

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

EXPERIMENTAL

(Nature of Service)

WF2XDL

(Call Sign)

XT      FX

(Class of Station)

0245-EX-RR-2011

(File Number)

NAME Northrop Grumman 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(b & g) of the Commission's Rules

Station Locations

(1) Palmdale (LOS ANGELES), CA - NL 34-34-18; WL 118-04-34

Frequency Information

Palmdale (LOS ANGELES), CA - NL 34-34-18; WL 118-04-34

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 20M4M1D             | 4.42 pW (ERP)    | 0.01 %                    |
| 1575.42 MHz | FX            | 20M4M1D             | 4.73 pW (ERP)    | 0.01 %                    |

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee has submitted calculations that predict that the installation will be at or below the limit specified in NTIA manual section 8.3.28 condition 6.
- (3) Stop buzzer is Mr. Fred Berrong, (661) 272-7033.
- (4) Area of potential interference to GPS reception is under the control of licensee.
- (5) EIRP is no greater than -140 dbm/24 MHz at 100 feet.

This authorization effective August 01, 2011 and  
will expire 3:00 A.M. EST August 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (6) Licensee must post a sign on doors to the testing area stating GPS re-radiator in use and GPS information may be impacted for periods of time.
- (7) Operation is for indoor use only.