

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

EXPERIMENTAL

(Nature of Service)

WM9XQH

(Call Sign)

XT FX MO

(Class of Station)

0674-EX-ST-2018

(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 authority to operate the identified equipment.

Station Locations

- (1) Fort Walton Beach (OKALOOSA), FL - NL 30-23-30; WL 86-45-57; MOBILE: Fort Walton Beach, FL. Flight altitude up to 10,000 ft, within 100 km, centered around NL 30-23-30; WL 86-45-57

Frequency Information

Fort Walton Beach (OKALOOSA), FL - NL 30-23-30; WL 86-45-57; MOBILE: Fort Walton Beach, FL. Flight altitude up to 10,0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
490 MHz	MO	1M00G1D 69M0G1D	110 W (ERP)	0.0003 %
490 MHz	FX	1M00G1D 69M0G1D	1.25 kW (ERP)	0.0003 %

This authorization effective May 04, 2018 and
will expire 3:00 A.M. EST November 05, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Walton Beach (OKALOOSA), FL - NL 30-23-30; WL 86-45-57; MOBILE: Fort Walton Beach, FL. Flight altitude up to 10,0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400 MHz	MO	125MF1D 125MG1D	250 W (ERP)	0.0003 %
3400 MHz	FX	125MF1D 125MG1D	100 kW (ERP)	0.0003 %

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) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Lockheed Martin Corporation coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation on 490 MHz to protect the Broadcast Auxiliary Service operations.
- (4) Stop Buzzer: Ryan Terry, Phone: 703-413-5747, Email: ryan.n.terry@lmco.com
- (5) Operations in the 449.75-450.25 MHz band must be in compliance with the coordination agreements reached between the Licensee and satellite operators of Planet Labs, Inc. and Spire Global, Inc.
- (6) Licensee must maintain a point of contact available 24 hours per day, seven days per week, with the authority and ability to terminate operations authorized herein, for discussing interference concerns with other licensees, and must submit a letter to be included in its license file with the name and telephone number of the point of contact prior to commencing operation.
- (7) Airborne receiver authorized herein must not be used for air traffic control communications.
- (8) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (9) Lockheed Martin should have no expectations of automatic approval for use of this equipment in future submissions.
- (10) Lockheed Martin shall provide notification of testing times and locations to the NASA Johnson Space Center (JSC) Spectrum Manager, Cathy Sham at catherine.c.sham@nasa.gov, and the NASA JSC Alternate Spectrum Manager, Alan Chu at alan.h.chu@nasa.gov, at least 14 business days prior to operations.
- (11) The Stop Buzzer POC information shall be provided for all operations. This phone shall be manned at all times during operations.

Special Conditions:

- (12) NTIA concurs only with the use of 490 MHz and 3400 MHz due to the potential interference with numerous agency operations in the area.