

BAE Systems Information and Electronic Systems
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FEDERAL COMMUNICATIONS COMMISSION
1270 Fairfield Road
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Application Narrative for Proposed Special Equipment Program

Proposed Program

BAE Systems requires a GPS signal inside the ISO Container and Construction Trailer identified on the overhead layout attachment. Maintaining a reliable GPS Signal is critical for BAE Systems operations at this location.

The proposed set up is already in use and specified in the original application to re-radiate GPS Signals (WD2XTF). The proposed equipment is of identical design and power to the kit manufactured by GPS Source which has been licensed to re-radiate in their test lab.

GPS Repeater Kit P/N: HNRRKIT-N/5/110

Objectives

We seek to accomplish the following objectives:

1. Illumination of our development and test areas with GPS Signals
2. Further design, development and enhancement of existing systems and new product testing
3. Ability to troubleshoot and repair systems indoors

Contribution to Radio Art

Projects are currently under way at BAE Systems to provide better and more useful methods to incorporate GPS-derived information (position, speed, and heading) in a variety of innovative applications.