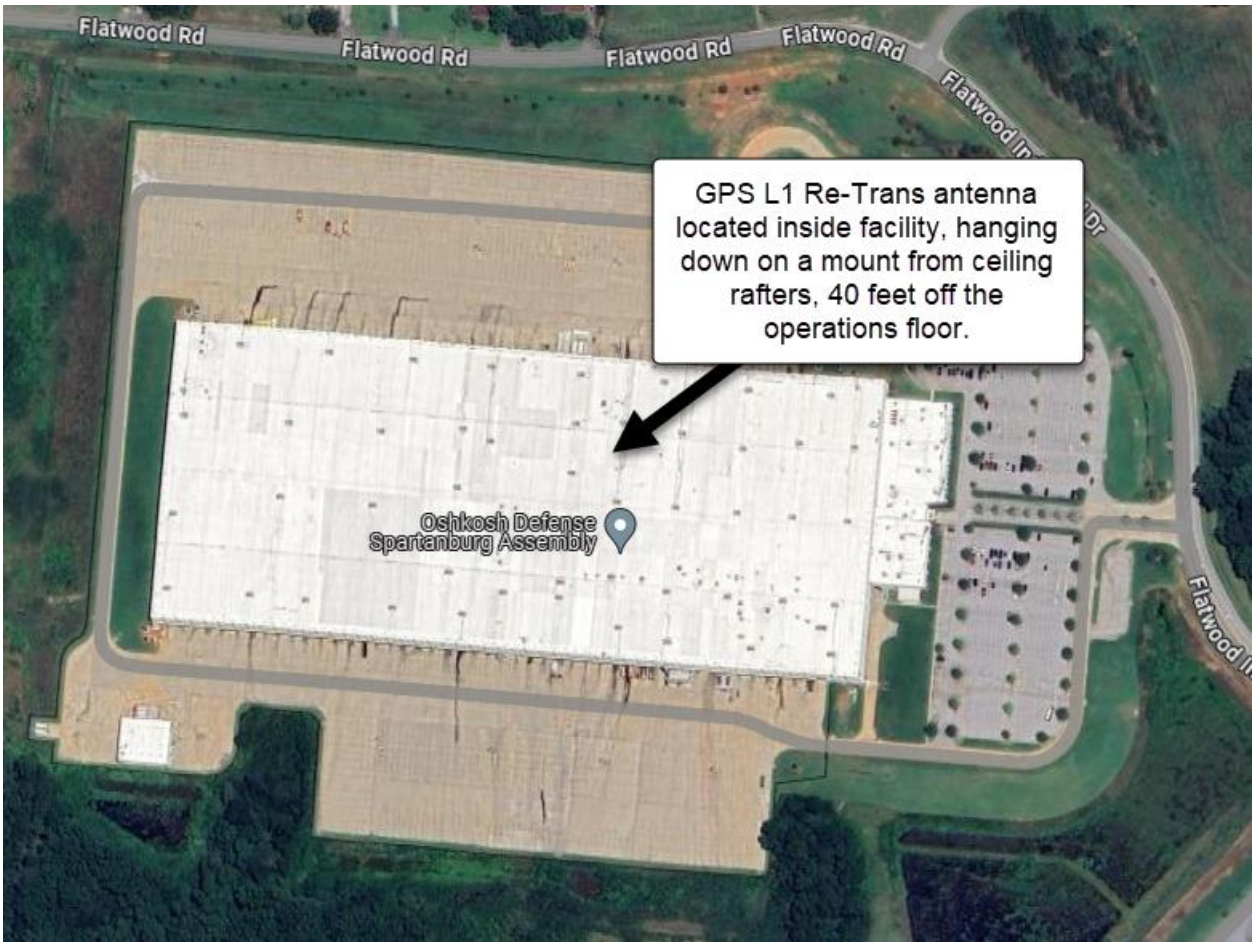
For GPS Re-Radiate system for the Oshkosh Corp Spartanburg facility.

1. Provide Clarification Questions (Section 8.3.28 Clarification Questions of Use of Fixed Devices that Re-Radiate Signals Received from a GPS Antenna)

1. Individual authorization is for indoor use only and is required for each device at a specific site.
    a. YES
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.
    a. YES
3. Approved applications for frequency assignment will be entered in the GMF.
    a. YES
4. The maximum length of the assignment will be two years, with possible renewal.
    a. YES
5. The area of potential interference to GPS reception (e.g., military or contractor facility) has to be under the control of the user.
    a. YES
6. The maximum equivalent isotopically 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.)
    a. SEE EXISTING EXHIBIT FOR EIRP CALCULATIONS-or copy of calculation.
7. GPS users around potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
    a. Yes
8. The use is limited to activity for the purpose of testing RNSS equipment/systems.
    a. 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.
    a. YES—Contact Information is accurate and up-to-date.
    b. Raymond Ryan, RRyan@oshkoshcorp.com 1-920-267-1846

4. Provide Antenna Location
    a. The L1RRKPA-S passive XMT antenna is located inside the production building at 789 Flatwood Industrial Dr. Spartanburg South Carolina. 35Deg01’58’N lat, 81Deg54’47’W long
5. Provide Application Narrative
    a. The intended use is to support our manufacturing facility where electronic systems that use GPS, at the component level, need to be configured, confirmed operational, tested and or repaired before it can be consumed by the assembly line. We need a way to receive GPS inside the manufacturing building to multiple workstations during this process, as there is no GPS signal receivable inside this building. The site is the Oshkosh Defense, Spartanburg facility, 789 Flatwood Industrial Dr. Spartanburg South Carolina. The facility provides systems to support the new USPS trucks. It is a fixed indoor sight with the redirector antenna 8 meters or so off the floor aiming downward, over the component setup and programing stations.


Flatwood Rd
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GPS L1 Re-Trans antenna located inside facility, hanging down on a mount from ceiling rafters, 40 feet off the operations floor.
Oshkosh Defense
Spartanburg Assembly


GPS Re-trans unit, power supply and mount.