

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

EXPERIMENTAL

(Nature of Service)

WR9XUD

(Call Sign)

XT MO

(Class of Station)

1317-EX-ST-2021

(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:

transponder operation testing - Modes 1,2, 3A, 3C, S - no Mode 4 or 5 testing

Station Locations

- (1) MOBILE: Ground testing around company owned property Manassas, VA, within 5 km, centered around NL 38-43-16; WL 77-30-55
- (2) MOBILE: Air Ops 10kft around Manassas, VA KHEF airport, within 80 km, centered around NL 38-43-16; WL 77-30-55
- (3) MOBILE: Air Ops 8kft MSL surrounding PAX RIVER, MD, within 75 km, centered around NL 38-00-00; WL 76-00-00

Frequency Information

MOBILE: Ground testing around company owned property Manassas, VA, within 5 km, centered around NL 38-43-16; WL 77-30-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	MO	14M0M1D	447 W (ERP)	

This authorization effective October 02, 2021 and
will expire 3:00 A.M. EST April 02, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) ASSIGNMENT SUPPORTS MODES 1, 2, 3/A, C, AND S.
- (3) UNMANNED OPERATIONS OUTSIDE OF WARNING AND RESTRICTED AREAS REQUIRE THE USER TO OBTAIN A CERTIFICATE OF WAIVER OR AUTHORIZATION (COA).
- (4) COORDINATION WITH LOCAL ATC REQUIRED PRIOR TO OPERATION.
- (5) STOP BUZZER JASON FINE 571-364-4688 OR DAN MCNEIL, 714-642-7485
- (6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.