

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WF2XWP

(Call Sign)

0546-EX-CR-2019

(File Number)

NAME Lockheed Martin Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-55; MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04-55

Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-55; MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9003.670588 MHz	FX	116MP0N	8.88 MW (ERP)	
9007.622047 MHz	FX	116MP0N	8.88 MW (ERP)	
9019.352941 MHz	FX	116MP0N	8.88 MW (ERP)	
9035.035294 MHz	FX	116MP0N	8.9 MW (ERP)	

This authorization effective November 01, 2019 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
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Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-55; MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9039.110236 MHz	FX	116MP0N	8.91 MW (ERP)	
9050.717647 MHz	FX	116MP0N	8.93 MW (ERP)	
9066.4 MHz	FX	116MP0N	8.99 MW (ERP)	
9070.598425 MHz	FX	116MP0N	9.06 MW (ERP)	
9082.082353 MHz	FX	116MP0N	9.1 MW (ERP)	
9097.764706 MHz	FX	116MP0N	9.15 MW (ERP)	
9102.086614 MHz	FX	116MP0N	9.19 MW (ERP)	
9113.447059 MHz	FX	116MP0N	8.64 MW (ERP)	
9129.129412 MHz	FX	116MP0N	8.68 MW (ERP)	
9133.574803 MHz	FX	116MP0N	8.44 MW (ERP)	

Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-55; MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9144.811765 MHz	FX	116MP0N	8.2 MW (ERP)	
9160.494118 MHz	FX	116MP0N	8.05 MW (ERP)	
9165.062992 MHz	FX	116MP0N	7.89 MW (ERP)	
9176.176471 MHz	FX	116MP0N	7.74 MW (ERP)	
9191.858824 MHz	FX	116MP0N	7.53 MW (ERP)	
9196.551181 MHz	FX	116MP0N	7.31 MW (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Southern Coordinator, Atlanta, GA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Southern Coordinator, Atlanta, GA, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Pulse Repetition Rate = 70K pps
Pulse Duration = 0.055 usec

Special Conditions:

- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract numbers FA8682-10-C-0016 and HR0011-09-C-0096. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (7) The direction of radiation is limited to 147 Deg reference to True North.
- (8) The licensee shall not constrain or limit the present or future growth of non-Federal and Federal radio services in the area of operation. Furthermore, the licensee shall:
 - (1.) be responsible for remedying RF interference caused to non-Federal and Federal users including terminating transmissions if necessary to resolve interference,
 - (2.) maintain a transmission log as a standard operating procedure,
 - (3.) periodically check the FCC licensing databases to monitor the authorizations granted in the area of operation, and
 - (4.) notify appropriate the FCC Field Office(s) of the test locations and duration of operation.