

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

EXPERIMENTAL

(Nature of Service)

WJ2XFU

(Call Sign)

XT MO

(Class of Station)

0890-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:

To demonstrate radar capabilities in a variety of locations/environments

Station Locations

- (1) MOBILE: Monticello, FL. On a manned aircraft, within 20 km, centered around NL 30-30-27; WL 83-57-42
- (2) MOBILE: New Market, AL. On a manned aircraft, within 20 km, centered around NL 34-54-10; WL 86-24-35
- (3) MOBILE: Hunters Hammock, FL. On a manned aircraft, within 20 km, centered around NL 25-48-23; WL 80-54-20
- (4) MOBILE: Boulder, CO, within 20 km, centered around NL 40-02-11; WL 105-13-43

Frequency Information

MOBILE: Monticello, FL. On a manned aircraft, within 20 km, centered around NL 30-30-27; WL 83-57-42

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

This authorization effective June 18, 2020 and
will expire 3:00 A.M. EST November 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: New Market, AL. On a manned aircraft, within 20 km, centered around NL 34-54-10; WL 86-24-35

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

MOBILE: Hunters Hammock, FL. On a manned aircraft, within 20 km, centered around NL 25-48-23; WL 80-54-20

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

MOBILE: Boulder, CO, within 20 km, centered around NL 40-02-11; WL 105-13-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (4) 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.
- (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 band, the licensee must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

Call Sign: E930229 File Number: SES-MOD-20180905-02506
Call Sign: E930304 File Number: SES-RWL-20180910-02636
Call Sign: E030105 File Number: SES-RWL-20180813-02206
Call Sign: E930191 File Number: SES-RWL-20180910-02634
Licensee: DIRECTV Enterprises, LLC
ATTN: Navid Motamed
Phone: 310-964-3589 E-Mail: nm704u@att.com
Counsel: Wiley Rein LLP
Phone: 202-719-4975

Call Sign: E050340 File Number: SES-MFS-20090203-00124
Call Sign: E070027 File Number: SES-MOD-20170105-00005
Call Sign: E060236 File Number: SES-MOD-20060818-01406
Call Sign: E020172 File Number: SES-RWL-20170615-00657
Licensee: DIRECTV Enterprises, LLC
ATTN: Ms Jacquelyne Flemming
Phone: 202-457-3032 E-Mail: jackie.flemming@att.com
Counsel: Wiley Rein LLP
Phone: 202-719-4975

Call Sign: E990323 File Number: SES-RWL-20090819-01030
Call Sign: E010112 File Number: SES-MFS-20190719-00928
Licensee: Intelsat License LLC
ATTN: Susan H Crandall
Phone: 202-944-7848 E-Mail: susan.crandall@intelsat.com
Counsel: PanAmSat Licensee Corp., c/o Intelsat Corporation
Phone: 202-944-7848

Call Sign: E990309 File Number: SES-MOD-20130128-00107
Call Sign: E950287 File Number: SES-MOD-20130128-00100
Call Sign: E980081 File Number: SES-MOD-20180410-00338
Call Sign: E950288 File Number: SES-MFS-20130128-00097
Call Sign: E990310 File Number: SES-MOD-20130128-00103
Call Sign: E980005 File Number: SES-MOD-20170804-00867
Call Sign: E980143 File Number: SES-MOD-20130128-00102
Call Sign: E990139 File Number: SES-MOD-20130128-00106
Call Sign: E990138 File Number: SES-MOD-20130128-00104
Call Sign: E980142 File Number: SES-MOD-20130128-00101
Call Sign: E080120 File Number: SES-MOD-20170414-00528
Licensee: DISH Broadcasting Corporation
ATTN: Ms Alison Minea
Phone: 202-463-3709 E-Mail: Alison.Minea@dish.com
Counsel: STEPTOE & JOHNSON LLP
Phone: 202-429-6494

Call Sign: E010130 File Number: SES-MOD-20191010-01294
Licensee: DIRECTV Enterprises, LLC

Special Agent ATTN: Steve Dulac

Phone: 310-964-4996 E-Mail: spdulac@att.com

Counsel: WILEY REIN LLP

Phone: 202-719-4183