



QUALCOMM Incorporated

1730 Pennsylvania Ave., NW ■ Suite 850 ■ Washington, DC 20006 ■ Tel: 202.263.0020

www.qualcomm.com

November 13, 2009

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

**Re: Notice of Oral Ex Parte Presentation
Regarding GN Docket Nos. 09-47, 09-51, 09-137, 09-157**

Dear Ms. Dortch:

On behalf of QUALCOMM Incorporated (“Qualcomm”), this is to report that on yesterday, November 12, 2009, Larry Hartigan, Jin Guo, Kai Tang, and I had a telephone conversation with Arnab Das of the Commission’s staff. During the conversation, we explained to Mr. Das that relays could potentially be used to expand both the capacity and coverage of 3G and LTE networks. Qualcomm has recently made a contribution to 3GPP concerning LTE relays, and I am attaching a copy of the contribution. Pages 2 to 3 of the contribution show the results of simulations quantifying the capacity gains from both LTE relays and so-called Advanced L3 LTE relays.

In addition to providing flexible deployments, these relays could increase LTE coverage, particularly in rural areas. The extent of the coverage gains will depend upon such factors as transmit power, receive sensitivity of the relay, as well as the locations of the relay, the nearest macro base station, and the mobile, and the channels. The process of standardizing relays has begun recently, and further research and development work must be completed before relays can be standardized and brought to market for both 3G and LTE.

Respectfully submitted,

/s/ Dean R. Brenner

Dean R. Brenner
Vice President, Government Affairs

Cc: Arnab Das

