

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WG2XJE

(Call Sign)

0031-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 28-22-35; WL 81-04-55

Frequency Information

BITHLO (ORANGE), FL - NL 28-22-35; WL 81-04-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-960 MHz	FX	50M0P0N	300 W (ERP)	
2900-3650 MHz	FX	200MP0N	5.8 MW (ERP)	
4400-4990 MHz	FX	400MP0N	10.2 MW (ERP)	
5250-5600 MHz	FX	255MP0N	10.2 MW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

BITHLO (ORANGE), FL - NL 28-22-35; WL 81-04-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5670-5925 MHz	FX	255MP0N	10.2 MW (ERP)	
8500-9000 MHz	FX	400MP0N	12.9 MW (ERP)	
9230-10000 MHz	FX	400MP0N	12.9 MW (ERP)	
15400-18000 MHz	FX	400MP0N	13.5 MW (ERP)	
33400-36000 MHz	FX	400MP0N	15 MW (ERP)	
95-100 GHz	FX	400MP0N	15 MW (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) 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (5) All operations on frequencies allocated to the fixed microwave service must be prior coordinated with existing fixed microwave stations in accordance with 47 CFR, Part 101.103(d).
- (6) Operations shall be coordinated in accordance with CFR 47 Part 25.251.

Special Conditions:

- (7) 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.
- (8) No operation is permitted in 5600-5670 MHz.
- (9) The designated point-of-contact to terminate transmissions if interference occurs is Del Hardy at (407) 568-7051.