



METER

FEDERAL COMMUNICATIONS COMMISSION
1270 Fairfield Road Gettysburg,
PA 17325-7245

Application Narrative for Proposed Special Equipment Program

Proposed Program

METER is the Original Equipment Manufacturer (OEM) of several GPS-enabled sensor-monitoring devices. These devices are typically used to measure environmental conditions such as soil moisture or weather data. Agricultural researchers in private and public universities as well as federal agencies use our equipment. Commercial growers in crops and horticulture also use this equipment.

We propose to install GPS re-radiating equipment at our development and manufacturing location to allow reception of GPS signals within this facility. This will greatly streamline testing of each device with an integrated GPS receiver and embedded chip antenna.

GPS Repeater Kit P/N: GNSS-L1G1 made by ROGER-GPS, represented in the USA by Steffe's & Company, LLC.

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 test each device we manufacture.
4. Ability to troubleshoot and repair previously manufactured equipment

Contribution to the Radio Art Projects

Embedding GPS receivers in stationary field data loggers allow our customers important metadata about the data they are collecting including location and precision time stamps.