

February 9th, 2015

VIA ELECTRONIC FILING

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

**Re: *Special Temporary Authority for Demonstrations at the International
Wireless Communications Expo (IWCE 2015)***

Dear Ms. Dortch:

Alcatel-Lucent seeks Experimental Special Temporary Authority (“STA”) from the Federal Communications Commission (“Commission”) to use the public safety spectrum in the 700 MHz Band 14 to demonstrate Long Term Evolution (“LTE”) equipment in Las Vegas, Nevada in conjunction with IWCE 2015 (International Wireless Communications Expo), which will take place March 18th – March 19th.

The demonstration will conform to the following parameters:

1. Operation will be confined to the vicinity of the Las Vegas Convention Center 3150 Paradise Road, Las Vegas, Nevada 89109. The equipment for these operations will include one base station and associated antenna located at the demonstration site, along-with a maximum of 10 end user devices (portable units) operating at no more than 1.0 kilometers from the base site.
2. Alcatel-Lucent 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”).
3. Operation will occur between March 16th – March 20th, allowing time for setup and testing, demonstrations, and teardown.
4. This Experimental STA cannot be renewed. To the extent Alcatel-Lucent would like to obtain additional Experimental STA use of the radio frequencies licensed to FirstNet, beyond the period specified above, Alcatel-Lucent must file a separate request with the FCC.
5. Alcatel-Lucent has analyzed information from the FCC’s ULS databases and has 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.

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Specifically, we found no active public safety licenses authorizing operation in the Las Vegas area on frequencies that are co-channel to those proposed in this STA request.

6. Temporary operations pursuant to this Experimental STA will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property, or safety.
7. 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.
8. Alcatel-Lucent will work with other STA applicants that will be attending the conference to coordinate sharing spectrum to avoid any interference issues between vendors.

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

Respectfully submitted,

/s/

Glenn A Steitz
Senior Manager
Demonstrations and New Technology
Introduction