

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WF2XQF

(Call Sign)

0343-EX-RR-2013

(File Number)

NAME Raysat Antenna Systems, LLC

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Vienna, VA, within 20 km, centered around NL 38-55-00; WL 77-15-00
- (2) MOBILE: Petersburg, VA, within 20 km, centered around NL 37-13-00; WL 77-23-00
- (3) MOBILE: Pismo Beach, CA, within 20 km, centered around NL 35-08-54; WL 120-38-53

Frequency Information

MOBILE: Vienna, VA, within 20 km, centered around NL 38-55-00; WL 77-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	23M9G1D	2426.6 W (ERP)	

MOBILE: Petersburg, VA, within 20 km, centered around NL 37-13-00; WL 77-23-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	23M9G1D	2426.6 W (ERP)	

This authorization effective October 24, 2013 and
will expire 3:00 A.M. EST November 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Pismo Beach, CA, within 20 km, centered around NL 35-08-54; WL 120-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	23M9G1D	2426.6 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the Department of Defense/Logistics Innovation Agency (DOD/LIA) contract number W31P4Q-05-A-0031/TO#0021. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) Points of Communications: AMC-5 and AMC-6.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Kevin Bruestle at; Mobile: (571) 262-1601 or Office Phone: (703) 462-5004.
- (7) All operations must be in accordance with the FCC CFR 47, Part 25.
- (8) No transmissions are permitted between 14.0 GHz and 14.2 GHz within 125 km of Blossom Point, MD (latitude: 38° 25' 44" N, longitude 77° 05' 20" W).