

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

EXPERIMENTAL

(Nature of Service)

WM9XTD

(Call Sign)

XT MO

(Class of Station)

0197-EX-ST-2018

(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:

The purpose of the operation is to perform a Flight Test in the Twentynine Palms and Camp Pendleton areas.

Station Locations

- (1) MOBILE: Camp Pendleton, CA: 0 - 3000 ft AGL., within 80 km, centered around NL 33-13-46; WL 117-22-51
- (2) MOBILE: Twentynine Palms, CA: From 0 - 3000 ft AGL., within 80 km, centered around NL 34-17-45; WL 116-09-43

Frequency Information

MOBILE: Camp Pendleton, CA: 0 - 3000 ft AGL., within 80 km, centered around NL 33-13-46; WL 117-22-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2300-2310 MHz	MO	5M00G1D 10M0G1D	16 W (ERP)	0.0005 %
2390-2410 MHz	MO	5M00G1D 10M0G1D	16 W (ERP)	0.0005 %

This authorization effective May 14, 2018 and
will expire 3:00 A.M. EST June 16, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Camp Pendleton, CA: 0 - 3000 ft AGL., within 80 km, centered around NL 33-13-46; WL 117-22-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2390-2410 MHz	MO	20M0G1D	16 W (ERP)	0.0005 %
2480-2500 MHz	MO	5M00G1D 10M0G1D 20M0G1D	16 W (ERP)	0.0005 %

MOBILE: Twentynine Palms, CA: From 0 - 3000 ft AGL., within 80 km, centered around NL 34-17-45; WL 116-09-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.125 MHz	MO	6K00A3E	16.4 W (ERP)	0.002 %
123.125 MHz	MO	6K00A3E	2 W (ERP)	0.0005 %
123.125 MHz	MO	6K00A3E	16.4 W (ERP)	0.0005 %
2300-2310 MHz	MO	5M00G1D 10M0G1D	16 W (ERP)	0.0005 %
2390-2410 MHz	MO	5M00G1D 10M0G1D 20M0G1D	16 W (ERP)	0.0005 %
2480-2500 MHz	MO	5M00G1D	16 W (ERP)	0.0005 %

Frequency Information

MOBILE: Twentynine Palms, CA: From 0 - 3000 ft AGL., within 80 km, centered around NL 34-17-45; WL 116-09-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2480-2500 MHz	MO	10M0G1D 20M0G1D	16 W (ERP)	0.0005 %

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) Aurora Flight Sciences must not conduct Aeronautical Mobile operations in the 2290-2300 MHz band.
- (4) Aurora Flight Sciences must ensure a safety pilot is within the aircraft when flying outside of restricted/warning airspace in addition to a remote pilot.