

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

EXPERIMENTAL

(Nature of Service)

WJ2XFU

(Call Sign)

XT MO

(Class of Station)

1180-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 capabilities in a variety of locations/environments for US Gov Customer

Station Locations

- (1) MOBILE: Melrose, NM on a manned aircraft at 20000 ft MSL, within 100 km, centered around NL 34-25-48; WL 103-37-56
- (2) MOBILE: On aircraft near Colorado Springs at 20000 ft MSL, within 55 km, centered around NL 38-58-14; WL 104-41-30

Frequency Information

MOBILE: Melrose, NM on a manned aircraft at 20000 ft MSL, within 100 km, centered around NL 34-25-48; WL 103-37-56

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

This authorization effective October 01, 2020 and
will expire 3:00 A.M. EST January 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: On aircraft near Colorado Springs at 20000 ft MSL, within 55 km, centered around NL 38-58-14; WL 104-41-30

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16.2-17.7 GHz	MO	1G50F0N	11350 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) At the Melrose, NM location, IMSAR, LLC must:
 - a. notch out the following (+/- 20.5 MHz): 16.936 GHz, 16.974 GHz, and 17.012 GHz in order to protect ongoing federal operations,
 - b. coordinate with the Cannon AFB Installation Spectrum Manager, at 575-749-5577,
 - c. coordinate with the 27 Special Operations Air Operations Squadron via email at 27SOAS.DOXG.EXERCISEPLANS@US.AF.MIL
 - d. coordinate with the WSMR DoD Area Frequency Coordinator at least 96 hours prior to activation via email at USARMY.WSMR.IMCOM-CENTRAL.LIST.DODAF@MAIL.MIL
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) Stop buzzer point of contact is Josh Snook at (801) 798-8440.

Special Conditions:

- (6) 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