



Mr. Carl Huie
Office of Engineering and Technology
Federal Communications Commission
455 12th Street, SW
Washington, DC 20554
December 4, 2001

Dear Mr. Huie:

Rockwell Collins, Inc. hereby requests an Experimental License to perform flight testing operations for the testing and development of a new VHF data link protocol.

The Experimental License is needed to allow continued testing and development of new aeronautical data link protocol. This application seeks authorization for continued operations identical to those under our current STA (File number 0137-EX-RR-2001).

Operations under the requested Experimental License will be fixed and mobile. The fixed unit will be an aeronautical and fixed radio station, call sign KMC6. The mobile unit will be a flight test aircraft, N206PD.

Operations under the requested Experimental License will be conducted in the vicinity of Melbourne, Florida, within a 150 mile radius of the base station. The base station will be located at the Rockwell Collins facility at 1100 W. Hibiscus Boulevard, Melbourne, Florida (28-05-10 N, 80-38-29 W). The mobile unit will transmit only while flying at altitudes of 10,000 feet or below.

The equipment to be used includes two type accepted Collins VHF-900 transceivers modified to include the new datalink transmission protocol.

The maximum transmitter power is 30 watts from the base and 30 watts from the mobile. The requested frequency is 123.425 MHz.

Operations under the requested Experimental License will use emission types 13K0A2D and 14K0G1DE.

If you have any questions, please feel free to contact me at 703-516-8213.

Sincerely,

Joe Cramer