

Time Domain Corporation
Experimental STA Request
February 9, 2006
STA File No. 0079-EX-ST-2006
STA Confirmation No. EL755976

Exhibit 3
Operational and Geographic Information

This request seeks a special temporary authorization to evaluate ultra wideband ("UWB") technology at the Fire Department Instructors Conference (FDIC) located at the following location:

Indiana Convention Center and RCA Dome
100 South Capital Avenue
Indianapolis, IN 46225-1071:

NAD 27 / Lat: 39° 45' 56.2N
NAD 27 / Lon: 86° 09' 42.6W

Date(s): Time: Location:

April {24 thru 29}, 2006 8:00AM to 5 PM (CST)

Note: According to the FCC TOWAIR database the, Indianapolis Downtown Heliport, is located 1.16 miles away.

Upon further investigation from other sources the following airports where also found:

ISHC Landing Pad, is located 0.36 Miles away.

Indiana Department of Natural Resources Airport is located 0.33 miles away.

Methodist Hospital Helistop is located 1.68 miles away.

500 Airport is located 3.96 miles away.

Stout Field is located 4.01 miles away.

Indianapolis International Airport is located 7.06 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: 1 transmitter and 1 receiver
This request seeks a special temporary authorization to demonstrate a prototype ultra wideband ("UWB") AOA system at the Indiana Convention Center and RCA Dome. The AOA system is composed of a single mobile transmitter and single fixed receiver.
Antenna Gain: nominally 2.36 dB Radiated Power: The radiated power spectral density is less than +12 dB above CFR 47 part 15 paragraph 15.517. The total radiated power is less than 450 microwatts EIRP.



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Public Interest showing:

The requested authority will permit the demonstration of an ultra-wideband AOA system. The commission has 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. The demonstration will provide an opportunity for the customer's at the FDIC show to witness the application of UWB technology to determine the bearing to a transmitter by using AOA measurements.

