

SES-STA-20130109-00029
Intelsat License LLC

IB2013000072

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 Operate a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

1. Applicant

Name:	Intelsat License LLC	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall		

30 days

"With conditions"



File# SES-STA-20130109-00029

Call Sign N/A Grant Date 03/20/2013
(or other identifier)

Term Dates
From 02/20/2013 To: 03/21/2013

Approved: Paul E. Khan

Applicant: Intelsat Licensing LLC
Call Sign: None
File No.: SES-STA-20130109-00029

Intelsat Licensing LLC (Intelsat) is granted special temporary authority, for 30 days to operate its 9.2 meter antenna at its Riverside, CA, located at 33° 47' 40.17" N, 117° 05' 20" W to perform in-orbit testing ("IOT") of the Ka-band payload of the Amazonas-3, a Brazilian-licensed satellite, at the 67.5° W.L. orbital location in frequency bands 28.1-30.0 GHz (Earth-to-space) and 18.3-20.2 GHz (space-to-Earth), under the following conditions:

1. Operations are limited to the following maximum technical parameters:
 - a. Transmission in the 28.1-30.0 GHz, Left or Right polarized emission 20K0G9D at a maximum EIRP of 88 dBW
 - b. Reception in the 18.3-20.2 GHz, Left or Right polarized emission 20K0G9D
2. Intelsat, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawful operating station and it shall cease transmission(s) immediately upon notice of such interference.
3. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
5. The IOT operations must be coordinated with all operators of satellites within 6 degrees of the 67.5° W.L. orbital location that use the same frequency bands. All operators of satellites within 6 degrees of the 67.5° W.L. orbital location must be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's risk.
7. Intelsat must coordinate with the existing LMDS licensees to ensure that their uplinks do not interfere. It is noted that there exists co-channel LMDS licensees in BTA 262 and BTA402 in the LMDS A Block (27500 - 28350 MHz and 29100 - 29250 MHz). Nextlink Wireless (WPLM401) and Alta Wireless (WPOH667). Both have fairly recently filed substantial service showings indicating active deployments and both also have a number of active leases.
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.

30 days "with conditions"



File # SES-STA-20130109-00029
Call Sign N/A Grant Date 03/20/2013
(or other identifier) Term Dates
From 02/20/2013 To: 03/21/2013
Approved: Paul E. Peltz

2. Contact	
Name: Susan H. Crandall	Phone Number: 202-944-7848
Company: Intelsat Corporation	Fax Number: 202-944-7870
Street: 3400 International Drive, N.W.	E-Mail: susan.crandall@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Attention: Susan H. Crandall	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. 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: 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: 10px 0;">IntelSat License LLC herein requests Special Temporary Authority for 30 days, from February 13, 2013 through March 14, 2013, to allow IntelSat to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to perform in-orbit testing of the Ka-band payload of the Amazonas-3 satellite at 67.5 W.L.</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 Susan H. Crandall	15. Title of Person Signing Asst. General 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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

January 9, 2013

Ms. Marlene H. Dortch
Secretary

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



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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days — from February 13, 2013 through March 14, 2013 — to allow Intelsat to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to perform in-orbit testing (“IOT”) of the Ka-band payload of the Amazonas-3 satellite at 67.5° W.L. Amazonas-3 currently is scheduled to be launched on February 8, 2013.² In support of its request, Intelsat submits the following information.

The testing will be performed in the following frequency bands: 18300-20200 MHz (downlink) and 28100-30000 MHz (uplink). The maximum uplink EIRP per carrier will be 88.0 dBW. Intelsat understands that the satellite’s manufacturer is coordinating the proposed transmissions with potentially affected operators. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

In further support of this request, Intelsat provides the relevant technical parameters in FCC Form 312, Schedule B, which is included as Exhibit A. In addition, Intelsat includes a waiver request as Exhibit B. Finally, Intelsat incorporates by reference the radiation hazard report and antenna gain patterns previously submitted for this antenna.³

¹ Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² Hispamar Satélites, S.A., the operator of Amazonas-3, has a pending Petition for Declaratory Ruling to add the satellite to the FCC’s C-, Ku-, and Ka-band Permitted Space Station Lists. See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00912, File No. SAT-PPL-20121018-00183 (Nov. 23, 2012) (Public Notice). The permanent orbital location for Amazonas-3 will be 61.0° W.L.

