



October 15, 2015

Ex Parte

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

*RE: Use of Spectrum Bands Above 24 GHz For Mobile Radio Services
GN Docket No. 14-177, RM-11640*

Dear Ms. Dortch:

On October 14, 2015, Ericsson employees Farshid Ghasemzadeh, Kumar Balachandran, Mark Racek, and I spoke with Tim Hilfiger, Stephen Buenzow, Brian Regan, Michael Ha, John Schauble, and Matthew Pearl of the Federal Communications Commission's ("Commission") Wireless Telecommunications Bureau and Office of Engineering and Technology.

Ericsson spoke to the attached presentation, which outlines our concerns with how unwanted emissions could be defined and measured in bands designated in the Commission's upcoming Spectrum Frontier Notice of Proposed Rulemaking. Ericsson is interested in working with the Commission to help craft rules which recognize that certain technologies which we expect to see utilized in providing 5G services – such as beam forming, massive MIMO arrays, and different subcarrier spacing arrangements – may require different metrics from those used today. We would like to assist the Commission in defining metrics that take into account the operational aspects of new technologies and balance feasibility and complexity in measuring unwanted emissions.

Pursuant to the Commission's rules, I have filed a copy of this notice electronically in the above-referenced proceeding. If you required any additional information, please contact me.

Sincerely,

/s/ Jared M. Carlson
Jared M. Carlson

Attachment

Jared M. Carlson

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