

11 February 2013

Julius Knapp
Chief Engineer
Office of Engineering and Technology
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: *Special Temporary Authority for Demonstration at the International
Wireless Communications Expo*

Dear Mr. Knapp:

Raytheon respectfully requests that the Federal Communications Commission ("FCC") allow operation in the 700 MHz Public Safety spectrum to demonstrate Long Term Evolution ("LTE") equipment and devices in Las Vegas, Nevada in conjunction with the International Wireless Communications Expo ("IWCE"), which will take place March 11 to March 15, 2013. We specifically seek authority to use the 700 MHz Band 14 spectrum, 758-768/788-798.

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 89109-3000. The equipment for these operations will include one Alcatel-Lucent base station and associated antenna located at the demonstration site, along with a small number of portable units operating at no more than 1.0 kilometers from the base site.
2. Raytheon 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 11, 2013 and March 15, 2013, allowing time for setup and testing, demonstrations, and teardown.
4. This Experimental STA cannot be renewed. To the extent Raytheon would like to obtain additional Experimental STA use of the radio frequencies licensed to FirstNet, beyond the period specified above, Raytheon must file a separate request with the FCC.
5. Raytheon 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. 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.

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

Respectfully submitted,

Greg A. Noneman
Sr. Systems Engineer
Raytheon Network Centric Systems

CC: Genaro Fullano, FCC
Regina Harrison, NTIA