

E190726 SES-STA-20200210-00141 IB2020000328
Intelsat License LLC

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:
30-Day STA Request to Use Earth Station E190726 to Test HISPASAT 143W-1

1. Applicant

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



File # SES-STA-2020 0210-00141

Call Sign E190726 Grant Date 2/28/2020
(or other identifier)

Term Dates

From 2/28/2020 To: 3/29/2020

Approved: [Signature]

File # ST5-ST9-2020-00141
 Call Sign E190726 Grant Date 2/28/2020
 Term Dates From 2/28/2020 To: 3/29/2020
 Approved: [Signature]



Applicant: Intelsat License LLC
 Call Sign: E190726
 File Number: SES-STA-20200210-00141
 Special Temporary Authority ("STA")

Intelsat License LLC ("Intelsat") is granted to operate under STA for 30 days, beginning February 28, 2020, to utilize its blanket licensed 1.2m Skyware Global 123 Class 11 antenna to communicate with HISPASAT 143W-1 located at the 143.0° W.L. orbital location to test satellites performance using frequency bands 14.359 – 14.395 GHz (Earth-to-space) and 11.599 – 11.635 GHz (space-to-Earth) under the following conditions:

- 1) Operations shall not exceed the current license parameters in E190726 and comply with Section 25.212(c)(2) of the Commission's rules, 47 C.F.R. § 25.212(c)(2).
- 2) Operations 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.
- 3) In the event of any harmful interference under this grant of STA, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

- 4) The licensee shall take all necessary measures to ensure that antenna in operation do not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alert signs and protective equipment for workers.

- 5) All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached when harmful interference occurs. Currently the 24x7 contact information for this HISPASAT 143W-1 testing 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.
- 6) Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.

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.

2. Contact	
Name: Cynthia J. Grady	Phone Number: 703-559-6949
Company: Intelsat US LLC	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	8. Latitude (dd mm ss.s h) 0 0 0.0

9. State	10. Longitude (dd mm ss.s h)	0 0 0.0
11. Please supply any need attachments.		
Attachment 1: Narrative	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.)		
IntelSat License LLC requests Special Temporary Authority for 30 days to use a 1.2m Skyware Global 123 Class II antenna (E190726) to communicate with HISPASAT 143W-1 for testing.		
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.		
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Senior 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).		

☒ Yes

☐ No

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INTELSAT

Envision. Connect. Transform.



February 7, 2020

Ms. Marlene H. Dortch

Secretary

Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Earth Station E190726

Dear Ms. Dortch:

IntelSat License LLC ("IntelSat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing February 28, 2020, to use a 1.2m Skyware Global 123 Class II antenna, which is permanently licensed as Call Sign E190726,² to communicate with HISPASAT 143W-1 at 143.0° W.L. for testing. IntelSat is seeking STA to communicate with Hispasat143W-1 while IntelSat's petition to add the satellite to the Permitted Space Station List is pending.³ The proposed earth station operations will be within the scope of the E190726 license.

The proposed operations will be performed in the following frequency bands: 14359-14395 MHz in the uplink and 11599-11635 MHz in the downlink. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, IntelSat will take all reasonable steps to eliminate the interference.

¹ IntelSat has filed its STA request, an FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

² See *Policy Branch Information, Actions Taken*, Report No. SES-01959, File No. SES-RWL-20170516-00564 (May 24, 2017) (Public Notice). The E190726 blanket license includes three other antenna models.

³ See IntelSat License LLC Petition for Declaratory Ruling to Add HISPASAT 143W-1 to the Permitted Space Station List for Ku- and S-band Operations at 143° W.L., File No. SAT-PDR-20191205-00143 (filed Dec. 5, 2019) ("IntelSat Petition"). HISPASAT 143W-1 was previously known as HISPASAT 30W-4 and HISPASAT-1D, and was granted market access at 30° W.L. See *Policy Branch Information, Actions Taken*, Report No. SAT-01044, File No. SAT-PPL-20140717-00086 (Oct. 3, 2014) (Public Notice) ("HISPASAT-1D Market Access Grant").

In support of this request, and out of an abundance of caution, Intelsat respectfully requests waiver of Section 25.137 of the Federal Communications Commission's ("Commission") rules, which sets forth requirements governing access to non-U.S.-licensed space stations.⁴ For the reasons set forth below, Intelsat does not believe Section 25.137 applies here, but to the extent the Commission disagrees, waiver is appropriate.

Per Section 25.137, earth station applicants "requesting authority to communicate with a non-U.S. licensed space station" to serve the United States must demonstrate that U.S.-licensed satellite systems have effective competitive opportunities to provide analogous services in certain countries and must provide the same legal and technical information for the non-U.S.-licensed space station as required by Section 25.114 for U.S.-licensed space stations.⁵ Intelsat herein seeks authority to use the requested antenna only to test a satellite, not to provide commercial service to the United States.⁶ Thus, similar to the provision of other noncommercial services such as TT&C,⁷ Intelsat believes that testing does not constitute the provision of service and, as such, Section 25.137 does not apply.

However, to the extent the Commission determines that Intelsat's request for authority to use an antenna to perform testing on a special temporary basis is a request to serve the United States with a non-U.S.-licensed satellite, good cause exists to waive Section 25.137. Under Section 1.3 of the Commission's rules, the Commission has authority to waive its rules "for good cause shown."⁸ Good cause exists if "special circumstances warrant a deviation from the general rule and such deviation will serve the public interest" better than adherence to the general rule.⁹ In determining whether a waiver is appropriate, the Commission should "take into account considerations of hardship, equity, or more effective implementation of overall policy."¹⁰

⁴ 47 C.F.R. § 25.137.

⁵ 47 C.F.R. § 25.137.

⁶ As noted above, Intelsat is awaiting Commission approval to provide commercial service from this satellite at 143.0° W.L. See *Intelsat Petition*.

⁷ See *Echostar Satellite Operating Company Application for Special Temporary Authority Related to Moving the Echostar 6 Satellite from the 77° W.L. Orbital Location to the 96.2° W.L. Orbital Location, and to Operate at the 96.2° W.L. Orbital Location*, Order and Authorization, 28 FCC Rcd. 4229 (2013) (noting that operating TT&C earth stations in the United States with a foreign-licensed satellite does not constitute "DBS service").

⁸ 47 C.F.R. § 1.3; *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969).

⁹ *Northeast Cellular Telephone Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990).

¹⁰ *WAIT Radio*, 418 F.2d at 1159.

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Intelsat already has provided the technical information required by Section 25.137 in its pending petition to add HISPASAT 143W-1 to the U.S. Permitted Space Station List, and incorporates the information provided in that petition by reference.¹¹ Further, HISPASAT 143W-1 is currently on the Permitted Space Station List for the location that the satellite recently vacated, 30° W.L.¹² Given these facts, the purpose of Section 25.137—to ensure that U.S. satellite operators enjoy “effective competitive opportunities” to serve certain foreign markets—will not be undermined by grant of this waiver request.

Grant of this STA request will allow Intelsat to test the HISPASAT 143W-1 satellite prior to providing service, 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
Senior Counsel
Intelsat US LLC

cc: Paul Blais

¹¹ See *Intelsat Petition*.

¹² See *HISPASAT-1D Market Access Grant*.