

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)	
)	
Notice of Proposed Rulemaking)	
18 FCC Rcd 13187, 13188 ¶1 (2003))	ET Docket No. 03-137
)	
And)	
)	
Service Rules for the Advanced Wireless Services)	WT Docket No. 12-357
H Block---Implementing Section 6401 of the)	
Middle Class Tax Relief and Job Creation Act of)	
2012 Related to the 1915-1920 MHz and)	
1995-2000 MHz Bands ¶53 footnote 95)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Reply Filed by: Michael Schwaebe
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February 23, 2013

AFFIDAVIT OF Michael Schwaebe

State of California

San Diego County

I, Michael Schwaebe, attest that my statements are true to the best of my knowledge.

Reply Comment round for ET Docket No. 03-137 and WT Docket No. 12-357.

1. My name is Michael Schwaebe. My address is 215 Andrew Ave, Encinitas, CA 92024.
2. I am a professional engineer and a Building Biology Environmental Consultant.
3. and onward. Radiofrequency radiation has been known to cause biological effects for more than 40 years. In 1972, Zorach R. Glaser, Ph.D., LT, MSC, USNR of the Naval Medical Research Institute, published a paper called *Bibliography of Reported Biological Phenomenon ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-frequency Radiation* (<http://www.dtic.mil/dtic/tr/fulltext/u2/750271.pdf>), where he categorized the different biological effects from RFR based on more than 1,000 research citations.

A modern day version of this document is the *BioInitiative Report*, found at [BioInitiative.org](http://www.bioinitiative.org). Biological effects in 8 categories (stress proteins, HSP, disrupted immune function; brain tumors and blood-brain barrier; reproductive/fertility effects; sleep, neuron firing rate, EEG, memory, learning, behavior; oxidative damage/ROS/DNA repair failure; cancer, other than brain, cell proliferation; disrupted calcium metabolism; and cardiac, heart muscles, blood pressure, vascular effects) are listed as a function of RFR power density here: <http://www.bioinitiative.org/report/wp-content/uploads/pdfs/BioInitiativeReport-RF-Color-Charts.pdf>.

When looking at biological effects it is peak power that is most damaging and so it is crucial in setting protective limits that this be addressed. Otherwise, the peak power is deluded using averaging criteria.

Respectfully submitted by

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February 23, 2013