

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

EXPERIMENTAL

(Nature of Service)

WD2XXQ

(Call Sign)

XC MO

(Class of Station)

0044-EX-RR-2008

(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) of the Commission's Rules

Station Locations

- (1) MOBILE: Maximum altitude 0 to 60000 feet, Mojave Airport (KERN), CA, within 350 km, centered around NL 35-03-24; WL 118-09-15

Frequency Information

MOBILE: Maximum altitude 0 to 60000 feet, Mojave Airport (KERN), CA, within 350 km, centered around NL 35-03-24; WL 118-09-15

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2360-2390 MHz | MO            | 3M00F9D             | 20 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) Scheduling required for each usage with Western Area Frequency Coordinator, Tel: (805) 989-1003 or (805) 989-7985, prior to operation. AFTRCC understands that the WAFC will assign a single frequency within the band 2360 to 2390 MHz in order to facilitate scheduling for multiple programs.

This authorization effective May 02, 2008 and  
will expire 3:00 A.M. EST May 01, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (5) Scheduling required for each usage with Area Frequency Coordinator, Nellis AFB, Nevada, prior to operation.
- (6) This frequency assignment in the band 2360 to 2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, Arizona, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Air Force contract number F19628-00-C-0100. 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.