

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

EXPERIMENTAL

(Nature of Service)

WA2XQR

(Call Sign)

XD FX MO

(Class of Station)

0016-EX-ST-2002

(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, development, and demonstration of low earth-orbit satellite technology.

Station Locations

- (1) Dulles, VA - NL 39-00-56; WL 77-25-42; MOBILE: 775 km circular; 97.59 inclination; 100.347 minute period.

Frequency Information

Dulles, VA - NL 39-00-56; WL 77-25-42; MOBILE: 775 km circular; 97.59 inclination; 100.347 minute period.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.5 MHz	MO	64K0G1D	8 W (ERP)	
450 MHz	FX	32K0G1D	24.3 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) NOAA wind profiler radars will be assigned in the 448-450 MHz band and satellite receivers may experience interference.
- (3) Subject to prior coordination with Earthwatch, E950498 and E950499, and Orbital Imaging Corporation to avoid interference.

This authorization effective January 20, 2002 and
will expire 3:00 A.M. EST July 20, 2002

**FEDERAL
COMMUNICATIONS
COMMISSION**

