

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XTO

(Call Sign)

1075-EX-ST-2013

(File Number)

NAME Millennium Space Systems

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:**

A balloon test demonstration of the proposed satellite system.

**Station Locations**

- (1) MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06
- (2) MOBILE: Between 65 degrees North and South Latitude, within 100 km, centered around NL 34-59-02; WL 117-45-06
- (3) MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

**Frequency Information**

MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 2400-2483.5 MHz | MO            | 50K0F1D             | 15 W (ERP)       |                           |

This authorization effective February 24, 2014 and  
will expire 3:00 A.M. EST March 03, 2014

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Between 65 degrees North and South Latitude, within 100 km, centered around NL 34-59-02; WL 117-45-06

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1720 MHz  | MO            | 1M60F1D             | 2 W (ERP)        |                           |

MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1720 MHz  | MO            | 1M60F1D             | 2 W (ERP)        |                           |

## Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (4) NTIA can only agree to the use of one frequency for testing, 1720 MHz, and not the band.