


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for STA to Utilize a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport for StarOne-D1 IOT

1. Applicant

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

30 days "with conditions"



File # SES-STA-20161219-00962  
Call Sign N/A Grant Date 01/18/2017  
(or other identifier) Term Dates  
From 01/26/2017 To 02/24/2017  
Approved: Paul E. Blaes

GRANTED  
International Bureau

Applicant: Intelsat License LLC  
File No.: SES-STA-20161210-00962  
Call Sign: None  
Special Temporary Authority (STA)

Intelsat License LLC (Intelsat) is granted a special temporary authority, for 30 days, beginning January 26, 2017, to utilize a 9.2 meter antenna located in Riverside, California, to conduct in-orbit testing (IOT) for the Ka-band payload of the StarOne-D1 satellite at 84.0 W.L. licensed by Brazil, using the following frequency bands: 27.20-29.35 GHz (Earth-to-space) and 19.10-20.20 GHz (space-to-Earth), under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite's permanent orbital location 84° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
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 StarOne-D1 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 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 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 applications.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
8. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



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From 01/26/2017 To: 02/24/2017

Approved: Paul E. Haevo



**INTELSAT.**

*Envision. Connect. Transform.*

December 16, 2016

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

**Re: Request for Special Temporary Authority to Utilize a 9.2 meter Riverside, California Ka-band Antenna to In-orbit Test the StarOne-D1 Satellite**

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, commencing January 26, 2017, to utilize a 9.2 meter Riverside, California antenna to conduct in-orbit testing ("IOT") of the Ka-band payload of the StarOne-D1 satellite at 84.0° W.L. in the following frequency bands:

27.20-29.35 GHz (uplink) and  
18.10-20.20 (downlink)

StarOne-D1 is currently scheduled to be launched on December 21, 2016. The Ka-band portion of IOT is expected to begin no earlier than January 26, 2017, and to take eight days.<sup>2</sup>

In support of its request, Intelsat attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, and a waiver request. Intelsat notes that the maximum power level to be used in the StarOne-D1 IOT will be 19.6 dBW/4 kHz dBW.<sup>3</sup> 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.

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, and \$200.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> Intelsat is seeking authority for 30 days to accommodate possible launch or testing delays. Intelsat understands that the StarOne-D1 satellite is licensed by Brazil.

<sup>3</sup> SSL is responsible for coordinating the StarOne-D1 Ka-band IOT.

Ms. Marlene H. Dortch  
December 16, 2016  
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The IOT of StarOneD1's Ka-band payload at 84.0° W.L. is a critical step in ensuring that the payload will be fully operational. Accordingly, grant of this STA request will promote the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request.

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

**2. Contact**

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

8. Latitude  
(dd mm ss.s h) 33 47 42.7 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 22.5 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2: Exhibit A                      Attachment 3: Exhibit B	
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, from January 26, 2017, to utilize a 9.2 meter Riverside, California antenna to conduct in-orbit testing for the Ka-band payload of the StarOne-D1 satellite at 84.0 W.L. StarOne-D1 is currently scheduled to be launched on December 21, 2016 </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
<b>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).</b>	

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