

DS Technologies LLC
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FEDERAL COMMUNICATIONS COMMISSION
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Application Narrative for Proposed Special Equipment Program

Proposed Program

DS Technologies' line of business is systems integration and test, as well as other business consulting functions. With the steady increase in GPS requirements in all facets of our business, it is our intent to incorporate GPS capabilities and expertise into our platform to further enhance their benefit and usefulness to our customers. Our proposed set up is already in use and specified in the approved application to re-radiate GPS Signals (WD2XTF). We propose to install the GPS re-radiating equipment at our development and test laboratory to allow reception of GPS signals within this facility.

The proposed equipment is of a design and power output similar to a kit which has been licensed (WD2XTF) to re-radiate in their test lab.

GPS Repeater Kit P/N: HNRRKIT-N/5/110
GPS Roof Antenna: L1GPSA-N

Objectives

We seek to accomplish the following objectives:

1. Illumination of an aircraft hangar with re-radiated GPS Signals
2. Further design, development and enhancement of GPS systems
3. Ability to troubleshoot and analyze GPS equipment inside the hangar

Contribution to Radio Art

Projects are currently under way at DS Technologies to provide better and more useful GPS devices to incorporate GPS-derived information (position, speed, and heading) in a variety of innovative applications to improve state-of-art testing and quality control measurement equipment.