

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

EXPERIMENTAL

(Nature of Service)

WK2XAC

(Call Sign)

XC      FX MO

(Class of Station)

0155-EX-CM-2019

(File Number)

NAME IMSAR LLC

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) GLM, GM - NL 26-06-47; WL 96-32-45; MOBILE: Over the Ocean Up to 120Km off coast, within 80 km, centered around NL 26-06-47; WL 96-32-45
- (2) Tucson (PIMA), AZ - NL 32-05-17; WL 110-56-33
- (3) Springville (UTAH), UT - NL 40-09-12; WL 111-38-58; MOBILE: Springville, UT. On a manned aircraft at 14,000 feet MSL or below, within 30 km, centered around NL 40-09-12; WL 111-38-58
- (4) San Clemente Island (LOS ANGELES), CA - NL 32-54-24; WL 118-30-03; MOBILE: , within 25 km, centered around NL 32-54-24; WL 118-30-03

Frequency Information

GLM, GM - NL 26-06-47; WL 96-32-45; MOBILE: Over the Ocean Up to 120Km off coast, within 80 km, centered around NL 2

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5735-5865 MHz | MO            | 20M0D7W             | 97 W (ERP)       |                           |
| 9.775 GHz     | MO            | 350MF0N             | 39261.8 W (ERP)  |                           |

This authorization effective August 28, 2019 and  
will expire 3:00 A.M. EST April 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Tucson (PIMA), AZ - NL 32-05-17; WL 110-56-33

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5735-5865 MHz | FX            | 20M0D7W             | 97 W (ERP)       |                           |
| 9.6-9.95 GHz  | FX            | 350MF0N             | 39261.8 W (ERP)  |                           |

Springville (UTAH), UT - NL 40-09-12; WL 111-38-58; MOBILE: Springville, UT. On a manned aircraft at 14,000 feet MSL or b

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5735-5865 MHz | MO            | 20M0D7W             | 97 W (ERP)       |                           |
| 9.6-9.95 GHz  | MO            | 350MF0N             | 39261.18 W (ERP) |                           |

San Clemente Island (LOS ANGELES), CA - NL 32-54-24; WL 118-30-03; MOBILE: , within 25 km, centered around NL 32-54

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 9.775 MHz     | MO            | 350MF0N             | 39261.18 W (ERP) |                           |
| 5735-5865 MHz | MO            | 20M0D7W             | 97 W (ERP)       |                           |

## 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.

**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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8818-18-C-0003. 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.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Josh Snook at (801) 798-8440.
- (6) The authorized stations must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.