

E070181 SES-STA-20110218-00182
SES AMERICOM, INC.

IB2011000514

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 30-day STA to use E070181 to perform on-station TT&C for NSS-703 at 47.05W

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7137
DBA Name:		Fax Number:	202-478-7101
Street:	1129 20th Street NW Suite 1000	E-Mail:	daniel.mah@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036
Attention:	Daniel C.H. Mah		

"30 days" with conditions



File# SES-STA-20110218-00182
Call Sign E070181 **Grant Date** 03/03/2011
(or other identifier)
Term Dates
From 03/04/2011 To: 04/01/2011
Approved: *[Signature]*

STA CONDITIONS

SES AMERICOM, INC.
SES-STA-20110218-00182
E070181

1. No harmful interference can be caused to any lawfully operating satellite network or radio communication system and SES Americom's operations must cease immediately upon notification of harmful interference. Further, SES Americom shall notify the Commission in writing that it has received such a notification within 14 days of receipt.
2. This grant is without prejudice to action on SAT-PPL-20101103-00230, SAT-APL-20110120-00015.

"30 days" with conditions



File# SES-STA-20110218-00182

Call Sign E070181 Grant Date 03/03/2011
(or other identifier)

Term Dates
From 03/04/2011 To: 04/01/2011

Approved: Paul E. Blaw

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

SES Americom, Inc. (“SES Americom”) respectfully requests a Special Temporary Authority (“STA”), starting on or about March 4, 2011, to use the earth station license with call sign E070181 to perform telemetry, tracking and command (“TT&C”) functions with the NSS-703 spacecraft once it arrives at the 47.05° W.L. orbital location. All on-station TT&C operations will be performed in the following C-band frequencies:

Telecommand:	6173.7 MHz, 6176.3 MHz
Telemetry:	3947.5 MHz, 3948.0 MHz, 3952.5 MHz, 3952.0 MHz
Tracking Beacon:	3950.0 MHz

As the Commission is aware, SES Satellites (Gibraltar) Ltd (“SES Gibraltar”), an indirect wholly-owned subsidiary of SES Americom, has filed a petition for declaratory ruling to add the NSS-703 satellite to the FCC’s Permitted Space Station List to provide C- and Ku-band service to the United States from the 47.05° W.L. orbital location. *See* File Nos. SAT-PPL-20101103-00230, SAT-APL-20110120-00015 (Call Sign S2818; *Public Notice*, Report No. SAT-00753, rel. Feb. 1, 2011). SES Gibraltar has been authorized by the Gibraltar Regulatory Authority to utilize the C- and Ku-band frequencies at the nominal 47° W.L. orbital location to serve various countries within the satellite’s footprint. A full description of the licensing and technical specifications of the satellite (including its TT&C subsystem) is contained in SES Gibraltar’s filing with the Commission.

SES Gibraltar has arranged with its affiliate SES Americom to use earth station E070181 to perform TT&C functions for the NSS-703 satellite once the satellite arrives on-station at 47.05° W.L. Once SES Gibraltar’s Permitted List petition is granted, all U.S. earth stations with an “ALSAT” or “Permitted List” designation will be authorized to communicate with NSS-703 at 47.05° W.L. Pending the grant of that petition, however, SES Americom is requesting an STA to allow earth station E070181 to communicate with the spacecraft.

SES Americom acknowledges that the TT&C frequencies for the NSS-703 satellite are located at the center of the allocated C-band frequencies, and not at the band edges as required by 47 C.F.R. § 25.202(g). SES Americom respectfully requests a waiver of § 25.202(g) to the extent one is required for the grant of this STA. As explained in SES Gibraltar’s petition for declaratory ruling, NSS-703’s use of center-of-band TT&C frequencies is simply the product of the historical, international origins of the NSS-703 satellite as a former INTELSAT satellite. The FCC has previously waived § 25.202(g) for former INTELSAT satellites that are now serving the United States as U.S.- or foreign-licensed spacecraft,¹ and should do so again here on the same basis. *See also* SES-STA-20101208-01518 (granted Dec. 10, 2010) (granting STA to use earth

¹ *See* Petition of Declaratory Ruling at 6-8 notes 16, 18 & 23, *in* File No. SAT-PPL-20101103-00230 (filed Nov. 3, 2010) (pending).

station WB81 to perform TT&C on center-of-band frequencies with NSS-703 during drift to 47.05° W.L.).

Grant of the requested STA and any necessary waiver will serve the public interest as it will assure safe operation of the NSS-703 satellite once it arrives on-station at 47.05° W.L. Grant of the STA will also not cause any harmful interference. The use of the C-band frequencies on earth station E070181 has been coordinated with terrestrial services for orbital locations as far east as 15° W.L. *See* File No. SES-MOD-20100930-01226 (granted Nov. 8, 2010).

For all of these reasons, SES Americom respectfully requests expeditious grant of a 30-day STA to use earth station E070181 to perform on-station TT&C with the NSS-703 satellite at 47.05° W.L. by no later than March 4, 2011.