

Particulars of Operation

This application is being filed in order to replace the experimental license issued under call sign KM2XNA. In addition, the application seeks authority to operate on the following frequencies at or around the Applicant's laboratory:

880 to 915 MHz;
925 to 960 MHz;
1710 to 1785 MHz; and
1805 to 1880 MHz.

The Applicant continues the programs conducted under previous license KM2XNA. Namely, the Applicant researches and experiments on radio equipment designed to operate in the Personal Communications Service (PCS) and the Cellular bands. Such program includes testing of analog, TDMA, CDMA, GSM and other protocols for use in these services. Equipment is being researched and developed for the licensed bands and the unlicensed isochronous (voice) band.

The Applicant seeks authority to use the additional frequencies for development of equipment that will be exported or for which the frequencies will be used outside of the United States.

The Applicant seeks to use frequencies 1710 to 1785 MHz and 1805 to 1880 MHz for testing and developing mobile and base station equipment that is not provided for in the Federal Communications Commission's Table of Allotments. However, testing will be conducted in a controlled laboratory environment on these frequencies. These frequencies, in addition to the other additional frequencies sought, permit the equipment to be developed for use overseas in conjunction with use in the United States on the traditional PCS/Cellular frequencies.

In light of the additional frequencies sought by this application, Applicant will accept a grant-in-part for the frequencies previously referred to under call-sign KM2XNA during the pendency of the application-in-full.