

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

EXPERIMENTAL

(Nature of Service)

WS9XYJ

(Call Sign)

XT MO

(Class of Station)

1522-EX-ST-2021

(File Number)

NAME Space Exploration Technologies Corp.

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:

Demonstrate and characterize transmittal and receipt of information utilizing the tested user terminal and the previously approved SpaceX infrastructure.

Station Locations

- (1) MOBILE: Pensacola, FL: Airborne max alt 28,000 ft AGL, within 160 km, centered around NL 30-30-32; WL 87-15-14

Frequency Information

MOBILE: Pensacola, FL: Airborne max alt 28,000 ft AGL, within 160 km, centered around NL 30-30-32; WL 87-15-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	62M5D7W	4.06 W (Output Power)	0.001 %
14-14.5 GHz	MO	62M5D7W	5.1 kW (ERP)	0.001 %

This authorization effective November 08, 2021 and
will expire 3:00 A.M. EST May 08, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Licensee is authorized to conduct tests on one (1) airborne user terminal (12.2" X 12.2" square antenna) in the 14.0-14.5 GHz frequency band via SpaceX's NGSO satellites.
- (2) POINT OF COMMUNICATION: Space Exploration Technologies Corp. ("SpaceX")'s Ku-band non-geostationary orbit (NGSO) satellites (S2983/S3018).
- (3) This authorization is for experimental purpose and does not prejudge any future Commission action.