

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for Further Extension of Special Temporary Authority to Test 1.8 meter Ku-band Antenna

1. Applicant

| | | | |
|-------------------|---|----------------------|-----------------------------|
| Name: | Intelsat License LLC | Phone Number: | 703-559-7848 |
| DBA Name: | | Fax Number: | 703-559-8538 |
| 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 | | |

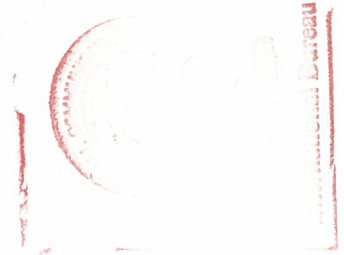
File # SES-STA-20140813-00649

Call Sign None Grant Date 8-15-14

(or other identifier)

Term Dates From 8-17-14 To 9-18-14

Approved: Susan H Crandall



Applicant: Intelsat License LLC
Call Sign: No Call Sign
File No.: SES-STA-20140813-00649
Special Temporary Authority (STA)

Intelsat License LLC is granted extension of the STA that was previously granted under IBFS File No. SES-STA-20140710-00594, for 30 days, to test the 1.8 meter Skyware Global Ku-band antenna at location 096°49 ' 54.789" N.L./033° 04' 29.88" W.L., Plano, Texas in communications with Galaxy 25 satellite at orbital location 93° W.L. under the following conditions:

1. Operations in the conventional Ku-band downlink space-to-Earth frequencies 11763-11817 MHz and uplink Earth-to-space frequencies 14063-14117 MHz is authorized.
2. The maximum input power spectral density will be ~ 15.8 dBW/4kHz.
3. All operations under this grant of STA must be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat License LLC must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station.
4. In the event of any harmful interference under this grant of STA, Intelsat License LLC must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat License LLC's risk.
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.

The image shows a red ink stamp from the International Bureau of the FCC. To the right of the stamp is a handwritten form with the following details:

- File No: SES-STA-20140813-00649
- Call Sign: None
- Grant Date: 8-15-14
- (or other identifier)
- Term Dates: From 8-17-14 To 9-16-14
- Approver's: [Signature]

| | |
|---|---|
| 2. Contact | |
| Name: Cynthia J. Grady | Phone Number: 703-559-6949 |
| Company: Intelsat Corporation | Fax Number: 703-559-8538 |
| Street: 7900 Tysons One Place | E-Mail: cynthia.grady@intelsat.com |
| City: McLean | State: VA |
| Country: USA | Zipcode: 22102 -5972 |
| Attention: Cynthia J. Grady | 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? | |
| <input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). | |
| <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee | |
| <input type="radio"/> Other (please explain): | |
| 4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station | |
| 5. Type Request | |
| <input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other | |
| 6. Requested Use Prior Date | |
| 7. City/Plano | 8. Latitude (dd mm ss.s h) 33 4 29.8 N |

| | |
|---|---|
| 9. State TX | 10. Longitude (dd mm ss.s h) 96 49 54.7 W |
| 11. Please supply any need attachments. Attachment 1: STA Request 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 herein requests an additional 30 days, from August 17, 2014 through September 15, 2014, of the Special Temporary Authority previously granted Intelsat to test a 1.8 meter Ku-band antenna located at an Ericsson plant in Plano, Texas. | |
| 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. Yes <input checked="" type="radio"/> No <input type="radio"/> | |
| 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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INTELSAT

Envision. Connect. Transform.

August 13, 2014

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

Re: Request for Further Extension of Special Temporary Authority
Plano, Texas Ku-band Earth Station Testing

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days—from August 17, 2014 through September 15, 2014—of the Special Temporary Authority (“STA”)¹ previously granted Intelsat to test a 1.8 meter Ku-band antenna located at an Ericsson plant in Plano, Texas.² Specifically, Intelsat intends to continue communicating with its Galaxy 25 satellite at 93.0° W.L. in the following frequencies: 14063-14117 MHz (uplink) and 11763-11817 MHz (downlink).

Intelsat seeks this STA further extension in order to continue testing the feasibility of the antenna for two new cellular backhaul services for the customer. Because further testing will continue to assist Intelsat in meeting customer demand for service, grant of this STA further extension request is in the public interest.

In support of this further extension request, Intelsat incorporates by reference the Exhibits A and B submitted with its original STA request, which contain information showing that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating facility. Specifically, Exhibit A provides the characteristics of the proposed transmissions. The maximum input power spectral density of -15.8 dBW/4 kHz will be less than the value of -14 dBW/4kHz at which the antenna complies with Section 25.212 of the FCC's rules. The radiation levels generated by the antenna will be within safety limits, as evidenced by the radiation hazard report attached as Exhibit B. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$195.00 filing fee electronically via the International Bureau's Filing System.

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01665, File No. SES-STA-20140710-00594 (July 16, 2014) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01654, File No. SES-STA-20140528-00388 (June 11, 2014) (Public Notice).

Ms. Marlene H. Dortch
August 13, 2014
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Please direct any questions regarding this STA further extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in cursive script that reads "Cynthia J. Grady".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais