

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XDU

(Call Sign)

0327-EX-PL-2009

(File Number)

NAME Northrop Grumman Space & Mission Systems 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(i) of the Commission's Rules

Station Locations

- (1) Redondo Beach (LOS ANGELES), CA - NL 33-50-54; WL 118-22-57
- (2) Chantilly (FAIRFAX), VA - NL 38-53-39; WL 77-25-53
- (3) Tampa (HILLSBOROUGH), FL - NL 27-56-50; WL 82-27-31

Frequency Information

Redondo Beach (LOS ANGELES), CA - NL 33-50-54; WL 118-22-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2085 MHz	FX	10K0G1D	25 W (ERP)	0.001 %
2090 MHz	FX	10K0G1D	25 W (ERP)	0.001 %

This authorization effective February 19, 2010 and
will expire 3:00 A.M. EST March 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chantilly (FAIRFAX), VA - NL 38-53-39; WL 77-25-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2085 MHz	FX	10K0G1D	25 W (ERP)	0.001 %
2090 MHz	FX	10K0G1D	25 W (ERP)	0.001 %

Tampa (HILLSBOROUGH), FL - NL 27-56-50; WL 82-27-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2085 MHz	FX	10K0G1D	25 W (ERP)	0.001 %
2090 MHz	FX	10K0G1D	25 W (ERP)	0.001 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to TDRSS-ISS.
- (4) POINT OF COMMUNICATION: TECSAR Satellite.