

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Extension Request for STA Application (SIRION Pathfinder-2)

I. Applicant

Name:	Astro Digital US, Inc.	Phone Number:	(650) 919-4032
DBA Name:		Fax Number:	
Street:	3171 Jay Street	E-Mail:	chris@astrodigital.com
City:	Santa Clara	State:	CA
Country:	USA	Zipcode:	95054
Attention:	Mr. Chris Biddy		

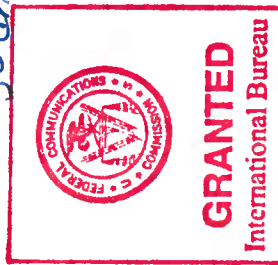
30 days "With conditions"

File # SES-STA-20190402-00486

Call Sign E170192 Grant Date 05/07/2019
(or other identifier)

Term Dates
From: 05/07/2019 To: 06/06/2019

Approved: *Paul E. [Signature]*



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 SESSTA2019022700188 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 04/13/2019			
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:	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.)			
Astro Digital US, Inc. requests a 30-day extension (from April 13, 2019 to May 13, 2019) of its previously-granted application for special temporary authority (SES-STA-20190227-00188) in order to operate its Part 25 licensed UHF earth station in Santa Clara, California to communicate with the Sirion Pathfinder-2 satellite, a licensed Australian			
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.			
14. Name of Person Signing		15. Title of Person Signing	
Chris Biddy		Chief Executive 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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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.

12. Description

Astro Digital US, Inc. requests a 30-day extension (from April 13, 2019 to May 13, 2019) of its previously-granted application for special temporary authority (SES-STA-20190227-00188) in order to operate its Part 25 licensed UHF earth station in Santa Clara, California to communicate with the Sirion Pathfinder-2 satellite, a licensed Australian space object, and facilitate recovery of the satellite.

~~Summary of UHF band Technical Information~~
~~For Coordination with NTIA/FAS~~

Applicant: Astro Digital US, Inc
File No.: SES-STA-20190402-00486
Call Sign: E170192

Astro Digital is grant special temporary authority for 30 days beginning May,7 2019 operate its fixed earth station located at Santa Clara, CA. with the Australian SIRION-1 NGSO satellite in sun-synchronous orbit at 591 kilometers to provide telemetry, tracking and control (TT&C) services in the 402.88-402.92 MHz (Earth-to-space) and the 401.48-401.52 MHz (space-to-Earth) frequency bands under the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, Astro Digital US Inc shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and must inform the Commission, in writing, immediately of such an event.
2. The licensee shall, always, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
3. Any action taken, or expense incurred as a result of operations pursuant to this STA is solely at Astro Digital US Inc 's risk.
4. Transmissions are limited to 40 dBW EIRP per 40 kHz.
5. Operations with the Australian SIRION-1 NGSO satellite from the expiration of SES-STA-20190227-00188 to the beginning of this authorization were authorized under 47 CFR § 1.62.

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 upon release.



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Land E. Mann