

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

EXPERIMENTAL

(Nature of Service)

WC2XPE

(Call Sign)

XD MO

(Class of Station)

0188-EX-RR-2007

(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(i, j) of the Commission's Rules

Station Locations

- (1) MOBILE: CONUS excluding Texas west of 103 degrees West Longitude and excluding the state of New Mexico

Frequency Information

MOBILE: CONUS excluding Texas west of 103 degrees West Longitude and excluding the state of New Mexico

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	32M4M2D	10000 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (5) ARINC shall retain ownership of all equipment.

This authorization effective November 01, 2007 and
will expire 3:00 A.M. EST May 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) ARINC acknowledges and accepts that this authorization is for experimental purposes only and there is no vested interest in continuation beyond the term of this license. Any future service must be provided in a frequency band that is consistent with the table of allocations or any rulemaking proceeding.
- (7) This authorization is subject to the decisions issued January 4, 2005 by the Chief, Electromagnetic Compatibility Division.
- (8) Market study authorization is reduced from 120 to a maximum of 15 aircraft.
- (9) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (10) Prior to commencement of operations with SES Americom AMC-6, pursuant to this experimental license, Aeronautical Radio, Inc., shall obtain a certification from SES Americom that SES Americom has notified all satellite operators with co-frequency operations within 6 degrees longitude of SES Americom AMC-6, generally describing the experimental operations authorized herein, including the term thereof, and providing a point of contact for the purpose of resolving any complaints of interference. Aeronautical Radio, Inc., shall obtain a similar certification from SES Americom if, during the term of this experimental license, SES Americom AMC-6 moves orbit location, or if a satellite operator commences co-frequency operations within 6 degrees longitude of SES Americom AMC-6. If the point of contact receives a complaint of harmful interference, the party receiving the complaint (if not Aeronautical Radio, Inc.) will notify Aeronautical Radio, Inc., and Aeronautical Radio, Inc., shall immediately cease such operations or adjust such operations to avoid harmful interference. Aeronautical Radio, Inc., will submit a copy of SES Americom's certification(s) to the Commission for incorporation into the record of this file.
- (11) POINTS OF COMMUNICATION: SES Americom AMC-6 Satellite.