

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

EXPERIMENTAL

(Nature of Service)

WL9XGZ

(Call Sign)

XT FX

(Class of Station)

0686-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 demonstrate antenna system performance to the customer per contract.

Station Locations

(1) Duluth (GWINNETT), GA - NL 33-57-48; WL 84-05-45

Frequency Information

Duluth (GWINNETT), GA - NL 33-57-48; WL 84-05-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2051.3-2052.7 MHz	FX	1M40G7D	121.62 kW (ERP)	1.0E-6 %
2084.9875-2086.3875 MHz	FX	1M40G7D	121.62 kW (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.

This authorization effective July 28, 2017 and
will expire 3:00 A.M. EST October 21, 2017

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COMMISSION**



Special Conditions:

- (2) Advanced notification of planned operational dates and times shall be provided to the NASA Goddard Space Flight Center (GSFC) Spectrum Manager, Scott Galbraith at 301.286.5089, vincent.s.galbraith@nasa.gov, at least three days prior to operations.
- (3) Uplink operations from the ViaSat 7.3m diameter antenna to the WorldView-1 and WorldView-4 satellites shall not occur when the NASA International Space Station (ISS) (NORAD designation 25544 or international spacecraft ID 1998-067A) is within the horizon to horizon view of the ViaSat facility in Duluth, Georgia.
- (4) A Stop Buzzer POC must be provided to the NASA Johnson Space Center (JSC) Spectrum Manager, Cathy Sham at 281.483.0124, catherine.c.sham@nasa.gov and the NASA GSFC Spectrum Manager, Scott Galbraith at 301.286.5089, vincent.s.galbraith@nasa.gov. This phone shall be manned at all times during testing operations.
- (5) Licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator prior to commencing the test operations
- (6) Licensee should be aware that the other stations may be authorized on these frequencies and if any harmful interference occurs, the licensee of this authorization will be subject to immediately shut down.
- (7) ViaSat will conduct the testing between the hours of 1 - 3 pm (local time) and provide an one week notice as to the day of the testing.
- (8) The point-of-contacts for termination of transmission if interference occurs is Eric Rhoden (706-799-2786), Drew Irwin (678-982-7160) and Steven Hemple (760-476-4812).