



Approved: _____

From: _____ For: _____

John Dyer

(or other identifier)

Call Sign: _____

File # _____

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to Use Hagerstown, MD Earth Station KA258 to Provide LEOP Services for KoreaSat-5A

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		



File # SES-STA-20170920-01043

Call Sign KA258 Grant Date 09/26/2017
(or other identifier)

Term Dates
From: 10/14/2017 To: 11/13/2017

Approved: Kez Munday
Deputy Chief, Satellite Division

"With conditions"

File # _____
Call Sign _____ Grant Date _____
(or other identifier)
Term Dates _____
From: _____
Approved: _____




Application: Intelsat License LLC
File No.: SES-STA-20170920-01043
Call Sign: KA258
Special Temporary Authority

Intelsat License, LLC is granted a special temporary authority for 30 days, beginning October 14, 2017, to operate its Ku-band earth station, call sign KA258, in Hagerstown, Maryland to provide launch and early orbit phase (LEOP) services for the KoreaSat-5A satellite licensed by Korea at 114.5° E.L. The final location of the KoreaSat-5A will be at 113° E.L., using the following center frequencies: 14002.50 MHz and 14497.00 MHz (V, H, and CP) (Earth-to-space) and 12252.50 MHz and 12747.50 MHz (V, H, and CP) (space-to-Earth) under the following conditions;

1. All operations must be within the coordinated emission and power limits.
2. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. 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 for the KoreaSat-5A satellite 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.
3. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, KA258, 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.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. This STA can only be used to provide launch and early orbit phase ("LEOP") services for the KoreaSat-5A satellite.
6. 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.

"With conditions"

30 days

 GRANTED International Bureau	File # <u>SES-STA-20170920-01043</u>
	Call Sign <u>KA258</u> Grant Date <u>09/26/2017</u> (or other identifier)
	Term Dates From: <u>10/14/2017</u> To: <u>11/13/2017</u>
	Approved: <u>Ky Munnay</u> <i>Deputy Chief, Satellite Div.</i>



INTELSAT.

Envision. Connect. Transform.

September 20, 2017

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 October 14, 2017, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the KoreaSat-5A satellite. KoreaSat-5A is expected to be launched on October 14, 2017.² Intelsat expects the LEOP period to last approximately 30 days.

The KoreaSat-5A LEOP operations will be performed at the following frequencies: 14002.5 MHz and 14497.0 MHz (V, H, and CP); and 12252.5 MHz and 12747.5.0 MHz (V, H, and CP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.³ 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 KoreaSat-5A 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.

In further support of this request, Intelsat herewith attaches a waiver request as Exhibit A.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The in-orbit testing location for KoreaSat-5A, which Intelsat understands is licensed by Korea, will be 114.5° E.L. The final location of KoreaSat-5A will be 113° E.L.

³ Thales Alenia Space (“Thales”), the manager of the KoreaSat-5A LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
September 20, 2017
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Finally, Intelsat clarifies that during the KoreaSat-5A LEOP mission, Thales will serve as the mission manager. Thales 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 Thales. 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 KoreaSat-5A satellite. This, in turn, will help provide additional capacity from the 113° 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,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact

Name:	Cynthia J. Grady	Phone Number:	703-559-6949
Company:	Intelsat Corporation	Fax Number:	703-559-8539
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:		Relationship:	Legal Counsel

(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?

- 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

7. City Hagerstown

8. Latitude
(dd mm ss.s h) 39 35 54.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 45 33.0 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A 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: 5px 0;"> IntelSat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing October 14, 2017, to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for the KoreaSat-5A satellite. KoreaSat-5A is expected to be launched on October 14, 2017. </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. <div style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </div>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
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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