

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 for SES-6 Ku-band In-orbit Testing

1. Applicant

Name: SES Americom, Inc. **Phone Number:** 202-478-7137
DBA Name: **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: Daniel C.H. Mah

30 days "With conditions"

File # SES-STA-20130603-00467

Call Sign E050287 Grant Date 06/12/2013
(or other identifier)

Term Dates
From 06/14/2013 To: 07/13/2013

Approved: *[Signature]*




COMMUNICATIONS FEDERAL COMMUNICATIONS COMMISSION
GRANTED
International Bureau

Applicant: SES Americom, Inc.
Call Sign: E050287
File No.: SES-STA-20130603-00467
Special Temporary Authority (STA)

SES Americom, Inc. (SES) is granted, under the following conditions, STA for 30 days, to use the transmit frequencies 14.0-14.5 GHz and receive frequencies 11.7-12.2 GHz to conduct in-orbit testing (IOT) for the Netherlands licensed SES-6 satellite at orbital location 26° W.L prior to it relocating to its permanent orbital location 40.5° W.L. (File No. SAT-PPL-20120717-00117).

1. This authorization is limited to operations within coordinated parameters defined in those specified in this STA application narrative.
2. All operations shall be on an unprotected and non-harmful interference basis. SES 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.
3. In the event that any harmful interference is caused as a result of operations of the SES-6 satellite, SES 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's own risk.
5. SES point of contact during proposed IOT operations will be Dewey Courtright, phone 410-970-7571, dewey.courtight@ses.com.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding SES's pending application IBFS File No. SAT-PPL-20120717-00117.
7. 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.

30 days *"with conditions"*

 GRANTED International Bureau	File # <u>SES-STA-20130603-00467</u>
	Call Sign <u>E050287</u> Grant Date <u>06/12/2013</u> (or other identifier)
	Term Dates From <u>06/14/2013</u> To <u>07/13/2013</u>
	Approved: <i>[Signature]</i>

2. Contact	
Name:	SES Americom, Inc.
Company:	1129 20th Street NW Suite 1000
Street:	Washington
City:	USA
Country:	Daniel C.H. Mah
Attention:	Legal Counsel
Phone Number:	202-478-7137
Fax Number:	202-478-7101
E-Mail:	daniel.mah@ses.com
State:	DC
Zipcode:	20036
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 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 type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. CityMt. Airy	
8. Latitude (dd mm ss.s h) 39 22 37.1 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 Narrative Attachment 2: Attachment 3: 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 an STA to use E050287 for SES-6 Ku-band In-orbit Testing. SES respectfully requests expedited action by June 14, 2013. See attached narrative.	
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).	

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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.

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

Call Signs E050287, E120055

SES Americom, Inc. (“SES”) respectfully requests a 30-day Special Temporary Authority (“STA”), beginning on or about July 14, 2013, to use the following earth stations to perform in-orbit testing (“IOT”) for the Netherlands-licensed SES-6 satellite at the 26° W.L. orbital location, prior to its relocation to its regularly authorized location at 40.5° W.L.

Earth Station	Antenna	Frequencies	Max Tx EIRP	Max Tx EIRP Density
E050287	WBKUB1	14.0-14.5 GHz up 11.7-12.2 GHz down	87.28 dBW	49.5 dBW/4 kHz
E120055	1	5.850-6.425 GHz up 3.625-4.2 GHz down	84.09 dBW	57.1 dBW/4 kHz

A full description of the SES-6 satellite can be found in the pending application for U.S. market access for SES-6 at 40.5° W.L. *See* File No. SAT-PPL-20120717-00117; Call Sign S2870 (accepted for filing Aug. 31, 2012).

Coordination of the IOT of SES-6 at 26° W.L. with adjacent satellite operators is complete. The IOT transmissions from the above earth stations will not exceed the maximum EIRP listed on their respective licenses. The maximum EIRP density on the licenses will also not be exceeded, except in the case of certain tests involving high-powered continuous wave (“CW”) carriers. Temporary use of these high-powered carriers in the C-band during IOT has been coordinated with co-primary terrestrial services. *See* Coordination Report (attached to STA application for E120055). The use of a CW carrier during C-band IOT may also result in satellite emissions in the 3.65-4.2 GHz frequency band that exceed the Commission’s PFD limits on the Earth’s surface in 47 C.F.R. § 25.208(a) within certain narrow bandwidths. To the extent necessary, SES requests a waiver of that provision for purposes of short-term satellite IOT on a non-interference basis.

In any event, all IOT operations will be conducted on a non-harmful interference basis. SES will cease transmissions in the event of any report of harmful interference. The SES point of contact during the proposed IOT operations will be Dewey Courtright, 410-970-7571, dewey.courtright@ses.com.

Grant of the requested STA will serve the public interest by enabling SES and its affiliate, New Skies Satellites B.V., to verify the capabilities of SES-6 before the satellite commences commercial operations at 40.5° W.L., while minimizing the risk of interference.