

Exhibit 2 – Section 8.3.28 of NTIA Manual

Use of Fixed Devices That Re-Radiate Signals Received From the Global Positioning System

1. Individual authorization is for indoor use only, and is required for each device at a specific site.
This request is for 5 systems, all are indoor applications located in 740 through 748 Pinecrest Drive, Prospect Heights, IL 60070 (The buildings are together with separate entrances)
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.
Each repeater will be utilized to test GPS receivers.
3. Approved applications for frequency assignment will be entered in the GMF.
Expected
4. The maximum length of the assignment will be two years, with possible renewal.
It is understood the license will require review and renewal after 2 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.
All GPS test equipment is located within the Kranze Technology Solutions (KTS) facilities and is under control of KTS.
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 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.)
See "Exhibit 3 - New Calculation Compliance with NTIA Guidelines.pdf"
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.
GPS users within the interference risk area will be fully informed of the operation of local GPS re-rad systems.
8. The use is limited to activity for the purpose of testing RNSS equipment/systems.
Yes
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.
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