

ZAI/AMELEX, Inc.
Experimental STA Request
January 26, 2001
File No. 0045-EX-ST-2001
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Exhibit 3

Operational and Geographic Information

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

Date:

4/1/01 through 12/10/03

Time:

7:00 AM thru 8:00 PM

Location:

15 Douglas Court
Sterling, VA 20166

NAD 27 Latitude 38 58 34 N

NAD 27 Longitude 77 24 55 W

Note: According to the FCC TOWAIR database, the nearest landing area is to Washington Dulles which is 1.850 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.

Number of units: One (1)

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

Operations are to be conducted entirely indoors.

These experiments are part of a government contract and re funded by the U>S> Navy

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Contact person during hours of operation at location:

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703-883-0506 (lab)
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Contact person regarding this request:

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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 request 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.