

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for 60-day STA to Operate WB K-14 with AMC-4 (S2135) at 134.9 W.L.

1. Applicant

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



File # SES-STA-20170725-00794  
170137 Call Sign Grant Date 7-27-17  
(or other identifier) Term Dates  
From: 7-27-17 To: 9-29-17  
Approved: Paul E. Allen

Applicant: SES Americom, Inc.  
Call Sign: E170137  
File No.: SES-STA-20170725-00794  
Special Temporary Authority (STA)



File # SES-STA-20170725-00794  
E170137  
Call Sign E170137 Grant Date 7-27-17  
(or other identifier)  
Term Dates  
From: 7-31-17 To: 9-29-17  
Approved: [Signature]

SES Americom, Inc. ("SES Americom") is granted STA, for 60 days, beginning July 31, 2017 to operate the ASC Signal 7.6-meter Ku-band antenna at its new fixed earth station in Mt. Airy, Maryland located at 39° 22' 38.8" N.L, 077° 04' 52.0" W.L to communicate with AMC-4 (Call Sign S2135) at permanent orbital location 134.9 degrees W.L. using the conventional Ku-band frequencies 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth). Operations will be under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested:

Maximum eirp: 84.8 dBW  
Maximum eirp density: 45.3 dBW/4kHz  
Emissions: 36M0G7W, 100KG7W, N0N

2. Operations, 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 of any harmful interference under this grant of STA, SES Americom, E170137 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

4. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.

5. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. The FCC's OET Bulletin 65 (available on-line at [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding SES Americom's pending application IBFS File No. SES-LIC-20170725-00795.

7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom's risk.

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.

<b>2. Contact</b>	
<b>Name:</b> George Varkey	<b>Phone Number:</b> 609-987-4327
<b>Company:</b> SES Americom, Inc.	<b>Fax Number:</b>
<b>Street:</b> 4 Research Way	<b>E-Mail:</b> george.varkey@ses.com
<b>City:</b> Princeton	<b>State:</b> NJ
<b>Country:</b> USA	<b>Zipcode:</b> 08540 -
<b>Attention:</b>	<b>Relationship:</b> Engineer
(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 IB2017002019	
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 checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 08/01/2017	
7. CityMt. Airy	
8. Latitude (dd mm ss.s h) 39 22 38.8 N	

9. State MD	10. Longitude (dd mm ss.s h) 77 4 52.0 W
11. Please supply any need attachments. Attachment 1: 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 Americom, Inc. requests special temporary authority to operate its new WB K-14 antenna in the conventional and extended Ku-band with AMC-4 (S2135) for 60 days beginning on July 31, 2017 pending action on the application filed under submission ID IB2017002019. AMC-4 is scheduled to arrive at 134.9 W.L. and be available for service on August 1, 2017.	
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 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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## 12. Description

SES Americom, Inc. requests special temporary authority to operate its new WB K-14 antenna in the conventional and extended Ku-band with AMC-4 (S2135) for 60 days beginning on July 31, 2017 pending action on the application filed under submission ID IB2017002019. AMC-4 is scheduled to arrive at 134.9 W.L. and be available for service on August 1, 2017. Grant of the requested authority is in the public interest because it will allow SES to begin using the spectrum that AMC-4 will make available at 134.9 W.L. immediately, ensuring efficient use of the resources. SES incorporates by reference the technical information submitted in the application filed under submission ID IB2017002019.