

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XSU

(Call Sign)

0163-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: Nationwide

Frequency Information

MOBILE: Nationwide

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 30-36 GHz   | MO            | 40M0G1N<br>1G00F0N  | 6.3 MW (ERP)     |                           |
| 30-31.3 GHz | MO            | 1G00F0N<br>40M0G1N  | 6.3 MW (ERP)     |                           |
| 31.8-36 GHz | MO            | 40M0G1N<br>1G00F0N  | 6.3 MW (ERP)     |                           |

This authorization effective January 22, 2020 and  
will expire 3:00 A.M. EST August 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Operation is subject to prior coordinate one week in advance before the testing with NASA Spectrum within 100 km of Lat: 412450 N and Long: 815153 W (Ohio) at (818) 354-9251.
- (5) Operation is subject to prior coordination with Mr. John Szelog of WAFC (760) 939-6948 two weeks in advance of any testing that will be conducted over the Mojave Desert.
- (6) The following frequency band need to be NOTCHED OUT: 31.3 - 31.8 GHz.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Bart Turner at (520) 282-0158 and (520) 794-0227.