

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

W19XKF

(Call Sign)

XT MO

(Class of Station)

0303-EX-ST-2015

(File Number)

NAME Aurora Flight Sciences

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Command and control of optionally manned and unmanned aircraft for developmental flight test.

Station Locations

- (1) MOBILE: Ground mobile site within a 1 km of KRME airport, within 1 km, centered around NL 43-14-02; WL 75-24-24
- (2) MOBILE: Airborne component. Area described in attachment.

Frequency Information

MOBILE: Ground mobile site within a 1 km of KRME airport, within 1 km, centered around NL 43-14-02; WL 75-24-24

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

This authorization effective March 31, 2015 and will expire 3:00 A.M. EST October 01, 2015

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Frequency Information

MOBILE: Airborne component. Area described in attachment.

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

Special Conditions:

- (1) Aurora Flight Sciences must obtain a Certificate of Authorization (COA) for flight operations in the polygon defined in the attachment.

The Airborne antenna will operate within the following area:

MOBILE: Airborne component within the polygon described by the following coordinates: N43 53.00 W075 35.00, N43 53.00 W075 08.00, N43 09.68 W075 08.00, N43 09.68 W075 52.00, N43 44.00 W075 52.00, from surface to 25,000 ft. MSL

This area matches the FAA UAS test site where we need to conduct our developmental flight test work.