

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WG2XKL

(Call Sign)

0558-EX-PL-2012

(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 28-22-35; 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 (+/-)
1222.222222 MHz	FX	50M0P0N	155.03 W (ERP)	
1225.806452 MHz	FX	50M0P0N	155.75 W (ERP)	
1238.095238 MHz	FX	50M0P0N	153.89 W (ERP)	
1253.968254 MHz	FX	50M0P0N	161.15 W (ERP)	

This authorization effective April 04, 2013 and
will expire 3:00 A.M. EST April 01, 2015

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COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1258.064516 MHz	FX	50M0P0N	162.26 W (ERP)	
1269.84127 MHz	FX	50M0P0N	163.76 W (ERP)	
1285.714286 MHz	FX	50M0P0N 50M0P0N	144.62 W (ERP)	
1290.322581 MHz	FX	50M0P0N	186.22 W (ERP)	
1354.83871 MHz	FX	50M0P0N	221.83 W (ERP)	
1365.079365 MHz	FX	50M0P0N	227 W (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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.

Special Conditions:

- (5) Pulse Repetition Rate = 60K pps
Pulse Duration = FX 0.055 usec

- (6) Operation is not permitted in the following frequencies: 1380.952381 MHz,
1387.096774 MHz, and 1396.825397 MHz.