

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

EXPERIMENTAL

(Nature of Service)

WN9XFT

(Call Sign)

XT FX MO

(Class of Station)

0939-EX-ST-2018

(File Number)

NAME Persistent Systems, 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:

Testing and evaluation and demonstration of high speed data transmission system, both terrestrial and aeronautical mobile (air-to-ground) from aircraft up to 12,000 feet elevation. See attached

Station Locations

- (1) MOBILE: within a radius of 161 km from centerpoint, within 161 km, centered around NL 40-31-01; WL 105-00-53
- (2) Fort Collins (LARIMER), CO - NL 40-31-01; WL 105-00-53

Frequency Information

MOBILE: within a radius of 161 km from centerpoint, within 161 km, centered around NL 40-31-01; WL 105-00-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2277 MHz	MO	20M0D1D	3.7 W (ERP)	0.0015 %

This authorization effective September 01, 2018 and
will expire 3:00 A.M. EST March 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Collins (LARIMER), CO - NL 40-31-01; WL 105-00-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2277 MHz	FX	20M0D1D	92 W (ERP)	0.0015 %

Special Conditions:

- (1) Any aeronautical mobile operations shall be coordinated with the NASA GSFC Spectrum Manager, Scott Galbraith at 301.286.5089 or vincent.s.galbraith@nasa.gov, at least 3 days prior to operations.
- (2) Operations are strictly limited to a frequency of 2277 MHz with an emission bandwidth of 20 MHz or less.
- (3) Persistent Systems, LLC. shall have no expectations that future requests for operations in this frequency band will be approved.