



QUALCOMM Incorporated

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December 22, 2009

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

**Re: Written Ex Parte Presentation
GN Docket No. 09-51**

Dear Ms. Dortch:

On behalf of QUALCOMM Incorporated (“Qualcomm”), in response to a request from Arnab Das of the Commission’s staff, enclosed for filing is a slide deck entitled “Spectral Efficiency,” showing the results of simulations of uplink and downlink spectral efficiency of wireless networks employing various air interfaces (2G, 3G, and LTE). The simulations use various simulation methodologies, assume a 2 x 10 MHz (20 MHz total) spectrum allocation, and use a variety of other assumptions listed in the deck.

Respectfully submitted,

/s/ Dean R. Brenner

Dean R. Brenner
Vice President, Government Affairs

Cc: Arnab Das