

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WM9XGJ

(Call Sign)

0287-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: Ilwaco, WA. On a manned aircraft, within 30 km, centered around NL 46-16-27; WL 124-04-22

Frequency Information

MOBILE: Ilwaco, WA. On a manned aircraft, within 30 km, centered around NL 46-16-27; WL 124-04-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.7 GHz	MO	1G50F0N	11350 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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.
- (4) 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.
- (5) 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.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) The stop buzzer contact for this project is Josh Snook, Phone: 801-798-8440.
- (8) Station authorized herein must not be used to provide air traffic control communications.
- (9) 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.
- (10) Station authorized herein must not be used to provide air traffic control communications.
- (11) ImSAR, LLC must not operate in the 15.4 – 17.4 GHz band due to harmful interference with ongoing operations in the area.