

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

EXPERIMENTAL

(Nature of Service)

WL9XVG

(Call Sign)

XT MO

(Class of Station)

1367-EX-ST-2017

(File Number)

NAME Aurora Flight Sciences

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:**

Flight telemetry, vehicle commands, and video streaming for ONR program AACUS in the Manassas VA area.

**Station Locations**

- (1) MOBILE: The Flying Circus, Bealton, VA, airborne 1000' AGL, within 29 km, centered around NL 38-32-58; WL 77-42-55

**Frequency Information**

MOBILE: The Flying Circus, Bealton, VA, airborne 1000' AGL, within 29 km, centered around NL 38-32-58; WL 77-42-55

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2360-2390 MHz | MO            | 20M0G1D             | 4 W (ERP)        | 0.0005 %                  |

**Special Conditions:**

- (1) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

This authorization effective September 25, 2017 and  
will expire 3:00 A.M. EST February 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**

