

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WI2XSM

(Call Sign)

0059-EX-CR-2021

(File Number)

NAME Raytheon Company (Missiles and Defense - M)

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: Oxnard, CA, Airborne ops mostly over ocean under 10000 ft, within 160 km, centered around NL 34-05-51; WL 119-04-50
- (2) MOBILE: Inyokern, CA, airborne ops mostly over desert under 10000 ft, within 80 km, centered around NL 35-39-31; WL 117-49-25

Frequency Information

MOBILE: Oxnard, CA, Airborne ops mostly over ocean under 10000 ft, within 160 km, centered around NL 34-05-51; WL 119-04-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.45 MHz	MO	15K3F1D	6.1 W (ERP)	
471 MHz	MO	15K3F1D	6.1 W (ERP)	
479.45 MHz	MO	15K3F1D	6.1 W (ERP)	

This authorization effective February 01, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Inyokern, CA, airborne ops mostly over desert under 10000 ft, within 80 km, centered around NL 35-39-31; WL 117-49-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.45 MHz	MO	15K3F1D	6.1 W (ERP)	
471 MHz	MO	15K3F1D	6.1 W (ERP)	
479.45 MHz	MO	15K3F1D	6.1 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) The stop buzzer is Mr.Jim Ortega at 520-794-0227