

E-120055 SES-STA-20131113-00980 IE2013002343
SES Americom, Inc.

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:
E120055 STA Request to Conduct C-band Testing with NSS-806 at 47.5W

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

File # SES-STA-20131113-00980
Call Sign: 160055 Grant Date: 11-15-13
(or other identifier)
Term Dates From: 11-15-13 To: 11-15-13
Approved: [Signature]


COMMUNICATIONS COMMISSION
INTERNATIONAL BUREAU

Applicant: SES Americom, Inc.
Call Sign: E120055
File No.: SES-STA-20131113-00980
Special Temporary Authority (STA)

SES Americom, Inc. (SES Americom) is granted a 30-day Special Temporary Authority, beginning on November 18, 2013, to use Earth Station E120055 to communicate with the Netherlands-licensed NSS-806 satellite at the 47.5° W.L. orbital location for the limited purpose of characterizing the C-band interference environment in the 6050-6258 MHz (Earth-to-space) and 3825-4033 MHz (space-to-Earth) frequency bands. The STA is granted under the following conditions:

- 1) SES Americom is limited a Max Tx EIRP of 50 dBW and Max Tx EIRP Density of 26 dBW/4 kHz.
- 2) SES Americom shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating radio communication system.
- 3) In the event of any harmful interference as a result of operations under this grant of special temporary authority, SES Americom shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
- 4) Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom's risk.
- 5) Grant of this authorization is without prejudice to any future FCC action on current or pending authorizations.

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.

 GRANTED International Bureau	File # <u>SES-STA 20131113-00980</u>
	Call Sign <u>E120055</u>
	(or other identifier)
	Grant Date <u>11-15-13</u>
	Term Dates From <u>11-18-13</u> To: <u>12-18-13</u>
Approver: <u>[Signature]</u>	

2. Contact			
Name:	Daniel C.H. Mah	Phone Number:	202-478-7137
Company:	SES Americom, Inc.	Fax Number:	202-478-7101
Street:	1129 20th Street NW Suite 1000	E-Mail:	daniel.mah@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
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 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			
11/18/2013			
7. City/Mt. Airy			
8. Latitude			
(dd mm ss.s h) 39 22 37.0 N			

9. State MD	10. Longitude (dd mm ss.h) 77 4 46.0 W
11. Please supply any need attachments. Attachment 1: E120055 STA 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: 5px 0;">SES requests a 30-day STA, beginning on or about November 18, to conduct some test transmissions with NSS-806 at 47.5W, as described in the attached narrative.</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. <p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
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 Sign E120055

SES Americom, Inc. (“SES”) respectfully requests a 30-day Special Temporary Authority (“STA”), beginning on or about November 18, 2013, to use Earth Station E120055 to communicate with the Netherlands-licensed NSS-806 satellite at the 47.5° W.L. orbital location for the limited purpose of characterizing the C-band interference environment at the new orbital location. The proposed operations will have the following parameters:

Earth Station	Antenna	Frequencies	Max Tx EIRP	Max Tx EIRP Density
E120055	1 (13m antenna)	6050-6258 MHz uplink 3825-4033 MHz downlink	50 dBW	26 dBW/4 kHz

A full description of the NSS-806 satellite at 47.5° W.L. can be found in the pending application for U.S. market access filed by SES’s affiliate, New Skies Satellites B.V. (“New Skies”). *See* File No. SAT-MPL-20130906-00114, Call Sign S2591 (accepted for filing public notice Sept. 13, 2013; no comments received).

The proposed operations with NSS-806 at 47.5° W.L. will not affect other lawfully authorized users of the C-band. Terrestrial Fixed Service (“FS”) stations will not be affected as Earth station E120055 has already been coordinated with the FS for the satellite arc from 15° to 142° W.L. and the proposed operations will be well within the coordinated parameters on the license. Adjacent satellite operators will also not be impacted as the proposed power levels comply with the limits in Section 25.212(d) for routine licensing of conventional C-band earth stations in a two-degree spacing environment.

In any event, all operations will be conducted on a non-protected, non-interference basis. SES will cease transmissions in the event of any report of harmful interference. The SES point of contact during the proposed 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 to evaluate the interference environment at 47.5° W.L. in advance of the commencement of commercial operations.