

Applied Research Laboratories,
The University of Texas at Austin
Experimental STA Request
8 November 2000
File No. STA-UWB-001

Exhibit 3 Operational and Geographic Information

This request seeks a special temporary authorization to demonstrate prototype ultra wideband (UWB) units as follows:

Date:	Time:	Location:
11/20 through 12/22/2000	7:00 AM – 7:00 PM CST	Applied Research Laboratories 10000 Burnet Road Austin, TX 78758 30: 22: 59.765 N 97: 43: 26.119 W

Purpose: Demonstrate time modulated Ultra-Wideband (UWB) as discussed below.

Note: The nearest landing area to Applied Research Laboratories is 5 miles away.

Number of units: two TADs and 20 UWB signal generators

Antenna gain: nominally 0 dB

Radiated power: less than – 73 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 person during hours of operation at location:

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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* ET Docket 98-153 released September 1, 1998 and *Notice of Proposed Rulemaking*, released May 11, 2000.

The testing is in support of providing test data to the FCC concerning GPS and UWB compatibility. The test data will aid the FCC in determining UWB emission limits in order to safely coexist with the GPS safety of life systems. Conducted testing will take place at Holloman Air Force Base in El Paso Texas and the radiated testing will take place at Applied Research Laboratories in Austin Texas. The PAD and UWB signal generator are laboratory demonstrator/validator devices that are test devices only and are not marketable products.