

General Electric
Corporate Research & Development
Experimental STA Request
October 5, 2000
File No. 0473-EX-ST-2000

Exhibit 3

Operational and Geographic Information

This request seeks a special temporary authorization to evaluate ultra wideband (“UWB”) technology:

Date:	Time:	Location:
10/16/ through 11/16/2000	7:00 AM to 10:00 PM local time	GE Power Systems 1 River Road Schenectady, NY 12345 NAD-27 Latitude 42 : 48 : 30.960 North NAD-27 Longitude 74 : 01 : 38.640 West

Note: According to the FCC TOWAIR database, the nearest landing area to GE Power Systems is Mohawk Valley Airport which is 3.77 miles away.

Purpose: This authority will permit the operation of ultra-wideband laboratory test equipment for the purpose of evaluating the functionality of the UWB technology being developed by Time Domain Corporation.

Testing conducted under this authority will be focused on the evaluation of UWB propagation characteristics within various indoor environments. While testing will be primarily focused upon indoor propagation, some outdoor propagation testing may be conducted at the sites listed above.

Number of units: Two (2) PADs

Antenna gain: Nominally 0 dB

Radiated power: less than – 71.25 dBW/MHz per device

Note: The radiated emissions level will not exceed the limits that would apply to an “unintentional” radiator under the general Part 15 limits set forth in Section 15.109 of the Commission’s Rules.

Contact persons during hours of operation at locations:**David Davenport**

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Contact person regarding this request:**David Davenport**

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Public interest showing:

The Commission has heretofore found it to be in the public interest to explore the development of ultra-wideband technology. *See Notice of Inquiry* in ET Docket 98-153 released September 1, 1998 and *Notice of Proposed Rulemaking*, released May 11, 2000.

The purpose of the operations to be conducted under this requested authority will be to evaluate UWB as a potential technology in support of products that our company is considering developing. We realize that U.S. regulations at the time of this request have not been adopted by the Commission and that the Commission may not adopt regulations for UWB or may adopt regulations that are significantly different from the regulations proposed in the May 11 *Notice of Proposed Rulemaking* and that the regulations may affect any products that we design.