

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

EXPERIMENTAL

(Nature of Service)

WE2XOZ

(Call Sign)

XD      FX MO

(Class of Station)

0085-EX-PL-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(i) of the Commission's Rules

Station Locations

- (1) PUEBLO (PUEBLO), CO - NL 38-17-21; WL 104-29-48; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km, centered around NL 38-17-21; WL 104-29-48
- (2) CENTENNIAL AIRPORT (ARAPAHOE), CO - NL 39-34-12; WL 104-50-58; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km, centered around NL 39-34-12; WL 104-50-58
- (3) MELBOURNE (BREVARD), FL - NL 28-05-54; WL 80-39-02; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km, centered around NL 28-05-54; WL 80-39-02

Frequency Information

PUEBLO (PUEBLO), CO - NL 38-17-21; WL 104-29-48; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km, centered around NL 38-17-21; WL 104-29-48

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1760 MHz  | MO            | 5M00F2C             | 32 W (ERP)       |                           |
| 2305 MHz  | FX            | 5M00F2C             | 796 W (ERP)      |                           |

This authorization effective July 07, 2008 and  
will expire 3:00 A.M. EST July 01, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

CENTENNIAL AIRPORT (ARAPAHOE), CO - NL 39-34-12; WL 104-50-58; MOBILE: Airborne, at a maximum altitude of 137:

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1760 MHz  | MO            | 5M00F2C             | 32 W (ERP)       |                           |
| 2305 MHz  | FX            | 5M00F2C             | 796 W (ERP)      |                           |

MELBOURNE (BREVARD), FL - NL 28-05-54; WL 80-39-02; MOBILE: Airborne, at a maximum altitude of 13716 meters, with

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1760 MHz  | MO            | 5M00F2C             | 32 W (ERP)       |                           |
| 2305 MHz  | FX            | 5M00F2C             | 796 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 stations in the AWS-1 F block and WCS A block may be licensed adjacent channel or co-channel to these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Stop Buzzer: Mark Cannon, (321) 652-1165.

**Special Conditions:**

(4) For operations at the Melbourne, FL location:

Subject to coordination prior to activation and, as appropriate, possible scheduling with US Air Force operations when used within interference range of such activity(ies) or station(s).

Subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use within the area bounded by 24 N 33 30'N and 83 W 90 W.

Subject to coordination with the Eastern Area Frequency Coordinator located at Patrick AFB, Florida, prior to use within the area bounded by 24 N 31 30'N and 77 W 83 W.

Licensee should be aware that US Navy operations may be licensed on these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.