

1. Individual authorization is for indoor use only, and is required for each device at a specific site.
 - Acknowledge. This request is for indoor use only.
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.
 - Acknowledge. Please see the attached Narrative Statement.pdf document.
3. Approved applications for frequency assignment will be entered in the GMF.
 - Acknowledge.
4. The maximum length of the assignment will be two years, with possible renewal.
 - Acknowledge.
5. The area of potential interference to GPS reception (e.g., military or contractor facility) has to be under the control of the user.
 - Acknowledge. The location where the device will be operated in is under the control of Raytheon. Raytheon have company policies regarding how we operate RF equipment as to not interfere with other entities.
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.)
 - Acknowledge. The calculated power is -162.93dBm at 30m away from the transmitting antenna. Please see the attached Radiated Power Calculation file for reference calculation.
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.
 - Acknowledge. We have signs posted in the affected areas.
8. The use is limited to activity for the purpose of testing RNSS equipment/systems.
 - Acknowledge. We will only use this license for the sole purpose of testing GPS receivers.
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.
 - We have identified the following POC that will be available while operating the GPS re-radiator:
 - ❖ Andrew Tran
 - ❖ Phone: 703-345-1307