

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

EXPERIMENTAL

(Nature of Service)

WA9XXN

(Call Sign)

XT FX

(Class of Station)

1272-EX-ST-2026

(File Number)

NAME SES Space & Defense

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 test and demonstrate two earth station terminals that operate in fixed mode. The terminals will communicate with the O3b non-geostationary orbit (NGSO) satellite system.

Station Locations

- (1) San Diego, CA - NL 32-59-25; WL 117-04-46
- (2) Eglin AFB, FL - NL 30-29-11; WL 86-30-15
- (3) MacDill AFB, FL - NL 27-50-59; WL 82-30-32
- (4) Barksdale AFB, LA - NL 32-30-03; WL 93-39-44
- (5) Bristow, VA - NL 38-46-48; WL 77-34-12
- (6) Oklahoma City, OK - NL 35-25-10; WL 97-24-18
- (7) Palmdale, CA - NL 34-55-27; WL 117-53-28
- (8) Baltimore, MD - NL 39-11-45; WL 76-45-06

Frequency Information

San Diego, CA - NL 32-59-25; WL 117-04-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

This authorization effective July 15, 2026 and
will expire 3:00 A.M. EST January 15, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Diego, CA - NL 32-59-25; WL 117-04-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Eglin AFB, FL - NL 30-29-11; WL 86-30-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

MacDill AFB, FL - NL 27-50-59; WL 82-30-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Barksdale AFB, LA - NL 32-30-03; WL 93-39-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Frequency Information

Barksdale AFB, LA - NL 32-30-03; WL 93-39-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Bristow, VA - NL 38-46-48; WL 77-34-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Oklahoma City, OK - NL 35-25-10; WL 97-24-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Palmdale, CA - NL 34-55-27; WL 117-53-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Frequency Information

Palmdale, CA - NL 34-55-27; WL 117-53-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

Baltimore, MD - NL 39-11-45; WL 76-45-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-29.1 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %
29.5-30 GHz	FX	18M0G7W	50119 W (ERP)	0.001 %

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) Stop Buzzer is Khanna Atul, (571) 443-7339, Email: Khanna.atul@sessd.com.
- (4) SES Space & Defense is authorized to perform fixed testing using its GetSat Ka-band satellite antenna terminals. Testing will occur within 1.6 km radius from each of the following locations listed above. The antennas will communicate with the non-geostationary orbit (NGSO) O3b (Call Sign S2935) satellite using 28.35–29.1 GHz and 29.5–30.0 frequency bands (Earth-to-space).
- (5) 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.