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ELECTRONIC FILING

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: *Ex Parte*, WT Docket No. 10-4

Dear Ms. Dortch:

On October 4, 2019, Bruce Lancaster and Jeff Gudewicz of Wilson Electronics, LLC and the undersigned met with Roger Noel, Suzanne Tetreault, and Jaclyn Rosen of the Wireless Telecommunications Bureau and discussed the Commission's proposal to eliminate the personal-use restriction on all Consumer Signal Boosters ("CSBs").

We urged the Commission to adopt a set of criteria that can be used to permit CSBs to be used in particular radio service spectrum bands in the future. That will avoid the need for future rulemakings as new spectrum bands become available for flexible wireless use.

We pointed out that CSBs can play a significant role in the rollout of new 5G networks. We suggested that the Commission permit the use of CSBs in LTE frequency bands 41 (2.5 GHz) and 71 (600 MHz), which will assist carriers in densifying their early 5G networks.

We also discussed that carriers are deploying millimeter wave networks as an integral part of their 5G plans. Millimeter wave transmissions present propagation challenges that can be overcome with the use of CSBs. The Bureau should evaluate the use of CSBs in millimeter wave 5G using the set of criteria adopted in this rulemaking.

We suggested that the Commission's network protection standard for CSBs can be employed to prevent interference to all 5G networks.

We urged the Commission to expedite the elimination of the personal-use restriction. Poor signal does not discriminate between a home or a commercial building. Affordable CSBs provide the best solution for improved in-building cellular connectivity for most small businesses in the United States. We noted that approximately 85% of all the country's commercial buildings are sized at 25,000 square feet or less. CSBs are the most cost-effective means to improve signal coverage in buildings of that size.

Today, carriers recognize the safe and reliable coverage that CSBs provide. Carriers are currently recommending them to their commercial/enterprise customers to help solve weak in-

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building signal strength. If the carriers recognize and recommend CSBs, it is time for the Commission to eliminate the personal-use restriction and allow small businesses to employ CSBs to become more competitive and productive.

Should any questions arise regarding this matter, please direct them to the undersigned.

Very truly yours,

/s/

Russell D. Lukas

cc: Roger Noel
Suzanne Tetreault
Jaclyn Rosen