

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

EXPERIMENTAL

(Nature of Service)

WC2XXE

(Call Sign)

XC FX MO

(Class of Station)

0066-EX-ML-2002

(File Number)

NAME Aurora Flight Sciences Corporation

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(b) of the Commission's Rules

Station Locations

- (1) Manassas (PRINCE WILLIAM), VA - NL 38-43-16; WL 77-31-11; MOBILE: , within 16 km
- (2) Blossom Point, MD - NL 38-25-00; WL 77-06-00; MOBILE: , within 25 km
- (3) Vandenberg AFB (SANTA BARBARA), CA - NL 34-34-43; WL 120-34-21; MOBILE: , within 130 km
- (4) Point Mugu NAS, CA - NL 34-07-00; WL 119-07-00; MOBILE: , within 112 km

Frequency Information

Manassas (PRINCE WILLIAM), VA - NL 38-43-16; WL 77-31-11; MOBILE: , within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1440.5 MHz	FX	350KF2D	400 W (ERP)	
1460.5 MHz	FX	350KF2D	400 W (ERP)	
1494.5 MHz	MO	350KF2D	10 W (ERP)	
1710-1850 MHz	MO	350KF1D	2 W (ERP)	0.002 %
2367.5 MHz	MO	13M0F9W	10 W (ERP)	
2380.5 MHz	MO	13M0F9W	10 W (ERP)	
2387.5 MHz	MO	350KF2D	10 W (ERP)	

This authorization effective October 31, 2003 and
will expire 3:00 A.M. EST December 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Blossom Point, MD - NL 38-25-00; WL 77-06-00; MOBILE: , within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1850 MHz	MO	350KF1D	2 W (ERP)	0.002 %

Vandenberg AFB (SANTA BARBARA), CA - NL 34-34-43; WL 120-34-21; MOBILE: , within 130 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1440.5 MHz	FX	350KF2D	20 W (ERP)	
1460.5 MHz	FX	350KF2D	20 W (ERP)	
1494.5 MHz	MO	350KF2D	10 W (ERP)	
2367.5 MHz	MO	13M0F9W	10 W (ERP)	
2380.5 MHz	MO	13M0F9W	10 W (ERP)	
2387.5 MHz	MO	350KF2D	10 W (ERP)	

Point Mugu NAS, CA - NL 34-07-00; WL 119-07-00; MOBILE: , within 112 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1440.5 MHz	FX	350KF2D	20 W (ERP)	
1460.5 MHz	FX	350KF2D	20 W (ERP)	
1494.5 MHz	MO	350KF2D	10 W (ERP)	
2367.5 MHz	MO	13M0F9W	10 W (ERP)	
2380.5 MHz	MO	13M0F9W	10 W (ERP)	
2387.5 MHz	MO	350KF2D	10 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Western Coordinator, Los Angeles, CA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Western Coordinator, Los Angeles, CA, as necessary to ensure compatibility with existing uses.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA contract DAAH01-01-C-R-173 and NASA contract L71026D. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.