

NARRATIVE STATEMENT

By this application, Motorola, Inc., seeks an experimental radio license to replace its Special Temporary Authorization issued under call sign WB9XPO, File No. 0333-EX-ST-2002, which is scheduled to expire on March 11, 2003. The license will allow Motorola to complete its experimentation. The following information is provided in support of this application:

Need for a License:

Motorola is developing systems to operate in the 218-219 and 220-222 MHz bands and seeks to test and demonstrate prototype equipment to evaluate its functionality and acceptability. Grant of a license will serve the public interest, necessity and convenience, as it will allow Motorola to develop and improve systems to meet the communications needs of users.

Purpose of Operation:

Motorola proposes to test, demonstrate and operate radio equipment to demonstrate the functionality of systems and associated protocols in a field environment.

Proposed Locations:

Motorola proposes to conduct its experimental activities at locations within 80 km of its corporate headquarters in Schaumburg as well as at locations within 80 km of four additional sites, as follows:

Schaumburg, Illinois
North Latitude 42 deg 03' 54"
West Longitude 088 deg 02' 54" (NAD83)

Lake Zurich, Illinois
North Latitude 42 deg 14' 12"
West Longitude 088 deg 04' 17" (NAD83)

Chicago Ridge, Illinois
North Latitude 41 deg 42' 31"
West Longitude 087 deg 47' 02" (NAD83)

Mount Lukens, California
North Latitude 34 deg 16' 08"
West Longitude 118 deg 14' 20" (NAD83)

Santiago Peak, California
North Latitude 33 deg 42' 39"
West Longitude 117 deg 32' 04" (NAD83)

Technical Specifications:

Base Stations:

Frequencies:	218-219 and 220-222 MHz
Output Power:	50 Watts TPO
Radiated Power:	30 Watts Peak ERP
Necessary Bandwidth:	11 kHz
Modulation:	FM
Emissions:	F3E, F2D
Antenna:	Omnidirectional
Model Nos.	MX800FFHNSZ2CD, others
FCC ID Nos.	Pending

Temporary Fixed (Mobile) Radios:

Frequencies	218-219 and 220-222 MHz
Output Power:	30 Watts TPO
Radiated Power	60 Watts Peak ERP (with 2dB gain antenna)
Necessary Bandwidth:	11 kHz
Modulation:	FM
Emissions:	F3E
Antenna:	Omnidirectional
Model Nos.	AAM25MHF4DP5AN, others
FCC ID Nos.	Pending

Portables:

Frequencies:	218-219 and 220-222 MHz
Output Power:	5.5 Watts TPO
Radiated Power:	3.79 Watts Peak ERP
Necessary Bandwidth:	11 kHz
Modulation:	FM
Emissions:	F3E
Antenna:	Omnidirectional
Model Nos.	AAH25MDF4DP5AN; AAM25MHF4DP5AN, others
FCC ID Nos.	Pending

Motorola will employ equipment that has been tested to demonstrate compliance with the FCC's guidelines for human exposure to radiation.

Antenna Information:

The antennas will not extend more than 6 meters above the ground or, if mounted on an existing building, will not extend more than 6 meters above the building. If the antennas are mounted on existing structures other than buildings, they will be installed in accordance with FAA and FCC rules and regulations.

Equipment to be Used:

Motorola expects that it will be able to complete its experimentation and demonstration with a maximum of 5 base units, 15 mobile units, and 30 portable at each location other than at its corporate headquarters in Schaumburg. In Schaumburg, Motorola proposes to operate on a maximum of 16 base stations, 60 mobile units, and 100 portable units. It will limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

Restrictions on Operation:

Motorola recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. It therefore will coordinate its activities with any licensees or users in the proposed bands in accordance with FCC requirements. Should interference occur, Motorola will take immediate steps to resolve the interference, including if necessary arranging for the discontinuance of operation.

In addition, Motorola will advise entities using the equipment that permission to operate has been granted under experimental authority issued to Motorola, that such operation is strictly temporary, that the equipment may not cause harmful interference, and that any unapproved equipment remains the property of Motorola and must be returned to Motorola. Although in some cases persons other than Motorola employees will employ the devices, no market tests as defined by Sections 5.3(j) and 5.93 of the FCC rules will be conducted and no unapproved devices will be marketed to customers or to the general public. Moreover, no fees will be imposed upon users.

Public Interest:

Motorola submits that issuance of a license is in the public interest, convenience, and necessity. Grant of a license will permit Motorola to develop innovative equipment that will accommodate the communications needs of users.

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