

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

EXPERIMENTAL

(Nature of Service)

WG2XKT

(Call Sign)

XD      FX MO

(Class of Station)

0513-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(i) of the Commission's Rules

Station Locations

- (1) Patuxent River (ST MARYS), MD - NL 38-17-26; WL 76-24-33; MOBILE: Patuxent River [ST. MARYS], MD, within 100 km, centered around NL 38-17-26; WL 76-24-33

Frequency Information

Patuxent River (ST MARYS), MD - NL 38-17-26; WL 76-24-33; MOBILE: Patuxent River [ST. MARYS], MD, within 100 km, c

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 29.5-30 GHz | FX            | 18M0G1W             | 50118 W (ERP)    |                           |

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) POINT OF COMMUNICATION: AMC-16.
- (4) The designated points-of-contact to terminate transmissions if interference occurs are: (607) 426-2525 and (607) 206-0097.
- (5) Maximum aircraft AGL is 5000 ft.
- (6) Licensee must comply with the FCC CFR 47, Part 25 rules.

This authorization effective November 26, 2012 and  
will expire 3:00 A.M. EST December 01, 2014

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (7) Operation is subject to prior coordination with incumbent licensees within 500 KM from center of coordinates on the license.
- (8) The licensee must record the location (latitude/longitude/altitude), at intervals of not greater than 1 minute while the experimental station is transmitting. The licensee shall make this data available within 24 hours of a request from the Commission.