

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XZE

(Call Sign)

0021-EX-ML-2016

(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 6,000 feet AGL or below, within 60 km, centered around NL 38-47-34; WL 121-20-14

Frequency Information

MOBILE: On aircraft at 6,000 feet AGL or below, within 60 km, centered around NL 38-47-34; WL 121-20-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
769-788 MHz	MO	19M0Q0N	15 W (ERP)	
799-960 MHz	MO	161MQ0N	15 W (ERP)	
1625-1850 MHz	MO	28M7G1D	1.25 W (ERP)	
2395-2455 MHz	MO	60M0G1D	278 W (ERP)	

This authorization effective April 13, 2016 and
will expire 3:00 A.M. EST December 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: On aircraft at 6,000 feet AGL or below, within 60 km, centered around NL 38-47-34; WL 121-20-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-10.5 GHz	MO	1G00F0N	48.4 W (ERP)	
15.6-17.1 GHz	MO	1G50F0N	153 W (ERP)	

Special Conditions:

- (1) 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Coordinate with the Fixed Microwave Service licensees prior to operation in 2395-2455 MHz and 799-960 MHz bands.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator in 2395-2455 MHz and 799-960 MHz bands. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (6) Successfully secure consents from the Advanced Wireless Service (AWS) licensees prior to accessing to 1625-1850 MHz band.
- (7) Operation must be consented for the following frequency bands within 200 miles of the test area:

700 MHz "C" band licensee (746-758 MHz / 776-788 MHz)
 All Cellular licensees (824-849 MHz/869-894 MHz)
 Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 SMR licensees (806-821 MHz/851-866 MHz)
 SMR licensees (896-901 MHz/935-940 MHz)

- (8) Operation subject to notification of the following frequency bands within 200 miles of the test area:

Narrowband PCS (901-902 MHz)
 Location & Monitoring Service licensees (902-928 MHz)
 Paging (929-930 MHz) licensees
 Paging (931-932 MHz) licensees
 1670-75 MHz licensee