

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for STA to Provide TT&C for ASTRA 3A for Drift to and Operations at 86.8 W.L. (E170089)

**I. Applicant**

<b>Name:</b>	SES Americom, Inc.	<b>Phone Number:</b>	202-478-7143
<b>DBA Name:</b>		<b>Fax Number:</b>	202-478-7111
<b>Street:</b>	1129 20th Street NW Suite 1000	<b>E-Mail:</b>	petra.vorwig@ses.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036
<b>Attention:</b>	Ms Petra A Vorwig		

60 days "With Conditions"

File # SES-STA-20191002-01255

Call Sign E170089 Grant Date 10/23/2019  
(or other identifier)

Term Dates  
From: 10/23/2019 To: 12/23/2019

Approved: [Signature]



<b>2. Contact</b>	
<b>Name:</b> Karis Hastings	<b>Phone Number:</b> 202-599-0975
<b>Company:</b> SatCom Law LLC	<b>Fax Number:</b>
<b>Street:</b> 1317 F Street, N.W. Suite 400	<b>E-Mail:</b> karis@satcomlaw.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20004 -
<b>Attention:</b>	<b>Relationship:</b> 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 SESMFS2019100201233 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	
10/23/2019	
7. City/Mt. Airy	
8. Latitude (dd mm ss.s h) 39 22 38.8 N	

9. State MD	10. Longitude (dd mm ss.s h) 77 4 52.97
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.)	SES Americom, Inc. respectfully requests earth station special temporary authority for a period of 60 days beginning on October 23, 2019 to permit SES to use its E170089 earth station to perform Tracking, Telemetry and Command for the ASTRA 3A spacecraft using Ku-band frequencies in order to drift the the satellite from 47 W.L. to 86.8 W.L. and to
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 &quot;party to the application&quot;; for these purposes.	Yes <input checked="" type="radio"/> No <input type="radio"/>
14. Name of Person Signing Petra A. Vorwig	15. Title of Person Signing Senior Legal & Regulatory Counsel
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

SES Americom, Inc. respectfully requests earth station special temporary authority for a period of 60 days beginning on October 23, 2019 to permit SES to use its E170089 earth station to perform Tracking, Telemetry and Command for the ASTRA 3A spacecraft using Ku-band frequencies in order to drift the satellite from 47 W.L. to 86.8 W.L. and to support operations at that orbital location. A full description of the proposed operations is provided in a modification application filed in parallel with this request, and STA is sought pending grant of the modification. The request is in the public interest because it will ensure safe satellite operations without causing interference to authorized users. See File No. SES-MFS-20191002-01233.

Applicant: SES Americom, Inc.  
Call Sign: E170089  
File No.: SES-STA-20191002-01255  
Special Temporary Authority ("STA")



"With conditions"  
File # SES-STA-20191002-01255  
Call Sign E170089 Grant Date 10/22/2019  
(or other identifier)  
Term Dates  
From: 10/23/2019 To: 12/23/2019  
Approved: Paul E. How

SES Americom, Inc ("SES Americom") is granted Special Temporary Authority for 60 days beginning October 23, 2019 to operate its fixed earth station in Mount Airy, Maryland to provide Tracking, Telemetry and Command ("TT&C") service to the ASTRA 3A satellite during and after relocation of the satellite from 47.0° W.L. to 86.8° W.L orbital location in the 14499 MHz (vertical polarization) (Earth-to-space) and 11450.25 MHz and 11699.50 MHz (space-to-Earth) frequency bands under the following conditions:

1. Operations may not exceed the EIRP and EIRP density levels authorized in E170089.
2. PFD levels for angles of arrival between 0 and 5 degrees above the horizontal plane; 5 and 25 degrees; and 25 and 90 degrees are conditioned per 25.208(b)(1) of the Commission's rules.
3. All operations by SES Americom are on an unprotected basis. SES Americom may not claim protection from interference caused to them by any other lawfully operating station.
3. In the event that any harmful interference is caused as a result of STA operation, SES Americom shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom's own risks.
5. The licensee shall take all necessary measures to ensure that the antenna 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 wherever such exposures might occur. 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](http://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.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding SES Americom's pending FCC applications.

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.