

May 31, 2013

Re: *FCC File No. 0331-EX-PL-2013*

This exhibit is being provided to summarize the intent and objectives of the operations for the Experimental Radio Service license being requested in the referenced FCC File Number. In addition to this narrative, an application cover letter is being supplied as an exhibit to the Form 442 application.

Raytheon is requesting a 12 month grant of an experimental license in the 700 MHz (Band 14) public safety broadband spectrum. The license is to be used for development and demonstration of Long Term Evolution (LTE) systems. Raytheon is a system integrator that will illustrate multivendor approaches for providing broadband data communications to the public safety sector in the Southern California region. Raytheon will offer an LTE network within its Public Safety Regional Technology Center (RTC) facility in Downey, California and provide coverage over a limited radius (2 km) around the facility on a strictly noninterference basis. The primary purpose of the facility is to expose the public safety community to the capabilities of broadband communications and to solicit their inputs on how best to evolve broadband systems to better meet the needs of the first responder.

As stated above, Raytheon plans on demonstration of systems comprised of equipment from multiple vendors. The first test network consists of an Alcatel Lucent Model 9412 base station with multiple low power subscriber units. Several other equipment manufacturers have expressed interest in participating in the demonstration venue of the RTC.

Raytheon is also teaming with academia in the pursuit of high standards for LTE equipment, devices and applications. The University of California, Los Angeles (UCLA) is collaborating with Raytheon in the development and test of related equipment and applications to assure the public safety community has the best opportunity to obtain equipment and services that meet their needs. Close proximity between UCLA and the Raytheon RTC facility in Downey allows for the seamless collaboration between industry and academia.

Granting the experimental license request will allow Raytheon and UCLA to assist the Southern California Public Safety community by:

- Providing a local venue for demonstration of equipment and applications
- Allowing their participation in LTE development and testing
- Providing feedback to manufacturers for equipment and network optimization