

KA258 SES-STA-20151207-00917
Intelsat License LLC

IB2015002373

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 Special Temporary Authority Using Hagerstown, Maryland Earth Station KA258

I. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat Corporation 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		



with conditions
File # SES-STA-20151207-00917

Call Sign KA258 Date 01/13/2016
(or other identifier)

Term Dates
From 01/14/2016 To: 02/12/2016

Approved: Paul E. Rao

Application: Intelsat License LLC
Call Sign: KA258
File No.: SES-STA-20151207-00917
Special Temporary Authority (STA)

Intelsat License LLC is granted a STA, under the following conditions, for 30 days, beginning January 14, 2016, to operate its Ku-band earth station, Call Sign KA258, in Hagerstown, Maryland, to provide launch and early orbit phase ("LEOP") services for the SES-9 satellite at permanent orbital location 108.2° E.L., licensed by Gibraltar. The in-orbit testing location will be 113.5° E.L. The launch is expected to be on January 14, 2016.

1. Uplink (Earth-to-space) frequencies will be on 13753.00 MHz, 13998.00 MHz and 14496.00 MHz (RHCP) within the coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Downlink (space-to-Earth) frequencies will be on 11199.50 MHz, 11702.50 MHz and 12246.50 MHz (RHCP).
3. All operators of satellites 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 for the SES-9 satellite mission is as follows: Ph.: (703) 559-7701 - East Coast Operations Center (primary); (310) 525-5591 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
4. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's KA258 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference under this grant of STA, Intelsat License, LLC KA258 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License, LLC applications.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License, LLC's risk.
8. 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.



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Approved: Paul E. How

"with conditions"



INTELSAT.

Envision. Connect. Transform.

December 7, 2015

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing January 14, 2016, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the SES-9 satellite. SES-9 is expected to be launched no earlier than January 14, 2016.² Intelsat expects the LEOP period to last between fourteen and eighty days.³

The SES-9 LEOP operations will be performed in the following frequency bands: 13753.0 MHz, 13998.0 MHz, and 14496.0 MHz in the uplink (RHCP), and 11199.5 MHz, 11702.5 MHz, and 12246.5 MHz in the downlink (RHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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.

The 24x7 contact information for the SES-9 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location for SES-9, which Intelsat understands is licensed by Gibraltar, will be at 108.2° E.L. The in-orbit testing location will be 113.5° E.L.

³ Intelsat is seeking 30 days to accommodate the LEOP window of the medium-lift launch, which will vary based on the performance of the rocket.

⁴ Boeing, the manager of the SES-9 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
December 7, 2015
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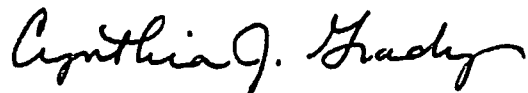
In further support of this request, Intelsat hereby attaches Exhibits A, B, and C, which contain a 13.75 - 14.0 GHz analysis and waiver requests.

Finally, Intelsat clarifies that during the SES-9 LEOP mission, Boeing will serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Boeing. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the SES-9 satellite. This, in turn, will help will provide additional capacity at the 108.2° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais