



September 14, 2016

Ex Parte

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

*Re: Office of Engineering and Technology and Wireless Telecommunications Bureau
Seek Information on Current Trends in LTE-U and LAA Technology, ET Docket No. 15-
105*

Dear Ms. Dortch:

On Monday, September 12, Ericsson employees Christopher Richards, Mark Racek, and Jared Carlson met with Edward “Smitty” Smith, Chairman Wheeler’s Legal Advisor for Wireless, Engineering and Technology, and Incentive Auction, and Julius Knapp, Chief of the Office of Engineering and Technology, and William Hurst, Office of Engineering and Technology, to discuss the current state of development of the LTE-U / Wi-Fi coexistence test plan being developed under the auspices of the Wi-Fi Alliance.

At the meeting, we discussed the delays that have pushed testing LTE-U products far beyond the originally scheduled April time-frame. The delays in arriving at a testing protocol have made it impossible for Ericsson and other companies to launch new products in unlicensed spectrum – instead, we have spent the better part of a year negotiating a sprawling testing regime for devices that comply with the Commission’s Part 15 rules.

We discussed the technological trade-offs in some of the current test proposals, particularly around the Energy Detection threshold. If the threshold is set at a value only barely above the noise floor, it is quite difficult for LTE-U devices to find and use an open channel to obtain reasonable and fair access to the shared radio spectrum, thereby reducing the utility of LTE-U, especially in noisy outdoor environments.



We expressed our hope that the parties can reach an agreement on testing LTE-U devices by September 21, and continue to work in good faith toward that end.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jared Carlson", written over a light blue horizontal line.

Jared M. Carlson
Vice President, Government Affairs and Public Policy
Ericsson

cc:

Julius Knapp
Edward Smith