

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

EXPERIMENTAL

(Nature of Service)

KA2XAK

(Call Sign)

XC MO

(Class of Station)

0051-EX-RR-2001

(File Number)

NAME LOCKHEED MARTIN CORP.

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. 5.202(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Orlando, FL, within 320 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 320 km, centered around NL 28-26-48; WL 81-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

This authorization effective April 01, 2001 and
will expire 3:00 A.M. EST April 01, 2003

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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 (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

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 (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 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 (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 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 (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

Frequency Information

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 (+/-)
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

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 (+/-)
2316.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2321.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2333.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2341.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2368.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %
2380.5 MHz	MO	435KF7W	5 W (ERP)	0.003 %

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) 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) Scheduling required for China Lake, CA location, with the Western Area Frequency Coordinator, G.A. (Turk) Turkiewicz, Telephone (805) 989-7983, 24 hours prior to operation.
- (4) Scheduling required for Orlando and Eglin AFB, FL locations, with the DOD Eastern Area Frequency Coordinator, Jerry L. Campbell, Telephone (407) 853-5941, 24 hours prior to operation.
- (5) Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, P.O. Box 2307, Seal Beach, CA, Telephone (316) 523-1004.