

GM ONSTAR
GM VALIDATION CENTER
30001 Van Dyke Ave
Detroit MI 48243

FEDERAL COMMUNICATIONS COMMISSION
1270 Fairfield Road
Gettysburg PA 17325-7245

Application Narrative for Proposed Special Equipment Program

Proposed Program

The GM Validation Center is a General Motors facility in Warren, Michigan. The campus is home to 16,000 GM engineers, designers, and technicians and has been the center of the company's engineering effort for 50 years. GPS navigational systems are developed and tested in this facility. Bringing the GPS Signal inside these testing rooms will greatly enhance the ability to more efficiently and effectively test, manage and develop these systems.

Our proposed set up is already in use and specified in the approved application to re-radiate GPS Signals (WD2XTF). The proposed equipment is of a design and power output identical to that kit 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 products and new product testing
3. Ability to troubleshoot and repair previously manufactured equipment

Contribution to Radio Art

Projects are currently under way at GM ONSTAR to provide better and more useful GPS navigational systems to incorporate GPS-derived information (position, speed, and heading) in a variety of innovative applications to improve vehicular navigational systems.