



Biosciences

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FEDERAL COMMUNICATION COMMISSION
445 12th Street, SW
Washington, DC 20554

Application Narrative for Proposed Experimental License

Program Description

LI-COR Biosciences designs, tests and manufactures environmental and biotechnology instrumentation. Our environmental instrumentation includes trace gas analyzers for greenhouse gases that incorporate both NDIR and laser based technologies as well as light sensors, data loggers, and leaf area meters. We propose to install GPS signal re-radiating equipment at our environmental manufacturing facility to allow reception of GPS signals within this facility.

The original equipment manufacturer (OEM) of the proposed equipment we intend to use is GPS Source (64 N. Mission Dr., Pueblo West, CO 81007). GPS Source Inc., has previously applied and been granted an experimental license using equipment similar to what we are proposing. They were granted an experimental license under call sign WD2XTF. Because LI-COR is not the original equipment manufacturer (OEM) of the GPS re-radiating equipment, all reported technical data has been provided by GPS Source Inc.

Proposed Equipment

GPS Repeater Kit P/N: GPSRKL1-P110/5
GPS Repeater Transmitting Antenna P/N: L1AP

Objectives

We seek to accomplish the following objectives:

- 1) Illumination of our manufacturing and tech support area with re-radiated GPS signals
- 2) Test installation of GPS receiver modules in instrumentation manufactured by LI-COR Biosciences
- 3) Ability to troubleshoot instrumentation returned for maintenance purposes