

January 5, 2005

To: Mr. Carl Huie
Federal Communications Commission
Experimental Licensing Branch, MS 1300E1
445 12th Street, S.W.
Washington D.C. 29554

From: Dr. Patrick W. Johnson
Sr. VP for R&D
Zimmerman Associates, Inc.
4404 Holter Court
Jefferson, MD 21755

Subject: `` Progress Report ``

Reference: Special Temporary Authorization File Number 0461-EX-ST-2004

Dear Carl,

The referenced STA was issued for the period August 10, 2004 to February 10, 2005 and has special conditions. Special condition #3 requires a Progress Report to be filed at the conclusion of the authorization. This letter is the required Progress Report.

The work on the small UWB radar system has continued successfully during the STA period. Significant progress has been made in the system. The system has now demonstrated the ability to detect small buried landmines at stand-off distances with the use of our digital signal processing algorithms.

The original work was funded by the Navy. The Army has been very interested in our work and is now funding our efforts for possible use in Army vehicles. It is expected that the R&D will continue for about another 12 months.

The system has been used 7 times over the period of the STA. There have been no complaints received.

If there are any questions, please call me at 301-371-3584.

Sincerely,

Patrick W. Johnson