

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

EXPERIMENTAL

(Nature of Service)

WS9XGS

(Call Sign)

XT MO

(Class of Station)

0897-EX-ST-2021

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

Station Locations

- (1) MOBILE: Red Bluff, CA: Airborne at maximum altitude of 50,000 feet, within 5 km, centered around NL 40-09-20; WL 122-15-05
- (2) MOBILE: Mojave CA Airborne max altitude 50,000 feet, within 185 km, centered around NL 35-03-32; WL 118-09-05

Frequency Information

MOBILE: Red Bluff, CA: Airborne at maximum altitude of 50,000 feet, within 5 km, centered around NL 40-09-20; WL 122-15-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.62 GHz	MO	21M4G1D 64M0G1D	15.9 W (ERP)	
15.25 GHz	MO	64M0G1D 21M4G1D	15.9 W (ERP)	

This authorization effective June 23, 2021 and
will expire 3:00 A.M. EST December 24, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Red Bluff, CA: Airborne at maximum altitude of 50,000 feet, within 5 km, centered around NL 40-09-20; WL 122-15-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	600MQ3N 632MQ3N 202MQ3N	32 W (Output Power)	

MOBILE: Mojave CA Airborne max altitude 50,000 feet, within 185 km, centered around NL 35-03-32; WL 118-09-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.62 GHz	MO	21M4G1D 64M0G1D	15.9 W (ERP)	
15.25 GHz	MO	21M4G1D 64M0G1D	15.9 W (ERP)	
16.2-17.3 GHz	MO	202MQ3N 600MQ3N 632MQ3N	32 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 Systems Corporation must coordinate with Western Area Frequency Coordinator, 760-939-6948, prior to operation.