



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

January 15, 2008

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

Dear Sir:

Attached please find an application filed on behalf of Aeronautical Radio Inc. (ARINC) seeking a renewal of an experimental radio license.

ARINC requests renewal of FCC call sign WC2XOC, which expires on February 1, 2008.

ARINC is requesting this renewal authorizing continued use of our Aircraft Earth Station (AES). The purpose of this AES is to provide demonstration and testing of Inmarsat voice and data applications.

A copy of our existing 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, which appears to read "Christopher Wheatley".

Christopher Wheatley
Frequency Management

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC2XOC

(Call Sign)

0024-EX-RR-2006

(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.

Operation: In accordance with Sec. 5.3(d & i) of the Commission's Rules

Station Locations

(1) Annapolis (ANNE ARUNDEL), MD - NL 38-56-34; WL 76-32-09

Frequency Information

Annapolis (ANNE ARUNDEL), MD - NL 38-56-34; WL 76-32-09

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

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) Equipment: One (1) Collins SDU AJK 822 1349 INMARSAT terminal.
- (3) Neither the aggregate uplink EIRP densities in the direction of any other L-band satellite serving the United States, nor the downlink EIRP densities at any geographical point within the United States, shall be increased as a result of operations on the Inmarsat 4F2 satellite over those densities previously authorized on the Inmarsat 3F4 satellite.

This authorization effective February 01, 2006 and
will expire 3:00 A.M. EST February 01, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Operations on the Inmarsat 4F2 satellite shall be on an unprotected basis. ARINC shall not claim protection from, and is required to accept interference from, other lawfully operating satellites or radiocommunication systems.
- (5) Operations are permitted on those frequencies previously used on the Inmarsat 3F4 satellite, except that operations are not permitted on certain frequencies, made available to Inmarsat by MSV USA and MSV Canada as part of the operator-to-operator coordination process, the use of which is currently an issue pending.
- (6) Adequate guard bands shall be provided between the band edges of the carriers used by ARINC and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.