

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

EXPERIMENTAL

(Nature of Service)

WM9XWO

(Call Sign)

XT FX

(Class of Station)

2063-EX-ST-2018

(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:

The operation will demonstrate preliminary engineering tests of a dual offset 3.8m reflector roof-mounted antenna system prior to potential adoption by a prospective end-user.

Station Locations

(1) Dulles (LOUDOUN), VA - NL 39-00-41; WL 77-25-49

Frequency Information

Dulles (LOUDOUN), VA - NL 39-00-41; WL 77-25-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-460 MHz	FX	25K0F2D	9600 W (ERP)	5.5E-7 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (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.

This authorization effective February 01, 2019 and
will expire 3:00 A.M. EST June 13, 2019

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Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The applicant shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to accessing 450-460 MHz band to protect the Broadcast Auxiliary Service operations.
- (5) Prior to commencing any operations, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
Paging Service licensees in 454 MHz/459 MHz
General Aviation Air-Ground Service in 454 MHz/459 MHz