

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Cryosat2

1. Applicant

Name:	Universal Space Network, Inc.	Phone Number:	215-328-9130
DBA Name:		Fax Number:	215-328-9132
Street:	417 Caredean Drive Suite A	E-Mail:	jgreet@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:	Joanne Greet		



"With Conditions"
File # SES-STA-20171204-01297

Call Sign N/A Grant Date 02/09/2018
(or other identifier)

Term Dates
From: 02/09/2018 To: 03/14/2018

Approved: Paul E. Hester

Applicant: Universal Space Network, Inc. ("USN")
File No SES-STA-20171204-01297
Call Sign: None
Special Temporary Authority (STA)

Universal Space Network, Inc. ("USN") is granted special temporary authority beginning February 9, 2018 through March 14, 2018 to operate its 13 meter fixed earth station in North Pole, Alaska with the Cryosar-2 NGSO satellite on the following center frequencies: 2026.75 MHz (Earth-to-space) and 2201.0 MHz (space-to-Earth) under the following conditions.

1. Operations are limited to a ranging and calibration campaign using the ESA Cryosat-2 spacecraft, (NGSO satellite), using the following center frequencies: 2026.75 MHz (Earth-to space) and 2201 MHz (space-to-Earth) to validate the USN North Pole ground station which will support the upcoming Sentinel-3B LEOP support in April 2018. The calibration campaign test consists of a maximum of 12 passes of the Cryosat-2 spacecraft
2. Operations shall be on an unprotected, non-interference basis with respect to other authorized stations, including federal stations.
3. This is not a grant of market access to the Cryosar-2 system.
4. Any future requests or extensions will need to submit applications to the FCC to be re-coordinated with NTIA.
5. USN shall be aware that future non-federal launch and early orbit operations will be considered on a case-by-case basis, especially for requests in the band 2200-2290 MHz, and Universal Space network shall have no expectations that future operations will be approved.
6. All transmissions in the band 2200-2290 MHz must comply with national and international power flux-density limits.
7. The USN Network Management Center must answer the Stop Buzzer telephone number, (215) 394-0155, 24 x 7 during the period these frequencies are in use. USN shall stop operating upon report of interference. USN shall immediately report any incidents via email to FCCOPS@fcc.gov and copy paul.blais@fcc.gov.
- 7bis. Universal Space Network, Inc. should coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon, (540)653-3477, or james.moneyhon@navy.mil, prior to any operations, to mitigate harmful interference to Navy and Marine Corps operations. The station operator must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Universal Space Network, Inc.'s risk.

Approved: _____
From: _____ To: _____
Term Dates _____ (or other identifier) _____
Call Sign _____ Grant Date _____

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

"with conditions"



File # SES-5TA-20171204-01297

Call Sign N/A Grant Date 02/09/2018
(or other identifier)

Term Dates
From: 02/09/2018 To: 03/14/2018

Approved: *Paul E. Hays*

2. Contact

Name:	Universal Space Network, Inc.	Phone Number:	215-328-9130
Company:		Fax Number:	215-328-9132
Street:	417 Caredean Drive Suite A	E-Mail:	jgreet@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:		Relationship:	Same

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date

7. City North Pole

8. Latitude
(dd mm ss.s h) 64 48 15.3 N

9. State AK	10. Longitude (dd mm ss.s h) 147 30 0.8 W
11. Please supply any need attachments. Attachment 1: FCC312 Attachment 2: Comsearch Attachment 3: Waiver–Analysis	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> The USN ground station shall be used to assist the European Space Agency (ESA) and the Swedish Space Corporation (SSC) with a ranging calibration campaign using the ESA Cryosat-2 spacecraft. This calibration is to validate the USN North Pole ground station which will support the upcoming Sentinels 3B LEOP support in April 2018. This test consists of </div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti–Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of “party to the application” for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Joanne Greet	15. Title of Person Signing Compliance Manager
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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12. Description

The USN ground station shall be used to assist the European Space Agency (ESA) and the Swedish Space Corporation (SSC) with a ranging calibration campaign using the ESA Cryosat-2 spacecraft. This calibration is to validate the USN North Pole ground station which will support the upcoming Sentinels 3B LEOP support in April 2018. This test consists of a maximum of 12 passes over a 6 week period commencing on Feb 6, 2018.