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Federal Communications Commissions
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Application Narrative for Proposed Special Equipment

Proposed Program

Numerous Goodrich ATS customers have GPS systems installed on their Aircraft. After customer check programs are complete there is often a requirement to check the functionality of the GPS system. We propose to install three GPS Repeater Kits (GPSRK) purchased from GPS Source (211 Jones, Pueblo, CO 81004 Phone: 719-561-9520) that will be utilized in three places in two hangars. (See attached drawing) The GPS repeated signal will allow Aircraft that use GPS to be checked in our two hangars for system operation. Without these repeaters we would normally move the aircraft outside for line of site operation which is often not present due to the size and location of the two hangars. The same operation could be performed inside the two hangars without difficulty by repeating the GPS signal.

The use of the GPS repeaters will drastically cut down the time spent moving Aircraft in and out or around the hangar to complete operational readiness of an aircrafts GPS system. This will allow greater efficiency with every task and lower operational costs 100% of the time.

Objectives

1. Re-radiate GPS Signals inside two hangars.
2. Determine suitability of listed equipment used in our facilities.