

**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)

0094-EX-ML-2016

(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: See Exhibit for Figure and Table, within 30 km, centered around NL 38-35-32; WL 77-42-41
- (3) MOBILE: Within 2 km of KHEF, within 2 km, centered around NL 38-43-30; WL 77-31-00
- (4) MOBILE: Within 2 km of KRME, within 2 km, centered around NL 43-14-02; WL 75-24-25
- (5) MOBILE: See attached Exhibit for Figure and Table, within 30 km, centered around NL 43-30-00; WL 75-33-00

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 (+/-)
4.4-4.95 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

This authorization effective June 29, 2016 and
will expire 3:00 A.M. EST November 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: See Exhibit for Figure and Table, within 30 km, centered around NL 38-35-32; WL 77-42-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	10 W (ERP)	0.0005 %

MOBILE: Within 2 km of KHEF, within 2 km, centered around NL 38-43-30; WL 77-31-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

MOBILE: Within 2 km of KRME, within 2 km, centered around NL 43-14-02; WL 75-24-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

MOBILE: See attached Exhibit for Figure and Table, within 30 km, centered around NL 43-30-00; WL 75-33-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	10 W (ERP)	0.0005 %

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.
- (2) Additional frequencies approved: M4600/M4650/M4700/M4750/M4800/M4850
 M4900