

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XSH

(Call Sign)

1421-EX-ST-2021

(File Number)

NAME Viasat, Inc.

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:

The planned experiment will test mobile antennas on Telesats NGSO constellation.

Station Locations

- (1) Carlsbad (SAN DIEGO), CA - NL 33-07-37; WL 117-16-01
- (2) Duluth, GA - NL 33-57-26; WL 84-06-08
- (3) Duluth, GA - NL 33-57-26; WL 84-06-08
- (4) Germantown (MONTGOMERY), MD - NL 39-12-04; WL 77-16-12
- (5) Carlsbad (SAN DIEGO), CA - NL 33-07-37; WL 117-16-01
- (6) Germantown (MONTGOMERY), MD - NL 39-12-04; WL 77-16-12

Frequency Information

Carlsbad (SAN DIEGO), CA - NL 33-07-37; WL 117-16-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28600-29100 MHz	FX	10M5D1D 50M5D1D	305492.11 W (ERP)	

This authorization effective September 16, 2021 and
will expire 3:00 A.M. EST March 06, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Duluth, GA - NL 33-57-26; WL 84-06-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28600-29100 MHz	FX	10M5D1D 50M5D1D	48417.23 W (ERP)	

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Germantown (MONTGOMERY), MD - NL 39-12-04; WL 77-16-12

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Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The point of contact for ceasing transmissions in case of interference is Alton Earle at 678-924-2653.
- (4) Licensee is authorized to conduct on-ground tests on 2 units of 1.1m Tel 4412 antenna (gateway) and 2 units of 5530: 0.767 m x 0.153 m asymmetric Viasat Global Aero Terminal (GAT) 5530 antenna (user terminal) with Telesat LEO Inc.'s LEO-1 NGSO satellite in the 28.6-29.1 GHz band.
- (5) Point of communications: Telesat non-geostationary (NGSO) satellite LEO-1 (call sign S2976)
- (6) Future STA requests to extend this authorization will not be considered. The applicant is required to file for a regular experimental application in accordance with the FCC CFR 47 Part 5.61.
- (7) Licensee must successfully coordinate with the Fixed Microwave Service licensees in each proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 28600-29100 MHz band.