



Aeronautical Radio Inc.
2551 Riva Road
Annapolis, MD. 21401 USA

November 17, 2005

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

Dear Sir:

Attached please find an application from Aeronautical Radio Inc. (ARINC) seeking an experimental radio license from the Federal Communications Commission (FCC)

This request is for ARINC to validate operations of the Thrane and Thrane Aero H satellite system for customers using ARINC's ACARS packet data, mobile packet data, Aero H+ voice and swift 64 services. This testing is part of ARINC's avionics qualification program phase 4, where equipment is tested on the live network prior to use by end customer. Messaging and voice communication testing will include aspects of end customer's use on their respective aircraft.

ARINC was previously authorized to operate a similar request at the ARINC facility in San Diego under call sign WD2XJH. We are seeking to expand the authority to also test at the ARINC Headquarter facility in Annapolis, MD. A copy of the previous experimental license is included for your information.

If you should have any questions regarding this request, please contact ARINC at telephone number 410-266-4142, fax number 410-266-2047, or via e-mail at ccw@arinc.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher Wheatley".

Christopher Wheatley
Frequency Management
Aeronautical Radio Inc.

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

FX

(Class of Station)

WD2XHH

(Call Sign)

0007-EX-PL-2004

(File Number)

NAME Aeronautical Radio Inc

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Station Locations

(1) San Diego (SAN DIEGO), CA - NL 32-45-25; WL 117-12-53

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-45-25; WL 117-12-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660.5 MHz	FX	840HG1D	122 W (ERP)	
1626.5-1660.5 MHz	FX	1K00G1D	122 W (ERP)	
1626.5-1660.5 MHz	FX	6K00G1W	122 W (ERP)	

Special Conditions:

- (1) POINT OF COMMUNICATION: INMARSAT Satellite
- (2) Prior to operation of this experimental earth station with any INMARSAT satellite system, the satellite service provider must obtain an appropriate authorization from the International Bureau of the Federal Communications Commission.

This authorization effective January 16, 2004 and
will expire 3:00 A.M. EST February 01, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**

