

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XYD

(Call Sign)

0457-EX-CR-2019

(File Number)

NAME Raytheon Missile Systems

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Point Loma, CA US airspace, below 10000 ft, within 63 km, centered around NL 32-40-03; WL 117-14-23
- (2) MOBILE: Mojave, CA, within 50 km, centered around NL 35-03-53; WL 118-09-22
- (3) MOBILE: San Nicolas Island, CA, within 63 km, centered around NL 33-15-11; WL 119-31-29
- (4) MOBILE: San Clemente Island, CA, within 50 km, centered around NL 32-50-07; WL 118-25-26
- (5) MOBILE: Lake Mead, NV, within 50 km, centered around NL 36-04-26; WL 114-45-59
- (6) MOBILE: Lake Powell, UT, within 50 km, centered around NL 37-02-53; WL 111-17-49
- (7) MOBILE: Tucson, AZ, within 50 km, centered around NL 32-05-54; WL 110-56-58
- (8) MOBILE: Patagonia, AZ, within 50 km, centered around NL 31-29-17; WL 110-34-16

Frequency Information

MOBILE: Point Loma, CA US airspace, below 10000 ft, within 63 km, centered around NL 32-40-03; WL 117-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mojave, CA, within 50 km, centered around NL 35-03-53; WL 118-09-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

MOBILE: San Nicolas Island, CA, within 63 km, centered around NL 33-15-11; WL 119-31-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

MOBILE: San Clemente Island, CA, within 50 km, centered around NL 32-50-07; WL 118-25-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

MOBILE: Lake Mead, NV, within 50 km, centered around NL 36-04-26; WL 114-45-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

Frequency Information

MOBILE: Lake Powell, UT, within 50 km, centered around NL 37-02-53; WL 111-17-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

MOBILE: Tucson, AZ, within 50 km, centered around NL 32-05-54; WL 110-56-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

MOBILE: Patagonia, AZ, within 50 km, centered around NL 31-29-17; WL 110-34-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.235-17.3 GHz	MO	35M0P0N	19.5 kW (ERP)	

Special Conditions:

- (1) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Raytheon Missile must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to operations at Mojave Airport, CA,, Pt Loma, CA and San Nicolas Island, CA to mitigate harmful interference to Navy and Marine Corps assignments. Raytheon must also comply with any and all restrictions that may be levied by WAFC.
- (5) Stop buzzer is Mr. Jim Ortega at (520) 794-0227.
- (6) Operation must not exceed 10,000 ft AGL.