

October 12, 2018

Ex Parte

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

Re: *Unlicensed Use of the 6 GHz Band*, ET Docket No. 18-295

Expanding Flexible Use in Mid-Band Spectrum between 3.7 and 24 GHz,
GN Docket No. 17-183

Dear Ms. Dortch:

On October 10, 2018, representatives from Apple Inc., Broadcom Inc., Cisco Systems, Inc., Facebook, Inc., Google LLC, Hewlett Packard Enterprise, Intel Corporation, Marvell Technology Group, Microsoft Corporation, Qualcomm Incorporated, and Ruckus Networks, an ARRIS Company met with representatives of the Office of Engineering and Technology. On October 11, representatives from the above companies met separately with Commissioner Michael O’Rielly and his Legal Advisor Erin McGrath; Will Adams, Legal Advisor to Commissioner Brendan Carr; Umair Javed, Legal Advisor to Commissioner Jessica Rosenworcel; and Rachael Bender, Wireless and International Advisor to Chairman Ajit Pai. A complete list of participants is attached to this letter.

In these meetings, we expressed our gratitude for OET’s hard work on the draft Notice of Proposed Rulemaking in this proceeding, which represents a critical next step in opening the 6 GHz band to unlicensed broadband use while protecting licensed incumbents. In addition, we discussed areas where additional questions would lead to the development of a complete record. First, we suggested that the Commission consider additional questions on low-power indoor operations throughout the 6 GHz band and provide more specific guidance about the types of evidence that would be most useful to the Commission in assessing the feasibility of these operations in each 6 GHz sub-band. Second, we suggested that the Commission consider additional questions about the use of portable access points in the 6 GHz band, which have proven to be a key use case in the 2.4 GHz and 5 GHz unlicensed bands. Finally, we suggested that the Commission solicit comments on how technical rules governing transmitters can promote rural broadband deployment in the 6 GHz band.

Ms. Marlene H. Dortch

October 12, 2018

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Pursuant to the FCC's rules, I have filed a copy of this notice electronically in the above referenced dockets. If you require any additional information, please contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Margie", enclosed within a thin black rectangular border.

Paul Margie

*Counsel to Apple Inc., Broadcom
Inc., Cisco Systems, Inc., Facebook,
Inc., Hewlett Packard Enterprise,
and Microsoft Corporation*

cc: meeting participants

MEETING ATTENDEES

October 10, 2018

Julius Knapp (OET)
Bahman Badipour (OET)
Michael Ha (OET)
Ira Keltz (OET)
Paul Murray (OET)
Barbara Pavon (OET)*
Jamison Prime (OET)
Karen Rackley (OET)
Hugh Van Tuyl (OET)

Mark Neumann, Apple Inc.
Chris Szymanski, Broadcom Inc.
Mary Brown, Cisco Systems, Inc.
Alan Norman, Facebook, Inc.
Michael Tseytlin, Facebook, Inc.
Megan Stull, Google LLC
Chuck Lukaszewski, Hewlett Packard Enterprise
Reza Arefi, Intel Corporation
David Horne, Intel Corporation*
Yi-Ling Chao, Marvell Technology Group*
Hui-Ling Lou, Marvell Technology Group
Paula Boyd, Microsoft Corporation
Scott Blue, Microsoft Corporation*
John Kuzin, Qualcomm Incorporated
Tevfik Yucek, Qualcomm Incorporated
Stuart Kerry, Ruckus Networks, an ARRIS Company*
Dave Wright, Ruckus Networks, an ARRIS Company
Paul Margie, Harris, Wiltshire & Grannis LLP
Paul Caritj, Harris, Wiltshire & Grannis LLP

October 11, 2018

Commissioner Michael O'Rielly
Erin McGrath, Legal Advisor

Mark Neumann, Apple Inc.
Chris Szymanski, Broadcom Inc.
Mary Brown, Cisco Systems, Inc.
Alan Norman, Facebook, Inc.
Megan Stull, Google LLC
Chuck Lukaszewski, Hewlett Packard Enterprise
Bret Wincup, Hewlett Packard Enterprise
Reza Arefi, Intel Corporation
Hui-Ling Lou, Marvell Technology Group
Michael Daum, Microsoft Corporation
John Kuzin, Qualcomm Incorporated
Tevfik Yucek, Qualcomm Incorporated
Dave Wright, Ruckus Networks, an ARRIS Company
Paul Margie, Harris, Wiltshire & Grannis LLP
Paul Caritj, Harris, Wiltshire & Grannis LLP

* Participated telephonically.

October 11, 2018 (cont'd)

Will Adams, Legal Advisor to
Commissioner Carr

Maria Kirby, Apple Inc.
Mark Neumann, Apple Inc.
Chris Szymanski, Broadcom Inc.
Mary Brown, Cisco Systems, Inc.
Alan Norman, Facebook, Inc.
Megan Stull, Google LLC
Chuck Lukaszewski, Hewlett Packard Enterprise
Bret Wincup, Hewlett Packard Enterprise
Reza Arefi, Intel Corporation
Hui-Ling Lou, Marvell Technology Group
Michael Daum, Microsoft Corporation
John Kuzin, Qualcomm Incorporated
Tevfik Yucek, Qualcomm Incorporated
Paul Margie, Harris, Wiltshire & Grannis LLP
Paul Caritj, Harris, Wiltshire & Grannis LLP

Umair Javed, Legal Advisor to
Commissioner Rosenworcel

Maria Kirby, Apple Inc.
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Rachael Bender, Wireless and
International Advisor to Chairman Pai

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Mary Brown, Cisco Systems, Inc.
Robert Pepper, Facebook, Inc.
Megan Stull, Google LLC
Chuck Lukaszewski, Hewlett Packard Enterprise
Reza Arefi, Intel Corporation
John Kuzin, Qualcomm Incorporated
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Paul Margie, Harris, Wiltshire & Grannis LLP
Paul Caritj, Harris, Wiltshire & Grannis LLP