



MOTOROLA INC.
Shared Systems Division
1301 E. Algonquin Rd.
Schaumburg, IL 60196-1078

October 26, 1992

Mr. Frank Wright
Chief, Frequency Liaison Branch
Office of Engineering and Technology
Federal Communications Commission
2025 M Street, N.W., Room 7322
Washington, DC 20554

Dear Mr. Wright:

Motorola, Inc. requests three new experimental licenses to perform 800 MHz band testing in and around our Schaumburg, Illinois campus as detailed on the attached FCC Form 422s. Expedient processing of this request would be appreciated as Motorola needs to start testing on 2 Jan 93.

Enclosed please find three FCC Form 422s and three exhibits. Exhibit One describes the purpose of our experimental program, Exhibit Two is a list of existing call signs at the Arlington Heights site, and Exhibit Three is an FAA Aeronautical Study 86-AGL-683-OE for the Lake Zurich site.

The 806-821/851-866 MHz band has been allocated for public land mobile radio use, pursuant to plans approved by the Commission. Motorola contracted with COMSEARCH, Inc., of Richardson, Texas, to provide a list of licensed 800 MHz users within a 75-mile radius of Arlington Heights. Motorola used this list to identify frequency candidates to be used for an Alpha Test System.

The 821-824/866-869 MHz band has been allocated for public safety use, pursuant to frequency assignment plans developed by public safety regional committees and approved by the Commission. In the Chicago area (Region 54), such a plan was developed by the Southern Lake Michigan 800 MHz Regional Planning Committee and approved by the Commission. While all the frequencies are earmarked for particular users, actual implementation of these system will occur gradually over the next several years. Accordingly, specific frequencies within the 821-824/866-869 MHz band can still be safely used for testing as long as adequate coordination with the regional planning group exists to avoid co- and adjacent-channel interference.

In Docket No. 79-144 the Commission categorically excluded regularly licensed land mobile and microwave systems from routine environmental processing concerning radio frequency (RF) radiation. While experimental actions were not categorically excluded, the facilities requested in the application are of a similar nature and should not exceed the ANSI standard used by the Commission for public exposure to RF radiation.

Please call me at (708) 576-4364 or Kay Blackmore in the Motorola Government relations office at (717) 334-0921 if you have any questions.

Sincerely,

David Hensley
Room 4413
Shared Systems Division