

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

EXPERIMENTAL

(Nature of Service)

WA8XHV

(Call Sign)

XT MO

(Class of Station)

1542-EX-ST-2026

(File Number)

NAME SES Americom, Inc.

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:

The ThinKom antenna has the potential to deliver performance across multiple form factors and frequency bands that increases flexibility for reliable, efficient communications.

Station Locations

- (1) MOBILE: Mayfield, KY, within 50 km, centered around NL 36-44-30; WL 88-38-09
- (2) MOBILE: Hawthorne, CA, within 50 km, centered around NL 33-54-00; WL 118-21-49
- (3) MOBILE: Mt. Prospect, IL, within 50 km, centered around NL 42-04-42; WL 87-54-56

Frequency Information

MOBILE: Mayfield, KY, within 50 km, centered around NL 36-44-30; WL 88-38-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	MO	12M0G7W	160325 W (ERP)	1.25E-6 %
29.5-30 GHz	MO	12M0G7W	160325 W (ERP)	1.25E-6 %

This authorization effective August 16, 2026 and
will expire 3:00 A.M. ET January 31, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hawthorne, CA, within 50 km, centered around NL 33-54-00; WL 118-21-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	MO	12M0G7W	160325 W (ERP)	1.25E-6 %
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MOBILE: Mt. Prospect, IL, within 50 km, centered around NL 42-04-42; WL 87-54-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	MO	12M0G7W	160325 W (ERP)	1.25E-6 %
29.5-30 GHz	MO	12M0G7W	160325 W (ERP)	1.25E-6 %

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) Stop Buzzer Point of Contact:
SES Global Operations Center (GOC) Phone: (+1) 703-366-1500
Email: NOC@ses.com
- (3) 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.
- (4) SES Americom, Inc. is authorized to perform mobile testing using its ThinKom Ka2517 satellite antenna within 50 km from the following locations specified below. The antenna will communicate with the geostationary satellite orbit (GSO) SES-17 (Call Sign S3043) and the non-geostationary satellite orbit (NGSO) O3b (Call Sign S2935) satellite using the 28.35–29.1 GHz and 29.5–30 GHz frequency bands (Earth-to-space).