

GM ONSTAR
400 Renaissance Ave
Detroit MI 48243

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

Proposed Program

GM Onstar has a very large manufacturing/production/assembly plant in Detroit Michigan. They develop and test GPS technology as it relates to automobile navigational equipment and install these systems in automobiles.

The GPS navigational systems are installed and tested in this facility in addition to maintenance on these same systems when required. GM Onstar is always testing and utilizing new technologies in the hopes of delivering further enhancements to the current navigational systems. Bringing the GPS Signal inside these testing rooms will greatly enhance the ability to install and conduct comprehensive testing and development of 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.