

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

EXPERIMENTAL

(Nature of Service)

WE2XWK

(Call Sign)

XD FX MO

(Class of Station)

0464-EX-PL-2008

(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) Fort Bragg (CUMBERLAND), NC - NL 35-08-18; WL 78-59-52
- (2) MOBILE: Fort Bragg, NC, within 10 km, centered around NL 35-08-18; WL 78-59-52
- (3) Newtown (BUCKS), PA - NL 40-13-46; WL 74-53-52
- (4) MOBILE: Newtown, PA, within 10 km, centered around NL 40-13-46; WL 74-53-52
- (5) Suffolk (SOUTHAMPTON), VA - NL 36-52-10; WL 76-26-27
- (6) MOBILE: Suffolk, VA, centered around NL 36-52-10; WL 76-26-27

Frequency Information

Fort Bragg (CUMBERLAND), NC - NL 35-08-18; WL 78-59-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	FX		10 MW (ERP)	
		2M15G7D		
		2M30G7D		
		2M86G7D		
		5M73G7D		
		9M22G7D		
		11M4G7D		

This authorization effective May 12, 2009 and
will expire 3:00 A.M. EST May 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Fort Bragg, NC, within 10 km, centered around NL 35-08-18; WL 78-59-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	MO	2M15G7D 2M30G7D 2M86G7D 5M73G7D 9M22G7D 11M4G7D	34.5 kW (ERP)	

Newtown (BUCKS), PA - NL 40-13-46; WL 74-53-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	FX	2M15G7D 2M30G7D 2M86G7D 5M73G7D 9M22G7D 11M4G7D	10 MW (ERP)	

MOBILE: Newtown, PA, within 10 km, centered around NL 40-13-46; WL 74-53-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	MO	2M15G7D 2M30G7D 2M86G7D 5M73G7D 9M22G7D 11M4G7D	34.5 kW (ERP)	

Frequency Information

Suffolk (SOUTHAMPTON), VA - NL 36-52-10; WL 76-26-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	FX	2M15G7D 2M30G7D 5M73G7D 9M22G7D 11M4G7D	10 MW (ERP)	

MOBILE: Suffolk, VA, centered around NL 36-52-10; WL 76-26-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.218-8.4 GHz	MO	2M15G7D 2M30G7D 2M86G7D 5M73G7D 9M22G7D 11M4G7D	34.5 kW (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) No operation is permitted in and around Gaithersburg (Montgomery), MD, due to anticipated harmful interference to government operations.
- (4) POINT OF COMMUNICATION: Satellite XTAR-LANT