

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WD2XHW

(Call Sign)

0017-EX-RR-2005

(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: Orlando, FL, within 2 km, centered around NL 28-26-48; WL 81-27-08
- (2) MOBILE: Eglin AFB, FL, within 320 km, centered around NL 30-29-00; WL 86-32-00
- (3) MOBILE: Edwards AFB, CA, within 320 km, centered around NL 34-54-00; WL 117-52-00
- (4) MOBILE: China Lake, CA, within 320 km, centered around NL 35-40-00; WL 117-41-00
- (5) MOBILE: UTTR, UT, within 320 km, centered around NL 40-12-00; WL 112-54-20
- (6) MOBILE: Nellis AFB, NV, within 320 km, centered around NL 37-00-00; WL 116-00-00

Frequency Information

MOBILE: Orlando, FL, within 2 km, centered around NL 28-26-48; WL 81-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

This authorization effective February 05, 2005 and
will expire 3:00 A.M. EST November 18, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Orlando, FL, within 2 km, centered around NL 28-26-48; WL 81-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

MOBILE: Eglin AFB, FL, within 320 km, centered around NL 30-29-00; WL 86-32-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

Frequency Information

MOBILE: Edwards AFB, CA, within 320 km, centered around NL 34-54-00; WL 117-52-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

MOBILE: China Lake, CA, within 320 km, centered around NL 35-40-00; WL 117-41-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

Frequency Information

MOBILE: China Lake, CA, within 320 km, centered around NL 35-40-00; WL 117-41-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

MOBILE: UTTR, UT, within 320 km, centered around NL 40-12-00; WL 112-54-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

Frequency Information

MOBILE: Nellis AFB, NV, within 320 km, centered around NL 37-00-00; WL 116-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2375.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2376.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2383.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF contract number F08626-95-C-0101. 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.
- (3) One week schedule coordination is required for each usage with the DoD Gulf Area Frequency Coordinator, Tel: (850) 882-4416, prior to EGLIN AFB, FL operations. A cease buzzer point-of-contact, a person who has the authority to command termination of all RF emission, with telephone number is required at the time of scheduling.
- (4) Scheduling is required for each usage with the Western Area Frequency Coordinator (WAFC) directly or through a local Range Scheduling System that communicates to the WAFC's deconfliction system, Tel: (805) 989-1003 or (805) 989-7985, prior to EDWARDS AFB, CA and CHINA LAKE, CA operations.

Special Conditions:

- (5) Prior to the start of operations, a local cease buzzer point-of-contact must be provided to the DoD Eastern Area Frequency Coordinator office by calling (321) 494-5838/5860.
- (6) Scheduling is required for each usage with the DoD Area Frequency Coordinator, Nellis AFB, Tel: (702) 652-3417, prior to Nellis AFB, NV operations.
- (7) Maximum altitude for Eglin AFB, FL; Edwards AFB, CA; China Lake, CA; UTTR, UT; Nellis AFT, NV operations is 40,000 feet.
- (8) Maximum altitude for Orlando, FL operations is 10 feet.
- (9) This frequency assignment on 2365.5 MHz, 2368.5 MHz, 2375.5 MHz, 2376.5 MHz, 2380.5 MHz and 2383.5 MHz was coordinated prior to authorization with the Eastern Area Frequency Coordinator, Patrick AFB, Florida, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to further coordination with the Eastern AFC, Patrick AFB, Florida, as necessary to ensure compatibility with existing uses.
- (10) This frequency assignment on 2365.5 MHz, 2368.5 MHz, 2375.5 MHz, 2376.5 MHz, 2380.5 MHz and 2383.5 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Nellis AFB, Nevada, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to further coordination with the AFC, Nellis AFB, Nevada, as necessary to ensure compatibility with existing uses.
- (11) This frequency assignment on 2365.5 MHz, 2368.5 MHz, 2375.5 MHz, 2376.5 MHz, 2380.5 MHz and 2383.5 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC) who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to further coordination with the WAFC as necessary to ensure compatibility with existing uses.
- (12) This frequency assignment on 2365.5 MHz, 2368.5 MHz, 2375.5 MHz, 2376.5 MHz, 2380.5 MHz and 2383.5 MHz was coordinated prior to authorization with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to further coordination with the Gulf AFC, Eglin AFB, Florida, as necessary to ensure compatibility with existing uses.