

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

EXPERIMENTAL

(Nature of Service)

WB9XGM

(Call Sign)

XT MO

(Class of Station)

1090-EX-ST-2026

(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 the capabilities and benefits of small synthetic aperture radars. For reference purposes, IMSAR has an approved Stage 4 1494 SPS-25662/1

Station Locations

- (1) MOBILE: On a aircraft not to exceed 10,000ft AGL, within 34 km, centered around NL 36-55-13; WL 75-59-49

Frequency Information

MOBILE: On a aircraft not to exceed 10,000ft AGL, within 34 km, centered around NL 36-55-13; WL 75-59-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.5-17 GHz	MO	500MF0N	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) 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.

This authorization effective July 01, 2026 and
will expire 3:00 A.M. EST December 01, 2026

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COMMISSION**



Special Conditions:

- (3) IMSAR LLC shall move the center point of flight circle 30 nautical miles south to NL 36-25-13; WL 75-59-49 and reduce maximum altitude to 7400 ft MSL.
- (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) The beam direction must be maintain at an angle of no more than 70 degrees with respect to the downward-pointing direction from the transmitter.

Special Conditions:

(6)

Prior to commencing operations in the authorized frequency band(s), the experimental licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2861)
Licensee: NOVAVISION GROUP, INC./DIRECTV Enterprises, LLC
ATTN: Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail:
nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email:
raquel.noriega@att.com

Frequency Bands: 17.3-17.8 GHz (s-E) (Call sign S2844)
Licensee: EchoStar Satellite Operating Corporation Phone Number: 202-463-3709
Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2931)
Licensee: DISH Operating L.L.C. Phone Number: 202-463-3709
ATTN: Ms. Alison Minea, E-Mail: Alison.Minea@dish.com

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2844)
Licensee: EchoStar Satellite Operating Corporation Phone Number: 202-463-3709
Frequency Bands: 17.3-17.8 GHz (E-s) 17.303 GHz (E-s) 17.791-17.796 GHz (E-s)
(Call sign S2931)
Licensee: DISH Operating L.L.C. Phone Number: 202-463-3709
ATTN: Ms. Alison Minea, E-Mail: Alison.Minea@dish.com

Frequency Bands: 17.3-17.55 GHz (E-s) (Call sign S2950)
Licensee: New Skies Satellites B.V.
Frequency Bands: 17.3-19.4GHz (s-E) (Call sign S3043)
Licensee: SES Astra (S.A.) Phone Number: 202-478-7191
ATTN: Mr. Daniel C.H. Mah, Email: daniel.mah@ses.com

Frequency Bands: 17.7-19.3 GHz (s-E) (Call sign S2902)
Licensee: ViaSat, Inc. Phone Number: 760-476-2583
ATTN: Mr. Daryl T. Hunter Email: daryl.hunter@viasat.com

(7)

Stop Buzzer POC: Josh Snook, josh.snook@imsar.com, 801.598.2843

(8)

The beam direction must be maintain at an angle of no more than 70 degrees with respect to the downward-pointing direction from the transmitter.