

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC9XOV

(Call Sign)

0059-EX-ST-2006

(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:

ViaSat requests authorization to perform technical demonstrations of equipment as part of an acceptance test for a customer of ViaSat.

Station Locations

(1) Duluth (GWINNETT), GA - NL 33-57-48; WL 84-06-51

Frequency Information

Duluth (GWINNETT), GA - NL 33-57-48; WL 84-06-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2025-2130 MHz	FX	10M0G0N	1196 W (ERP)	

Special Conditions:

- (1) Only one ground station (Duluth, Georgia) will be used for both the uplink and downlink tests.
- (2) Only EROS-A1 will be used for the BER verification. NO other satellites will be used.

This authorization effective May 19, 2006 and
will expire 3:00 A.M. EST September 30, 2006

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COMMISSION**



Special Conditions:

- (3) Since the BER validation test using EROs-A1 operating at 2295 MHz would result in interference levels above the ITU-R deep space S-band protection criterion, even if a 30 degrees elevation mask is used. To ensure compliance with the ITUR protection criterion and to protect the DSN (Goldstone), an elevation mask of 40 degrees shall be applied to both the uplink and downlink tests.
- (4) EROS does not have spurious components in the 8450-8500 MHz band. NASA does not have any information about the rolloff in the 8450-8500 MHz band. NASA is requesting that ViaSat obtain the information and notify NASA if there are spurious components. This will require NASA to perform another analysis to be able to concur for this test.
- (5) ViaSat will have a stop buzzer contact that will be available to stop the test, if interference is detected.
- (6) ViaSat shall coordinate with JPL (Mr. Manshadi) before the start of any test.
- (7) EROs-A1 should not be allowed to transmit at the 2295 MHz whenever it is visible from Goldstone (or any other DSN sites).