

EXHIBIT NO. 1

Frequency MHz	Authorized Power Watts	Emission Designator
NEW MODIFICATION REQUESTED:		
157.9125	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
157.9250	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
157.8625	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
161.8625	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
161.9125	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
161.9250	500 (ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
RETAIN EXISTING:		
150.9200	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
150.9500	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
157.2125	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
157.2875	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
157.3875	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
159.2700	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
159.4200	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
161.8125	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
161.8875	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
451.5250	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
451.6000	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
451.6500	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W
451.7000	500(ERP)	15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W

456.4250
456.5250
456.6000
456.6500
456.7000
497.2500

500(ERP)
500(ERP)
500(ERP)
500(ERP)
500(ERP)
500(ERP)

15K0F2D/16K0F1D/16K0F3D/20K0F1E/20K0F1W/9K10F1W/9K90F1W

EXHIBIT 2.

In response to question 5(b) and 5 (c)

Location:

(1) Schaumburg (Cook) Illinois - lat. 42 03 54 N; long. 88 02 54 W
Mobile: Within 113KM of Schaumburg

(2) Carol Stream (DuPage) Illinois - lat. 41 53 55 N; long 88 05 48 W.
~~Mobile: Within 113KM of Carol Stream~~

(3) Chicago (Cook) Illinois - lat 41 58 43 N; long 87 50 34 W.
5461 N. East River Road.
~~Mobile: Within 113KM of Chicago~~

(4) Palatine (Cook) Illinois - lat 42 07 23 N; long 88 02 08 W.
830 N. Hicks Road.

(5) McHenry (Lake) Illinois - lat 42 21 20 N; long 88 19 00 W.
1819 North DOT Road.

The locations in bold are modifications requested for this license.

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 various configurations. Among these configurations are single site, voting and wide area simulcast. 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. Data will be taken to compare QPSK-C simulcast performance to that of current C4FM simulcast. These additional transmitter sites are being requested for simulcast testing.

Supplementary Statement to Experimental Radio Station License Applications

1. As a supplementary statement concerning applicants qualifications for carrying out a general development program and furthering the art of communications in the applicable categories the general following information is indicated.
2. The applicant, Motorola, Inc., seeks operating authority for radio transmitting equipment to conduct propagation tests and develop communications equipment with a view to improving communications and safety services in the frequency bands specified.
3. The Land Mobile Products Sector of Motorola, Inc. is adequately staffed with engineers and technicians who are familiar with regulations and restrictions governing the use of communication equipment operating on the experimental frequencies specified. All equipment will be controlled and operated by qualified personnel.
4. Motorola engineering and operating personnel are familiar with the Commission's rules and regulations governing the applicable services, and understand and agree to the applicable requirements.
6. Motorola, Inc. is in the business of designing, developing, and manufacturing communications and electronics equipment and maintains manufacturing, research, and development establishments in Schaumburg, Illinois and environs. Motorola also maintains research and development organizations in Florida, Arizona and Texas.
7. Motorola research facilities investigate such areas as microwave, telemetering, selective calling, personal telepoint, FM communications, radar, automatic control, mobile data, paging, video, trunking, cellular telephone, and bandwidth efficient digital voice communications.
8. Constant improvements and new developments require an organized plan of experimental laboratory work and field testing, followed by field testing and verification of the general objectives dictating these activities. 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.
9. The applicant understands that the frequencies for field test operations will be on an experimental basis as provided by the rules. It is understood that the grant of authority shall not be construed as a finding by the Commission that the frequencies authorized for the field tests are the best for the services considered, that the applicants are qualified to operate other than an experimental license, or

10. The applicant desires and is willing to conduct experimental programs under the rules and regulations and understands that the authority that may be granted is subject to cancellation at any time without hearing. It is further understood that such experimental operation is subject to non-interference to existing services.

12. It is understood that authority to operate under experimental classifications require an independent application for authorization for different equipment and applications.

14. Motorola, Inc. recognizes that the rules, regulations, authorizations, and operations of the Federal Communications Commission dominating this applicant's field testing are in the best interests of the continued improvements in the art.