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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:
60 day STA

I. Applicant

Name:	Astro Digital US, Inc.	Phone Number:	650-919-4032
DBA Name:		Fax Number:	
Street:	NASA Ames Research Park, Suite 503 340 Cody Road	E-Mail:	jan@astrodigital.com
City:	Moffett Field	State:	CA
Country:	USA	Zipcode:	94035 -
Attention:	Jan A King		



"with conditions"

File # SES-STA-20180112-00026

Call Sign E170192 Grant Date 01/24/2018
(or other identifier)

Term Dates
From: 01/29/2018 To: 03/30/2018

Approved: Paul E. Hiteh

Applicant: Astro Digital US, Inc.
File No: SES-STA-20180112-00026
Call Sign: E170192

Astro Digital US, Inc. is granted special temporary authority for 60 days, beginning January 29, 2018 to operate a fixed earth station antenna in Santa Clara, California to perform tracking, telemetry and command ("TT&C") with the Astro Digital Landmapper (NGSO) satellite (S3014) on center frequencies 402.90 MHz (Earth-to-space) and 400.5 MHz (space-to-Earth) under the following conditions.

1. Operations shall be on an unprotected, non-interference basis with respect to other authorized stations, including federal stations.
2. Astro Digital's request for a waiver to operate TT&C links in the 402.8-403 MHz frequency band is granted. Astro Digital shall tune TT&C UHF links to an agreed frequency range with NOAA to minimize interference to NOAA GOES Data Collection System (DCS) and radiosonde operations, and continue to work closely with NOAA to identify and implement any further measures needed to avoid radio frequency interference to these systems.
3. Astro Digital's TT&C operations in the space-to-Earth direction are limited to a center frequency of 400.5 MHz, except as necessary for a period immediately following (i) the deployment of the satellite or (ii) a satellite software reset, resulting in satellite transmissions returning to the default transmission channel, in both cases to allow for the retuning of transmissions from 400.155 MHz to 400.195 MHz.
4. Astro Digital's TT & C operations in the Earth-to-space direction are limited to a center frequency of 402.9 MHz, except as necessary for a period immediately following (i) the deployment of the satellite or (ii) a satellite software reset, resulting in the satellite returning to its default channel, in both cases to allow for the retuning of the satellite receive channel from 402.58 MHz to 402.62 MHz.
5. Astro Digital US, Inc. 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 399-402 MHz, and Astro Digital US, Inc. shall have no expectations that future operations will be approved.
6. All transmissions in the band 399-402 MHz must comply with national and international power flux-density limits.
7. All operations must comport with SAT-LOA-20170508-00071 authorization parameters.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Astro Digital US, Inc.'s risk.
9. 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-STA-20180112-00026

Call Sign E170192 Grant Date 01/24/2018
(or other identifier)

Term Dates
From: 01/29/2018 To: 03/03/2018

Approved: Paul E. Baker

2. Contact

Name:	Tony Lin	Phone Number:	202-637-5795
Company:	Hogan Lovells US LLP	Fax Number:	
Street:	555 13th St, NW	E-Mail:	tony.lin@hoganlovells.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004 -
Attention:		Relationship:	Legal Counsel

(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 SESAMD2017122701389 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
01/29/2018

7. City Santa Clara

8. Latitude
(dd mm ss.s h) 37 22 48.0 N

9. State CA	10. Longitude (dd mm ss.s h) 121 57 40.0 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Attachment 3:	
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: 10px 0;">Applicant requests special temporary authority to operate at its Santa Clara ground station facility pending Commission action on its application for regular authority.</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 Jan A. King	15. Title of Person Signing Chief Technical Officer
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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