

B&A

Ball & Associates

Technology Transfer and Commercialization Services
158 Fords Colony Drive
Williamsburg, VA 23188-6320
(757) 253-9894, (703) 499-8081, e-mail: jball@erols.com
August 15, 2000

RECEIVED
AUG 24 2000
FCC MAIL ROOM

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Re: Ultra Wideband
ET Docket 98-153

Dear Ms. Salas,

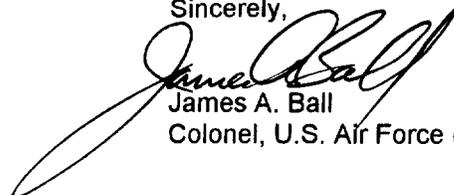
I am writing in regard to the FCC's Notice of Proposed Rule Making on Ultra-Wide Band Radio. I am a retired senior military officer and engineer, and currently support the Federal Interagency Technical Support Working Group on Counter-Terrorism as their technology transition manger. I have an extensive background in defense and public service technologies, having worked previously with FEMA, and the Department of Justice and many other Federal agencies in emergency management and law enforcement-related technical programs.

The capabilities of ultra-wide band technology are, in my opinion, a next generation technology breakthrough that can provide the military and public service organizations a host of new and improved capabilities in communications, tracking and location, and radar applications. These applications will be of significant impact not only in military applications, but also in service of our fire, police, search and rescue, and other emergency services at Federal, State and Local levels.

In my current work, the capability to see through walls to locate terrorists vs hostages, find disaster victims in rubble, or communicate in dense urban building environments with clear and undetectable communications are much needed capabilities. Ultra-wide band technology offers these capabilities and we need to enable them. That can only be done if FCC can move forward to make a prompt and correct decision to permit deployment of this technology in its various applications.

My review of a host of technical literature on the technology indicates that permitting deployment of ultra-wideband at Part 15 Class A power levels offers an extremely low risk of interference with any other communications bands. I urge the FCC to permit employment of this advanced technology with a minimum of restrictions.

Sincerely,


James A. Ball
Colonel, U.S. Air Force (Ret)

No. of Copies rec'd 0
List A B C D E