

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WF2XZL

(Call Sign)

XT FX MO

(Class of Station)

0022-EX-ML-2012

(File Number)

NAME Orbital Sciences Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground testing, within 2 km
- (2) Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground testing, within 2 km
- (3) Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground, within 2 km

Frequency Information

Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground testing, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2225.5 MHz	MO	5M80F1F	0.2 W (ERP)	0.002 %
2241.5 MHz	MO	3M48F1D	0.13 W (ERP)	0.002 %
2259.5 MHz	MO	1M58F1D	0.05 W (ERP)	0.002 %

This authorization effective April 06, 2012 and
will expire 3:00 A.M. EST January 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground testing, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2269.5 MHz	MO	3M48F1D	0.03 W (ERP)	0.002 %

Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground testing, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2288.5 MHz	MO	3M48F1D	0.06 W (ERP)	0.002 %

Wallops Island, VA - NL 37-49-52; WL 75-29-28; MOBILE: Antares Launch Vehicle, ground, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5765 MHz	MO	14M0P0N	4 W (ERP)	2 %