

August 26, 2015

Marlene H. Dortch Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, D.C. 20510

Ex Parte Filing in Docket 14-177, Use of Spectrum Bands  
above 24 GHz

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Dear Secretary Dortch,

On August 24, 2015, Prakash Moorut, Amitava Ghosh, Mark Cudak, Tom Kovarik, and Brian Hendricks of Nokia (d/b/a Nokia Solutions and Networks US LLC) held a teleconference with a number of Commission staff including Michael Ha (OET), John Schauble (WTB), Steve Buenzow (WTB), Tim Hilfiger (WTB), Matt Pearl (WTB), Karen Rackely (OET), Rashmi Doshi (OET), Martin Doczkat (OET), Robert Nelson (IB), Sean O'More (IB) Charlie Oliver (WTB), and Brian Regan (WTB). The purpose of the meeting was to further discuss GN Docket No. 14-177, "Use of Spectrum Bands Above 24GHz For Mobile Radio Services." During that call, Nokia reiterated the facts that:

- 71-76 GHz and 81-86 GHz should remain under consideration along with the other mmWave bands the Commission is considering for 5G;
- There is also industry traction for 70/80 GHz;
- 5G is expected to optimize below 6 GHz access and enable above 6 GHz access;
- 6-100 GHz is expected to be included in the scope of World Radiocommunication Conference 2019;
- 5G will provide an order of magnitude improvement in performance; and
- 5G licensed band needs to be large enough to support multiple operators.

Nokia is happy to provide this notice in the proceeding's record and to attach the primary presentation that was shared with the Commission.

Respectfully,

*/Brian Hendricks//*

Brian Hendricks

Attachment: Nokia Presentation