

File # SAT-STA-20120221-00019

Call Sign S2423 Grant Date 02/23/12
(or other identifier)

Term Dates Period of
From 02/23/12 To: 30 days
Approved by OMB
3060-0678

Approved: *Stephen J. Duall*

Stephen J. Duall
Chief, Satellite Policy Branch



* with conditions

Date & Time Filed: Feb 21 2012 2:51:20:500PM

File Number: SAT-STA-20120221-00019

Call sign:

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Request to Operate the India Beam on Horizons 2 at 84.85 E.L. (Call Sign S2423)

I. 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		

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 CRY – Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
	<input checked="" type="radio"/> Other
6. Temporary Orbit Location	
	7. Requested Extended Expiration Date

8. 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 Special Temporary Authority for 30 days, commencing immediately upon grant, to begin operating the India beam on Horizons 2 from the current location of the satellite at 84.85 E.L. to conduct short-term tests on behalf of a potential customer.

9. 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 1.202(b) for the meaning of "party to the application"; for these purposes.

Yes No

10. Name of Person Signing
Susan H. Crandall

11. Title of Person Signing
Asst. General Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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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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.

February 21, 2012

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



Re: Request for Special Temporary Authority to Operate the India Beam on Horizons 2 at 84.85° E.L.; Call Sign: S2423
EXPEDITED TREATMENT REQUESTED

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days, commencing immediately upon grant, to begin operating the India beam on Horizons 2 from the satellite’s current location of 84.85° E.L.² to conduct short-term tests on behalf of a potential customer. Intelsat’s current authorization for Horizons 2 at this location does not include authority to operate the India beam because Intelsat did not request such authority. Because the timing of this testing is critical to the potential customer for the reasons described below, Intelsat is requesting expedited treatment of this request.

Intelsat has been in discussions with a potential customer whose services currently are located on a neighboring satellite that has lost the ability to operate 50 percent of its payload. The potential customer has become increasingly concerned about continuity of its service and has requested that it be allowed to test its service on the India beam of Horizons 2. Specifically, the potential customer needs to arrange for qualified uplink and numerous downlink measurements in geographically dispersed locations. Because there is a limited window in which the potential customer can amass the technical teams required to conduct these tests, it wishes to begin testing as soon as possible. The potential customer has informed Intelsat that it has received approval from its regulator to transmit to Horizons 2.

The proposed testing is expected to last no longer than 30 days. If the testing is successful, Intelsat and the potential customer expect to move forward to secure a commercial agreement and Intelsat will seek permanent authority to operate the India beam on Horizons 2.

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

² *Policy Branch Information; Actions Taken*, Report No. SAT-00842, File No. SAT-MOD-20110928-00190 (Feb. 3, 2012) (Public Notice).

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During the testing proposed herein, Intelsat will operate in the following communications frequencies, which are already licensed for other beam coverages:

Downlink: 11700-12200 MHz

Uplink: 14000-14500 MHz

In the India beam, the uplink power density of the digital carriers operating in the 14000 – 14500 MHz band will not exceed -47.5 dBW/Hz. In the 11700 – 12200 MHz band, the downlink EIRP density of the digital carriers will not exceed -20 dBW/Hz. Intelsat attaches herewith at Attachments A and B the India beam coverages. Intelsat incorporates by reference the technical information and orbital debris statement submitted in Intelsat's application to modify the Horizons 2 license to allow operation of the satellite at 84.85° E.L.³

Grant of this STA request will not result in risk of harmful interference. Intelsat's proposed operations will be in conformance with its coordination agreements for the 84.85° E.L. orbital location. In the band 14.0-14.5 GHz, the closest operational satellite is KazSat-2 at 86.5° E.L. Intelsat has completed coordination with the operator of this satellite. Moreover, Intelsat has completed coordination with all operators using this band within nine degrees of 84.85° E.L. In the band 11.7-12.2 GHz, the closest operational satellite is Chinasat-9 at 92.2° E.L. The coordination with the operator of this satellite has not been conducted because the ITU filing under which Intelsat will be operating (USABSS-29) did not trigger coordination with the co-frequency filings at 92.2° E.L.

Grant of this STA request will serve the public interest by allowing Intelsat to conduct tests in the Horizon 2 satellite's India beam for a potential customer whose service continuity is threatened in the near term. The proposed testing could result in the potential customer moving to Horizons 2 in the near future in order to maintain service continuity.

