

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WJ2XEI

(Call Sign)

0826-EX-CN-2017

(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) Santa Barbara (SANTA BARBARA), CA - NL 34-25-29; WL 119-40-51; MOBILE: On aircraft at 14,000 feet MSL or below, within 53 km, centered around NL 34-25-29; WL 119-40-51

Frequency Information

Santa Barbara (SANTA BARBARA), CA - NL 34-25-29; WL 119-40-51; MOBILE: On aircraft at 14,000 feet MSL or below, with

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1740-1850 MHz	MO	90M0G1D	2 W (ERP)	
2400-2500 MHz	MO	20M0D7W	97 W (ERP)	
16.5-17 GHz	MO	500MF0N	5688 W (ERP)	
16.5-17 GHz	MO	500MF0N	484 W (ERP)	

This authorization effective November 29, 2017 and
will expire 3:00 A.M. EST December 01, 2022

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COMMUNICATIONS
COMMISSION**



Frequency Information

Santa Barbara (SANTA BARBARA), CA - NL 34-25-29; WL 119-40-51; MOBILE: On aircraft at 14,000 feet MSL or below, with

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.5-17 GHz	MO	500MF0N	11350 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (6) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (7) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (8) Due to possibility of harmful interferences to the Federal Operations using frequency 16.4 GHz in Springville, UT is denied.