



Raytheon Company
Integrated Defense Systems
11899 Woodruff Ave
Downey, CA 90241
U.S.A.

22 July 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 Association of
Public-Safety Communications Officials (APCO) Conference and
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 Anaheim, California in conjunction with the Association of Public-Safety Communications Officials ("APCO") Conference, which will take place August 18 to August 21, 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 showroom floor of the Anaheim Convention Center 800 West Katella Ave, Anaheim, CA 92802 and will be conducted only during expo business hours. The equipment for these operations will include one Nokia Siemens base station and associated antenna located at the demonstration site, along-with a small number of portable units. Power levels of the equipment will be reduced sufficiently to limit coverage to the Raytheon booth area.
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 August 17, 2013 and August 21, 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 Anaheim, CA area on frequencies that are co-channel to those proposed in this STA request.
6. Raytheon understands that multiple APCO vendors will be operating in the same frequency spectrum within convention center during the expo. It will actively work with the other vendors to assure that interference to/from the other vendors is minimized.
7. 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.
8. The Experimental STA will serve the public interest by providing APCO 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 APCO Conference.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Greg A. Noneman".

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

CC: Genaro Fullano, FCC
Regina Harrison, NTIA