

Exhibit B

Pending Application of Intelsat North America LLC
To Modify Earth Station License E020169

File No SES-MOD-20060225-00383

(filed Feb. 24, 2006)

Approved by OMB
3060-0678

Date & Time Filed: Feb 24 2006 5:03:02:650PM
File Number: SES-MOD-INTR2006-00504

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	FCC Use Only
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
License Modification for Transmit/Receive Earth Station E020169

1-8. Legal Name of Applicant			
Name:	Intelsat North America LLC	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7860
Street:	c/o Intelsat Global Svc. Corp. 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H Crandall		

9-16. Name of Contact Representative

Name:	Susan H. Crandall	Phone Number:	202-944-7848
Company:	c/o Intelsat Global Svc. Corp.	Fax Number:	202-944-7860
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

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- a1. Earth Station
- a2. Space Station

- (N/A) b1. Application for License of New Station
- (N/A) b2. Application for Registration of New Domestic Receive-Only Station
- (N/A) b3. Amendment to a Pending Application
- (N/A) b4. Modification of License or Registration
- b5. Assignment of License or Registration
- b6. Transfer of Control of License or Registration
- (N/A) b7. Notification of Minor Modification
- (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
- (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
- (N/A) b10. Other (Please specify)

<p>17c. Is a fee submitted with this application?</p> <p><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).</p> <p><input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee</p> <p><input type="radio"/> Other (please explain):</p>	
<p>17d.</p> <p>Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station</p>	
<p>18. If this filing is in reference to an existing station, enter:</p> <p>(a) Call sign of station: E020169</p>	<p>19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:</p> <p>(a) Date pending application was filed:</p> <p>(b) File number: SESMOD2005072600969</p>

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:	
<input checked="" type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify)	
21. STATUS: Choose the button next to the applicable status. Choose only one. <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier	22. If earth station applicant, check all that apply. <input checked="" type="checkbox"/> Using U.S. licensed satellites <input checked="" type="checkbox"/> Using Non-U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A	
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s). <input type="checkbox"/> a. C-Band (4/6 GHz) <input type="checkbox"/> b. Ku-Band (12/14 GHz) <input checked="" type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: 6525.0 Frequency Upper: 6650.0 (Please specify additional frequencies in an attachment)	

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- Transmit/Receive
- Transmit-Only
- Receive-Only
- N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a — authorization to add new emission designator and related service
- b — authorization to change emission designator and related service
- c — authorization to increase EIRP and EIRP density
- d — authorization to replace antenna
- e — authorization to add antenna
- f — authorization to relocate fixed station
- g — authorization to change frequency(ies)
- h — authorization to add frequency
- i — authorization to add Points of Communication (satellites & countries)
- j — authorization to change Points of Communication (satellites & countries)
- k — authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l — authorization to change orbit location
- m — authorization to perform fleet management
- n — authorization to extend milestones
- o — Other (Please specify)

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. Yes No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

29. Is the applicant a foreign government or the representative of any foreign government? Yes No

30. Is the applicant an alien or the representative of an alien? Yes No N/A

31. Is the applicant a corporation organized under the laws of any foreign government? Yes No N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? Yes No N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? Yes No N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? Yes No
If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances. Yes No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.

Yes No

38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances

Yes No

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.

Yes No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

41. 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 No

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

Yes No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? Permitted Space Station List Satellites Only

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

See attached Exhibit B.

Exhibit B

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing
Susan H. Crandall

46. Title of Person Signing
Asst. Gen. Counsel, IGSC

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**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).**

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 – Schedule B: (Technical and Operational Description)
FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1. Site Identifier:	Nuevo	E5. Call Sign:	E020169
E2. Contact Name	Angela Maimo	E6. Phone Number:	202-944-7538
E3. Street:	22401 Juniper Flats Road	E7. City:	Nuevo
E4. State	CA	E8. County:	Riverside
E10. Area of Operation:	Nuevo, California Area		
E11. Latitude:	33 °47 '46.5 "N		
E12. Longitude:	117 °5 '15.0 "W		
E13. Lat/Lon Coordinates are:	<input type="radio"/> NAD-27	<input checked="" type="radio"/> NAD-83	<input type="radio"/> N/A
E14. Site Elevation (AMSL):	550.0 meters		

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.

