

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WA2XVH

(Call Sign)

0012-EX-RR-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(b, i) of the Commission's Rules

Station Locations

- (1) MOBILE: Goodyear, AZ, within 100 km, centered around NL 33-26-06; WL 112-21-30
- (2) MOBILE: Tucson, AZ, within 100 km, centered around NL 32-13-18; WL 110-55-33
- (3) MOBILE: Flagstaff, AZ, within 100 km, centered around NL 35-10-23; WL 111-54-45
- (4) MOBILE: Indianapolis, IN, within 100 km, centered around NL 39-46-06; WL 86-09-29
- (5) MOBILE: Alameda, CA, within 100 km, centered around NL 37-47-31; WL 122-19-45
- (6) MOBILE: Santa Barbara, CA, within 100 km, centered around NL 34-30-34; WL 119-46-12
- (7) MOBILE: Point Mugu, CA, within 100 km, centered around NL 34-07-23; WL 119-07-15
- (8) MOBILE: San Clemente Island, CA, within 100 km, centered around NL 33-01-37; WL 118-34-43
- (9) MOBILE: Palmdale, CA, within 100 km, centered around NL 34-37-53; WL 118-03-46
- (10) MOBILE: Fallon NAS, NV, within 100 km, centered around NL 39-25-01; WL 118-42-14
- (11) MOBILE: Nellis AFB, NV, within 100 km, centered around NL 36-14-41; WL 115-01-27
- (12) MOBILE: Twenty Nine Palms MCAS, CA, within 100 km, centered around NL 34-06-44; WL 115-46-08
- (13) MOBILE: China Lake NAS, CA, within 100 km, centered around NL 35-41-17; WL 117-41-22
- (14) MOBILE: Vandenberg AFB, CA, within 100 km, centered around NL 34-43-50; WL 120-34-55

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Goodyear, AZ, within 100 km, centered around NL 33-26-06; WL 112-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Tucson, AZ, within 100 km, centered around NL 32-13-18; WL 110-55-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Flagstaff, AZ, within 100 km, centered around NL 35-10-23; WL 111-54-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Indianapolis, IN, within 100 km, centered around NL 39-46-06; WL 86-09-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

Frequency Information

MOBILE: Alameda, CA, within 100 km, centered around NL 37-47-31; WL 122-19-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Santa Barbara, CA, within 100 km, centered around NL 34-30-34; WL 119-46-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Point Mugu, CA, within 100 km, centered around NL 34-07-23; WL 119-07-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: San Clemente Island, CA, within 100 km, centered around NL 33-01-37; WL 118-34-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

Frequency Information

MOBILE: Palmdale, CA, within 100 km, centered around NL 34-37-53; WL 118-03-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Fallon NAS, NV, within 100 km, centered around NL 39-25-01; WL 118-42-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Nellis AFB, NV, within 100 km, centered around NL 36-14-41; WL 115-01-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Twenty Nine Palms MCAS, CA, within 100 km, centered around NL 34-06-44; WL 115-46-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

Frequency Information

MOBILE: China Lake NAS, CA, within 100 km, centered around NL 35-41-17; WL 117-41-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

MOBILE: Vandenberg AFB, CA, within 100 km, centered around NL 34-43-50; WL 120-34-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	0.005 %

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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Navy contract BAA #N00019-01-R-0029. 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.