

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WF2XZE

(Call Sign)

0401-EX-PL-2011

(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(b) of the Commission's Rules

Station Locations

(1) Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-56

Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1301.587302 MHz	FX	40M0P0N	235.1 W (ERP)	
1317.460317 MHz	FX	40M0P0N	235.1 W (ERP)	
1322.580645 MHz	FX	40M0P0N	235.1 W (ERP)	
1333.333333 MHz	FX	40M0P0N	258.8 W (ERP)	

This authorization effective May 07, 2012 and
will expire 3:00 A.M. EST December 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1444.444444 MHz	FX	40M0P0N	286.6 W (ERP)	
1451.612903 MHz	FX	40M0P0N	281.8 W (ERP)	
1460.31746 MHz	FX	40M0P0N	298.6 W (ERP)	
1476.190476 MHz	FX	40M0P0N	314.4 W (ERP)	
1483.870968 MHz	FX	40M0P0N	295.5 W (ERP)	
1492.063492 MHz	FX	40M0P0N	286 W (ERP)	
1507.936508 MHz	FX	40M0P0N	280.5 W (ERP)	
1516.129032 MHz	FX	40M0P0N	270.6 W (ERP)	
1523.809524 MHz	FX	40M0P0N	260.6 W (ERP)	
1634.920635 MHz	FX	40M0P0N	179.5 W (ERP)	

Frequency Information

Bithlo (ORANGE), FL - NL 28-22-38; WL 81-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1698.412698 MHz	FX	40M0P0N	239.8 W (ERP)	
1709.677419 MHz	FX	40M0P0N	228.8 W (ERP)	
1710-1755 MHz	FX	40M0P0N	221.5 W (ERP)	
1755-1842 MHz	FX	40M0P0N	214.6 W (ERP)	
1850-2000 MHz	FX	40M0P0N	202.9 W (ERP)	

Special Conditions:

- (1) All operations subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use with the area bounded by 27 degrees N. 33 degrees 30' N; and 83 degrees W. 90 degrees W.
- (2) 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.
- (3) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (6) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

Special Conditions:

- (7) 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.
- (8) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (9) All operations subject to coordination with the Eastern Area Frequency Coordinator located at Patrick AFB, Florida, prior to use within the area bounded by 24 degrees N, 31 degrees 30' N and 77 degrees W, 83 degrees W.
- (10) 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. The Stop Buzzer for this authorization is Robert Reim at (407) 568-7100.
- (11) 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 number FA8682-10-C-0016. 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.
- (12) Due to anticipated harmful interferences to the federal operations no emission is permitted in the following frequency bands: 1559-1610 MHz, 1548.387097 MHz, 1555.555556 MHz, 1612.903226 MHz, 1619.047619 MHz.
- (13) All operations in frequencies: 1301.587302 , 1317.460317 , 1322.580645 , 1333.333333 (All in MHz) are limited to:
Pulse Duration: 0.055 usec
Pulse Repetition Rate: 60K pps