

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

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

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: | jpgreet@uspacenet.com |
| City: | Horsham | State: | PA |
| Country: | USA | Zipcode: | 19044 |
| Attention: | Joanne Greet | | |

30 days
"With Condition"
File # SES-STA-20150427-00278
Call Sign N/A **Grant Date** 05/28/2015
(or other identifier)
Term Dates
From 06/11/2015 **To:** 07/10/2015
Approved: *Paul E. Greet*



Applicant: Universal Space Network, Inc.
File No.: SES-STA-20150427-00278
Call Sign: None
Special Temporary Authority (STA)

Universal Space Network, Inc. (USN) is granted special temporary authority, for 30 days, beginning June 11, 2015, to operate its fixed earth station in North Pole, Alaska, to conduct a ranging campaign of the Sentinels-2A satellite spacecraft. Communications shall consist of ranging (tone uplink), tele-command, and telemetry of the satellite. Authority is granted under the following conditions.

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

| Frequency Band | Emissions | Maximum E.I.R.P. | Maximum E.I.R.P. Density |
|----------------|-----------|------------------|--------------------------|
| 2075.650 MHz | 400KOG1D | 68 dBW | 48 dBW/4kHz |
| 2254.099 MHz | 400KOG1D | | |

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.Blais@fcc.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.

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.

30 days *"With Conditions"*

FEDERAL COMMUNICATIONS COMMISSION

GRANTED

International Bureau

File # SES-STA-20150427-00278

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(or other identifier)

Term Dates
From 06/11/2015 To: 07/10/2015

Approved: Paul E. Blais

| | |
|---|---|
| 2. Contact | |
| Name: | Universal Space Network, Inc. Phone Number: 215-328-9130 |
| Company: | |
| Street: | 417 Caredean Drive Fax Number: 215-328-9132 Suite A E-Mail: jgreet@uspacenet.com |
| City: | Horsham State: PA |
| Country: | USA Zipcode: 19044 - |
| Attention: | Relationship: |
| (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? | |
| <input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). | |
| <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee | |
| <input type="radio"/> Other (please explain): | |
| 4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station | |
| 5. Type Request | |
| <input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other | |
| 6. Requested Use Prior Date | |
| 05/28/2015 | |
| 7. CityNorth 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: Form 312 Sentinels | Attachment 2: Waiver & analysis Attachment 3: Coordination report |
| 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.) Support the LEOP for the Sentinels-2A mission. Launch currently scheduled for June 11, 2015 and support expected to last a maximum of 10 days. | |
| 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 Manager of Compliance |
| 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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