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April 26, 2016

**Ex Parte**

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

**Re: Use of Spectrum Bands Above 24 GHz for Mobile Radio Services,  
GN Docket No. 14-177**

Dear Ms. Dortch:

On April 22, 2016, Sanyogita Shamsunder, William Johnson, and Gregory Romano of Verizon (“Verizon”) met with Jon Wilkins, Brian Regan, Blaise Scinto, John Schauble, and Matthew Pearl of the Wireless Telecommunications Bureau to discuss 5G deployment and the proposed rules in Docket No. 14-177.

During the discussion, Verizon provided an update on its plans for 5G technology, including progress on testing plans for its Euless, Texas location under the Experimental Special Temporary Authorization granted by the Commission effective April 4, 2016. Verizon also explained work it is doing with the 5G Open Trial Specification Alliance to develop a common, extendable platform for 5G trial activity around the world.

Verizon elaborated on the power limit proposal submitted jointly by Verizon and five vendor partners on April 21, 2016. We also explained the ongoing discussions we are having with the satellite industry regarding how best to address potential interference issues in the 28 GHz band. We reiterated points we have made in our comments that, for purposes of providing earth station operators assurances on potential interference with mobile uses, the Commission should draw a clear distinction between existing and future satellite operations.

Verizon also noted that to the extent the Commission is considering distinguishing between urban and rural areas in its analysis of satellite interference issues, it should analyze past Commission definitions of urban and rural areas rather than adopt an arbitrary list of urban core areas. For example, in its December 2015 Wireless Competition Report, the Commission considered an area to be rural if it had a “population density of less than 100 people per square mile.”<sup>1</sup>

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<sup>1</sup> *Annual Report and Analysis of Competitive Market Conditions With Respect to Mobile Wireless, Including Commercial Mobile Services*, WT Docket No. 15-125, Eighteenth Report, DA 15-1487 (2015) ¶ 39.

Sincerely,

/s/ Gregory M. Romano

Gregory M. Romano

cc: Jon Wilkins  
Brian Regan  
Blaise Scinto  
John Schauble  
Matthew Pearl