL PHONES ARE SAFE AND UNTIL THAT IS DONE IT IS IN THE BEST INTEREST OF THE FCC TO REASSESS THEIR STANDARDS AND EMPLOY STANDARDS TRULY PROTECTIVE OF HUMAN HEALTH.

EVEN THE CTIA IN A HEARING IN BURLINGAME, CA STATED THAT THE CTIA HAS NOT SAID ONCE, NOT ONCE THAT CELL PHONES ARE SAFE. THEY PUSHED THE BLAME ONTO YOU CLAIMING THAT THE FCC STATES CELL PHONES ARE SAFE.

The document written by Mr. Altschul is basically a compilation of mistruths and/or the twisting of the truth. He fails to mention the IARC/WHO classification of radiofrequency electromagnetic fields being possibly carcinogenic to humans based on an increased risk of lethal gliomas associated with wireless phone use. The 2013 IARC Monograph represents that classification. The studies mentioned in the CTIA comments are not independent ethical studies. There is excellent independent science proving that there are deleterious health effects of non-ionizing radiation at non-thermal levels.

In a letter dated February 7, 2014 from The Department of the Interior to the National Telecommunications and Information Association the Department of Interior criticizes the FCC standards when they state in Exhibit A of their letter: "**However, 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.**" The comment from the Department of the Interior can be found here:  
[http://www.ntia.doc.gov/files/ntia/us\\_doi\\_comments.pdf](http://www.ntia.doc.gov/files/ntia/us_doi_comments.pdf)

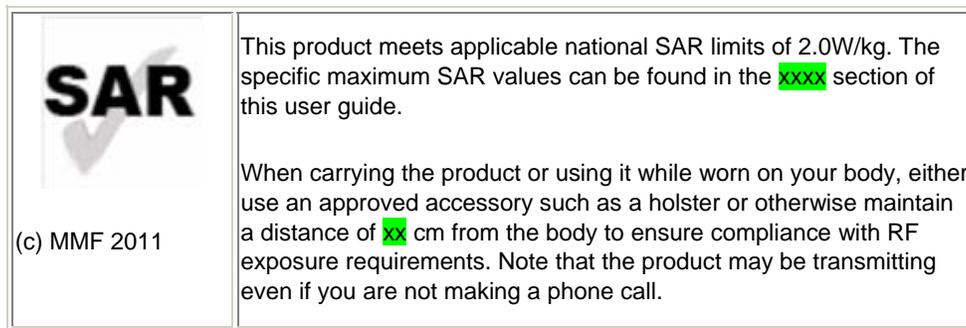
Many of us tried explaining to the GAO and in our comments to the FCC that thermal heating is not applicable. The GAO chose to ignore the truth about the seriousness of non-thermal damage and instead believed the industry and the scientists they supplied for input. The CTIA criticizes us for mentioning the well documented ill effects of this non-thermal radiation and claims non-thermal damage is unfounded. It is time for the FCC to stop working on behalf of an industry who continues to twist the truth to protect themselves and their profits and instead start protecting the health of Americans.

Also, the CTIA mentions the Mobile Manufacturer's Forum (MMF) in their letter. It is surprising that the CTIA failed to mention the implementation of the SAR tick by the MMF.  
<http://www.sartick.com/sar-tick.cfm>

*“...Based on stakeholder feedback, MMF members have recently expanded the information being provided as well as changed how it is presented. A summary is now provided in the front part of the manual or quick guide along with other compliance information, and details on the measurement conditions under which the maximum head and body SAR was recorded enable consumers to better understand the measurement process and how to ensure their product remains compliant. Additional background information and answers to commonly asked questions about SAR has been published on a new website designed to support this program, which is available at [www.sartick.com](http://www.sartick.com). Finally, these efforts are also being reinforced by introduction of the ‘SAR Tick’ pictogram:”*

[http://mmfai.info/public/docs/eng/vp\\_3rdPartyLabels\\_131101final.pdf](http://mmfai.info/public/docs/eng/vp_3rdPartyLabels_131101final.pdf)

### Example 'SAR Tick' Label



I am in agreement with the FCC that comparing the SAR of devices can be misleading. I am aware that just hours prior to the Hearing in Burlingame, CA, after being contacted by the CTIA, that the FCC removed the line on the FCC website telling consumers to purchase a device with a lower SAR.

However, the information presented in the SAR Tick above also includes “ When carrying the product or using it while worn on the body, either use an approved accessory such as a holster or otherwise maintain a distance of xx cm from the body to ensure compliance with RF exposure requirements. Note that the product may be transmitting even if you are not making a phone call.” This is critical badly needed information which is currently hidden in a manual or in the phone. While the FCC is taking the time to consider the reassessment of standards the FCC should demand that this SAR Tick be implemented by the CTIA in the United States. It would be a helpful start to giving consumers information that may affect their health and that of their children.

As to the CTIA comments about normal or typical use, Americans do text often but many also still hold them smashed to the head, kept in pants and shirt pockets , waistbands and bras all day long while on, and sleep with them near their heads and bodies while on. There is no

debate that cell phone use is exorbitant and I do not advocate against this valuable technology. I do advocate for the FCC to reassess their standards for this ubiquitous device making them more stringent and protective of public health, especially for children. I also advocate for replacing the current compliance testing procedure, as it is, according to Dr. Sanjay Gupta "low tech". It certainly does not take into account absorption by children, teens and smaller adults and is obsolete as to non-thermal effects.

Thank you.

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