

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Sentinels-2A ranging testing

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		


5 days "with conditions"

File # SES-STA-20161206-00933

Call Sign N/A Grant Date 01/11/2017
(or other identifier)

Term Dates
From 01/24/2017 To LAUNCH

Approved: Paul E. Haeb



The stamp is a red rectangular seal from the Federal Communications Commission (FCC) International Bureau. It features the FCC logo at the top, the word "GRANTED" in large bold letters in the center, and "International Bureau" at the bottom. The stamp is partially overlaid by handwritten text and a signature.

Universal Space Network, Inc.
File No.: SES-STA-20161206-00933
Call Sign: None
Special Temporary Authority (STA)



File # SES-STA-20161206-0093
Call Sign N/A Grant Date 01/11/2017
(or other identifier)
Term Dates
From 01/24/2017 To Launch
Approved: Paul E. Blair

Universal Space Network, Inc. (USN) is granted a special temporary authority, under the following conditions, to operate its fixed earth station in North Pole, AK, to provide Launch and Early Orbit Support (LEOP) service to the Sentinels-2B spacecraft licensed by the European Space Agency ("ESA"), in April of 2017. ESA has requested testing with the Sentinels-2A spacecraft in preparation of the Sentinels-2B LEOP support, pre-LEOP support testing will consist of ranging, angles, and doppler measurement during the month of January 2017.

Duration of the testing will only be up to five days being January 24th and 25th, of 2017 and February 7th, 14th and 21th, of 2017.

1. Operations are limited to the following frequencies, emissions and power limits:

Frequency	Emissions	Max. EIRP (dBW)	Max. EIRP Den. (dBW/4KHz)
Transmitting: 2075.650 MHz	400KG1D	68	48
Receiving: 2254.099 MHz	400KG1D		

2. Operations must comply with the satellite operator's coordinated agreements for the Sentinels-2A spacecraft with U.S. satellite operators. If no agreements exist then operations are not permitted.

3. This is not a grant of market access for the Sentinels 2A spacecraft.

4. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station(s). USN shall cease transmission(s) immediately upon notice of such interference and report the interference to the FCC point of contact Paul.Blaisfcc.gov, 202-418-7274 within 24 hours of occurrence.

5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future USN applications.

6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at USN's risk.

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

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:	jpgreet@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

01/24/2017

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: Analysis Attachment 3: Waiver	
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;">USN ground station shall be used to assist the European Space Agency (ESA) and the Swedish Space Corporation (SSC) with the launch and early orbit support of the Sentinels-2B spacecraft in April 2017. ESA has requested testing with Sentinels-2A in preparation of the 2B LEOP support. Pre-LEOP testing will consist of ranging, angles and Doppler</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 Joanne Greet
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

USN ground station shall be used to assist the European Space Agency (ESA) and the Swedish Space Corporation (SSC) with the launch and early orbit support of the Sentinels-2B spacecraft in April 2017. ESA has requested testing with Sentinels-2A in preparation of the 2B LEOP support. Pre-LEOP testing will consist of ranging, angles and Doppler measurements. Duration of testing will be 5 discrete days; Jan 24-25, Feb 7, 14, 21 2017.