

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

EXPERIMENTAL

(Nature of Service)

XC      FX

(Class of Station)

WE2XOJ

(Call Sign)

0068-EX-PL-2008

(File Number)

NAME Northrop Grumman Space & Mission Systems Corp.

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) SAN DIEGO (SAN DIEGO), CA - NL 32-59-31; WL 117-04-48

Frequency Information

SAN DIEGO (SAN DIEGO), CA - NL 32-59-31; WL 117-04-48

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 24M0G1D             | 6.5 pW (ERP)     |                           |
| 1575.42 MHz | FX            | 24M0G1D             | 6.5 pW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective February 26, 2008 and  
will expire 3:00 A.M. EST March 02, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Navy contract N00024-08-C-6309. 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.
- (4) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (5) The test equipment shall only be used indoors and shall be under the control of the Northrop Grumman Corporation.
- (6) The Northrop Grumman Corporation shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (7) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Paul Wulff at Cell 858-774-8513, Office 858-592-3296.