

Description of the Experiment:

As part of a development effort to design and market digital land mobile radio base stations, subscriber and other infrastructure equipment, Motorola has instituted various testing programs. Some of these tests will include actual "on the air" testing of systems. In order to solve and overcome the numerous problems associated with a new radio technology, experiments will be conducted to check the successful delivery of a message, be it voice, or high speed digital data, individually or in combination. Specifically, new hardware and software will be verified.

Constant improvements and new developments require an organized plan of experimental laboratory work and field testing. Field tests are made only in those cases where the practical application seems justified by research, development, and laboratory investigations. Practical field-test applications will be under the exclusive control of the applicant, and transmitting stations involved will be operated in accordance with the rules and regulations issued by the FCC. The operation of the equipment will be within the parameters of the FCC license and operated with respect for the FCC rules governing experimental licenses.

Equipment to be used:

Site

Schaumburg Latitude 42 03 54 Longitude 88 02 54

Qty

Manufacturer

Equipment Model

Equipment Type

5 Base TX Stations

Motorola

Various Prototypes

Experimental

100 Mobiles

Motorola

Various Prototypes

Experimental

50 Portables

Motorola

Various Prototypes

Experimental

Other Information:

Frequency 406.35

Emission Type: F1D

Emission Designator: 16K0F1D