

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

EXPERIMENTAL

(Nature of Service)

WF2XZL

(Call Sign)

XT MO

(Class of Station)

0524-EX-PL-2011

(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) MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52; WL 75-29-28
- (2) MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52; WL 75-29-28
- (3) MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52; WL 75-29-28

Frequency Information

MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52; WL 75-29-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2222-2228 MHz	MO	5M80F1F	0.2 W (ERP)	0.002 %
2239-2243 MHz	MO	3M48F1D	0.13 W (ERP)	0.002 %
2258-2260 MHz	MO	1M57F1D	15.5 mW (ERP)	0.002 %

This authorization effective December 16, 2011 and
will expire 3:00 A.M. EST January 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52;
WL 75-29-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2267-2271 MHz	MO	3M48F1D	0.13 W (ERP)	0.002 %

MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52;
WL 75-29-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2286-2290 MHz	MO	3M48F1D	0.13 W (ERP)	0.002 %

MOBILE: Taurus II Launch Vehicle, ground testing and space to earth launch, within 2 km, centered around NL 37-49-52;
WL 75-29-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5764-5772 MHz	MO	7M00P0N	4 W (ERP)	2 %