

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

EXPERIMENTAL

(Nature of Service)

WN9XDO

(Call Sign)

XT MO

(Class of Station)

1153-EX-ST-2018

(File Number)

NAME Xwing, Inc

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:

Radar testing

This ultra-small SWAP-C radar has been designed to enable UAVs to detect and avoid other

Station Locations

- (1) MOBILE: Around Iowa City Municipal Airport, within 25 km, centered around NL 41-38-21; WL 91-32-46
- (2) MOBILE: Half Moon Bay, CA, within 5 km, centered around NL 37-24-49; WL 122-25-21
- (3) MOBILE: Around Wittman Regional Airport, within 25 km, centered around NL 43-59-36; WL 88-33-11

Frequency Information

MOBILE: Around Iowa City Municipal Airport, within 25 km, centered around NL 41-38-21; WL 91-32-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.7 GHz	MO	300MF0N	30 W (ERP)	0.000094 %

This authorization effective August 14, 2018 and
will expire 3:00 A.M. EST February 14, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Half Moon Bay, CA, within 5 km, centered around NL 37-24-49; WL 122-25-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.7 GHz	MO	300MF0N	30 W (ERP)	0.000094 %

MOBILE: Around Wittman Regional Airport, within 25 km, centered around NL 43-59-36; WL 88-33-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.7 GHz	MO	300MF0N	30 W (ERP)	0.000094 %

Special Conditions:

- (1) Xwing, Inc. should aware that grant of this STA is not an endorsement of the operations outlined in this application. Xwing, Inc. should have no expectations of automatic approval in this band in future submissions.