

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

EXPERIMENTAL

(Nature of Service)

WK2XUN

(Call Sign)

XT MO

(Class of Station)

0169-EX-CN-2020

(File Number)

NAME Fortem Technologies, Inc.

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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Intersection of SR-68 and Soldier Pass Road, Utah County, UT, within 30 km, centered around NL 40-10-16; WL 111-56-06

Frequency Information

MOBILE: Intersection of SR-68 and Soldier Pass Road, Utah County, UT, within 30 km, centered around NL 40-10-16; WL 111-56-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.7 GHz	MO	180MQXN	317 W (ERP)	0.000094 %

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) 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.
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.

This authorization effective March 11, 2020 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (6) The use for monitoring of airspace and navigation of manned aircraft is unacceptable. The use of this radar for radiolocation is not approved for this band.
- (7) The radar operating in the 15.4-15.7 GHz shall be used for Detect and Avoid (DAA) purposes only. Additional aeronautical radionavigation testing may be allowed under purview of the FAA. However, any function involving the separation of aircraft or nominal Air Traffic Control functions are not allowed, unless explained, coordinated and approved by the FAA on a national level, and meet existing FAA technical and operational standards prior to submit the application to FCC. This radar shall not be used for counter-UAS or perimeter security
- (8) Stop Buzzers, George Mayor at 703-629-1968, Jeffery Davis at 801-822-8043 and Nate Prows at 801-369-5425.