

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:
Request for 180-Day STA to Operate 1 meter Antenna in Ku-band

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		

180 days *"With Conditions"*
File # SES-STA-20170310-00263
Call Sign N/A **Grant Date** 05/08/2017
(or other identifier)
Term Dates
From 05/08/2017 **To** 11/04/2017
Approved: *[Signature]*



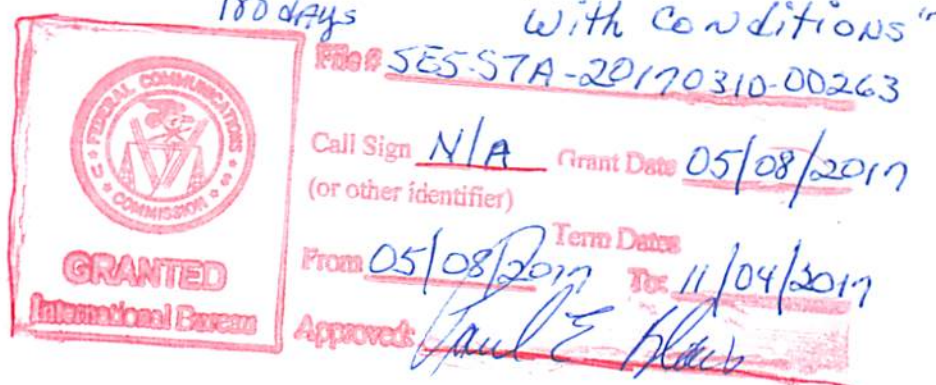
Applicant: SES Americom, Inc.
Call Sign: N/A
File No.: SES-STA-20170310-00263
Special Temporary Authority (STA)

SES Americom, Inc. is granted a special temporary authority for 180 days, commencing May 6, 2017, to operate its Bristow, VA fixed earth station to communicate with SES-4 (S2828) at the 22° W.L. orbital location to test an Intellian V100 antenna in the 14.0 - 14.5 GHz (Earth-to-space) and 11.7- 12.2 GHz (space-to-Earth) frequency bands under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested and coordinated.
2. The operations must be coordinated with all operators of satellites that use the same frequency bands. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. Currently the 24X7 contact information is: Ph. :(703) 367-7311. Requests to speak with Gary Cruickshank.
3. 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 and notify the FCC in writing.
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 measure 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. 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 upon release.

180 days "With conditions"



The stamp is a red ink stamp from the Federal Communications Commission (FCC) International Bureau. It contains the following information: a circular logo with the FCC seal, the word "GRANTED" in large letters, and "International Bureau" below it. To the right of the stamp, there are handwritten entries: "File # SES-STA-20170310-00263", "Call Sign N/A (or other identifier)", "Grant Date 05/08/2017", "Term Dates From 05/08/2017 To 11/04/2017", and "Approved: Paul E. [Signature]".

File # SES-STA-20170310-00263
Call Sign N/A Grant Date 05/08/2017
(or other identifier)
Term Dates
From 05/08/2017 To 11/04/2017
Approved: Paul E. [Signature]

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. ("SES") respectfully requests special temporary authority ("STA") for a period of 180 days to operate a fixed antenna in the conventional Ku-band on a non-interference basis at its Manassas, Virginia teleport. The antenna will communicate with SES-4 (call sign S2828), a Netherlands-licensed satellite that is on the Commission's Permitted Space Station List. The technical details of the proposed operations are provided below, and the antenna will be operated in compliance with the Commission's radiation hazard limits. Grant of the requested authority will allow SES to begin testing the antenna in preparation for customer service delivery.

Site Details

Contact Information:

Gary Cruickshank
703-367-7311

Address:

8000 Gainsford Ct.
Bristow, VA 20136

Geographic Coordinates:

Latitude: 38° 46' 58.92" N

Longitude: 77° 34' 26.42" W

Site Elevation:

84.0 meters

Antenna Details

Antenna ID:	V100
Manufacture/Model:	Intellian/V100
Antenna Size:	1.03 meters
Antenna Gain Transmit:	41.3 dBi at 14.125 GHz
Antenna Gain Receive:	39.8 dBi at 11.85 GHz
Height Above Ground Level:	2 meters
Height Above Sea Level:	86 meters
Total Input Power at the Flange:	8 watts
Total EIRP for all Carriers:	50.33 dBW

Operational Details

Frequency (MHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBW/4kHz)
14000-14500	T	Horizontal and Vertical	100KG7W	38.64	24.64
14000-14500	T	Horizontal and Vertical	1M48G7W	50.33	24.64
14000-14500	T	Horizontal and Vertical	N0N	30.64	30.64
11700-12200	R	Horizontal and Vertical	100KG7W		
11700-12200	R	Horizontal and Vertical	54M0G7W		

2. Contact	
Name: SES Americom, Inc.	Phone Number: 202-478-7143
Company:	Fax Number: 202-478-7111
Street: 1129 20th Street NW Suite 1000	E-Mail: petra.vorwig@scs.com
City: Washington	State: DC
Country: USA	Zipcode: 20036 -
Attention:	Relationship:
(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. City Bristow	8. Latitude (dd mm ss.s h) 38 46 58.92 N

9. State VA	10. Longitude (dd mm ss.s h) 77 34 26.42
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 Americom, Inc, requests Special Temporary Authority for 180 days to test an Intellian V100 antenna. The antenna will communicate with the SES-4 satellite (call sign S2828) in the conventional Ku-band.</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 Ms. 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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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.