

From: Whatcott Neal

To: Doug Young

Date: June 18, 2012

Subject: Request for Info - File #0302-EX-PL-2012

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Message:

(I have also submitted the information below with diagrams as an attachment)

Form 442 Confirmation number: EL454526

Form 442 File Number: 0302-EX-PL-2012

Date of Submission: 2012-06-18

Responses to :

Procedures and Principles for the Assignment and Coordination of Frequencies

8.3.28 Use of Fixed Devices That Re-Radiate Signals Received From the Global Positioning System  
Except as otherwise authorized under Part 7.14, federal agencies and departments may, under the following conditions, operate fixed devices that re-radiate signals received from the Global Positioning System (GPS).

1. Individual authorization is for indoor use only, and is required for each device at a specific site.

Applicant Response: The GPS re-radiator unit is permanently located at the ceiling level of a controlled access electronics lab, on the second floor of the Goodrich SIS, Burnsville North facility at 2900 West County Road 42, #160, Burnsville, MN, 55337. This location is strictly an indoor lab space located approximately 45 feet in from the West wall of the building.

5. The area of potential interference to GPS reception (e.g., military or contractor facility) has to be under the control of the user.

Applicant Response: The GPS re-radiator unit has a 100 foot perimeter of emissions (not greater than -140 dBm) that is completely within the Goodrich SIS Burnsville North facility and its West side parking area. No other organizations, contractors, or businesses exist within this footprint.

7. GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.

Applicant Response: There are no other GPS users in the area of potential interference. All Goodrich personnel at the facility have been notified of the presence of this GPS re-radiator.

8. The use is limited to activity for the purpose of testing RNSS equipment/systems.

Applicant Response: The specific use of this GPS re-radiator installation is the development and testing of GPS Guidance and Navigation hardware for use in Precision Munitions equipment/systems.

9. A Stop Buzzer point of contact for the authorized device must be identified and available at all times during GPS re-radiation operation of the device under any condition.

Applicant Response: The GPS re-radiator operation is strictly controlled and only powered during actual testing of RNSS equipment and systems. During all periods of GPS re-radiation operation, the point of contact is: Neal Whatcott, Principle Engineer, Goodrich SIS, office phone ? 952.892.8261, cell phone ? 612.807.2885, e-mail ? neal.whatcott@goodrich.com.