

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

EXPERIMENTAL

(Nature of Service)

WF2XJO

(Call Sign)

XD FX MO

(Class of Station)

0060-EX-RR-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) Lakehurst NAE (OCEAN), NJ - NL 40-01-39; WL 74-21-16; MOBILE: Lakehurst NAE [OCEAN], NJ, within 10 km, centered around NL 40-01-39; WL 74-21-16
- (2) Red Lion (BURLINGTON), NJ - NL 39-53-48; WL 74-45-00; MOBILE: Red Lion [BURLINGTON], NJ, within 1 km, centered around NL 39-53-48; WL 74-45-00
- (3) Pennsauken (CAMDEN), NJ - NL 39-59-07; WL 75-01-27; MOBILE: Pennsauken [CAMDEN], NJ, within 1 km, centered around NL 39-59-07; WL 75-01-27
- (4) Cherry Hill (CAMDEN), NJ - NL 39-55-53; WL 75-03-03; MOBILE: Cherry Hill [CAMDEN], NJ, within 1 km

Frequency Information

Lakehurst NAE (OCEAN), NJ - NL 40-01-39; WL 74-21-16; MOBILE: Lakehurst NAE [OCEAN], NJ, within 10 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	FX	17M2G1D	1 W (ERP)	
2.417 GHz	FX	17M2G1D	1 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lakehurst NAE (OCEAN), NJ - NL 40-01-39; WL 74-21-16; MOBILE: Lakehurst NAE [OCEAN], NJ, within 10 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.422 GHz	FX	17M2G1D	1 W (ERP)	
2.427 GHz	FX	17M2G1D	1 W (ERP)	
2.432 GHz	FX	17M2G1D	1 W (ERP)	
2.437 GHz	FX	17M2G1D	1 W (ERP)	
2.442 GHz	FX	17M2G1D	1 W (ERP)	
2.447 GHz	FX	17M2G1D	1 W (ERP)	
2.452 GHz	FX	17M2G1D	1 W (ERP)	
2.457 GHz	FX	17M2F1D	1 W (ERP)	
2.462 GHz	FX	17M2G1D	1 W (ERP)	

Frequency Information

Red Lion (BURLINGTON), NJ - NL 39-53-48; WL 74-45-00; MOBILE: Red Lion [BURLINGTON], NJ, within 1 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	FX	17M2G1D	1 W (ERP)	
2.417 GHz	FX	17M2G1D	1 W (ERP)	
2.422 GHz	FX	17M2G1D	1 W (ERP)	
2.427 GHz	FX	17M2G1D	1 W (ERP)	
2.432 GHz	FX	17M2G1D	1 W (ERP)	
2.437 GHz	FX	17M2G1D	1 W (ERP)	
2.442 GHz	FX	17M2G1D	1 W (ERP)	
2.447 GHz	FX	17M2G1D	1 W (ERP)	
2.452 GHz	FX	17M2G1D	1 W (ERP)	
2.457 GHz	FX	17M2G1D	1 W (ERP)	

Frequency Information

Red Lion (BURLINGTON), NJ - NL 39-53-48; WL 74-45-00; MOBILE: Red Lion [BURLINGTON], NJ, within 1 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.462 GHz	FX	17M2G1D	1 W (ERP)	

Pennsauken (CAMDEN), NJ - NL 39-59-07; WL 75-01-27; MOBILE: Pennsauken [CAMDEN], NJ, within 1 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	FX	17M2G1D	1 W (ERP)	
2.417 GHz	FX	17M2G1D	1 W (ERP)	
2.422 GHz	FX	17M2G1D	1 W (ERP)	
2.427 GHz	FX	17M2G1D	1 W (ERP)	
2.432 GHz	FX	17M2G1D	1 W (ERP)	
2.437 GHz	FX	17M2G1D	1 mW (ERP)	
2.442 GHz	FX	17M2G1D	1 W (ERP)	
2.447 GHz	FX	17M2G1D	1 W (ERP)	

Frequency Information

Pennsauken (CAMDEN), NJ - NL 39-59-07; WL 75-01-27; MOBILE: Pennsauken [CAMDEN], NJ, within 1 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.452 GHz	FX	17M2G1D	1 W (ERP)	
2.457 GHz	FX	17M2G1D	1 W (ERP)	
2.462 GHz	FX	17M2G1D	1 W (ERP)	

Cherry Hill (CAMDEN), NJ - NL 39-55-53; WL 75-03-03; MOBILE: Cherry Hill [CAMDEN], NJ, within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	FX	17M2G1D	1 W (ERP)	
2.417 GHz	FX	17M2G1D	1 W (ERP)	
2.422 GHz	FX	17M2G1D	1 W (ERP)	
2.427 GHz	FX	17M2G1D	1 W (ERP)	
2.432 GHz	FX	17M2G1D	1 W (ERP)	
2.437 GHz	FX	17M2G1D	1 W (ERP)	

Frequency Information

Cherry Hill (CAMDEN), NJ - NL 39-55-53; WL 75-03-03; MOBILE: Cherry Hill [CAMDEN], NJ, within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.442 GHz	FX	17M2G1D	1 W (ERP)	
2.447 GHz	FX	17M2G1D	1 W (ERP)	
2.452 GHz	FX	17M2G1D	1 W (ERP)	
2.457 GHz	FX	17M2G1D	1 W (ERP)	
2.462 GHz	FX	17M2G1D	1 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) All operations are limited to AGL of 100 meters.