

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

EXPERIMENTAL

(Nature of Service)

WG2XAF

(Call Sign)

XE MO

(Class of Station)

0606-EX-PL-2011

(File Number)

NAME Lockheed Martin Corporaiton

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) MOBILE: Fort Worth, TX, within 100 km, centered around NL 32-46-09; WL 97-26-30
- (2) MOBILE: Possum Kingdom Lake, TX, within 100 km, centered around NL 32-49-27; WL 98-32-38
- (3) MOBILE: Fort Sill, Lawton, OK, within 100 km, centered around NL 34-38-59; WL 98-24-08

Frequency Information

MOBILE: Fort Worth, TX, within 100 km, centered around NL 32-46-09; WL 97-26-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4410 MHz	MO	18M5F9W	239.88 W (ERP)	
4410 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4430 MHz	MO	18M5F9W	239.88 W (ERP)	

This authorization effective March 02, 2012 and
will expire 3:00 A.M. EST March 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Fort Worth, TX, within 100 km, centered around NL 32-46-09; WL 97-26-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4430 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4450 MHz	MO	18M5F9W	239.88 W (ERP)	
4450 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4510 MHz	MO	18M5F9W	239.88 W (ERP)	
4510 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4590 MHz	MO	18M5F9W	239.88 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4650 MHz	MO	18M5F9W	239.88 W (ERP)	
4650 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	

Frequency Information

MOBILE: Fort Worth, TX, within 100 km, centered around NL 32-46-09; WL 97-26-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4670 MHz	MO	18M5F9W	239.88 W (ERP)	
4670 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4690 MHz	MO	18M5F9W	239.88 W (ERP)	
4690 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4750 MHz	MO	18M5F9W	239.88 W (ERP)	
4750 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4790 MHz	MO	18M5F9W	239.88 W (ERP)	
4790 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4850 MHz	MO	18M5F9W	239.88 W (ERP)	
4850 MHz	MO	17M0F9W	60.255 W (ERP)	

Frequency Information

MOBILE: Fort Worth, TX, within 100 km, centered around NL 32-46-09; WL 97-26-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4850 MHz	MO	1M62F1D	60.255 W (ERP)	
4930 MHz	MO	18M5F9W	239.88 W (ERP)	
4930 MHz	MO	17M0F9W 1M62F1D 1M62F1D	60.255 W (ERP)	

MOBILE: Possum Kingdom Lake, TX, within 100 km, centered around NL 32-49-27; WL 98-32-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4410 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4410 MHz	MO	18M5F9W	239.88 W (ERP)	
4430 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4430 MHz	MO	18M5F9W	239.88 W (ERP)	
4450 MHz	MO	17M0F9W	60.255 W (ERP)	

Frequency Information

MOBILE: Possum Kingdom Lake, TX, within 100 km, centered around NL 32-49-27; WL 98-32-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4450 MHz	MO	1M62F1D	60.255 W (ERP)	
4450 MHz	MO	18M5F9W	239.88 W (ERP)	
4510 MHz	MO	17M0F9D 1M62F1D	60.255 W (ERP)	
4510 MHz	MO	18M5F9W	239.88 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4590 MHz	MO	18M5F9W	239.88 W (ERP)	
4650 MHz	MO	18M5F9W	239.88 W (ERP)	
4650 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4670 MHz	MO	18M5F9W	239.88 W (ERP)	
4670 MHz	MO	17M0F9W	60.255 W (ERP)	

Frequency Information

MOBILE: Possum Kingdom Lake, TX, within 100 km, centered around NL 32-49-27; WL 98-32-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4670 MHz	MO	1M62F1D	60.255 W (ERP)	
4690 MHz	MO	18M5F9W	239.88 W (ERP)	
4690 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4750 MHz	MO	18M5F9W	239.88 W (ERP)	
4750 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4790 MHz	MO	18M5F9W	239.88 W (ERP)	
4790 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4850 MHz	MO	18M5F9W	239.88 W (ERP)	
4850 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	

Frequency Information

MOBILE: Possum Kingdom Lake, TX, within 100 km, centered around NL 32-49-27; WL 98-32-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4930 MHz	MO	18M5F9W	239.88 W (ERP)	
4930 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	

MOBILE: Fort Sill, Lawton, OK, within 100 km, centered around NL 34-38-59; WL 98-24-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4410 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4410 MHz	MO	18M5F9W	239.88 W (ERP)	
4430 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4430 MHz	MO	18M5F9W	239.88 W (ERP)	
4450 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4450 MHz	MO	18M5F9W	239.88 W (ERP)	

Frequency Information

MOBILE: Fort Sill, Lawton, OK, within 100 km, centered around NL 34-38-59; WL 98-24-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4510 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4510 MHz	MO	18M5F9W	239.88 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4590 MHz	MO	18M5F8W	239.88 W (ERP)	
4650 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4650 MHz	MO	18M5F9W	239.88 W (ERP)	
4670 MHz	MO	18M5F9F	239.88 W (ERP)	
4670 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4690 MHz	MO	18M5F9W	239.88 W (ERP)	
4690 MHz	MO	17M0F9W	60.255 W (ERP)	

Frequency Information

MOBILE: Fort Sill, Lawton, OK, within 100 km, centered around NL 34-38-59; WL 98-24-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4690 MHz	MO	1M62F1D	60.255 W (ERP)	
4750 MHz	MO	18M5F9W	239.88 W (ERP)	
4750 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4790 MHz	MO	18M5F9W	239.88 W (ERP)	
4790 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4850 MHz	MO	18M5F9W	239.88 W (ERP)	
4850 MHz	MO	17M0F9W 1M62F1D	60.255 W (ERP)	
4930 MHz	MO	18M5F9W	239.88 W (ERP)	
4930 MHz	MO	17M0F9W 1M62F1D	60.255 W (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.