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Intel Corporation
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FEDERAL COMMUNICATIONS COMMISSION

1270 Fairfield Road
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Application Narrative for Proposed Special Equipment Program

Proposed Program

With seven buildings totaling over 1.5 million square feet of office, test floor and lab space, Intel Folsom is one of the largest Intel sites. As a research and development campus, Folsom employees create, test and validate the next generation of chips and chipsets, including desktop, mobile, and server processor products. At Intel, we are constantly designing the latest innovative and cutting edge chips and chipsets that continue pushing technology forward towards faster and more powerful computing solutions.

With the dramatic increase in GPS enabled products worldwide, Intel is proud to offer GPS capabilities in all of their current product lines. In order to further develop, test and research new and more efficient means of utilizing and maximizing GPS technologies and benefits, our state of the art R&D facility requires a method of providing a safe and reliable GPS signal. With the arrival of a live GPS signal in our research and development lab area, we will be better able design, develop and reliably test these innovative location based GPS applications with much greater efficiency and reliability than would ever be possible in an outdoor environment. Therefore, Intel Corporation requires a GPS signal in its facility to maintain the ability to further its research and experimentation to enhance existing GPS functionality in its products in addition to the development and testing of new applications.

Objectives:

1. The Illumination of only a specific R&D laboratory area with a low power GPS signal over a specified area solely for the continued testing and experimentation of GPS enabled applications in our latest chips and chipsets
2. Further design, development and enhancement of existing GPS applications to provide greater efficiency and more effective means of utilizing GPS derived information in future products
3. Ability to troubleshoot and repair GPS enabled applications without having to endure the costly time and expense to relocate equipment to a less effective environment