

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WK2XSE

(Call Sign)

0035-EX-CN-2020

(File Number)

NAME Applied Radar, 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(C) of the Commission's Rules

Station Locations

- (1) MOBILE: Eglin Air Force Base (VPS), within 25 km, centered around NL 30-28-55; WL 86-31-30
- (2) MOBILE: Quonset State Airport (OQU), within 25 km, centered around NL 41-36-12; WL 71-26-20
- (3) MOBILE: Aberdeen Proving Ground (APG), within 25 km, centered around NL 39-27-59; WL 76-10-06

Frequency Information

MOBILE: Eglin Air Force Base (VPS), within 25 km, centered around NL 30-28-55; WL 86-31-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3500 MHz	MO	600MX0N	16 W (ERP)	0.001 %

This authorization effective February 12, 2020 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Quonset State Airport (OQU), within 25 km, centered around NL 41-36-12; WL 71-26-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3500 MHz	MO	600MX0N	16 W (ERP)	0.001 %

MOBILE: Aberdeen Proving Ground (APG), within 25 km, centered around NL 39-27-59; WL 76-10-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3500 MHz	MO	600MX0N	16 W (ERP)	0.001 %

Special Conditions:

- (1) 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) Applied Radar, Inc. must maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (4) Applied Radar, Inc. must coordinate with the affected Fixed Microwave Service licensees prior to operation in 3700-3800 MHz band.
- (5) Applied Radar, Inc. must consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.
- (6) Licensee be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army I2WD contract number W56KGU-15-D-0005. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.