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FEDERAL COMMUNICATIONS COMMISSION
1270 Fairfield Road
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Application Narrative for Proposed Special Equipment Program

Proposed Program

GPS Source is the Original Equipment Manufacturer (OEM) of several GPS devices, including GPS Repeater Kits used by the US Federal Government, Military Branches and other federal agencies. Our equipment is in use by Union Pacific Railroad and specified in their approved application to re-radiate GPS signals (WD2XDG). We propose to install our own GPS re-radiating equipment at our development and test laboratory to allow reception of GPS signals within this facility.

The proposed equipment that we manufacture at GPS Source (2211 Jones Ave, Pueblo, CO 81004), is of a design and power output similar to a kit manufactured by GPS Networking, which has been licensed (WC2XSA) to re-radiate GPS signals in convention halls.

GPS Repeater Kit P/N: GPSRKL1-P110/5
GPS Repeater Antenna P/N: L1P2
Active Roof Antenna P/N: L1ACE

Objectives

We seek to accomplish the following objectives:

1. Illumination of our development and test laboratory with re-radiated GPS signals;
2. Further design, development and enhancement of existing products and new product testing
3. Ability to troubleshoot and repair previously manufactured equipment

Contribution to the Radio Art

Projects are under way at GPS Source to provide better and more useful GPS devices to use GPS-derived information (position, speed, and heading) in a variety of innovative applications