

Cisco Systems, Inc,
170 West Tasman Drive
San Jose, CA. 95134
July 29, 2015

Mr. Knapp
Office of Engineering and Technology
Federal Communications Commission
445 12th Street South West
Washington, DC 20554

Dear Mr. Knapp:

Cisco Systems, Inc. respectfully seeks Experimental Special Temporary Authority (STA) from the Federal Communications Commission (FCC) to operate in the 700 MHz band Public Safety spectrum to demonstrate Long Term Evolution (LTE) equipment. Specifically, we request use of the 758-768 MHz downlink and 788-798 MHz uplink (Band class 14), currently nationally licensed to the First Responder Network Authority (FirstNet).

Purpose:

If granted, the experimental license will be used to demonstrate wireless technologies related to the public safety community at the IWCE show in Las Vegas, Nevada.

The STA will serve the public interest by allowing attendees the ability to receive hands on demonstrations of LTE Band 14 technology and experience the latest innovations that FirstNet may enable for their public safety networks in the immediate future.

Limited Use of Equipment Exclusively for Demonstration Purposes:

This demonstration system will not be used in mission-critical operations or in the delivery of live transmissions in the duties to protect life, property or safety. The equipment shall include one temporary LTE base station and two omnidirectional antennas and up to four subscriber units. The equipment shall be operating from the Cisco Systems display space for demonstration purposes only. Typical operations shall occur during normal business hours and a typical demonstration shall last no more than four days.

Absence of Interference Concerns:

Cisco Systems, Inc. understand that FirstNet is the licensed primary user of this spectrum allocation and that, by granting this request for STA, the Commission is only permitting shared use of the spectrum for short term demonstrations and that those demonstrations may not interfere with the primary spectrum user (Firstnet). Information from the FCC's ULS database shall be analyzed before each deployment and a determination made that proposed operation will not interfere with or create a significant potential for interference with any public safety operations in the 700 MHz band. Demonstrations shall be

conducted with the system tuned to emit the minimum power required for effective communications and limited to 250mW.

Cisco Systems Equipment Engineers:

Cisco Systems, Inc. shall maintain a contact list of the system engineers in the event of any unforeseen interference issues. The current list includes:

Rakesh C. Bharania rbharani@cisco.com 170 West Tasman Drive, San Jose, CA. 95134

Kevin P. McFadden kmcfadde@cisco.com 13536 Dulles Technology Drive, Herndon, VA. 20171

Richard M. Santina rsantina@cisco.com 170 West Tasman Drive, San Jose, CA. 95134

For the foregoing reasons and with the above stipulations in mind, Cisco Systems, Inc. respectfully requests that the Commission grant the requested STA for the purpose of demonstrating LTE Band 14 equipment and the capability it can bring to FirstNet.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. M. Santina', with a stylized flourish at the end.

Richard M. Santina
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