

Raytheon Request for FCC Special Temporary Authorization (STA)

STA File Number 0193-EX-ST-2014

March 5, 2014

FAA Coordination Serial Number:

9148.5 MHz NG T140139

9151.25MHz NG T140140

FAA POC:

Dan ORear

ATO Western Service Area

(425)227-2637

Purpose of Operation:

Frequency authorization is being requested for the period of March 24, 2014 – September 24, 2014 in the 9.15 GHz band in order to demonstrate the operation of a prototype radar system.

This radar demonstration is intended to show maturity of key technologies designed and developed by Raytheon. It is essential that radar performance be demonstrated in a real-time radar environment similar to the proposed radar system. Testing in real-time environments with realistic target profiles is needed to fully prepare for a demonstration to the customer.

STA Explanation:

The Low Power Radar (LPR) is planned to be operated at the Raytheon Facility in Sudbury, MA over the period of March 24, 2014 – September 24, 2014. The purpose of this request for Special Temporary Authorization is to demonstrate the maturity of our system concept and technology to the customer.

Test Summary:

An experimental license is required to demonstrate the operation of a prototype radar system to our customer. Prototype radar demonstration validation trials and dry runs are planned to start on March 24, 2014.