

March 1, 2016

The Honorable Tom Udall United States Senate 531 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Udall:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

On January 29, 2016, the Office of Engineering and Technology granted Special Temporary Authority ("STA") to Qualcomm to conduct very small scale performance evaluation tests of LTE-U equipment at two Verizon sites in Oklahoma City, O.K. and Raleigh, N.C. The Wi-Fi Alliance recently submitted a letter expressing appreciation for Qualcomm's continued engagement in coexistence work and voiced no objection to the grant of an STA for equipment testing at Verizon facilities. The Wi-Fi Alliance and LTE-U advocates have made significant progress towards developing a test plan to evaluate the coexistence of LTE-U with Wi-Fi and other devices operating in the unlicensed spectrum. We are hopeful that they can resolve the remaining issues and finalize the test plan soon.

While Qualcomm and Verizon have agreed to participate in subsequent laboratory and real world co-existence testing of LTE-U, significant steps remain before LTE-U can be considered for commercial deployment. Experimental LTE-U device operation at any other location would require a new STA. Also, LTE-U devices will require equipment authorization by the FCC Laboratory before they can be marketed in the United States and applicants for certification will be required to submit sample devices for testing.

I believe that with the dedicated efforts of our staff and the cooperation of industry stakeholders, we have already made significant progress and we will continue to move toward a favorable resolution of this matter.

Sincerely,

Com Wheeler



March 1, 2016

The Honorable Brian Schatz United States Senate 722 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Schatz:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

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Tom Wheeler



March 1, 2016

The Honorable Claire McCaskill United States Senate 730 Hart Senate Office Building Washington, D.C. 20510

Dear Senator McCaskill:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

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Sincerely, Man C

Tom Wheeler



March 1, 2016

The Honorable Edward J. Markey United States Senate 255 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Markey:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

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The Man C



#### FEDERAL COMMUNICATIONS COMMISSION Washington

March 1, 2016

The Honorable Maria Cantwell United States Senate 511 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Cantwell:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

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Sincerely,

Wheeler



March 1, 2016

The Honorable Richard Blumenthal United States Senate 706 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Blumenthal:

Given your ongoing interest in LTE-U, I wanted to take this opportunity to update you on the status of our efforts to encourage an industry-driven process to enable fair coexistence between LTE-U and other technologies in the unlicensed bands. As you are aware, the Commission has been actively studying this issue, closely monitoring industry developments, and meeting with stakeholders to encourage common ground solutions to concerns about perceived spectrum sharing problems.

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