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January 17, 2000

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FEB 18 2000

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Hon. William E. Kennard, Chairman
Federal Communications Commission
445 12th Street S.W.
Room 8-B201
Washington, D.C. 20554

RECEIVED

JAN 18 3 00 PM '00

Re: Ex parte Notification – Multispectral Solutions, Inc.
ET Docket # 98-153

Dear Chairman Kennard:

On behalf of our client, Multispectral Solutions, Inc. (MSSI), we kindly request a meeting with you and/or your designee(s) to explain certain critical technology relating to co-existence of ultra-wideband (UWB) and the FCC's licensed frequency holders. We are aware that in the near future the FCC may issue a Notice of Proposed Rulemaking relative to its inquiry into UWB technology. Without certain critical information that MSSI's scientists will provide, we believe there is a reasonable likelihood that the lack of such information and/or certain misinformation currently before the Commission in FCC Docket # 98-153 may improperly guide the rulemaking process.

By way of background, MSSI is a small Gaithersburg, Maryland-based high-tech electronics firm that has taken a fundamentally different approach to UWB. MSSI has figured out how to control ultra-wideband pulses, limiting them to predetermined frequency bands. MSSI's "band-limiting" techniques maintain all of the benefits of unrestricted UWB (low power, penetration etc.), but problems of interference with other uses of the RF Spectrum are eliminated. Preliminary results from recent tests of UWB systems conducted by Stanford University scientists for the U.S. Department of Transportation showed that MSSI's "band-limited" UWB radios did not significantly interfere with Global Positioning System (GPS) - based aviation navigation systems.

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We are aware that representatives of other UWB companies have met with various FCC officials to discuss issues related to Docket # 98-153, and seek only a similar opportunity.

We will call to follow up.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Harbin', with a long horizontal stroke extending to the right.

Lawrence Harbin

cc: Cell Bernardino
Hon. Barbara A. Mikulski
Hon. Constance A. Morella
Hon. Paul Sarbanes