³ See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01231, File No. SES-STA-20091204-01561 (Mar. 31, 2010).

Ms. Marlene H. Dortch
January 9, 2013
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The in-orbit testing of the Amazonas-3 Ka-band payload at 67.5° W.L. is a critical step in ensuring that the satellite will be fully operational at its permanent orbital location of 61.0° W.L. This, in turn, will serve the public interest by helping to bring Ka-band capacity to customers at the 61.0° W.L. location.

Please direct any questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Paul Blais

FCC 312
Schedule B

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE EARTH STATION AUTHORIZATIONS
(Technical and Operational Description)

Page 1: Location

(Place an "X" in one of the blocks below)

License of New Station Registration of New Domestic Receive-Only Station Amendment to a Pending Application Modification of License/Registration Notification of Minor Modification

B1. Location of Earth Station Site. If temporary-fixed, mobile, or VSAT remote facility, specify area of operation and point of contact. If VSAT hub station, give its location. For VSAT networks attach individual Schedule B, Page 1 sheets for each hub station and each remote station. Individually provide the Location, Points of Communications, and Destination Points for each hub and remote station.

B1a. Station Call Sign None	B1b. Site Identifier (HUB, REMOTE1, etc.)	B1c. Telephone Number 202-944-7301	B1j. Geographic Coordinates Deg. - Min. - Sec. - N/S 33 47 40.17 N	B1k. Lat./Lon. Coordinates are: <input type="checkbox"/> NAD-27 <input checked="" type="checkbox"/> NAD-83
B1d. Street Address of Station or Area of Operation 22401 Juniper Flats Road		B1e. Name of Contact Person Guillermo Cabezas		
B1f. City Nuevo	B1g. County Riverside	B1h. State CA	B1i. Zip Code 92567	B1l. Site Elevation (AMSL) meters

B2. Points of Communications: List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S. licensed satellites must be listed individually.

Satellite Name and Orbit Location	Satellite Name and Orbit Location	Satellite Name and Orbit Location
AMAZONAS-3 @ 67.5 W.L.		

B3. Destination points for communications using non-U.S. licensed satellites. For each non-U.S. licensed satellite facility identified in section B2 above, specify the destination point(s) (countries) where the services will be provided by this earth station via each non-U.S. licensed satellite system. Use additional sheets as needed.

Satellite Name	List of Destination Points
AMAZONAS-3	67.5 W.L.

**FEDERAL COMMUNICATIONS COMMISSION
SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B: (Technical and Operational Description)**

B4. Earth Station Antenna Facilities: Use additional pages as needed.

(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain
						Transmit and/or Receive (___ dBi at ___ GHz)
1	1	1	General Dynamics (Vertex RSI)	9.2 KaFMA	9.2	66 dBi @ 28.35 GHz
						63 dBi @ 18.30 GHz

B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)

(a) Antenna ID**	(b) Antenna Structure Registration No.	Maximum Antenna Height		(e) Building Height Above Ground Level (meters)***	(f) Maximum Antenna Height Above Rooftop (meters)***	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
		(c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)				
1		13.2	574.95			500	88

Notes: * If this is an application for a VSAT network, identify the site (Item B1b, Schedule B, Page 1) where each antenna is located. Also include this Site-ID on Schedule B, Page 5.
 ** Identify each antenna in VSAT network or multi-antenna station with a unique identifier, such as HUB, REMOTE1, A1, A2, 10M, 12M, 7M, etc. Use this same antenna ID throughout tables B4, B5, B6, and B7 when referring to the same antenna.
 *** Attach sketch of site or exemption, See 47 CFR Part 17.

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B: (Technical and Operational Description)

B7. Particulars of Operation (Full particulars are required for each r.f. carrier): Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Bands (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)	(g) Maximum EIRP Density per Carrier (dBW/4kHz)	(h) Description of Modulation and Services
1	28100-30000	T	L,R	20K0G9D	88	81	QPSK IOT Testing
2	18300-20200	R	L,R	20K0G9D			QPSK IOT Testing

Notes: * Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and emission is associated. For VSAT networks, include frequencies and emissions for all HUB and REMOTE units.
 ** Indicate whether the earth station transmits or receives in each frequency band.