

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

<u>Qty</u>	<u>Manufacturer</u>	<u>Equipment Model</u>	<u>Equipment Type</u>
4 Base TX Stations	Motorola	Various Prototypes	Experimental
100 Mobiles	Motorola	Various Prototypes	Experimental
50 Portables	Motorola	Various Prototypes	Experimental

Site

Carol Stream Latitude 41 53 55 Longitude 88 05 48

<u>Qty</u>	<u>Manufacturer</u>	<u>Equipment Model</u>	<u>Equipment Type</u>
4 Base TX Stations	Motorola	Various Prototypes	Experimental
100 Mobiles	Motorola	Various Prototypes	Experimental
50 Portables	Motorola	Various Prototypes	Experimental

Site

Chicago Latitude 41 58 43 Longitude 87 50 34

<u>Qty</u>	<u>Manufacturer</u>	<u>Equipment Model</u>	<u>Equipment Type</u>
4 Base TX Stations	Motorola	Various Prototypes	Experimental
100 Mobiles	Motorola	Various Prototypes	Experimental
50 Portables	Motorola	Various Prototypes	Experimental

Site

Palatine Latitude 42 07 23 Longitude 88 02 08

<u>Qty</u>	<u>Manufacturer</u>	<u>Equipment Model</u>	<u>Equipment Type</u>
4 Base TX Stations	Motorola	Various Prototypes	Experimental
100 Mobiles	Motorola	Various Prototypes	Experimental
50 Portables	Motorola	Various Prototypes	Experimental

Site

McHenry Latitude 42 21 20 Longitude 88 19 00

<u>Qty</u>	<u>Manufacturer</u>	<u>Equipment Model</u>	<u>Equipment Type</u>
4 Base TX Stations	Motorola	Various Prototypes	Experimental
100 Mobiles	Motorola	Various Prototypes	Experimental
50 Portables	Motorola	Various Prototypes	Experimental

