

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

EXPERIMENTAL

(Nature of Service)

WS9XJE

(Call Sign)

XT FX MO

(Class of Station)

1027-EX-ST-2021

(File Number)

NAME SES Government Solutions, 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:

Conduct on-the-ground tests of a hybrid multi-beam phased array antenna.

Station Locations

- (1) Bristow (PRINCE WILLIAM), VA - NL 38-47-00; WL 77-34-20; MOBILE: , within 1.6 km
- (2) Aberdeen, MD - NL 39-27-47; WL 76-07-13; MOBILE: within 1.6 km
- (3) Bristow, VA - NL 38-47-00; WL 77-34-20; MOBILE: within 1.6 km of fixed location, within 1.6 km, centered around NL 38-47-00; WL 77-34-20
- (4) Aberdeen, MD - NL 39-27-47; WL 76-07-13; MOBILE: within 1.6 km radius of fixed location, within 1.6 km, centered around NL 39-27-47; WL 76-07-13

Frequency Information

Bristow (PRINCE WILLIAM), VA - NL 38-47-00; WL 77-34-20; MOBILE: , within 1.6 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.601-28.838 GHz	FX	5M55G7D	5013 W (ERP)	0.03 %
		5M55G7D		

This authorization effective August 02, 2021 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Aberdeen, MD - NL 39-27-47; WL 76-07-13; MOBILE:within 1.6 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.601-28.838 GHz	FX	5M55G7D	5013 W (ERP)	0.03 %
		5M55G7D		

Bristow, VA - NL 38-47-00; WL 77-34-20; MOBILE: within 1.6 km of fixed location, within 1.6 km, centered around NL 38-47-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.918-29.957 GHz	FX	3M00G7D	3163 W (ERP)	0.03 %

Aberdeen, MD - NL 39-27-47; WL 76-07-13; MOBILE: within 1.6 km radius of fixed location, within 1.6 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.918-29.957 GHz	FX	3M00G7D	3163 W (ERP)	0.03 %

Special Conditions:

- (1) Licensee is authorized to conduct on-the-ground tests of one 0.8m Isotropic OTA 2.0 hybrid multi-beam phased earth station for fixed and short-range mobile operations at and around testing facilities in Aberdeen MD and Manassas, VA in the 28.601-28.838 GHz frequency band via O3b Limited's O3b NGSO satellites.
- (2) POINT OF COMMUNICATION: O3b Limited's O3b Ka-band non-geostationary- orbit (NGSO) satellites (S2935).