

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for 30-Day STA to Test 9m Ku-band Antenna in South Mountain, CA (K-6)

1. Applicant

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



Application: SES Americom, Inc.  
File No.: SES-STA-20170509-00542  
Call Sign: None  
Special Temporary Authority

SES Americom, Inc. is granted special temporary authority for 30 days, beginning May 30, 2017, to test a 9 meter antenna in South Mountain, California (SM K-6) located at 34° 19' 32.27' N, 118° 59' 43.18' W, with AMC-15 satellite at 105° W.L. (call-sign S2180) using the following frequency bands: 11700-12200 MHz (space-to-Earth) and 14000-14500 MHz (Earth-to-space) and to test the 9 meter antenna, using the following frequency bands: 17300-17550 MHz (space-to-Earth), with SES-10 satellite at 66.9° W.L. (call-sign; S2950) under the following 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 of any harmful interference under this grant of special temporary authority, SES Americom, Inc., must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely 'at SES Americom, Inc.'s risk.
5. Grant of this special temporary authority is without prejudice to any determination that the Commission may make regarding pending or future SES Americom, Inc. applications.
6. 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"

File # SES-STA-20170509-00542

Call Sign N/A Grant Date 05/24/2017  
(or other identifier)

From 05/30/2017 Term Dates 06/29/2017  
Tox

Approved: Paul E. Hlev



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

In the Matter of )  
SES Americom, Inc. ) SES-STA-\_\_\_\_\_-\_\_\_\_\_  
Request for Special Temporary Authority to Test )  
New Antenna in the Conventional Ku-band and )  
Ku BSS band )

*Expedited Action Requested*

**APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**

SES Americom, Inc. (“SES”) respectfully requests Special Temporary Authority (“STA”) for 30 days to test a new nine meter antenna, located at SES’s facility in South Mountain, CA (SM K-6) in the conventional Ku-band with the AMC-15 satellite at 105° W.L. (Call Sign S2180) and in the and Ku BSS bands with the SES-10 satellite once it arrives at 66.9° W.L. (Call Sign S2950). SES is preparing and will shortly file an application seeking a license for this antenna, which will be used to provide commercial service and telemetry, tracking and control operations for the SES-15 satellite to be operated by SES Satellites (Gibraltar) Ltd. (“SES-GIB”) at 129.15° W.L.<sup>1</sup> SES seeks STA to test the new antenna in the conventional and BSS Ku-band frequencies beginning May 15, 2017, and asks for Commission action consistent with that timing.

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<sup>1</sup> See SES Satellites (Gibraltar) Limited, Call Sign S2951, File Nos. SAT-PPL-20160126-00007, SAT-MPL-20160718-00063, granted Dec. 14, 2016 (“SES-15 Grant”).

Specifically, SES requests authority to test the SM K-6 antenna on the following frequencies with AMC-15: 11.7-12.2 GHz (downlink) and 14.0-14.5 GHz (uplink). SES also requests authority to test the antenna on the following frequencies with SES-10: 17.3-17.55 GHz (uplink). SES will not use downlink transmission from SES-10 during the tests. Testing will consist of an unmodulated CW carrier operating for a few hours several times during the requested 30-day STA term. All operations will be conducted within the technical parameters set forth in Attachment 1 and on an unprotected, non-interference basis.

Grant of the requested STA on an expedited basis is in the public interest because it will allow SES Americom to ensure its earth station is capable of providing a high level of service in support of the SES-15 operations in advance of the satellite's launch, which is scheduled for later in May.

#### **Waiver Request**

SES requests a limited waiver of the Commission's requirements in connection with the instant application. Grant of this waiver is consistent with Commission policy:

The Commission may waive a rule for good cause shown. Waiver is appropriate if special circumstances warrant a deviation from the general rule and such deviation would better serve the public interest than would strict adherence to the general rule. Generally, the Commission may grant a waiver of its rules in a particular case if the relief requested would not undermine the policy objective of the rule in question and would otherwise serve the public interest.<sup>2</sup>

Section 2.106 and Footnote US271. The SES-10 Grant included a waiver of Section 2.106 and footnote US271 permitting New Skies Satellites B.V. to provide service into the United States at 67° W.L. using the 17.3-17.55 GHz band, which is allocated for the fixed-

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<sup>2</sup> *PanAmSat Licensee Corp.*, 17 FCC Rcd 10483, 10492 (Sat. Div. 2002) (footnotes omitted).

satellite service but limited to use by broadcasting-satellite service (“BSS”) feeder links.<sup>3</sup> At 66.9° W.L., the SES-10 spacecraft will be located 2.3° from the nearest BSS Feeder link Plan assignment and 5.4° from the nearest operational BSS Feeder links at the nominal 61.5° W.L. location. As described in the SES-10 Petition, BSS feeder links are similar to other FSS operations using large earth station antennas that can share on a roughly two degree spacing basis. Furthermore, operations in the 17.3-17.55 GHz band will be on an unprotected, non-interference basis. Thus, granting a waiver will not undermine Commission policy because BSS operations will be fully protected.

For the foregoing reasons, SES Americom respectfully requests that the Commission grant it a 30-day STA on an expedited basis to test its SM K-6 antenna with AMC-15 in the conventional Ku-band and with SES-10 in the Ku BSS band.

Respectfully submitted,

SES Americom, Inc.

By: /s/ Petra A. Vorwig

Of Counsel

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Petra A. Vorwig  
Senior Legal & Regulatory Counsel  
SES Americom, Inc.  
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Washington, D.C. 20036

Dated: May 9, 2017

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<sup>3</sup> See *New Skies Satellites B.V. Market Access Application*, File No. SAT-PPL-20160117-00005 (“SES Petition”), Attachment to Grant at 2, ¶ 5, granted on June 23, 2016 (“SES-10 Grant”).

**2. Contact**

<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 St, NW	<b>E-Mail:</b>	karis@satcomlaw.com
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<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 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

05/15/2017

7. City/Solis

8. Latitude

(dd mm ss.s h)    34    19    32.27    N

9. State CA	10. Longitude (dd mm ss.s h) 118 59 43.18 W
11. Please supply any need attachments. Attachment 1: STA Narrative                      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: 10px 0;">SES requests Special Temporary Authority (STA) for 30 days to test a 9m antenna located at its South Mountain, CA facility in the conventional Ku-band with AMC-15 (Call Sign S2180) and in the Ku BSS uplink band with SES 10 (Call Sign S2950). See attached.</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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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