

*Cisco Systems
13536 Dulles Technology Drive
Herndon, VA 20171*

January 27, 2014

VIA ELECTRONIC FILING

Julius Knapp Chief
Office of Engineering and Technology
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Re: Request for Special Temporary Authority for Demonstration at the 2014 International Wireless Communications Expo (IWCE) Experimental File No. 0061-EX-ST-2014

Dear Mr. Knapp:

Cisco Systems respectfully seeks Experimental Special Temporary Authority ("STA") from the Federal Communications Commission ("FCC") to operate in the 700 MHz band public safety spectrum, using the 758-768 MHz for downlink and 788-798 MHz for uplink, to demonstrate Long Term Evolution ("LTE") equipment at the 2014 IWCE Conference in Las Vegas, NV.

Cisco Systems requests authority to operate over the 758-768/788-798 MHz band, which is currently licensed on a nationwide basis 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 on the exhibit floor of the Las Vegas Convention Center. Operation will only be conducted indoors during the conference business hours and will be confined to the limits of the Cisco Systems booth.

The Experimental STA will serve the public interest by providing IWCE attendees with an opportunity to test and receive an introductory knowledge of the potential benefits and capabilities of a Band 14 LTE public safety network.

Limited Use of Equipment Exclusively for Demonstration Purposes:

This demonstration by Cisco Systems will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property, or safety. The equipment will include one temporary LTE base station (Public Wireless model PW100 Pico Cell) with two omnidirectional antennas and two subscriber units (Elektrobit smartphone model H3), all operating within the Cisco Systems booth for demonstration purposes only. Operation will occur between March 24 and 28, 2014 which will allow time for setup and testing, demonstrations and teardown.

STA Disclaimer:

Cisco understands that this STA will be granted for no more than the duration of the IWCE conference and will not attempt to renew this STA. If additional demonstration time is desired, a new STA request will be submitted.

Absence of Interference Concerns:

Information from the FCC's ULS databases has been analyzed and it is determined that the proposed operation would not interfere or create a significant potential for interference with any public safety operations in the 700 MHz band. There were no active public safety licenses granted in the Anaheim area on frequencies that are co-channel to those proposed in this request in which we propose to operate on.

Cisco understands that the requested experimental authority only permits shared use of radio frequencies and it may have to coordinate with other conference attendees using radio frequencies. It is possible that FirstNet may issue similar concurrences to other applicants attending the conference. Cisco understands that other IWCE exhibitors may be operating on the same spectrum within the Las Vegas Convention Center. Cisco will address any interference concerns directly with those exhibitors.

For the foregoing reasons, Cisco Systems respectfully requests that the Commission grant the requested Experimental STA for the purpose of demonstrating LTE equipment at the IWCE Conference.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin P. McFadden". The signature is fluid and cursive, with a large, stylized "K" and "M".

Kevin P. McFadden
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