

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
SES-STA-PSL-K1-Ext.Ku

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		



File # SES-STA-20180905-02531
E170197
Call Sign E170197 Grant Date 12-16-18
(or other identifier)
From: 12-16-18 To: 2-10-19
Team Dates
Approved: [Signature]

2. Contact			
Name:	George A Varkey	Phone Number:	6099874327
Company:	SES	Fax Number:	
Street:	4 Research Way	E-Mail:	george.varkey@ses.com
City:	Princeton	State:	NJ
Country:	USA	Zipcode:	08540 -
Attention:		Relationship:	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 SESLIC2017102601218 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			
09/15/2018			
7. City/Port St. Lucie		8. Latitude	
		(dd mm ss.s h) 27 16 56.0 N	

9. State FL	10. Longitude (dd mm ss.s h) 80 28 58.0 W
11. Please supply any need attachments. Attachment 1: Service Description 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 requests STA for the earth station (Call sign # E170197) starting from Sept 15th, 2018, for duration of 60 days. The STA is requested for the earth station in order to avoid disruption and continue the services on SES-14 Satellite (positioned at 47.5 deg W).	
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. ☒ Yes ☐ 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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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.

Applicant: SES Americom, Inc
Call Sign: E170197
File No.: SES-STA-20180905-02531

SES Americom, Inc. is granted special temporary authority for 60 days, beginning on December 12, 2018, to operate its Port St. Lucie, FL earth station to avoid disruption and continue services with SES-14 (S2974) satellite while on-station at 47.5° W.L. orbital location on the following frequency bands: 13770-13780 MHz, 13778-14000 MHz and 13750-14000 MHz (Earth-to- space) under the following conditions:

1. All operations under this grant of STA shall be on an unprotected and noninterference basis.
2. In the event of any harmful interference as a result of operations under this grant of STA, SES Americom, Inc. shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
3. Operations in the 13750-14000 MHz band, the EIRP of any emission should be at least 68 dBW and should not exceed 85 dBW.
4. Any action taken or expense incurred because of operations pursuant to this STA is solely at SES Americom, Inc. risk.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future SES-Americom Inc. applications.

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.



File # SES-STA-20180905-02531
Call Sign E170197 Grant Date 12-12-18
(or other identifier)
Term Dates
From: 12-12-18 To: 2-10-19
Approved: [Signature]

Description-SES-14: Services/Carriers (Ext.Ku)

Site Details

Contact Information:

Renato Dias
305-514-0001

Address:

10161 Range Line Rd
Port St. Lucie, FL 34987

Geographic Coordinates:

Latitude: 27.282 N

Longitude: 80.482 W

Site Elevation:

5 meters

Antenna Details

Antenna ID: PSL-K1
Manufacture/Model: General Dynamics/9.0m Cassegrain
Antenna Size: 9.0 meters
Antenna Gain Transmit: 60.1 dBi at 14.125 GHz
Antenna Gain Receive: 58.5 dBi at 11.725 GHz
Height Above Ground Level: [9.7] meters
Height Above Sea Level: [14.7] meters
Total Input Power at the Flange: [750] watts
Total EIRP for the test Carriers: [88.85] dBW

Operational Details

Frequency (GHz)	Transmit/ Receive	Pol	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density (dBw/4kHz)
13780-14000	T	H,V	72M0G7W	77.5	34.9
13778-14000	T	H,V	118MG7W	79.6	34.9
13770-13780	T	H,V	8M17G7W	68.0	34.9
13750-14000	T	H,V	8M17G7W	68.00	34.9
13750-13770	T	H,V	20M0G7W	71.90	34.9