

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XC      FX MO

(Class of Station)

WC9XWF

(Call Sign)

0188-EX-ST-2007

(File Number)

NAME Northrop Grumman Space & Mission Systems Corp.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

Demonstrating the Wideband Networking Waveform digital command and control network for the U.S. Army at the Yuma Proving Grounds in Arizona.

**Station Locations**

- (1) MOBILE: Yuma (YUMA), AZ, airborne with a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within 60 km, centered around NL 32-50-16; WL 114-23-23
- (2) Yuma (YUMA), AZ - NL 32-50-16; WL 114-23-23

**Frequency Information**

MOBILE: Yuma (YUMA), AZ, airborne with a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within 60 km, centered around NL 32-50-16; WL 114-23-23

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1378 MHz  | MO            | 3M00G1D             | 100 W (ERP)      |                           |

This authorization effective August 12, 2007 and  
will expire 3:00 A.M. EST February 13, 2008

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Yuma (YUMA), AZ - NL 32-50-16; WL 114-23-23

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|-----------|---------------|---------------------|------------------|---------------------------|
| 1378 MHz  | FX            | 3M00G1D             | 100 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) Northrop Grumman must coordinate use with the DoD Area Frequency Coordinator (AFC), Arizona at (520) 538-6423 and Yuma Proving Grounds Spectrum Manager at (520) 328-7144 prior to commencing demonstrations.
- (3) Northrop-Grumman Corp must coordinate with the WAFC at 760-939-6948 prior to further testing.
- (4) If this testing is to continue beyond 12 February 2008 and this STA is already an extension, Northrop-Grumman needs to apply for long term experimental FCC license.