

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

EXPERIMENTAL

(Nature of Service)

WJ9XOE

(Call Sign)

XT MO

(Class of Station)

0315-EX-ST-2016

(File Number)

NAME Ohio University

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:

The purpose of these operations will be to test a low-cost, light weight, short-range radar that is installed on a test UAS (i.e., 3DR Robotics X8 UAS). A small target UAS will be instrumented with

Station Locations

- (1) MOBILE: Athens, OH, within 1 km, centered around NL 39-20-08; WL 82-07-04
- (2) MOBILE: Athens, OH, within 1 km, centered around NL 39-19-11; WL 82-07-16

Frequency Information

MOBILE: Athens, OH, within 1 km, centered around NL 39-20-08; WL 82-07-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9300-9500 MHz	MO	200MF3N 20M0F2N	34 W (ERP)	0.0001 %
24-24.25 GHz	MO	0G25F3N	100.01 W (ERP)	0.0001 %

This authorization effective April 25, 2016 and
will expire 3:00 A.M. EST October 25, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Athens, OH, within 1 km, centered around NL 39-19-11; WL 82-07-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9300-9500 MHz	MO	20M0F2N 200MF3N	34 W (ERP)	0.0001 %
24-24.25 GHz	MO	0G25F3N	100.01 W (ERP)	0.0001 %