

Exhibit # 2

600 Meter Research Group

Experimental License Application

The 600 Meter Research Group is applying for an experimental license for several interrelated purposes. Some of these are:

- 1) The development of improved methods of low signal-to-noise ratio communications techniques.
- 2) The design, development, and testing of practical, higher efficiency, smaller, and/or "field expedient" antenna systems for MF, LF, and VLF.
- 3) Testing the feasibility of the use of the requested frequencies to provide reliable local and regional medium range (50 to 200 miles) emergency communications.

The experimental authorization would include certain specific Part 97 licensees as participants in the course of experimentation. These are listed on Exhibit # 3, attached.

It is anticipated that most operations will be conducted via digital modes, both traditional and modern, although other modes listed in Section 2.201 of the Commission's rules, and bandwidths, as appropriate, as listed in Section 2.202 of the Commission's rules will be experimented with.

Power would be limited to 400 watts TPO. ERP will be limited, in any case, to 200 watts.

The frequency band 440 to 500 Khz, part of the old Marine Band, has been abandoned by all users in the Western Hemisphere more than 5 years ago. Our participants have monitored the requested frequencies over the past several months and have heard no traffic. No domestic or Canadian NDBs have been heard in the band listed above.

Interference to or from another service on the requested frequencies will result in immediate termination of operation on that frequency.

Monthly reports of findings and results of experimentation will be assembled by each participant during the course of the project, and will be forwarded to the Director of the 600 Meter Research Group; such reports will be available to the Commission upon request at any reasonable time.