

From: Jeffrey Beckerman

To: John Kennedy

Date: June 08, 2004

Subject:

FCC File # 0375-EX-ST-2004

Message:

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Dear J. Kennedy,

Thank you for giving us an opportunity to explain our tests in greater detail. If there are any other questions please call or write.

Why STA is Necessary:

Euclid Concepts, LLC requests a grant of Special Temporary Authority ("STA") to operate an experimental radio station. The STA is necessitated by Euclid Concepts' need to test experimental wireless equipment to obtain a proof of performance of interoperability and data transmission between an on campus IT system and physically separated buildings on the campus of Denison University.

Denison University is one of 17 Ohio Universities taking part in the Third Frontier Network which is a dedicated high-speed fiber-optic network linking Ohio colleges and universities with research facilities to promote research and economic development. Over 1,600 miles of fiber have been purchased to create the network backbone to connect colleges and universities, K-12 schools, and communities together. Once the main fiber is connected to each university's main IT system, the many buildings on and off campus must be connected so they are able to use this resource through wire lines, fiber optic cable, or wireless radio frequency media.

Our wireless experimental unit uses a unique transceiver design that allows it to be transparent to any digital data format and works at wireless millimeter wave frequencies. For this test we have selected the 92-94 GHz and 94.1-95 GHz band. To verify correct operation in the campus environment we will need to be approved for an STA which will allow us to conduct on the air