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April 18, 2016

Ex Parte

Ms. 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**

Dear Ms. Dortch:

On April 14, 2016, Sanyogita Shamsunder, Arda Aksu, and Gregory Romano of Verizon (“Verizon”) met via tele-conference with Michael Ha, John Schauble, and Stephen Buenzow of the Wireless Telecommunications Bureau regarding proposed power limits in Docket No. 14-177.

During the discussion, Verizon explained that the power limit of 62 dBm proposed for base stations in the Notice of Proposed Rulemaking based on power limits from other bands does not account for the wide bandwidths to be used in millimeter wave (“mmW”) bands. Because the power will be spread over more megahertz, the range of base stations will be much smaller than with similar power levels in existing mobile bands. And the proposed limit also does not account for the increased propagation losses, beam steering, or antenna gain effects associated with mmW bands. With those differences, a higher power limit should apply to base stations in mmW bands than in other bands.

Verizon also explained that the Commission should add a power limit category of customer premises equipment for localized point-to-point use cases that use semi-stationary, movable 5G devices. That category should have a higher power limit than traditional mobile operations but a lower limit than traditional point-to-point microwave operations. Doing so will help ensure that the Commission’s rules do not preclude other use cases that fall in between the classic mobile use case and the high-power point-to-point and point-to-multipoint use cases established for Part 101 operations.

Sincerely,

/s/ Gregory M. Romano

Gregory M. Romano

cc: Michael Ha
John Schauble
Stephen Buenzow