

**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)

0069-EX-ML-2009

(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 (CUMBERLAND), 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 (BUCKS), 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 (SOUTHAMPTON), VA, centered around NL 36-52-10; WL 76-26-27
- (7) Gaithersburg (MONTGOMERY), MD - NL 39-09-10; WL 77-12-59; MOBILE: Gaithersburg (MONTGOMERY), MD, within 10 km, centered around NL 39-09-10; WL 77-12-59
- (8) MOBILE: Gaithersburg (MONTGOMERY), MD, within 10 km, centered around NL 39-09-10; WL 77-12-59

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	2M15G7D 2M30G7D 2M86G7D 5M73G7D	10 MW (ERP)	

This authorization effective July 24, 2009 and
will expire 3:00 A.M. EST May 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



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	9M22G7D 11M4G7D	10 MW (ERP)	

MOBILE: Fort Bragg (CUMBERLAND), 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)	

Frequency Information

MOBILE: Newtown (BUCKS), 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)	

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 (SOUTHAMPTON), 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)	

Frequency Information

Gaithersburg (MONTGOMERY), MD - NL 39-09-10; WL 77-12-59; MOBILE: Gaithersburg (MONTGOMERY), MD, within 10 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.26-8.265 GHz	FX	2M86G7D 2M15G7D 2M30G7D	10 MW (ERP)	
8.295-8.306 GHz	FX	2M86G7D 2M15G7D 2M30G7D 5M73G7D	10 MW (ERP)	
8.314-8.345 GHz	FX	2M86G7D 2M15G7D 2M30G7D 5M73G7D 9M22G7D 11M4G7D	10 MW (ERP)	
8.375-8.386 GHz	FX	2M86G7D 2M15G7D 2M30G7D 5M73G7D	10 MW (ERP)	

MOBILE: Gaithersburg (MONTGOMERY), MD, within 10 km, centered around NL 39-09-10; WL 77-12-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.26-8.265 GHz	MO	2M15G7D 2M30G7D	34.5 kW (ERP)	

Frequency Information

MOBILE: Gaithersburg (MONTGOMERY), MD, within 10 km, centered around NL 39-09-10; WL 77-12-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.26-8.265 GHz	MO	2M86G7D	34.5 kW (ERP)	
8.295-8.306 GHz	MO	2M15G7D 2M30G7D 2M86G7D 5M73G7D	34.5 kW (ERP)	
8.314-8.345 GHz	MO	11M4G7D 9M22G7D 5M73G7D 2M86G3D 2M30G7D 2M15G7D	34.5 kW (ERP)	
8.375-8.386 GHz	MO	2M15G7D 2M30G7D 2M86G7D 5M73G7D	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) 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) POINT OF COMMUNICATION: Satellite XTAR-LANT