

From: Richard A Van Hook [rvanhook@ad.uiuc.edu]
Sent: Tuesday, February 17, 2004 8:45 PM
To: John Kennedy
Cc: R H Campbell
Subject: RE: FCC File # 0061-EX-ST-2004

Hi John,

Here is a detailed description of the intended use of the Ubisense equipment in which we are requesting a STA for use. If you have any questions, please let me know. Thanks for your help.

- Type of operation to be conducted

Testing and validation of a prototype indoor UWB location system as a computer science research tool. Testing will involve regular operation of the system over a period of three to four months in up to three distinct rooms within our Computer Science building. The system will be evaluated by researchers, guests and some of our sponsors.

- Purpose of operation

To provide communications essential to a research project; and for a temporary, non-recurring service where a regular authorization is not appropriate.

Our university department is conducting a number of experimental projects in the area of "invisible computing", and requires a highly accurate indoor positioning system as part of our ongoing research. We plan to evaluate the prototype Ubisense location system to determine whether it will be suitable for these research purposes. Ubisense intends to submit the production version of its location system for FCC approval, but this version is not expected to be ready until later in the year. To avoid any delay in our existing research programs and associated funding decisions, we wish to fully evaluate the prototype system, so we can commit to a certified production system as soon as possible.

We intend to determine sensor accuracy and robustness within the context of a modern research centre, by temporarily installing the prototype in a number of rooms within our new Computer Science building.

Rick

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