

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

EXPERIMENTAL

(Nature of Service)

WG2XTO

(Call Sign)

XT MO

(Class of Station)

0253-EX-ST-2014

(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 April 28, 2014 and
will expire 3:00 A.M. EST October 02, 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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; information, www.sbe.org.
- (4) Millennium Space Systems must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations on M2400-M2483.5 to mitigate harmful interference to Navy and Marine Corps assignments. Millennium Space Systems must also comply with any and all restrictions that may be levied by WAFC.
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.