

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

EXPERIMENTAL

(Nature of Service)

WJ2XVE

(Call Sign)

XD MO

(Class of Station)

0453-EX-TC-2019

(File Number)

NAME Raytheon Company

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: W532 Pt. Mugu, CA, within 270 km, centered around NL 35-04-23; WL 121-18-17

Frequency Information

MOBILE: W532 Pt. Mugu, CA, within 270 km, centered around NL 35-04-23; WL 121-18-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-9 GHz	MO		20 MW (ERP)	
		25M0Q3N		
		78M2Q3N		
		161MQ3N		
		238MQ3N		
		353MQ3N		
		478MQ3N		

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.

This authorization effective January 23, 2020 and
will expire 3:00 A.M. EST August 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Stop Buzzer is Gregory Smolinski at (716) 990-2610.
- (5) Raytheon SAS shall coordinate all transmissions with the NASA JPL Spectrum Management Office POC Feiming Morgan at 818.354.9251, Feiming.morgan@jpl.nasa.gov, in order to prevent mutual interference and potential equipment damage resulting from the requested operations and the operations of the NASA Goldstone Solar System Radar (GSSR) in Pasadena, CA.
- (6) All operations within test range R2508 must be coordinated.
- (7) Please contact 412th Test Wing, Mr. James Littlefield at (661) 277-4763, 24 hours prior to testing.
- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.