

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

EXPERIMENTAL

(Nature of Service)

WR9XYU

(Call Sign)

XT FX MO

(Class of Station)

0674-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:

Data collection to in support of contractual obligations

Station Locations

- (1) Port Mansfield (WILLACY), TX - NL 26-33-28; WL 97-26-13
- (2) MOBILE: See attached exhibit Harlingen, TX Max Altitude 10,000 feet MSL, within 70 km, centered around NL 26-13-51; WL 97-56-56

Frequency Information

Port Mansfield (WILLACY), TX - NL 26-33-28; WL 97-26-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4746 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	
4771 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	

This authorization effective June 01, 2021 and
will expire 3:00 A.M. EST September 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: See attached exhibit Harlingen, TX Max Altitude 10,000 feet MSL, within 70 km, centered around NL 26-13-51;
WL 97-56-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4421 MHz	MO	6M87G7D 13M2G1D	2000 W (ERP)	
4515 MHz	MO	6M87G7D 13M2G1D	2000 W (ERP)	

Special Conditions:

- (1) Aurora Flight Sciences should be aware that concurrence for this testing/development should not be interpreted as support for operational use or deployment of a final product within this band.
- (2) Aurora Flight Sciences should be aware the 4400 - 4950 MHz band is not allocated for aeronautical operations, and there is a potential risk of interference.
- (3) Aurora Flight Sciences must ensure that fixed/mobile operations in the area will not impact the UAS C2 integrity.