

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

EXPERIMENTAL

(Nature of Service)

WH9XMN

(Call Sign)

XC FX MO

(Class of Station)

0312-EX-ST-2014

(File Number)

NAME Northrop Grumman Systems Corporation

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:

Demonstration of radar capabilities supporting Customs and Border Patrol operations.

Station Locations

- (1) MOBILE: Tumacacori-Carmen, AZ: max altitude 20,000 feet MSL, within 38.7 km, centered around NL 31-33-12; WL 111-01-25
- (2) Nogales (SANTA CRUZ), AZ - NL 31-20-03; WL 110-58-00

Frequency Information

MOBILE: Tumacacori-Carmen, AZ: max altitude 20,000 feet MSL, within 38.7 km, centered around NL 31-33-12; WL 111-01-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.688 GHz	MO	42M8G1D	5 W (ERP)	
16.2-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

This authorization effective May 05, 2014 and
will expire 3:00 A.M. EST July 05, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Nogales (SANTA CRUZ), AZ - NL 31-20-03; WL 110-58-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.255 GHz	FX	21M4G1D	767 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) No emissions are allowed below 16.2 GHz in the requested 16-17.4 GHz band.