

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

EXPERIMENTAL

(Nature of Service)

WA8XGZ

(Call Sign)

XT MO

(Class of Station)

1500-EX-ST-2026

(File Number)

NAME Lockheed Martin 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:

Applicant seeks to operate an airborne Synthetic Aperture Radar (SAR) as Research and Development is conducted in support of revolutionary capabilities for SAR applications in

Station Locations

- (1) MOBILE: Point Loma, CA, within 55 km, centered around NL 32-42-12; WL 117-15-18
- (2) MOBILE: Riviera Beach, FL, within 55 km, centered around NL 26-45-12; WL 80-01-29

Frequency Information

MOBILE: Point Loma, CA, within 55 km, centered around NL 32-42-12; WL 117-15-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16400 MHz	MO	1G50F0N	50.1 W (ERP)	

This authorization effective August 24, 2026 and
will expire 3:00 A.M. ET November 28, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Riviera Beach, FL, within 55 km, centered around NL 26-45-12; WL 80-01-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16400 MHz	MO	1G50F0N	50.1 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) For the California location:
 - a. Do not transmit within 15 km of coordinates for SAN, LAX. If the transmitter altitude is greater than 30,000 feet, then include SFO in the list of airports.
 - b. Do not transmit on a 3-dimensional bearing* within 12° of the bearing from the transmitter location to the coordinates for the SAN or LAX airports. If the transmitter altitude is greater than 30,000 feet, then include SFO in the list of airports.
 - i. San Diego (SAN): [(32° 44' 01' N) (117° 11' 23" W)]
 - ii. Los Angeles (LAX): [(33° 56' 33" N) (118° 24' 29" W)]
 - iii. San Francisco (SFO): [(37° 37' 08" N) (122° 22' 30" W)]
- (3) For the Florida location:
 - a. Do not transmit within 15 km of coordinates for the Miami (MIA) airport.
 - b. Do not transmit on a 3-dimensional bearing* within 12° of the bearing from the transmitter location to the coordinates for the MIA airport.
 - i. Miami (MIA): [(25° 47' 36" N) (080° 17' 26" W)]