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SES-STA-20161115-00887
Intelsat License LLC

IB2016002470

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 STA to Utilize a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport for Jupiter 2 LEOP

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		

30 days *"With conditions"*

File # SES-STA-20161115-00887

Call Sign N/A Grant Date 12/05/2016
(or other identifier)

Term Dates
From 12/16/2016 To 01/17/2017

Approved: Karl E. Haas



Applicant: Intelsat License LLC
File No.: SES-STA-20161115-00887
Call Sign: None
Special Temporary Authority

30 days
with conditions

File # SES-STA-20161115-00887

Call Sign N/A Grant Date 12/05/2016
(or other identifier)

Term Dates
From 12/16/2016 To 01/19/2017

Approved: Paul E. Hayes


GRANTED
International Bureau

Intelsat License, LLC ("Intelsat") is granted a special temporary authority ("STA"), under the following conditions, for 30 days, beginning December 16, 2016, to utilize a 9.2 m Ka-band antenna located at its Riverside, California teleport, to provide launch and early orbit phase (LEOP) services for Jupiter-2 satellite (which is also known as EchoStar 19 satellite), to its permanent orbital location and in-orbit test location at 97.1° W.L. Jupiter-2 satellite licensed by Papua New Guinea and the satellite is expected to be launched no earlier than December 16, 2016.

1. Uplink (Earth-to-space) frequencies to Jupiter-2 satellite are 28351.50 MHz and 28353.50 MHz (RHCP) center frequencies within coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies from Jupiter-2 satellite are 19701 MHz and 19703 MHz (RHCP) center frequencies.
3. 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 Jupiter-2 satellite LEOP mission is as follows: Ph.: (703) 559-7701 –East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
4. The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the fixed Satellite Services. Services within the United States over the satellite network of which this is a cooperating earth station are subject to coordination under US334 and operation of the earth station(s) authorized herein will be subject to any technical constraints resulting from this coordination. See 47 C.F.R. Section 2.106, Footnote US334.
5. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
6. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
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.



INTELSAT.

Envision. Connect. Transform.

November 15, 2016

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

Re: Request for Special Temporary Authority
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing December 16, 2016, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase (“LEOP”) services for the Jupiter 2 satellite. Jupiter 2, which is also known as EchoStar 19, is expected to be launched on December 16, 2016.² Intelsat expects the LEOP period to last approximately ten days.³

The Jupiter 2 LEOP operations will be performed at the following frequencies: 28351.5 MHz and 28353.5 MHz in the uplink (RHCP), and 19701.0 MHz and 19703.0 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 Jupiter 2 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 \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location and in-orbit testing location for Jupiter 2, which Intelsat understands is licensed by Papua New Guinea, will be at 97.1° W.L. The Federal Communications Commission granted Jupiter 2 market access on June 23, 2015. *See Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01187, File No. SAT-LOA-20160624-00061 (Sept. 16, 2016) (Public Notice).

³ Intelsat is seeking 30 days to accommodate a possible launch delay.

⁴ SSL, the manager of the Jupiter 2 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
November 15, 2016
Page 2

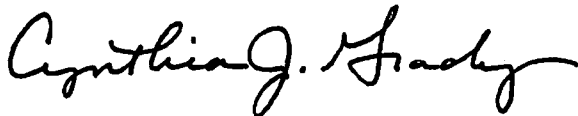
In further support of this request, Intelsat herewith attaches Exhibit A, which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility.

Finally, Intelsat clarifies that during the Jupiter 2 LEOP mission, SSL will serve as the mission manager. SSL 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 SSL. 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 Jupiter 2 satellite. This, in turn, will help provide additional capacity from the 97.1° W.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

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. CityNuevo

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:	
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 December 16, 2016, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase services for the Jupiter 2 satellite. Jupiter 2 is expected to be launched on December 16, 2016. The LEO period is</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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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12. Description

Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing December 16, 2016, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase services for the Jupiter 2 satellite. Jupiter 2 is expected to be launched on December 16, 2016. The LEOP period is expected to last approximately 10 days.