

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK9XSU

(Call Sign)

0012-EX-ST-2017

(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:

To conduct earth station transmitter testing and measurements in the 27.5-28.35 GHz band segment using a fixed 1.8 meter antenna.

Station Locations

- (1) Carlsbad (SAN DIEGO), CA - NL 33-07-38; WL 117-15-55
- (2) Duluth (GWINNETT), GA - NL 33-57-47; WL 84-05-45
- (3) Pendergrass (JACKSON), GA - NL 34-10-23; WL 83-40-20

Frequency Information

Carlsbad (SAN DIEGO), CA - NL 33-07-38; WL 117-15-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	FX	100HN0N	431519 W (ERP)	1.0E-6 %

This authorization effective January 30, 2017 and
will expire 3:00 A.M. EST March 21, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Duluth (GWINNETT), GA - NL 33-57-47; WL 84-05-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	FX	100HN0N	431519 W (ERP)	1.0E-6 %

Pendergrass (JACKSON), GA - NL 34-10-23; WL 83-40-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	FX	100HN0N	431519 W (ERP)	1.0E-6 %

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) Prior to operation, licensee must successfully coordinate with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (4) Operations in the 27.5-28.35 GHz band, the transmitting antenna minimum elevation angle is 0 degrees or below the horizon except when pointing towards the geostationary orbit arc at 111.1 West longitude and there will be NO communication with any satellite set forth by the applicant.
- (5) ViaSat, Inc., must notify FCC satellite licensees of space stations operating in the band 27.5-28.35 GHz that are within +/- 4 degrees from the geostationary orbit (GSO) location at 111.1 West Longitude. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (antenna gain(s), antenna pattern, eirp density) and day and times of each test. Consult the IBFS database to identify FSS licensed space station operating in 27.5 – 28.35 GHz band.
- (6) Operations must be Non Interference Basis (NIB), Non Protected Basis (NPB), and Not Prejudice to future decisions (NPFD).