

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

EXPERIMENTAL

(Nature of Service)

WE2XJZ

(Call Sign)

XT FX MO

(Class of Station)

0500-EX-PL-2007

(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) Sunnyvale (SANTA CLARA), CA - NL 37-24-55; WL 122-02-07; MOBILE: Temporary fixed location, Sunnyvale (SANTA CLARA), CA, within 2 km, centered around NL 37-24-55; WL 122-02-07
- (2) Gaithersburg, MD - NL 39-09-11; WL 77-12-58; MOBILE: Temporary fixed location, Gaithersburg, MD, within 1 km, centered around NL 39-09-11; WL 77-12-58
- (3) Clarksburg, MD - NL 39-13-09; WL 77-16-29; MOBILE: Temporary fixed location, Clarkburg, MD, within 2 km, centered around NL 39-13-09; WL 77-16-29
- (4) Suffolk, VA - NL 36-53-37; WL 76-26-09; MOBILE: Temporary fixed location, Suffolk, VA, within 1 km, centered around NL 36-53-37; WL 76-26-09
- (5) Fort Worth, TX - NL 32-45-30; WL 97-29-17; MOBILE: Temporary fixed location, Fort Worth, TX, within 5 km, centered around NL 32-45-30; WL 97-29-17

Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-24-55; WL 122-02-07; MOBILE: Temporary fixed location, Sunnyvale (SANTA CLA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	5M73G1D	49.65 W (ERP)	
14-14.5 GHz	FX	5M73G1D	49.65 W (ERP)	

This authorization effective November 01, 2007 and
will expire 3:00 A.M. EST November 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Gaithersburg, MD - NL 39-09-11; WL 77-12-58; MOBILE: Temporary fixed location, Gaithersburg, MD, within 1 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	5M73G1D	49.65 W (ERP)	
14-14.5 GHz	FX	5M73G1D	49.65 W (ERP)	

Clarksburg, MD - NL 39-13-09; WL 77-16-29; MOBILE: Temporary fixed location, Clarkburg, MD, within 2 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	5M70G1D	49.65 W (ERP)	
14-14.5 GHz	MO	5M70G1D	49.65 W (ERP)	

Suffolk, VA - NL 36-53-37; WL 76-26-09; MOBILE: Temporary fixed location, Suffolk, VA, within 1 km, centered around NL 36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	5M73G1D	49.65 W (ERP)	
14-14.5 GHz	MO	5M73G1D	49.65 W (ERP)	

Frequency Information

Fort Worth, TX - NL 32-45-30; WL 97-29-17; MOBILE: Temporary fixed location, Fort Worth, TX, within 5 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	5M73G1D	49.65 W (ERP)	
14-14.5 GHz	MO	5M73G1D	49.65 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.
- (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) POINTS OF COMMUNICATION: SES Americom AMC-6 and SES Americom AMC-9 Satellites.