

April 10, 2012
Benchmark Electronics, Inc.
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FEDERAL COMMUNICATIONS COMMISSION
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Application Narrative for Proposed Special Equipment Program

Proposed Program

Benchmark Electronics, Inc. is in the business of manufacturing electronics and providing services to original equipment manufacturers (OEMs) of telecommunication equipment, computers and related products for business enterprises, industrial control equipment, testing and instrumentation products and medical devices. The services that we provide are commonly referred to as electronics manufacturing services (EMS). We offer our customers comprehensive and integrated design and manufacturing services, from initial product design to volume production and direct order fulfillment. We provide specialized engineering services including product design, printed circuit board layout, prototyping, and test development.

Benchmark is currently working with General Dynamics C4 Systems, a business unit of General Dynamics. General Dynamics C4 Systems is a leading integrator of secure communication and information systems and technology. The company is a market leader in business aviation; land and expeditionary combat systems, armaments and munitions; shipbuilding and marine systems; and information systems and technologies.

Benchmark has been contracted to assemble and test the performance of a product which is utilized by the US Military to provide secure communication to soldiers on the tactical edge of the battlefield. This product also has GPS capability which allows team leaders to track individual soldier locations, adding safety and awareness to the combat network. Experiments must be conducted on this product by Benchmark to confirm the full range of GPS functionality. This must be conducted in a controlled area, accessible to US Citizens only.

Objectives

Our objectives are as follows:

1. Illumination of the product test area with a GPS Signal to allow for the continued testing, failure analysis, and experimentation on the product described above.
2. Allow for evaluation of product's GPS features to provide more robust and effective product performance to our end user.
3. Establish the ability to test, troubleshoot, and repair product in an appropriately controlled US Citizen only environment.