

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC9XBB

(Call Sign)

0243-EX-ST-2005

(File Number)

NAME Orbital Sciences Corporation

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:

Test of satellite telecommunications systems inside shielded facility.

Station Locations

(1) Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency Information

Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1176.45 MHz	FX	25M0F7D	10 W (ERP)	0.01 %
1575.42 MHz	FX	25M0F7D	10 W (ERP)	0.01 %

Special Conditions:

- (1) The area of potential interference to GPS reception has to be under the control of the user.

This authorization effective May 26, 2005 and
will expire 3:00 A.M. EST August 02, 2005

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COMMISSION**



Special Conditions:

- (2) The maximum equivalent isotopically radiated power must be such that the calculated emissions are no greater than -140 dBm/24 MHz at a distance of 100 feet (30 meters) from the building where the test is being conducted. The calculations showing compliance with this requirement should be based on free space propagation with no allowance for building attenuation.
- (3) Place sign on doors into the testing area stating "GPS reradiator in use, false GPS reception may be received".
- (4) The use is limited to activity for the purpose of testing RNSS equipment/Systems.
- (5) The Stop Buzzer contact: David DeTroye or alternate at (703) 404-6525 must be available during all testing.