³ See *id.*

Ms. Marlene H. Dortch
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request.

Sincerely,

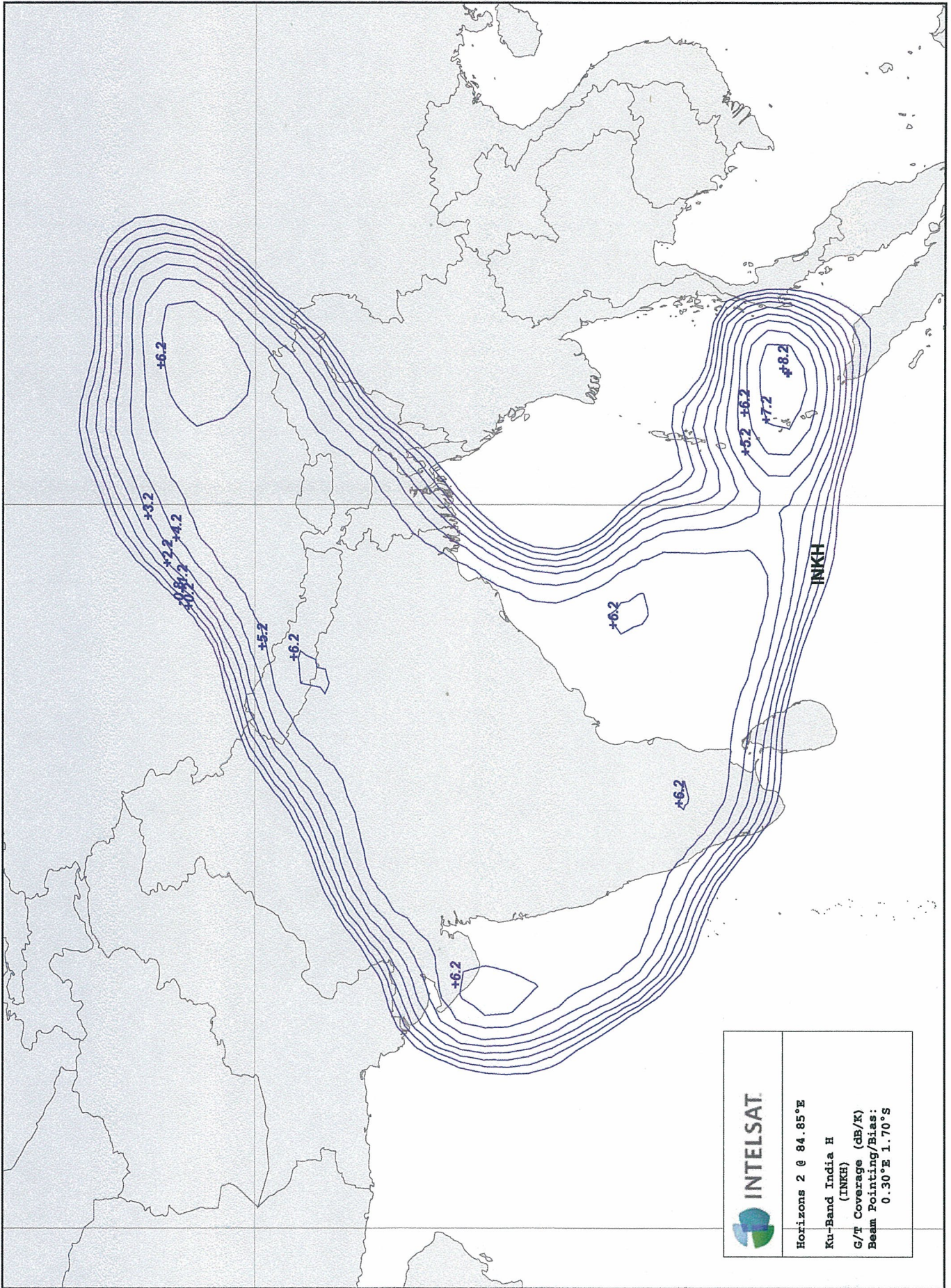
/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Attachments

