



Washington Office  
1300 Wilson Boulevard, Suite 200  
Arlington, VA 22209-2307

May 9, 2006

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

RE: Experimental License File Number: 0191-EX-PL-2006

Dear FCC Representative:

I would like to submit the following information along with the application for experimental license File Number: 0191-EX-PL-2006. The first attachment contains a description of the project and the second attachment has information about the antennae frequency and emissions. If you have any further questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in blue ink that reads "John M. Giff".

John M. Giff  
Manager, Governmental & Regulatory Affairs  
703.516.8213

Attachments (2)

## Attachment 1

### Narrative Statement for Question #7

- A. The complete program of research and experimentation proposed including description of equipment and theory of operation:

This experimental license will allow Rockwell Collins to support integration of legacy VHF radio with an AFDX network. We will be testing the capability of a tuning and control panel, an audio control panel, and an Audio Gateway Unit. The tuning and control panel will be used to tune and control each VHF radio; the audio control panel will be used to select the different VHF radios; and the Audio Gateway Unit will be used to control the volume of the sound of the signals. All testing will be performed in Cedar Rapids, Iowa.

- B. The specific objectives being accomplished:

This license will be used to support the integration of Rockwell Collins legacy VHF radios with new audio control equipment.

- C. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

This license advances the development of radio art since it is testing a new way of controlling the Rockwell Collins' legacy VHF radios.

## Attachment 2

### Antennae Frequency Information

Frequency Tolerance: 5ppm

### Emissions Information (listed by Emission Designator)

#### Modulating Signal:

- A. Maximum speed for keying in bauds: A3E and A3D: N/A D7D: 10.5 KHz
- B. Maximum audio modulating frequency: A3E: 2.5KHz A3D and D7D: N/A
- C. Frequency deviation of carrier: A3E, A3D, D7D: 5 ppm
- D. Pulse duration and repetition rate: D7D: Duration 520 mS max.  
A3E and A3D: 35 Sec. Max., Repetition Random