



November 7, 2017

**VIA ELECTRONIC FILING**

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 Twelfth Street, SW  
Washington, DC 20554

**Re:** **Ex Parte Presentation**, *Use of Spectrum Bands Above 24 GHz for Mobile Radio Services*, GN Docket No. 14-177, IB Docket No. 15-256, RM-11664, WT Docket No. 10-112, IB Docket No. 97-95; *Inquiry Concerning Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion*, GN Docket No. 17-199; *Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Investment*, WT Docket No. 17-79; *Accelerating Wireline Broadband Deployment by Removing Barriers to Infrastructure Investment*, WC Docket No. 17-84; *Streamlining Deployment of Small Cell Infrastructure*, WT Docket No. 16-421.

Dear Ms. Dortch,

CTIA has long heralded 5G's potential to provide an unprecedented economic boost for the American economy and to revolutionize industries from transportation to energy.<sup>1</sup> The wireless industry and multiple industries that rely on wireless services are therefore pleased that the Commission continues to make advancing the 5G agenda a top priority. No other segment of the telecommunications market has wireless's multiplier effect of driving greater innovation and productivity across all American industries. As a further demonstration of the critical role that wireless plays in our nation's top companies, we are pleased to submit the following survey results of business leaders' expectations of their company's future wireless needs.<sup>2</sup>

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<sup>1</sup> See, e.g., *Smart Cities: How 5G Can Help Municipalities Become Vibrant Smart Cities*, Accenture Strategy (Jan. 2017), attached to Letter from Scott Bergman, CTIA, to Marlene Dortch, FCC, WT Docket No. 16-421 (filed Jan. 13, 2017) (projecting that 5G deployment will involve \$275 billion of industry investment, drive \$500 billion of economic growth, and create three million jobs).

<sup>2</sup> See *Industry Leaders Believe U.S. Must be a Global Leader in 5G Wireless for their Business to Stay Competitive*, CTIA (Oct. 24, 2017), <https://www.ctia.org/industry-data/press-releases>.



Commissioned by CTIA, Harris Poll surveyed more than 500 business leaders across the healthcare, transportation, energy, and manufacturing industries. The message from this cross-industry group of top executives was clear: Wireless is a critical component of the work their companies do and 5G is going to be a major part of their industries' futures. Among other things, the survey finds:

#### **Cross-Industry Consensus:**

- ***Wireless is Critical to U.S. Businesses:*** Eighty-seven percent of business leaders surveyed view wireless as very important or essential to their business today.
- ***U.S. Businesses Increasingly Rely on Wireless:*** Nine out of ten surveyed business leaders rely more on wireless today compared to five years ago.
- ***The U.S. Must Be a Leader in 5G:*** Nearly seven out of ten (69 percent) of business leaders surveyed believe the U.S. must be a leader in 5G to stay economically competitive.
- ***5G Will Help Grow U.S. Businesses:*** Eighty percent of surveyed business leaders believe 5G will positively impact their businesses.
- ***Businesses Across Industries are Investing in Wireless:*** Sixty-two percent of surveyed business leaders are planning to invest more in wireless technologies next year.

#### **Impact in Healthcare:**

- ***Better Patient Outcomes:*** Eighty-four percent of surveyed business leaders believe that 5G will generate better patient outcomes through wireless-powered advancements such as remote, real-time patient monitoring and telemedicine.
- ***Reduced Costs:*** More than two-thirds (67 percent) of the business leaders surveyed believe 5G has the ability to reduce medical costs.

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[details/press-releases/industry-leaders-believe-u.s.-must-be-a-global-leader-in-5g-wireless-for-their-business-to-stay-competitive.](#)



#### **Impact in Transportation:**

- ***Safer and Less Congested Roads:*** Eighty-one percent of business leaders surveyed believe 5G-powered autonomous cars will improve roadway safety, reduce traffic congestion and accidents, and save lives.

#### **Impact in Energy:**

- ***Greater Energy Efficiency and Savings:*** Seventy-five percent of surveyed business leaders believe that a wireless-powered smart grid will reduce energy consumption and help consumers and businesses save money on electricity bills.

#### **Impact in Manufacturing:**

- ***Boon to Manufacturing:*** More than seven in ten of survey respondents believe 5G will be very important to manufacturing, from management to production, logistics, and distribution.

This survey of business leader expectations underscores the importance of the Commission's efforts to help the U.S. deliver the next generation of wireless services to American consumers. The combination of sound Commission policies and industry innovation, investment, and deployment will ensure American victory in the race for 5G. CTIA is pleased to provide the Harris survey to help inform the Commission's policymaking and looks forward to working with the Commission to ensure that critical industry segments have access to the wireless services they need to drive the American economy forward.

Pursuant to Section 1.1206(b) of the Commission's rules, a copy of this letter is being electronically submitted into the record of these proceedings. Please do not hesitate to contact the undersigned with any questions.

Sincerely,

/s/ Scott K. Bergmann

Scott K. Bergmann  
Vice President, Regulatory Affairs