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September 6, 2000

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

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: Ultra-Wideband
ET Docket 98-153

Dear Ms. Salas:

I am writing in response to the FCC's Notice of Proposed Rule Making on ultra-wideband radio.

I am a General Partner in Frontier Capital I, LLP, a SBIC venture capital firm licensed under the participating securities program of the Small Business Administration. The investment focus of Frontier Capital is to make investments in small or start-up companies that use technology to provide a novel or more efficient business-to-business service. I have been active in the venture capital industry for approximately 10 years.

Clearly, the various features of ultra-wideband technology lend themselves to a broad variety of new, entrepreneurial activities that would meet our investment criteria. In addition, a number of our existing portfolio companies could utilize UWB to improve their operations and offer better service to consumers. For example, one of our companies sell and installs direct broadcast Satellite TV systems. UWB would allow for wireless connectivity between the satellite dish and set-top boxes throughout a household, thereby lowering the time and cost of installation and decreasing the inconvenience, messiness and unsightliness experienced by the customer. This company also sells and installs home security systems; the radar features of UWB would allow for an advanced generation of security sensors that would provide homeowners with greater protection from intruders and would decrease the likelihood of false alarms, which are becoming a serious burden to law-enforcement agencies.

From both a marketplace perspective as a professional investor and a public policy perspective as an SBA licensee, I urge the FCC to move forward promptly in formulating commercial guidelines for the use of UWB. This technology will yield significant efficiencies to US businesses, substantial improvements to the lifestyles of American consumers, and an abundance of new jobs and opportunities for the next generation of American workers and managers. I can assure you that the commercialization of UWB

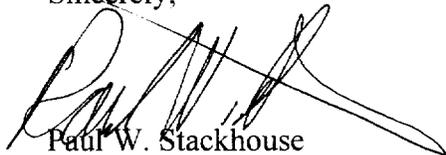
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would prove a boon to the SBA and the general goal of fostering entrepreneurial activity and small-business job creation. The creative possibilities that this technology will allow are legion. Once given such a tool, I am confident that the innovative nature of our nation will seize upon it, with the result being the creation of thousands of new companies, each with a singular vision regarding their own niche application for UWB.

I would also ask that the FCC focus keenly on the technical matters that will permit deployment of this technology in a manner that allows the business community to take full advantages of the promises of UWB. For example, modest increases in transmission power to levels that remain non-interfering with other transmissions will greatly enhance the usefulness of this technology.

On only a handful of occasions in the 20th century did new technologies emerge that signaled a quantum leap for our economy and American society as a whole. Edison's light bulb, Ford's assembly line, Oppenheimer's fission, Watson's computer, and Intel's semiconductors come to mind. These technologies changed not only our lives, but had a dramatic impact on the future of the world as a whole. In UWB, the FCC controls the destiny of another such revolutionary technology, a technology that represents another rare opportunity for our country to demonstrate its innovative leadership. I heartily endorse UWB and all that it promises.

Sincerely,



Paul W. Stackhouse
General Partner