

June 2, 2016

The Honorable Thomas Wheeler, Chairman
The Honorable Mignon Clyburn
The Honorable Jessica Rosenworcel
The Honorable Ajit Pai
The Honorable Michael O'Rielly
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: GN Docket No. 14-177, Use of Spectrum Bands Above 24 GHz For Mobile Radio Services; RM-11768, Petition for Rulemaking to Permit MVDDS Use of the 12.2-12.7 GHz Band for Two-Way Mobile Broadband Service

Dear Chairman Wheeler and Commissioners:

As the FCC continues to identify additional spectrum for the development of Fifth Generation (5G) mobile broadband technologies, I write to encourage the Commission to initiate a formal rulemaking proceeding to explore allowing Multichannel Video Distribution and Data Service ("MVDDS") licensees to use their spectrum to provide 5G mobile broadband service. The MVDDS licensees' 12.2-12.7 GHz spectrum appears to be well suited for 5G deployments, assuming technical rules can be updated to enable sharing between incumbent direct-to-home satellite services (DBS) and mobile broadband services.

Consumers are demanding more data at higher speeds. Spectrum policy must focus on identifying new spectrum blocks that can support greater wireless connectivity and more reliable services. Freeing up additional spectrum for 5G is essential for our country to maintain its global leadership in wireless services. While we are currently the leader in 4G LTE, other countries have taken notice of our success and are aggressively competing in the "spectrum race" to be the first to develop and deploy 5G technologies.

The Commission is on a positive track with its ongoing *Spectrum Frontiers* proceeding that correctly targets spectrum bands above 6 GHz and proposes flexible rule changes that would permit certain bands to be used for 5G deployments. The Commission, however, should consider additional spectrum bands, as well.

Specifically, the Commission should issue a further notice of proposed rulemaking (FNPRM) that includes the MVDDS spectrum when it votes on the Spectrum Frontiers NPRM in the coming months. This would enable the FCC to modernize MVDDS rules to free up 500 MHz of underutilized spectrum for 5G technologies, while protecting existing DBS operations. And by maximizing the spectrum available to support 5G, the FCC will help position the United States to

drive standards and development of 5G and maintain its global leadership in the wireless industry.

Thank you for your consideration, and I look forward to timely updates as the FCC works to free up more spectrum for 5G technologies.

Sincerely,

A handwritten signature in purple ink, appearing to read "Michael F. Bennet". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael F. Bennet
U.S. Senator