

**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)

0295-EX-CR-2021

(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            | 25M0Q3N             | 20 MW (ERP)      |                           |
|           |               | 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 August 01, 2021 and  
will expire 3:00 A.M. EST August 01, 2022

**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) 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.
- (5) All operations within test range R2508 must be coordinated.
- (6) Operation in 412th Test Wing must be prior coordinated with Mr. James Littlefield at (661) 277-4763, 24 hours prior to testing.
- (7) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Thomas M Taylor at (972) 952-3556.