

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WG9XYI

(Call Sign)

0493-EX-ST-2013

(File Number)

NAME San Jose State University

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:

Demonstration of the Exo-Brake and demonstrating the viability of the Iridium 9603 communication module.

Station Locations

- (1) MOBILE: Low Earth Orbit SBD, within 500 km, centered around NL 37-21-00; WL 121-55-00
- (2) MOBILE: Low Earth Orbit UHF, within 500 km, centered around NL 37-21-00; WL 121-55-00

Frequency Information

MOBILE: Low Earth Orbit SBD, within 500 km, centered around NL 37-21-00; WL 121-55-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626.5 MHz	MO	41K7Q7W	1.6 W (ERP)	0.0005 %

This authorization effective November 01, 2013 and
will expire 3:00 A.M. EST May 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Low Earth Orbit UHF, within 500 km, centered around NL 37-21-00; WL 121-55-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
437.46-437.47 MHz	MO	10K0F2D	0.3 W (ERP)	0.0002 %

Special Conditions:

- (1) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (2) The stop buzzers, Ali Guarneros Luna, 408-886-1926, Kevin Ramus, 208-651-6358 or Marc Murbach, 510-290- 3158 must be available during all phases of the test to cease transmissions upon request.
- (3) San Jose State must send a schedule and orbital updates to AFSPC.A6CE.SMO@us.af.mil.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA contract no. NNX09AG76A. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.