

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

EXPERIMENTAL

(Nature of Service)

WO9XVU

(Call Sign)

XT MO

(Class of Station)

1156-EX-ST-2019

(File Number)

NAME Iridium Satellite, LLC

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:

See attached Exhibit

Station Locations

(1) MOBILE: Low Earth Orbit alt 780 km, inclination 86.4 deg.

Frequency Information

MOBILE: Low Earth Orbit alt 780 km, inclination 86.4 deg.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626.5 MHz	MO	35K0G1W	1288 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) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST February 29, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Iridium Satellite, LLC should coordinate with the National Science Foundation spectrum management unit at esm@nsf.gov prior to operations in order to avoid interference to Radio Astronomy Bands.
- (4) All Iridium Satellite LLC testing shall be conducted IAW the purpose, configuration and RF parameters that Iridium Satellite LLC coordinated with Navy (Dan Kibe).
- (5) The emission designator/s listed in the FCC grant are for the stated occupied bandwidth/s only. Occupied bandwidth/s that is/are less than the coordinated emission/s is/are not authorized.
- (6) As soon as possible but no later than 3 business days prior to any planned testing, Iridium Satellite LLC is required to provide Dan Kibe (Email: dan.kibe@navy.mil) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD/Navy operations, additional evaluations and/or restrictions may be required.
- (7) 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.
- (8) POINT OF COMMUNICATION: CACTUS-1 CubeSat.