

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

EXPERIMENTAL

(Nature of Service)

WL9XJQ

(Call Sign)

XT MO

(Class of Station)

0457-EX-ST-2017

(File Number)

NAME Orbital ATK

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:**

Orbital ATK will utilize the Minotaur IV Launch Vehicle to deliver the ORS spacecraft to a 600 km x 600 km circular orbit at 0 degrees inclination. Radio frequency emitters on the launch vehicle

**Station Locations**

- (1) MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42
- (2) MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42
- (3) MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42
- (4) MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42

**Frequency Information**

MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42

| Frequency             | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|---------------------|------------------|---------------------------|
| 2260.372-2260.628 MHz | MO            | 256KF1D             | 6.5 W (ERP)      | 0.002 %                   |

This authorization effective July 25, 2017 and  
will expire 3:00 A.M. EST January 26, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42

| Frequency           | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|------------------|---------------------------|
| 2269.34-2271.66 MHz | MO            | 2M32F1D             | 6.6 W (ERP)      | 0.002 %                   |

MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42

| Frequency           | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|------------------|---------------------------|
| 2226.92-2228.08 MHz | MO            | 1M16F1D             | 9.1 W (ERP)      | 0.002 %                   |

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| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5758-5772 MHz | MO            | 14M0P0N             | 389.1 W (ERP)    | 2 %                       |

MOBILE: Florida: CCAFS, SLC-46, within 2 km, centered around NL 28-27-30; WL 80-31-42

| Frequency             | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|---------------------|------------------|---------------------------|
| 2239.386-2241.614 MHz | MO            | 2M23F1D             | 11.9 W (ERP)     | 0.002 %                   |
| 2284.062-2286.938 MHz | MO            | 2M87F1D             | 5.2 W (ERP)      | 0.002 %                   |

Special Conditions:

- (1) Licensee shall avoid a launch date and time of 8/26/2017 at 06:53 UTC, there could be significant interference from the Minotaur IV launch vehicle 2240.5-MHz downlink to the BLOCK 5D-3 network (specifically the DMSP F-15) for about 3 minutes at Wallops Island.