



QUALCOMM Incorporated

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December 9, 2013

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

**Re: *Ex Parte* Notice — Reassessment of FCC Radiofrequency
Exposure Limits and Policies — ET Docket Nos. 13-84, 03-137**

Dear Ms. Dortch:

On December 5, 2013, John Forrester, Paul Guckian, Lin Lu and the undersigned of QUALCOMM Incorporated (“Qualcomm”) discussed issues raised in the above-referenced proceeding with the following staff members of the FCC’s Office and Engineering and Technology Laboratory Division: Rashmi Doshi, Kwok Chan, Tim Harrington, William Hurst, Mark Neumann, and Travis Thul.

Qualcomm discussed its reply comments in this proceeding and presented the attached slide relating to RF exposure assessment requirements below 100 kHz.

Respectfully submitted,

John W. Kuzin

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Senior Director, Regulatory

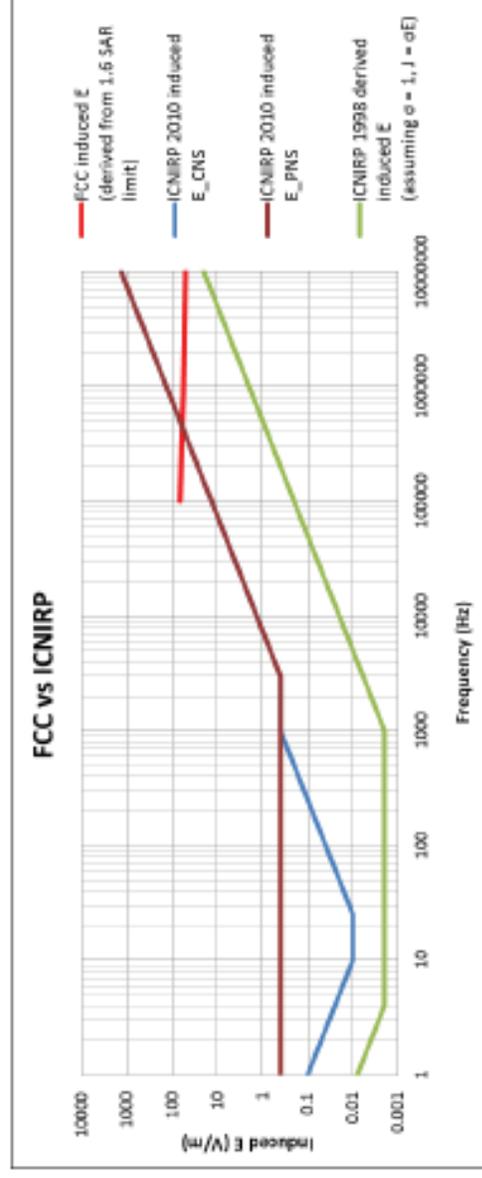
Att.

cc w/ Att.

Rashmi Doshi
Kwok Chan
Tim Harrington
William Hurst
Mark Neumann
Travis Thul

RF Exposure Requirements for Wireless Charging Technology

- No RF exposure requirements identified in the US for frequency < 100kHz
 - FCC SAR limits are specified for frequency range: 100kHz to 6GHz
 - FCC MPE limits are specified for frequency range: 300kHz to 100GHz
- Comparison of FCC limit and ICNIRP guidance for frequency < 10MHz
 - FCC limit is more relaxed for frequency < 450kHz but more restrictive for frequency > 450kHz
 - ICNIRP induced E limit increases with frequency as the biological effect transitions from non-thermal effect to thermal effect, while FCC limit is close to a constant number.



- Recommendation is to adopt ICNIPR 2010 for wireless charging technology