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TELEMEDICINE

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FCC

November 1, 2000

Ms. Magalie Roman Salas  
Secretary, Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

RE: Support for Ultra-Wideband Radio Transmission (ET Docket 98-153)

Dear Ms. Salas:

I am writing on behalf of UC Davis Health System Telemedicine Program regarding the FCC's Notice of Proposed Rulemaking concerning Ultra-wideband (UWB) transmission. We hope that the FCC will approve the use and licensure of UWB so that UC Davis can be involved in research and development of applications for this promising new technology.

Our institution is integrally involved in the development of Telehealth-related technologies and applications to establish new ways of increasing access to medical services in remote and/or underserved areas. We see tremendous potential for high-bandwidth, wireless technologies that offer the Telehealth field the capability of transferring very large data files between users across short distances

UWB will greatly enhance our ability to develop "e-Health" applications and to improve both clinical performance and administrative efficiency -- both of which are high priorities of state and federal health agencies. Through improved charting and by bringing knowledge sources and medical databases via Internet connectivity through wireless LANs to the bedside, we should be able to reduce medical errors. In addition, secure, wireless connectivity to our LAN will help us ensure safe, reliable, and accurate transmission of patient care records and other sensitive data required by the administrative simplification provisions of the federal Health Insurance and Portability and Accountability Act of 1996 (HIPAA).

Again, we hope that the Federal Communications Commission will favorably view the possibilities of UWB for healthcare in its rule making activities. Thank you for considering our comments.

Sincerely,

Ravi Nemana, MBA  
Assistant Director, Technology  
Center for Health and Technology  
UC Davis Health System

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cc: Scott Sudduth