

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

EXPERIMENTAL

(Nature of Service)

WR9XGM

(Call Sign)

XT MO

(Class of Station)

1649-EX-ST-2020

(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:

Demonstrate radar performance in a maritime environment

Station Locations

- (1) MOBILE: On aircraft over ocean near Oceanside, CA, within 30 km, centered around NL 33-18-43; WL 117-33-09
- (2) MOBILE: On aircraft over ocean near San Catalina Island, CA, within 35 km, centered around NL 33-17-59; WL 118-19-36
- (3) MOBILE: On aircraft over ocean near oceanside CA, within 28 km, centered around NL 33-15-35; WL 117-48-35
- (4) MOBILE: On aircraft at 18000 ft MSL near Apple Valley CA, within 35 km, centered around NL 34-27-08; WL 117-06-20

Frequency Information

MOBILE: On aircraft over ocean near Oceanside, CA, within 30 km, centered around NL 33-18-43; WL 117-33-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.7 GHz	MO	OG50F0N	11350 W (ERP)	

This authorization effective November 15, 2020 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: On aircraft over ocean near San Catalina Island, CA, within 35 km, centered around NL 33-17-59; WL 118-19-36

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

MOBILE: On aircraft over ocean near oceanside CA, within 28 km, centered around NL 33-15-35; WL 117-48-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.7 GHz	MO	0G50F0N	11350 W (ERP)	

MOBILE: On aircraft at 18000 ft MSL near Apple Valley CA, within 35 km, centered around NL 34-27-08; WL 117-06-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.7 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.
- (3) The stop buzzer is Josh Snook at (801) 798-8440.

Special Conditions:

- (4) Prior to commencing any operations in the 17.3-17.7 GHz frequency band, IMSAR LLC must notify the licensees listed below of its test dates and provide a stop buzzer in case of interference:

Name: DIRECTV Enterprises, LLC
Phone Number: 301-663-0053
E-Mail: jwengryniuk@directv.com
Attention: Mr Jack M Wengryniuk

Name: DIRECTV Enterprises, LLC /AT&T
Phone Number: m +1.202.412.5623|o +1.202.457.2141
E-Mail: raquel.noriega@att.com
Attention: Raquel Noriega

Name: DISH Operating L.L.C.
Phone Number: 202-463-3709
E-Mail: Alison.Minea@dish.com
Attention: Alison Minea
Contact: Charles Ergen
Company: DISH Network
Email: charlie.ergen@dish.com
Name: EchoStar BSS Corporation
Phone Number: 202-463-3709
E-Mail: Alison.Minea@dish.com
Attention: Alison Minea

- (5) For the Oceanside, CA location, IMSAR LLC must notch out 16.7 – 17.2 GHz to avoid impact to federal operations.
- (6) or the Apple Valley, CA location, all operations must be scheduled/coordinated/deconflicted via IFDS with the DoD Western Area Frequency Coordinator (WAFC), Mr. Jamie Heaton (760) 939-6832 jamie.heaton@navy.mil and Mr. Andrew Foltz (760) 939-6948 andrew.foltz@navy.mil
- (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.