



June 7, 2010

EX PARTE NOTICE

Electronic Filing

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW, Room TW-A325
Washington, D.C. 20554

Re: GN Docket Nos. 09-47 and 09-51;
WT Docket Nos. 09-66 and 06-150.

Dear Ms. Dortch:

On June 4, 2010, Mark McDiarmid, Michael Amend, Yasmin Karimli, Eric Hagerson, Chris Wiczorek, and the undersigned of T-Mobile USA Inc. ("T-Mobile") spoke via telephone with Jonathan Baker of the Office of Strategic Planning & Policy Analysis and Tom Peters, Susan Singer, Paul Murray, and John Leibovitz of the Wireless Telecommunications Bureau.

The T-Mobile representatives discussed the advantages of using spectrum below 1 GHz to provide wireless broadband service. In particular, the spectrum below 1 GHz provides significantly better radio frequency propagation characteristics, resulting in an estimated 15 dB increase to the link budget for rural coverage areas, in comparison to networks using spectrum above 1 GHz. Additionally, in suburban and urban areas spectrum below 1 GHz better penetrates buildings, thereby increasing the link budget by an estimated 5 dB. The combination of these factors allows signal limited networks using spectrum below 1 GHz to cover rural areas using approximately one-third of the cell sites needed by a comparable network using spectrum above 1 GHz. This decreases network capital and operation expenses, reduces costs for consumers, and promotes broadband competition. The T-Mobile representatives emphasized that the Federal Communications Commission should make more spectrum available below 1 GHz to promote its National Broadband goals.

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Pursuant to Section 1.1206 of the Commission's rules, an electronic copy of this letter is being filed for inclusion in the above-referenced docket.

Sincerely,

/s/ Kathleen O'Brien Ham

Kathleen O'Brien Ham
Vice President,
Federal Regulatory Affairs

cc: Jonathan Baker, Tom Peters, Susan Singer, Paul Murray, John Leibovitz