

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

EXPERIMENTAL
(Nature of Service)

XD MO
(Class of Station)

WO2XNA
(Call Sign)

0095-EX-TC-2026
(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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: On aircraft at 14,000 feet MSL or below, Willow Springs, CA, within 30 km, centered around NL 34-59-26; WL 118-26-48

Frequency Information

MOBILE: On aircraft at 14,000 feet MSL or below, Willow Springs, CA, within 30 km, centered around NL 34-59-26; WL 118-26-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2450 MHz	MO	20M0D7W	97 W (ERP)	
16.95 GHz	MO	1G50F0N	11350 W (ERP)	

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.

This authorization effective August 11, 2026 and
will expire 3:00 A.M. ET March 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government. 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.
- (4) Licensee must schedule in IFDS or coordinate at least 72 hours prior with China Lake POC Clint Robbins 760-939-6085 or CLINTON.ROBBINS(AT)NAVY.MIL
- (5) Stop Buzzer POC: Josh Snook at 801-798-8440, josh.snook@imsar.com
- (6) During transmission, aircraft shall not exceed the altitude of 14,000 feet MSL.
- (7) The applicant shall certify they would comply with the out of band emissions limits specified in Section 25.202 of the Commission's Rules regarding frequency tolerance and emission limits prior to the authorization can be issued.
- (8) Prior to commencing any in the 17.3-17.7 GHz band, experimental licensee must notify licensees of DIRECTV Enterprises, LLC (. Phone Number: 310-964-3589 E-Mail: nm704u@att.com Attention: Navid Motamed) and DirecTV/AT&T (Mr. Raquel Noriega Email: raquel.noriega@att.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (9) The company is responsible for managing any required transfer of control for the associated military contract directly with the U.S. Military.
- (10) Assignments and transfers of control shall be completed within 180 days from the date of authorization. Within 30 days of consummation, the Commission shall be notified by letter of the date of consummation and the file numbers of the applications involved in the transaction.