

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

EXPERIMENTAL

(Nature of Service)

WQ9XTP

(Call Sign)

XT      FX MO

(Class of Station)

1106-EX-ST-2020

(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:**

SES seeks to test the antennas identified below and to evaluate their capabilities to support US Government requirements from fixed locations throughout the continental United States.

**Station Locations**

- (1) Yuma (YUMA), AZ - NL 32-51-44; WL 114-26-34
- (2) MOBILE: Cyclopic, AZ, within 1.6 km, centered around NL 35-51-19; WL 114-19-29

**Frequency Information**

Yuma (YUMA), AZ - NL 32-51-44; WL 114-26-34

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 28855-29071 MHz | FX            | 10M4G7D             | 49.3 pW (ERP)    | 0.0003 %                  |

This authorization effective August 14, 2020 and  
will expire 3:00 A.M. EST January 02, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Cyclopic, AZ, within 1.6 km, centered around NL 35-51-19; WL 114-19-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 28855-29071 MHz | MO            | 10M0G7D             | 85.1 kW (ERP)    | 0.0003 %                  |

## 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: Arlene Johnson  
Phone: 7036100916  
Email: arlene.johnson@ses-gs.com
- (4) POINT OF COMMUNICATION: O3b Limited's NGSO (non-geostationary orbit space stations) satellites.
- (5) The authorized station's antenna performance specifications do not comply with Sections 25.218(i) and 25.209 of the FCC Rules. The operation of these antennas will not be protected from harmful interference caused by other geostationary satellite networks to the extent that harmful interference would not be expected to be caused to an antenna that is compliant with the antenna performance standards of Sections 25.218(i) and 25.209
- (6) Operations in the 28.855-29.071 GHz frequency band must comply with Section 25.146(a)(2) of the Commission's rules and Article 22, Section II, and Resolution 76 of the ITU Radio Regulations. The equivalent power Flux-density limit, EPFD must not exceed -162 dBW/m<sup>2</sup> in 40 kHz bandwidth.
- (7) SES Government Solutions, Inc. shall prior coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).