

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WM9XOL

(Call Sign)

0595-EX-ST-2018

(File Number)

NAME IMSAR LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

To investigate the capabilities and benefits of small synthetic aperture radars, in a variety of terrain, vegetation, and atmospheric conditions. Operations will be on a manned aircraft.

Station Locations

- (1) MOBILE: San Jose, CA. On aircraft at 10,000 feet MSL or below, within 20 km, centered around NL 37-22-33; WL 121-55-50
- (2) MOBILE: San Ramon, CA. On aircraft at 10,000 feet MSL or below, within 30 km, centered around NL 37-47-07; WL 122-00-41

Frequency Information

MOBILE: San Jose, CA. On aircraft at 10,000 feet MSL or below, within 20 km, centered around NL 37-22-33; WL 121-55-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-608 MHz	MO	188MQ0N	121 W (ERP)	
420-608 MHz	MO	188MQ0N	15 W (ERP)	

This authorization effective June 01, 2018 and
will expire 3:00 A.M. EST December 02, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: San Jose, CA. On aircraft at 10,000 feet MSL or below, within 20 km, centered around NL 37-22-33; WL 121-55-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614-758 MHz	MO	144MQ0N	15 W (ERP)	
614-758 MHz	MO	144MQ0N	121 W (ERP)	

MOBILE: San Ramon, CA. On aircraft at 10,000 feet MSL or below, within 30 km, centered around NL 37-47-07; WL 122-00-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-608 MHz	MO	188MQ0N	121 W (ERP)	
420-608 MHz	MO	188MQ0N	15 W (ERP)	
614-758 MHz	MO	144MQ0N	121 W (ERP)	
614-758 MHz	MO	144MQ0N	15 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.
- (3) 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.

Special Conditions:

- (4) IMSAR LLC shall schedule operations with Western Area Frequency Coordinator (WAFC) if flight path exceeds 50 KM's south of San Jose, CA. WAFC POC information is: Mr. Jamie Heaton, jamie.heaton@navy.mil. Commercial number, 760-939-6832.
- (5) IMSAR LLC shall exclude the 608-614 MHz frequency band from operations in order to protect NASA passive sensor operations in accordance with Footnote US246.
- (6) IMSAR LLC must notch out the following frequencies: 425.750 MHz, 428.750 MHz, 431.750 MHz, 434.750 MHz, 437.750 MHz, 440.750 MHz, 443.750 MHz, 446.750 MHz.
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (8) Operation is subject to consent of the following within 150 miles of the test area:
 - * Paging Service licensees in 454MHz/459 MHz
 - * General Aviation Air-Ground Service in 454 MHz/459 MHz
 - * 700 MHz licensees (698-758 MHz and 775-788 MHz)