

S2181 SAT-STA-20121224-00222 IB2012002944  
SES Americom, Inc.  
AMC-16



\*with conditions

File # SAT-STA-20121224-00222

Call Sign S2181 Grant Date 01/29/13

(or other identifier)

Term Dates period of  
From 01/29/13 To: 60 days

Approved: *Stephen J. Duall*

Stephen J. Duall  
Chief, Satellite Policy Branch

Approved by OMB  
3060-0678

Date & Time Filed: Dec 24 2012 12:07:35:716PM  
File Number: SAT-STA-20121224-00222  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
AMC-16 (S2181) STA for Ka Band Repoint Dec 2012

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>	Mr Daniel C.H. Mah		

**Attachment to Grant**  
**Application of SES Americom, Inc.**  
**IBFS File No. SAT-STA-20121224-00222**  
**Call Sign S2181**


The application of SES Americom, Inc. (SES Americom) for special temporary authority, IBFS File No. SAT-STA-20121224-00222, for a period of 60 days, to repoint the spot beams of the AMC-16 space station (Call Sign S2181) at the 85° W.L. orbital location in the 18.6-18.8 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth), 28.4-28.6 GHz (Earth-to-space), and 29.5-30.0 GHz (Earth-to-space) frequency bands IS GRANTED. Specifically, SES Americom is authorized to repoint the Ka-band beams on the AMC-16 space station such that the 10 spot beams still provide coverage of the continental United States, but provide a slightly different coverage for each beam. Operations pursuant to this authorization must be in accordance with the technical specifications set forth in SES Americom's application and the Commission's rules, and are subject to the following conditions:

1. All operations pursuant to this grant of special temporary authority shall be on an unprotected and non-harmful interference basis, *i.e.*, SES Americom must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station.
2. In the event of any harmful interference caused by AMC-16 while operating pursuant to this grant of special temporary authority, SES Americom must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event.
3. While at the 85° W.L. orbital location, SES Americom must maintain the AMC-5 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
4. No changes are authorized to the previously authorized technical parameters of the Ku-beams aboard AMC-16 in the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands.
5. With the exception of the repointing of the 10 spot beams in the 18.6-18.8 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth), 28.4-28.6 GHz (Earth-to-space), and 29.5-30.0 GHz (Earth-to-space) frequency bands, SES Americom must comply with the conditions placed on operations of AMC-16 in IBFS File No. SAT-LOA-19950929-00133 *et al.*
6. Operations of AMC-16 under this grant of special temporary authority must comply with any agreement previously coordinated with U.S. Government systems pursuant to footnote US334 to the Table of Frequency Allocations. *See GE American Communications, Inc.*, Order and Authorization, 12 FCC Rcd 6475, 6486 para. 34 (Int'l Bur. May 9, 1997).
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES Americom's own risk.
8. Grant of this authorization is without prejudice to any action on IBFS File No. SAT-MOD-20121224-00221.

**Attachment to Grant**  
**Application of SES Americom, Inc.**  
**IBFS File No. SAT-STA-20121224-00222**  
**Call Sign S2181**

9. SES Americom is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

10. 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. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.

 <b>GRANTED*</b> International Bureau *with conditions	<b>File #</b> <u>SAT-STA-20121224-00222</u>
	<b>Call Sign</b> <u>S2181</u> <b>Grant Date</b> <u>01/29/13</u> (or other identifier)
	<b>Term Dates</b> period of <b>From</b> <u>01/29/13</u> <b>To:</b> <u>60 days</u>
	<b>Approved:</b> <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact

<b>Name:</b>	Karis A. Hastings	<b>Phone Number:</b>	(202) 599-0975
<b>Company:</b>	SatCom Law LLC	<b>Fax Number:</b>	
<b>Street:</b>	1317 F Street, NW 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 SATMOD2012122400221 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    CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location                       Extend Expiration Date                       Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date

8. 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. ('SES') respectfully requests special temporary authority for a 60-day period beginning on or before January 25, 2013, to permit reorientation of the AMC-16 space station's Ka-band beams. Authority is sought pending action on the concurrently-filed application to modify the AMC-16 license to reflect the reorientation, File No. SAT-

9. 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.  Yes  No

10. Name of Person Signing  
Daniel C.H. Mah

11. Title of Person Signing  
Regulatory Counsel

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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.**

## **8. Description**

SES Americom, Inc. ('SES') respectfully requests special temporary authority for a 60-day period beginning on or before January 25, 2013, to permit reorientation of the AMC-16 space station's Ka-band beams. Authority is sought pending action on the concurrently-filed application to modify the AMC-16 license to reflect the reorientation, File No. SAT-MOD-20121224-00221.

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

In the Matter of	)	
	)	
SES AMERICOM, INC.	)	File No. SAT-STA-_____
	)	Call Sign S2181
Request for Special Temporary Authority to	)	
Alter the Ka-band Coverage of AMC-16	)	

**REQUEST OF SES AMERICOM, INC.**

SES Americom, Inc. (doing business as “SES”), hereby respectfully requests special temporary authority (“STA”) for a period of 60 days beginning on or before January 25, 2013, to permit reorientation of the AMC-16 fixed-satellite space station’s Ka-band beams. SES seeks STA pending action on its concurrently-filed application to modify the AMC-16 license to permit adjustment of the satellite’s Ka-band footprint.<sup>1</sup> Grant of the requested authority will enable SES to tailor the Ka-band coverage of AMC-16 to better accommodate customer service requirements.

As discussed in the AMC-16 Modification, SES has a customer request to perform a slight reorientation of the AMC-16 Ka-band beams. The modification application includes a public interest analysis in support of the request as well as technical materials demonstrating that adjusting the AMC-16 Ka-band coverage as proposed will not adversely affect any other satellite operators. The Commission has generally permitted satellite operators the flexibility to design and modify their networks in response to customer requirements, absent

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<sup>1</sup> *SES Americom, Inc.*, Call Sign S2181, File No. SAT-MOD-20121224-00221 (the “AMC-16 Modification”).



compelling countervailing public interest considerations.<sup>2</sup> Here, grant of the requested STA will permit SES to accommodate customer requirements and facilitate efficient use of AMC-16 to provide service to customers.

For the foregoing reasons, SES respectfully requests expeditious grant of STA to permit reorientation of AMC-16 in order to adjust the Ka-band footprint pending action on the AMC-16 Modification.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Daniel C.H. Mah

Of Counsel

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Dated: December 24, 2012

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<sup>2</sup> See, e.g. *AMSC Subsidiary Corporation*, 13 FCC Rcd 12316 at ¶ 8 (IB 1998) (the Commission generally leaves space station design decisions to the licensee “because the licensee is in a better position to determine how to tailor its system to meet the particular needs of its customers”) (footnote omitted).