

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA Request to Use E050287 to drift ASTRA 3A to 176.85W

1. Applicant

<b>Name:</b>	SES Americom, Inc.	<b>Phone Number:</b>	202-478-7137
<b>DBA Name:</b>		<b>Fax Number:</b>	202-478-7101
<b>Street:</b>	1129 20th Street NW Suite 1000	<b>E-Mail:</b>	daniel.mah@ses.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -
<b>Attention:</b>	Daniel C.H. Mah		

30 days

with conditions


File # SES-STA-20130912-00800

Call Sign E050287 Grant Date 09/26/2013

(or other identifier)

Term Dates  
From 11/11/2013 To 12/10/2013

Approved: Paul E. Mah



**GRANTED**  
International Bureau

Conditions:

Applicant: SES Americom, Inc.

File Number: SES-STA-20130912-00800

Call Sign: E050287

SES Americom, Inc. ("SES"), is granted, under the following conditions, special temporary authority for 30 days, from November 11, 2013, to operate its fixed earth station located at Mount Airy, MD to provide telecommand and telemetry of the ASTRA 3A satellite during relocation of the satellite to 176.85° W.L. on the following center frequencies: 14499 MHz (Earth-to-space) and 11450.25, 11699.50 (space-to-Earth).

Conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. In the event that there is a report of interference, Lockheed must immediately terminate transmissions and notify the FCC in writing.
4. The operations will be coordinated with all operators of satellites that use the same frequency bands and are in the relocation path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.
5. SES must make sure that the point of contact during drift operations will be SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 800 772 2363 or 1 410 970 7570; e-mail: [PMOC@ses.com](mailto:PMOC@ses.com) is available 24x7 during the relocation .
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES's risk.
7. 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.



"with conditions"

File # SES-STA-20130912-00800

Call Sign E050287 Grant Date 09/26/2013  
(or other identifier)

Term Dates  
From 11/11/2013 To: 12/10/2013

Approved: Paul E. Black

**APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**

(Call Sign E050287)

\*\*\* Expedited Action Requested \*\*\*

SES Americom, Inc. (“SES”) hereby requests a 30-day Special Temporary Authority (“STA”) to use the 13.1 meter antenna on earth station license E050287 to perform TT&C for the ASTRA 3A satellite during a portion of a planned relocation of the satellite to 176.85° W.L. SES respectfully requests that the 30-day STA **commence on November 11, 2013**, but requests **expedited action by October 9, 2013**, so that the STA is in place before drift commences.

SES has previously filed for two other earth station applications for the proposed relocation of ASTRA-3A.<sup>1</sup> The information contained in those applications, including information on ASTRA-3A’s proposed operations at 176.85° W.L., is hereby incorporated by reference.

As in the previous STA requests, SES Americom is here requesting authority to perform TT&C with ASTRA 3A on the following frequencies:

Telecommand:	14499 MHz vertical polarization (800KF9D)
Telemetry:	11450.25 MHz horizontal polarization (150KF9D)
	11699.50 MHz horizontal polarization (150KF9D)

For telecommand, SES proposes to operate with a maximum EIRP density of 55.5 dBW/4 kHz, which corresponds to a maximum input power spectral density of -8 dBW/4 kHz.<sup>2</sup> This input power spectral density level complies with the -8 dBW/4 kHz level for band-edge analog command carriers specified in the newly revised 47 C.F.R. § 25.212(c)(1) for Ku-band antennas of 1.2m in diameter or larger.<sup>3</sup> Thus, while the proposed EIRP density for the command carrier will exceed the maximum listed on the E050287 license, the requested power level for the temporary drift operations will nevertheless comply with the input power density levels specified under the Commission’s routine licensing rules. The maximum EIRP of the command carrier will not exceed the maximum listed on the license.

For telemetry, SES proposes to receive on two frequencies that are not currently listed on the E050287 license. The antenna is, however, capable of receiving on those two

---

<sup>1</sup> See File Nos. SES-STA-20130722-00653 (call sign KA288) and SES-STA-20130722-00654 (call sign E920698) (accepted for filing public notice Aug. 7, 2013; no comments received). The application for E920698 relates to a 9.2m antenna at the same teleport as the E050287 antenna that is the subject of the instant STA application.

<sup>2</sup> The input power spectral density is derived by subtracting the maximum gain of the E050287 antenna from the maximum EIRP density: 55.5 dBW/4 kHz – 63.5 dBi (@14.5 GHz) = -8 dBW/4 kHz.

<sup>3</sup> See *Comprehensive Review of Licensing and Operating Rules for Satellite Services*, FCC 13-111, Report and Order, IB Docket No. 12-267, at ¶ 188, Appendix B ¶ 43 (rel. Aug. 9, 2013).

frequencies. In any event, reception of telemetry will be on a non-protected basis, as with all drift STAs.<sup>4</sup>

In any event, all telecommand and telemetry operations from E050287 during the proposed drift will be conducted on a non-interference, non-protected basis. SES will coordinate the drift operations with all affected operators in accordance with industry practice. The SES point of contact during drift operations will be SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 800 772 2363 or 1 410 970 7570; e-mail: [PMOC@ses.com](mailto:PMOC@ses.com).

Grant of the proposed STA will serve the public interest by facilitating the safe operation of ASTRA 3A during the relocation of the spacecraft to 176.85° W.L.

---

<sup>4</sup> Two other earth stations at the same teleport are already licensed to operate in these frequencies. *See* Call Signs E920698 and E990016.

**2. Contact**

**Name:** SES Americom, Inc. **Phone Number:** 202-478-7137  
**Company:** **Fax Number:** 202-478-7101  
**Street:** 1129 20th Street NW **E-Mail:** daniel.mah@ses.com  
Suite 1000  
**City:** Washington **State:** DC  
**Country:** USA **Zipcode:** 20036 -  
**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?

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

7. City/Mt. Airy  8. Latitude (dd mm ss.s h) 39 22 37.7 N

9. State MD	10. Longitude (dd mm ss.s h) 77 4 49.1 W
11. Please supply any need attachments. Attachment 1: E050287 STA Narr      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 requests grant of a 30-day STA to use earth station E050287 to perform TT&C with ASTRA-3A during a portion of its drift to 176.85W. SES respectfully requests grant by October 9, 2013 of an STA that will run from November 11 to December 11, 2013. See attached narrative for a full description.	
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"; party to the application; for these purposes.      Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Daniel C.H. Mah	15. Title of Person Signing 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).	

**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](mailto: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.**