

From: "Brad C. Stribling" <brads@adicomw.com>
To: "'ASERAFIN@fcc.gov'" <ASERAFIN@fcc.gov>
Date: Thu, Jul 22, 1999 4:46 PM
Subject: Experimental License Application

Dear Mr. Serafini,

Per your request, I am supplying some additional information in regards to our application for an experimental license.

Adicom Wireless, Inc., has developed the Aditus Wireless Local Loop System and is supplying this to customers in numerous parts of the world in need of telephone service but which lack sufficient telephone line infrastructure. The system replaces wired telephone connections with a radio based system which connects a local telephone exchange with its numerous subscribers. The air interface is based on a proprietary CDMA direct sequence spread spectrum technology which provides a robust, high capacity, point-to-multipoint radio transport for telephony data.

The purpose of the experimental license is to investigate the effectuality of this system for providing voice and data services in rural or suburban areas of the U.S., such as the target site area in Minnesota. The system's nominal transmit power is 1 Watt and it operates on a Time Division Duplex basis; hence, both transmit and receive signals are at the same frequency and have an occupied bandwidth of 1.67 MHz.

Our intended frequency of operation is in the Subband D of the Licensed PCS Band at 1865-1870 MHz and 1945-1950 MHz; a license for operating in this band is held by a company in the test area under whose scrutiny the testing will be performed. The system will operate at emissions levels which are compliant with FCC regulations for that frequency range.

We will be conducting extensive testing for service quality during the term of the experimental license, including audio quality, bit error rates, robustness and fade tolerance, etc. Additional information is contained in our application itself.

Please feel free to contact me if I can supply any further information.

Sincerely,

Brad Stribling
Sr. V.P., Engineering
Adicom Wireless, Inc.
Hayward, California

(510) 781-5520 x254