

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

EXPERIMENTAL

(Nature of Service)

WH9XJU

(Call Sign)

XT FX MO

(Class of Station)

0830-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:

Testing the STARlite SAR/GMTI Tactical Radar System (STARlite) and TCDL air-to-ground data equipment.

Station Locations

- (1) Mojave (KERN), CA - NL 35-03-32; WL 118-09-05; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km
- (2) Red Bluff (TEHAMA), CA - NL 40-09-20; WL 122-15-05; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km
- (3) McClellan Park (SACRAMENTO), CA - NL 38-39-39; WL 121-23-35; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km

Frequency Information

Mojave (KERN), CA - NL 35-03-32; WL 118-09-05; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.62 GHz	MO	21M4G1D 64M0G1D	30 W (ERP)	
15.15-15.35 GHz	FX	21M4G1D	30 W (ERP)	

This authorization effective October 06, 2014 and
will expire 3:00 A.M. EST April 16, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.35 GHz	FX	64M0G1D	30 W (ERP)	

Red Bluff (TEHAMA), CA - NL 40-09-20; WL 122-15-05; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.62 GHz	MO	21M4G1D 64M0G1D	30 W (ERP)	
15.15-15.35 GHz	FX	21M4G1D 64M0G1D	30 W (ERP)	

McClellan Park (SACRAMENTO), CA - NL 38-39-39; WL 121-23-35; MOBILE: Airborne at max altitude of 50,000 ft, within 185 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.62 GHz	MO	21M4G1D 64M0G1D	30 W (ERP)	
15.15-15.35 GHz	FX	21M4G1D 64M0G1D	30 W (ERP)	

Special Conditions:

- (1) Northrop Grumman Systems Corporation must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any operations to mitigate harmful interference. Northrop Grumman Systems Corporation must also comply with any and all restrictions that may be levied by WAFC.

Special Conditions:

- (2) Northrop Grumman should utilize the 14.7145 - 15-1365 GHz band for the Mobile portion of the test.