

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

EXPERIMENTAL

(Nature of Service)

WH9XIQ

(Call Sign)

XT MO

(Class of Station)

0197-EX-ST-2014

(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:

UAS testing

Station Locations

- (1) MOBILE: Ship based component, within 33 km, centered around NL 37-30-00; WL 76-00-00
- (2) MOBILE: Airborne component from surface to 18,000 ft MSL, within 33 km, centered around NL 37-30-00; WL 76-00-00

Frequency Information

MOBILE: Ship based component, within 33 km, centered around NL 37-30-00; WL 76-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %
5.25-5.85 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

This authorization effective April 28, 2014 and
will expire 3:00 A.M. EST August 02, 2014

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COMMISSION**



Frequency Information

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Special Conditions:

- (1) While the FAA will conditionally concur for the 4.5-4.9 GHz band, the FAA is opposed to further development and testing in the 5250-5850 MHz band for command/control purposes. Future allocations will not accommodate the UAS in that part of the 5 GHz band for primary protected usage. Also, restrictions are being enforced for similar platforms (Predator/Reaper) thru the NTIA/SPS in which the platform must be modified to operate in a primary protected frequency allocation.
- (2) The military user must submit an SPS certification for the UAS platform, and the FAA will not concur with further geographical expansion of 5250-5850 MHz until this is done.
- (3) The Department of the Navy has no technical objection to the frequency use as proposed pending approved MIDAFC coordination and notification of NAVY POC, Mr. Robert Goddard at 301-342-1194 (robert.n.goddard@navy.mil) prior to anticipated testing start time.