

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

EXPERIMENTAL

(Nature of Service)

WK2XVR

(Call Sign)

XT MO

(Class of Station)

0118-EX-CM-2020

(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(J) of the Commission's Rules

Station Locations

- (1) MOBILE: Airborne Ops max 10000ft MSL, within 80 km, centered around NL 38-14-50;
WL 78-02-44

Frequency Information

MOBILE: Airborne Ops max 10000ft MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-10 GHz	MO	1M30Q3N 43M2Q3N	378442 W (ERP)	
9.6375-9.8625 GHz	MO	225MQ3N	378442 W (ERP)	
9.75 GHz	MO	1M30Q3N 18M3Q3N	378442 W (ERP)	

This authorization effective July 30, 2020 and
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne Ops max 10000ft MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.75 GHz	MO	225MQ3N	378442 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) 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.
- (3) COORDINATION WITH THE NASA GSFC EXTRAD POC, GERRY HEYMSFIELD AT 301-614-6369 OR GERALD.M.HEYMSFIELD(AT)NASA.GOV, AND NASA GSFC X-BADGER POC SI-CHEE TSAY AT 301-614-6188 OR SI-CHEE.TSAY-1(AT)NASA.GOV, IS REQUIRED AT LEAST 7 DAYS IN ADVANCE OF OPERATION.
- (4) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH NASA.
- (5) DURING TRANSMISSION, AIRCRAFT SHALL NOT EXCEED THE ALTITUDE BEYOND 10,000 FT MSL.