Yes No N/A

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="radio"/> Yes <input checked="" type="radio"/> No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as Exhibit A	<input checked="" type="radio"/> Yes <input type="radio"/> No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	<input type="radio"/> Yes <input checked="" type="radio"/> No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	<input type="radio"/> Yes <input checked="" type="radio"/> No

POINTS OF COMMUNICATION

Satellite Name: INTELSAT 805 304.5 E.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
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E26. Common Name:	E27. Country:
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ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna Gain Transmint and/or Recieve (___ dBi at ___ GHz)	
Nuevo	16.4	1	Vertex Comm.	THC	16.4	59.0 dBi at 6525.0	

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
16.4	16.4/16.4	17.4	567.4	0.0	1000.0	0.0	89.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
16.4	6603.5 6649.0	T	Linear and Circular	36M0F3F	85.5	58.5

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Analog Video						
16.4	6525.0 6539.0	T	Linear and Circular	12M0G7W	85.5	50.7
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6551.0 6579.0	T	Linear and Circular	26M0G7W	86.0	47.9
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6591.0 6596.5	T	Linear and Circular	3M50G7W	85.5	56.1

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6603.5 6650.0	T	Linear and Circular	44M5G7W	86.0	45.5
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6525.0 6539.0	T	Linear and Circular	43K8G7W -	66.7	56.3
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6551.0 6579.0	T	Linear and Circular	43K8G7W -	66.7	56.3

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6591.0 6596.5	T	Linear and Circular	43K8G7W -	66.7	56.3
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						
16.4	6603.5 6650.0	T	Linear and Circular	43K8G7W -	66.7	56.3
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
Combination of Digital Carriers, Various FEC Rates						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/Western Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
16.4	Geostationary	6525.0 6539.0	55.0/56.0	106.4	14.5	107.1	15.3	3.34
	Geostationary	6551.0 6579.0	55.0/56.0	106.4	14.5	107.1	15.3	3.34
	Geostationary	6591.0 6596.5	55.0/56.0	106.4	14.5	107.1	15.3	3.34
	Geostationary	6603.5 6649.0	55.0/56.0	106.4	14.5	107.1	15.3	6.04
	Geostationary	6603.5 6650.0	55.0/56.0	106.4	14.5	107.1	15.3	3.34

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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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.

Exhibit A

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

Intelsat North America LLC
Nuevo, California
(Call Sign: E020169)

Satellite Earth Station

Prepared By:
COMSEARCH
19700 JANELIA FARM BOULEVARD
ASHBURN, VIRGINIA 20147
FEBRUARY 17, 2006

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment, based upon the restrictions noted in the Summary of Results (Section 2).

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in most cases.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses and frequency separation are considered on the interfering paths, sufficient losses exist to negate harmful interference from occurring with the proposed transmit-only earth station. Further the transmit spectrum will be limited to frequencies 6525.0 to 6539.0 MHz, 6551.0 to 6579.0 MHz, 6591.0 to 6596.5 MHz, and 6603.5 to 6650.0 MHz.

Company

Southern California Edison Company
Southern California Gas Company
Imperial Irrigation District
Los Angeles SMSA Ltd. Partnership
Cox Communications PCS, L.P.
Union Pacific Railroad Company
California, State of

No other carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated July 6, 2005. An extension notice was forwarded on February 16, 2006.

Company

AERA ENERGY LLC
ANTELOPE VALLEY EAST KERN WATER AGENCY
ARCHDIOCESE OF LOS ANGELES WELFARE CORP
BNSF Railway Company
CARITAS TELECOMMUNICATIONS
COACHELLA VALLEY COUNTY WATER DISTRICT
California, State of
Cox Communications PCS, L.P.
GLENDALE CITY CALIFORNIA
IMPERIAL IRRIGATION DISTRICT
INCOMM DIVISION CHURCH OF SCIENTOLOGY
KERN COUNTY CALIFORNIA
LOS ANGELES CITY WATER & POWER
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles SMSA Ltd. Partnership
METROPOLITAN WATER DIST OF SO CALIFORNIA
MOBILE RELAY ASSOCIATES INC
Mile High Inc
NEXTEL OF CALIFORNIA INC
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC - S CAL
ORANGE COUNTY GSA COMMUNICATIONS DIV
Palomar Observatory California Institute
Pomana City / Police Dept.
RIVERSIDE COUNTY OF
SAN DIEGO COUNTY
SAN DIEGO, CITY OF
San Bernardino County of California
San Diego Gas & Electric Company
Southern California Edison Company
Southern California Gas Company
The Boeing Company
UNIVERSITY OF CALIFORNIA, SAN DIEGO
Union Pacific Railroad Company
Verizon Wireless (VAW) LLC (CA)
West End Communications Authority

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 08/08/2005
Job Number: 050706COMSJC01

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign: E020169
Licensee Code: INTELS
Licensee Name: Intelsat North America LLC

Site Information

NUEVO, CALIFORNIA

Venue Name
Latitude (NAD 83): 33° 47' 46.5" N
Longitude (NAD 83): 117° 5' 15.0" W
Climate Zone: A
Rain Zone: 4
Ground Elevation (AMSL): 550.0 m / 1804.5 ft

