

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

EXPERIMENTAL

(Nature of Service)

WD2XUU

(Call Sign)

XC MO

(Class of Station)

0171-EX-RR-2008

(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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Riviera Beach, FL, operating in rectangular area bounded by latitudes 26-45-00 N, 26-27-00N and longitudes 080-01-00 W., 080-03-00 W.
- (2) MOBILE: West Palm Beach, FL, within 1000 feet radius of coordinates, within 0.31 km, centered around NL 26-45-45; WL 80-05-58
- (3) MOBILE: Off the coast of West Palm Beach and Palm Beach, FL, in an area bounded by Latitudes 26-31-30 N., 26-55-48 N., and Longitudes 077-55-42 W., 080-02-30 W.

Frequency Information

MOBILE: Riviera Beach, FL, operating in rectangular area bounded by latitudes 26-45-00 N, 26-27-00N and longitudes 080-01-00 W., 080-03-00 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	MO	22M0D8D	79.4 W (ERP)	
2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	

This authorization effective November 01, 2008 and
will expire 3:00 A.M. EST November 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Riviera Beach, FL, operating in rectangular area bounded by latitudes 26-45-00 N, 26-27-00N and longitudes 080-01-00 W., 080-03-00 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	
2.452 GHz	MO	22M0D8D	79.4 W (ERP)	
2.457 GHz	MO	22M0D8D	79.4 W (ERP)	
2.462 GHz	MO	22M0D8D	79.4 W (ERP)	

MOBILE: West Palm Beach, FL, within 1000 feet radius of coordinates, within 0.31 km, centered around NL 26-45-45; WL 80-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	MO	22M0D8D	79.4 W (ERP)	

Frequency Information

MOBILE: West Palm Beach, FL, within 1000 feet radius of coordinates, within 0.31 km, centered around NL 26-45-45; WL 80-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	
2.452 GHz	MO	22M0D8D	79.4 W (ERP)	
2.457 GHz	MO	22M0D8D	79.4 W (ERP)	
2.462 GHz	MO	22M0D8D	79.4 W (ERP)	

Frequency Information

MOBILE: Off the coast of West Palm Beach and Palm Beach,FL, in an area bounded by Latitudes 26-31-30 N., 26-55-48 N., and Longitudes 077-55-42 W., 080-02-30 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	MO	22M0D8D	79.4 W (ERP)	
2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	
2.452 GHz	MO	22M0D8D	79.4 W (ERP)	
2.457 GHz	MO	22M0D8D	79.4 W (ERP)	

Frequency Information

MOBILE: Off the coast of West Palm Beach and Palm Beach, FL, in an area bounded by Latitudes 26-31-30 N., 26-55-48 N., and Longitudes 077-55-42 W., 080-02-30 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.462 GHz	MO	22M0D8D	79.4 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 US Air Force 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) Licensee should be aware that US Department of Commerce stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Navy contract number N00024-03-C-6308. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Due to auxiliary broadcast stations within 100 km of the areas above, operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (7) Operation is subject to prior coordination existing point-to-point microwave users within 100 km of the areas above in accordance with 47 CFR Part 101.103(d) for use of the frequencies between 2450 and 2484 MHz.
- (8) The requested 2.4 GHz band includes 802.11 and Bluetooth uses, and Lockheed Martin needs to ensure that the high power does not cause interference to the public.
- (9) This license SUPERSEDES the previously issued license with the same call sign and file number: completes emission designators.