

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

EXPERIMENTAL

(Nature of Service)

WF2XYI

(Call Sign)

XT MO

(Class of Station)

0408-EX-PL-2011

(File Number)

NAME Aurora Flight Sciences

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) of the Commission's Rules

Station Locations

- (1) MOBILE: Ground based mobile site within a 1 km of: N38 35.55 W077 42.66, within 1 km, centered around NL 38-35-32; WL 77-42-41
- (2) MOBILE: Airborne component within the polygon described by the following coordinates: N38 43.29 W077 30.93, N38 38.83 W077 51.68, N37 54.48 W079 06.62, N37 32.05 W077 49.48, N38 20.43 W077 21.02, from surface to 10,000 ft MSL

Frequency Information

MOBILE: Ground based mobile site within a 1 km of: N38 35.55 W077 42.66, within 1 km, centered around NL 38-35-32; WL 77-42-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.8 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

MOBILE: Airborne component within the polygon described by the following coordinates: N38 43.29 W077 30.93, N38 38.83 W077 51.68, N37 54.48 W079 06.62, N37 32.05 W077 49.48, N38 20.43 W077 21.02, from surface to 10,000 ft MSL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.8 GHz	MO	13M2G1D	10 W (ERP)	0.0005 %

This authorization effective October 25, 2011 and
will expire 3:00 A.M. EST November 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Licensee shall use the following frequencies:
DOWNLINK
M4418/M4432/M4443/M4468/M4478/M4488/M4598/M4523/M4533/M4544/M4558,
UPLINK
M4717.5/M4724.5/M4732/M4739.5/M4747/M4762/M4784.5/M4799.5.