Link Information

Satellite Type: Geostationary
Mode: TO - Transmit-Only
Modulation: Digital
Satellite Arc: 55° W to 56° West Longitude
Azimuth Range: 106.4° to 107.1°
Corresponding Elevation Angles: 14.5° / 15.3°
Antenna Centerline (AGL): 11.0 m / 36.1 ft

Antenna Information

Transmit

Manufacturer: Vertex/RSI
Model: 16.4 Meter THC
Gain / Diameter: 59.0 dBi / 16.4 m
3-dB / 15-dB Beamwidth: 0.20° / 0.40°

36M0F3F 43K8G7W - 44M0G7W

Max Available RF Power:	(dBW/4 kHz)	0.0	-2.7	-	-13.5
	(dBW/MHz)	24.0	7.7	-	10.5
Maximum EIRP	(dBW/4 kHz)	59.0	56.3	-	45.5
	(dBW/MHz)	83.0	66.7	-	69.5
	(dBW)	86.0	66.7	-	86.0

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%

Frequency Information

Transmit 6.7 GHz

Emission / Frequency Range (MHz)
36M0F3F / 6603.5 - 6649.0
43K8G7W - 12M0G7W / 6525.0 - 6539.0
43K8G7W - 26M0G7W / 6551.0 - 6579.0
43K8G7W - 3M50G7W / 6591.0 - 6596.5
43K8G7W - 44M5G7W / 6603.5 - 6650.0

Max Great Circle Coordination Distance: 181.1 km / 112.5 mi
Precipitation Scatter Contour Radius: 115.6 km / 71.8 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values	NUEVO, CA
Licensee Name	Intelsat North America LLC
Latitude (NAD 83)	33° 47' 46.5" N
Longitude (NAD 83)	117° 5' 15.0" W
Ground Elevation (AMSL)	550.0 m / 1804.5 ft
Antenna Centerline (AGL)	11.0 m / 36.1 ft
Antenna Model	Vertex/RSI 16.4 Meter THC
Antenna Mode	Transmit 6.7 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	0.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	2.11	106.03	-10.00	100.00
5	2.49	101.17	-10.00	100.00
10	3.19	96.30	-10.00	100.00
15	3.53	91.40	-10.00	100.00
20	3.42	86.49	-10.00	100.00
25	3.32	81.58	-10.00	100.00
30	3.60	76.67	-10.00	100.00
35	3.81	71.75	-10.00	100.00
40	3.64	66.87	-10.00	100.00
45	3.61	61.98	-10.00	100.00
50	3.23	57.15	-10.00	100.00
55	2.97	52.33	-10.00	100.00
60	2.98	47.50	-9.92	100.00
65	3.57	42.58	-8.73	100.00
70	3.75	37.75	-7.42	100.00
75	3.41	33.12	-6.00	100.00
80	3.98	28.29	-4.29	100.00
85	3.86	23.79	-2.41	100.00
90	3.71	19.55	-0.28	102.65
95	2.97	16.15	1.79	124.01
100	3.19	12.96	4.18	128.90
105	3.37	11.19	5.78	131.54
110	4.14	10.93	6.04	119.65
115	4.30	13.28	3.92	109.45
120	4.17	16.99	1.25	101.31
125	4.32	20.92	-1.02	100.00
130	4.06	25.39	-3.12	100.00
135	4.83	29.67	-4.81	100.00
140	4.02	34.59	-6.47	100.00
145	4.48	39.21	-7.83	100.00
150	3.93	44.12	-9.12	100.00
155	2.87	49.12	-10.00	100.00
160	2.58	53.98	-10.00	100.00
165	3.13	58.72	-10.00	100.00
170	3.73	63.51	-10.00	100.00
175	4.03	68.37	-10.00	100.00
180	4.78	73.22	-10.00	100.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values	NUEVO, CA
Licensee Name	Intelsat North America LLC
Latitude (NAD 83)	33° 47' 46.5" N
Longitude (NAD 83)	117° 5' 15.0" W
Ground Elevation (AMSL)	550.0 m / 1804.5 ft
Antenna Centerline (AGL)	11.0 m / 36.1 ft
Antenna Model	Vertex/RSi 16.4 Meter THC
Antenna Mode	Transmit 6.7 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	0.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
185	5.78	78.09	-10.00	100.00
190	6.11	83.01	-10.00	100.00
195	6.28	87.95	-10.00	100.00
200	6.39	92.88	-10.00	100.00
205	6.25	97.82	-10.00	100.00
210	5.77	102.74	-10.00	100.00
215	5.60	107.66	-10.00	100.00
220	6.12	112.61	-10.00	100.00
225	5.72	117.50	-10.00	100.00
230	5.71	122.40	-10.00	100.00
235	5.56	127.28	-10.00	100.00
240	5.58	132.16	-10.00	100.00
245	5.55	137.01	-10.00	100.00
250	4.99	141.71	-10.00	100.00
255	4.43	146.31	-10.00	100.00
260	4.21	150.90	-10.00	100.00
265	4.26	155.44	-10.00	100.00
270	4.46	159.86	-10.00	100.00
275	4.46	163.82	-10.00	100.00
280	3.56	166.31	-10.00	100.00
285	2.27	166.80	-10.00	100.00
290	1.35	165.75	-10.00	116.75
295	0.89	163.60	-10.00	130.65
300	0.21	160.23	-10.00	180.20
305	0.00	156.60	-10.00	181.13
310	0.21	152.65	-10.00	180.22
315	0.00	148.24	-10.00	181.13
320	0.00	143.77	-10.00	181.13
325	0.00	139.20	-10.00	181.13
330	0.00	134.54	-10.00	181.13
335	0.00	129.84	-10.00	181.13
340	0.00	125.09	-10.00	181.13
345	0.00	120.32	-10.00	181.13
350	0.28	115.55	-10.00	172.85
355	1.34	110.83	-10.00	116.93

