

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

EXPERIMENTAL

(Nature of Service)

WC9XFP

(Call Sign)

XC FX MO

(Class of Station)

0561-EX-ST-2005

(File Number)

NAME Northrop Grumman Space Technology & 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 in support of a contract for the Airborne and Maritime/Fixed Station Joint Tactical Radio System.

Station Locations

- (1) MOBILE: Airborne with a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within a 60 kilometer radius around centerpoint in San Diego, California, within 60 km, centered around NL 32-59-25; WL 117-04-46
- (2) San Diego (SAN DIEGO), CA - NL 32-59-31; WL 117-04-48
- (3) San Diego (SAN DIEGO), CA - NL 32-59-25; WL 117-04-27

Frequency Information

MOBILE: Airborne with a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within a 60 kilometer radius around centerpoint in San Diego, California, within 60 km, centered around NL 32-59-25; WL 117-04-46

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

This authorization effective October 06, 2005 and will expire 3:00 A.M. EST February 02, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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

San Diego (SAN DIEGO), CA - NL 32-59-25; WL 117-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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) Scheduling with Western Area Frequency Coordinator, Steve Tosen, (805) 989-7883, is required 48 hours in advance of the use of the frequency 1378 MHz.
- (3) Northrop Grumman and the DoD JPO shall continue to work through the IRAC/SPS to get JTRS approved for the waveform and frequency band being tested.