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# Qualcomm and SpiderCloud Wireless Announce Development of Small Cells System for Enterprises and Venues Supporting LTE in Unlicensed Spectrum

SAN DIEGO, Feb. 18, 2016 /PRNewswire/ -- Qualcomm Incorporated (NASDAQ:QCOM) through its subsidiary, Qualcomm Technologies, Inc., and SpiderCloud Wireless, a leading provider of scalable small cell systems, announced today the planned development of LTE-U, LTE-LAA, and MulteFire™ systems for enterprises and public venues. This development combines Qualcomm Technologies' small cell baseband chipsets and leadership in LTE-U, LAA and MulteFire technologies with SpiderCloud's market-proven scalable small cell systems.

These SpiderCloud systems will be among the first to seamlessly deliver LTE capacity over unlicensed spectrum in large indoor environments, such as offices, university campuses, hospitals, hotels, shopping centers and sport venues. They will be based on SpiderCloud's Enterprise RAN (E-RAN) architecture that includes a Services Node controlling up to 100 self-organizing LTE small cells, capable of delivering coverage and capacity in indoor locations as large as 1.5 million square feet. Verizon will trial SpiderCloud's LTE-U system in the third quarter of 2016.

SpiderCloud's systems are enabled with Qualcomm Technologies' latest LTE technology including aggregation of licensed and unlicensed spectrum on Qualcomm Technologies' highly integrated FSM™ SoC platforms, which include the FSM9900. The FSM9900 is a 28nm small cell SoC that supports multimode operation (LTE, UMTS) and LTE-Advanced features, such as LTE carrier aggregation. It also supports features such as digital pre-distortion and others designed to reduce power consumption, helping enable full-featured small cells for indoor deployments. SpiderCloud expects to utilize the FSM9900 across other products on its portfolio.

The collaboration will enable a robust long-term roadmap for dense and scalable small cell deployments, including LAA, MulteFire and neutral host LTE solutions. To support its development and commercialization of MulteFire, SpiderCloud has joined the MulteFire Alliance.

"SpiderCloud shares Qualcomm Technologies' vision that small cells will be crucial in addressing the 1000x mobile data challenge," said Mike Gallagher, chief executive officer, SpiderCloud. "Our relationship with Qualcomm Technologies allows us to offer mobile operators with easy-to-deploy and easy-to-integrate LTE small cells solutions."

"Operators worldwide are increasingly demanding LTE infrastructure solutions that make best use of both licensed and unlicensed spectrum bands," said Neville Meijers, vice president, business development, Qualcomm Technologies, Inc. "We are pleased to join forces with SpiderCloud in developing a roadmap of small cells expected to meet and exceed operator needs."

## About Qualcomm Incorporated

Qualcomm Incorporated (NASDAQ: QCOM) is a world leader in 3G, 4G and next-generation wireless technologies. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its products and services businesses, including its semiconductor business, QCT. For more than 30 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's [website](#), [OnQ blog](#), [Twitter](#) and [Facebook](#) pages.

## About SpiderCloud Wireless

SpiderCloud Wireless develops breakthrough, small cell network platforms that allow mobile operators to deliver unprecedented cellular coverage, capacity and smart applications to enterprises. Customers include América Móvil (Telcel), EE with Cisco, Verizon, Vodafone UK, Vodafone Netherlands, and Warid Telecom, among others. SpiderCloud Wireless is backed by investors Charles River Ventures, Matrix Partners, Opus Capital and Shasta Ventures. SpiderCloud Wireless is a registered trademark and SmartCloud a trademark of SpiderCloud Wireless, Inc. © 2015 SpiderCloud Wireless, Inc. For more information visit [www.spidercloud.com](http://www.spidercloud.com) and follow SpiderCloud on Twitter [http://twitter.com/spidercloud\\_inc](http://twitter.com/spidercloud_inc)

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Qualcomm Contacts:

Pete Lancia, Corporate Communications

Phone: 1-858-845-5959

Email: [corpcomm@qualcomm.com](mailto:corpcomm@qualcomm.com)

Warren Kneeshaw, Investor Relations

Phone: 1-858-658-4813

Email: [ir@qualcomm.com](mailto:ir@qualcomm.com)

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