

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

EXPERIMENTAL
(Nature of Service)

WA2XTC
(Call Sign)

XD MO
(Class of Station)

0059-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(d, h) of the Commission's Rules

Station Locations

- (1) MOBILE: Orlando (ORANGE), FL, within 25 km, centered around NL 28-26-43; WL 81-27-33
- (2) MOBILE: Eglin AFB (OKALOOSA), FL, within 65 km, centered around NL 30-27-38; WL 86-32-59
- (3) MOBILE: Point Mugu (VENTURA), CA, within 65 km, centered around NL 34-07-23; WL 119-07-15
- (4) MOBILE: Orlando (ORANGE), FL, within 5 km, centered around NL 28-21-48; WL 81-04-13
- (5) MOBILE: Huntsville (MADISON), AL, within 20 km, centered around NL 34-38-44; WL 86-42-03
- (6) MOBILE: Alamogordo (OTERO), NM, within 20 km, centered around NL 32-28-21; WL 106-19-24

Frequency Information

MOBILE: Orlando (ORANGE), FL, within 25 km, centered around NL 28-26-43; WL 81-27-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	11K3F1D	100 W (ERP)	

This authorization effective June 16, 2009 and
will expire 3:00 A.M. EST August 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Orlando (ORANGE), FL, within 25 km, centered around NL 28-26-43; WL 81-27-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.55 MHz	MO	20K0F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

MOBILE: Eglin AFB (OKALOOSA), FL, within 65 km, centered around NL 30-27-38; WL 86-32-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	20K0F1D 11K3F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

Frequency Information

MOBILE: Point Mugu (VENTURA), CA, within 65 km, centered around NL 34-07-23; WL 119-07-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

MOBILE: Orlando (ORANGE), FL, within 5 km, centered around NL 28-21-48; WL 81-04-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

Frequency Information

MOBILE: Huntsville (MADISON), AL, within 20 km, centered around NL 34-38-44; WL 86-42-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

MOBILE: Alamogordo (OTERO), NM, within 20 km, centered around NL 32-28-21; WL 106-19-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
464.55 MHz	MO	11K3F1D 20K0F1D	100 W (ERP)	
469.5 MHz	MO	11K3F1D	100 W (ERP)	
469.55 MHz	MO	11K3F1D	100 W (ERP)	

Special Conditions:

- (1) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (2) All operations subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use with the area bounded by 27 degrees N. 33 degrees 30' N; and 83 degrees W. 90 degrees W.
- (3) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) The station identification requirements of Section 5.115 of the Commission's Rules are waived.