

ZAI/AMELEX, Inc.
Experimental STA Request
December 11, 2002
File No. 0436-EX-ST-2002
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Exhibit 3

Operational and Geographic Information

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

Date:

Time:

Location:

01/08/03 through 06/08/03

7:00 AM thru 8:00 PM

4404 Holter Court
Jefferson, MD 21755

NAD 27 Latitude 39 23 55.291 N

NAD 27 Longitude 77 30 52.279 W

Note: According to the FCC TOWAIR database, the nearest landing area is the Ft. Detrick Helipad which is 9.45 KM 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.

These operations will be conducted to support a U.S. Navy contract. The contract number is N68335-01-C-0160.

The U.S. Navy point of contact is Mr. Jim Verdi at 301-342-0048.

Number of units: One (1)

Antenna gain: Nominally 0 dB

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

Note: The equipment to be used is identical to the Time Domain Corporation equipment addressed in the previous waiver.

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Contact person during hours of operation at location:

Patrick W. Johnson
Pres.
American Electronics, Inc
6302 Lee Highway, Suite 600
Fairfax, VA 22031
703-883-0506 (Corporate)
301-371-3584 (office)
301-758-2906 (cell)
703-883-0526 (FAX)

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.