

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

EXPERIMENTAL

(Nature of Service)

WG9XYI

(Call Sign)

XT MO

(Class of Station)

0421-EX-ST-2016

(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 9602 communication module.

Station Locations

- (1) MOBILE: Low Earth Orbit SBD: apogee 413 km, perigee 381 km, inclination 51.6 degrees, within 500 km, centered around NL 37-21-00; WL 121-55-00

Frequency Information

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

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.

This authorization effective May 31, 2016 and
will expire 3:00 A.M. EST November 30, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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.