

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

EXPERIMENTAL

(Nature of Service)

WL9XAJ

(Call Sign)

XT MO

(Class of Station)

0335-EX-ST-2017

(File Number)

NAME Gryphon Sensors, LLC

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:

System test and UAS surveillance system demonstration in the state sponsored USAFE corridor and related UTM UAS traffic management experiments.

Station Locations

- (1) MOBILE: Lee, NY: Transportable FX, within 20 km, centered around NL 43-16-41; WL 75-34-15
- (2) MOBILE: Clearwater, FL: Transportable FX, within 5 km, centered around NL 27-53-17; WL 82-41-37
- (3) MOBILE: Lakeland, NY: Transportable FX, within 15 km, centered around NL 43-05-01; WL 76-13-18
- (4) MOBILE: Oak Ridge, FL: Transportable FX, within 25 km, centered around NL 28-27-27; WL 81-25-48
- (5) MOBILE: Crows Landing, CA: Transportable FX, within 10 km, centered around NL 37-23-37; WL 121-04-19
- (6) MOBILE: Mountain View, CA: Transportable FX, within 10 km, centered around NL 37-24-09; WL 122-02-26

This authorization effective May 05, 2017 and
will expire 3:00 A.M. EST November 05, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Lee, NY: Transportable FX, within 20 km, centered around NL 43-16-41; WL 75-34-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

MOBILE: Clearwater, FL: Transportable FX, within 5 km, centered around NL 27-53-17; WL 82-41-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.596 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %
9.604-9.616 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %
9.624-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

MOBILE: Lakeland, NY: Transportable FX, within 15 km, centered around NL 43-05-01; WL 76-13-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

MOBILE: Oak Ridge, FL: Transportable FX, within 25 km, centered around NL 28-27-27; WL 81-25-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.596 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

Frequency Information

MOBILE: Oak Ridge, FL: Transportable FX, within 25 km, centered around NL 28-27-27; WL 81-25-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.604-9.616 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %
9.624-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

MOBILE: Crows Landing, CA: Transportable FX, within 10 km, centered around NL 37-23-37; WL 121-04-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.01 %

MOBILE: Mountain View, CA:: Transportable FX, within 10 km, centered around NL 37-24-09; WL 122-02-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-9.8 GHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

Special Conditions:

- (1) Gryphon Sensors must understand that the 9.5-9.8 GHz band is for experimental purposes and should not be recognized as a final spectrum allocation for commercial development.
- (2) At the Clearwater and Oak Ridge, Florida locations, the bands 9596 - 9604 MHz and 9616 - 9624 MHz shall be excluded from operations to protect space operations.