

In accordance with NTIA manual section 8.3.28, please address each item from 1 through 9 and attach your response as correspondence to this email. Please provide a detailed calculation(s) for the link budget specified on item 6 of section 8.3.28.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 08/08/2012 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet by visiting The OET Experimental Licensing System, followed by clicking on the "Reply to Correspondence" hyperlink.

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. The test equipment shall only be used indoors and shall be under the control of the Lockheed Martin Corporation.

2. Applications for frequency assignment should be applied for as an XT station class with a note indicating the device is to be used as an "Experimental RNSS Test Equipment for the purpose of testing GPS receivers" and describing how the device will be used.

The application is for station class FX. This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the Naval Sea Systems Command; contract number N0024-05-C-5117. Please reference WE2XLW (expired). New stations were added to this application.

3. Approved applications for frequency assignment will be entered in the GMF.

We acknowledge the approved application will be entered into the Government Master File (Classified CONFIDENTIAL).

4. The maximum length of the assignment will be two years, with possible renewal.

Requesting the maximum assignment length of two years.

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

The Lockheed Martin Corporation shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."

6. The maximum equivalent isotropically radiated power (EIRP) must be such that the calculated emissions are no greater than -140 dBm/24 MHz as received by an isotropic antenna at a distance of 100 feet (30 meters) from the building where the test is being conducted. The calculations showing compliance with this requirement must be provided with the application for frequency assignment and should be based on free space propagation with no allowance for additional attenuation (e.g., building attenuation.)

EIRP is no greater than -140 dBm/24 MHz at 100 feet.

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.

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

Operation is limited to activity for the purpose of testing radio navigation satellite service (RNSS) equipment and 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.
The designated point-of-contact to terminate transmissions if interference occurs is
Mr. Tim Ring at Office 407-356-4424.