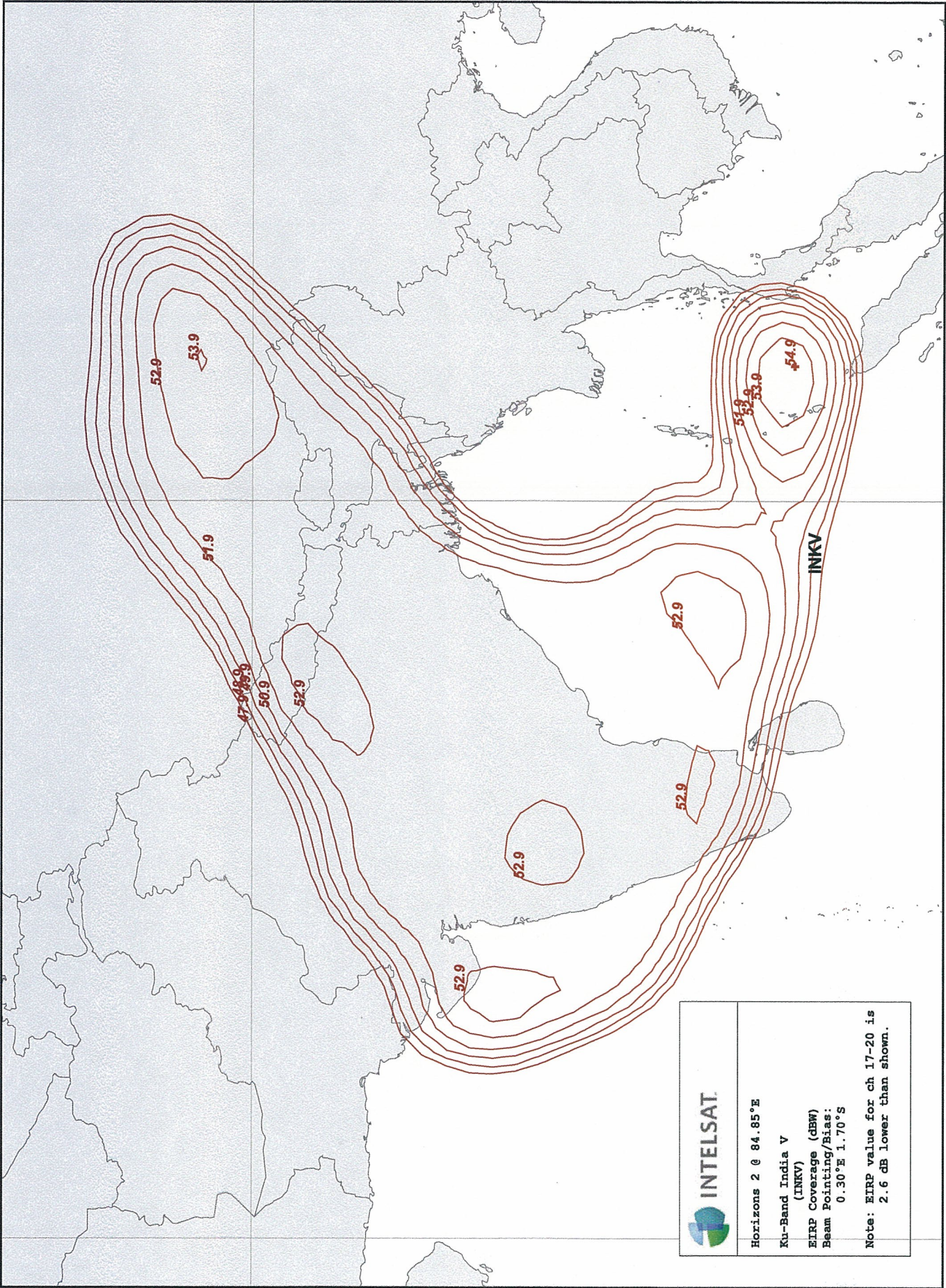
cc: Robert Nelson
Stephen Duall
Jay Whaley
Kathryn Medley


ATTACHMENT A



	<p>Horizons 2 @ 84.85°E Ku-Band India H (INKIH) G/T Coverage (dB/K) Beam Pointing/Bias: 0.30°E 1.70°S</p>
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ATTACHMENT B




INTELSAT
 Horizons 2 @ 84.85°E
 Ku-Band India V
 (INKV)
 EIRP Coverage (dBW)
 Beam Pointing/Bias:
 0.30°E 1.70°S
 Note: EIRP value for ch 17-20 is
 2.6 dB lower than shown.