

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

In the Matter of Application by)
)
SES AMERICOM, INC.) SES-STA-_____ - _____
) Call Sign KA288
For Special Temporary Authority to)
Provide TT&C for SES-10 during IOT)
at 68.5° W.L. and During Drift to 66.9° W.L.)

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES Americom” or “SES”) respectfully requests earth station special temporary authority (“STA”) for a period of 30 days, beginning 11 days following launch of SES-10, to use its KA288 antenna in Somis, California to communicate with the SES-10 satellite in order to provide Tracking, Telemetry and Command (“TT&C”) services for the SES-10 satellite during in-orbit testing at 68.5° W.L. and during the satellite’s drift to its final orbital location of 66.9° W.L. The satellite is currently scheduled to launch mid-March 2017, and SES seeks action on the STA consistent with that schedule. Grant of the requested authority will serve the public interest by facilitating the safe operation of SES-10 during testing and in transit to its orbital location to commence regular operations.

SES Americom’s affiliate, New Skies Satellites B.V. (“NSS”), has been authorized to use the SES-10 satellite to provide service into the United States using SES-10.¹ SES-10 will be located at 68.5° W.L. +/- 0.1 degrees during in-orbit testing. The relaxed

¹ See *New Skies Satellites B.V. Market Access Application*, File No. SAT-PPL-20160117-00005 (“SES-10 Petition”), granted on June 23, 2016 (“SES-10 Grant”). The grant was based on SES-10 operating at 67.0° W.L., but NSS has filed a modification seeking to operate the satellite at 66.9° W.L. pursuant to the Commission’s expedited process set out in Section 25.117(h)(1). *New Skies Satellites B.V. Modification*, File No. SAT-MPL-20170108-00002, (Call Sign S2950), filed Jan. 8, 2017.

stationkeeping tolerance will minimize interruptions to the payload testing operations due to stationkeeping maneuvers, which would delay the satellite's on-station start of operations. The proposed stationkeeping volume will not overlap with any other satellite at 68.5° W.L.

Following the completion of in-orbit testing at 68.5° W.L., SES-10 will drift to its final orbital location at 66.9° W.L.

NSS has requested that SES Americom assist with testing the satellite and provide TT&C during the tests at 68.5°W.L. and during the drift to the nominal 67° W.L. orbital location. The proposed operations will be coordinated with all satellite operators that use the same frequency bands within six degrees of 68.5° W.L. and those within the drift path. All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event harmful interference occurs.

Grant of STA Will Serve the Public Interest. Grant of this STA request is in the public interest. The requested authority to provide TT&C services while SES-10 is tested at 68.5° W.L. and drifts to its final orbital location will facilitate the safe operation of SES-10.

No Harmful Interference to Other Spacecraft. All TT&C operations with SES-10 while it is located at 68.5° W.L. and during relocation to 66.9° W.L. will be on a non-harmful interference basis. The drift of the spacecraft will be coordinated with other satellite operators consistent with industry practice.²

For the foregoing reasons, SES Americom respectfully requests special temporary authority for a period of up to 30 days for its earth station to communicate with SES-10 to provide TT&C to maintain the satellite at 68.5° W.L. and drift the spacecraft to 66.9° W.L., as

² The 24/7 point of contact for the proposed SES-10 operations is the SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 800 772 2363 or 1 410 970 7570; e-mail: PMOC@ses.com.

described herein. Grant of the requested authority will promote safe operation of the satellite during and after testing.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Petra Vorwig

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ATTACHMENT 1

Call Sign: KA288

Site Details

Contact Information:

Dave Coyle
805-386-2712

Address:

5990 Solano Verde Dr.
Somis, California
93066

Geographic Coordinates:

Latitude: 34° 19' 31.0" N

Longitude: 118° 59' 44.4" W

Site Elevation:

311.0 meters

Antenna Details

Antenna ID:	TK1
Manufacture/Model:	Vertex/6.1 KPK
Antenna Size:	6.1m
Antenna Gain Transmit:	57.1 dBi at 14.0 GHz
Antenna Gain Receive:	58.5 dBi at 11.725 GHz
Height Above Ground Level:	7.0 meters
Height Above Sea Level:	318.0 meters
Total Input Power at the Flange:	650 watts
Total EIRP for all Carriers:	85.2 dBW

TT&C 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	1M00F9D	73.0	49.1
11700-12200	R	Horizontal and Vertical	500KF9D		