

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Sentinels 1A Ranging Campaign extension

I. Applicant

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

32 days
"With Conditions"



File # SES-STA-2015 0403-00190

Call Sign N/A Grant Date 05/12/2015
(or other identifier)

Term Dates
From 05/12/2015 To: 06/12/2015

Approved: *Paul E. Allen*

Universal Space Network, Inc. (USN)
File No.: SES-STA-20150403-00190
Call Sign: None
Special Temporary Authority (STA)

Universal Space Network, Inc. (USN) is granted special temporary authority, beginning May 12, 2015, to operate its fixed earth station in North Pole, AK, to conduct a ranging campaign of the Sentinels-1A spacecraft. Communications shall consist of ranging (tone uplink), telecommand, and telemetry of the satellite. Authority is granted under the following conditions.

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

<u>Frequency</u>	<u>Emissions</u>	<u>Max.EIRP (dBW)</u>	<u>Max.EIRP Den. dBW/4KHz)</u>
Transmitting 2075.650 MHz	400KOG1D	68	48
Receiving: 2254.099 MHz	400KOG1D		

2. Operations must comply with the satellite operator's coordinated agreements for the Sentinels-1A 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 1A 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 action is issued pursuant to Section 0.26 1 of the Commission's rules on delegated authority, 47 C.F.R. §0.26 1, and is effective immediately.



File # SES-STA-20150403-00190

Call Sign N/A
(or other identifier)

Grant Date 05/12/2015

From 05/12/2015

Term Dates

To: 06/12/2015

Approved: Paul E. Blais

"with conditions"

2. Contact	
Name:	Universal Space Network, Inc. Phone Number: 215-328-9130
Company:	215-328-9132
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 SESSTA2015021300080 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	
04/13/2015	
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: 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.)	<div style="border: 1px solid black; padding: 5px;"> <p>Extension of ranging campaign for the Sentinels 1 spacecraft from 4/13/15 - 6/11/15 prior to the launch of the Sentinels-2A spacecraft on June 11, 2015. Communications shall consist of ranging (tone uplink), telecommand & telemetry of the satellite of approximately 16 passes</p> </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.	<p style="text-align: center;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>
14. Name of Person Signing Joanne Greet	15. Title of Person Signing Manager, Compliance
<p style="text-align: center;"> 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). </p>	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.