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Jeffrey E. Cowles

Jeffrey E. Cowles
Frequency Planner
COMSEARCH
19700 Janelia Farm Blvd.
Ashburn, Va. 20147

DATED: February 17, 2006

Exhibit B
Response to Question 43

Intelsat North America LLC seeks to add analog video and digital services in portions of the 6 GHz transmit spectrum between 6525.0 and 6650.0 MHz. The earth station is currently licensed for transmit and receive communications with the following satellites: ALSAT satellites, INTELSAT AOR @ 310.0 E.L., INTELSAT 805 @ 304.5 E.L., INTELSAT POR @ 174.0 E.L., INTELSAT POR @ 176.0 E.L., INTELSAT AOR @ 307.0 E.L., INTELSAT POR @ 180.0 E.L., and INTELSAT POR @ 178.0 E.L. The instant modification application seeks to add transmit-only emissions/services in portions of the 6525-6650 MHz band, for communication with INTELSAT 805 @ 304.5 E.L. All other technical parameters of this license remain unchanged.

Note: Power levels for the news emissions are within the levels in the current license, so no new radiation hazard study is being submitted with this modification application. Additionally, the current modification application does not entail any change in the physical structure or location of the antenna, and no FAA notification is required.

FCC IBFS - Electronic Filing

Submission_id :IB2006000504

Successfully filed on :Feb 24 2006 5:03:02:650PM

[Return to Main Menu](#)

(1) LOCKBOX # 358160		<small>SEE PUBLIC BURDEN ON REVERSE</small> <small>SEE PUBLIC BURDEN ON REVERSE</small>	
SECTION A - PAYER INFORMATION			
(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card) Intelsat North America LLC		(3) TOTAL AMOUNT PAID (U.S. Dollars and cents) \$155.00	
(4) STREET ADDRESS LINE NO. 1 c/o Intelsat Global Svc. Corp.			
(5) STREET ADDRESS LINE NO. 2 3400 International Drive, N.W.			
(6) CITY Washington		(7) STATE DC	(8) ZIP CODE 20008 -3006
(9) DAYTIME TELEPHONE NUMBER (include area code) 202-9447848		(10) COUNTRY CODE (if not in U.S.A.) US	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(11) PAYER (FRN) 0009308008		<small>SEE PUBLIC BURDEN ON REVERSE</small>	
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C) COMPLETE SECTION BELOW FOR EACH SERVICE. IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(13) APPLICANT NAME Intelsat North America LLC			
(14) STREET ADDRESS LINE NO. 1 c/o Intelsat Global Svc. Corp.			
(15) STREET ADDRESS LINE NO. 2 3400 International Drive, N.W.			
(16) CITY Washington		(17) STATE DC	(18) ZIP CODE 20008 -3006
(19) DAYTIME TELEPHONE NUMBER (include area code) 202-944-7848		(20) COUNTRY CODE (if not in U.S.A.) US	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(21) APPLICANT (FRN) 009308008		<small>SEE PUBLIC BURDEN ON REVERSE</small>	
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(23A) CALL SIGN/OTHER ID	(24A) PAYMENT TYPE CODE CGX	(25A) QUANTITY 1	
(26A) FEE DUE FOR (PTC) \$155.00	(27A) TOTAL FEE \$155.00	<small>SEE PUBLIC BURDEN ON REVERSE</small>	
(28A) FCC CODE 1	(29A) FCC CODE 2 IB2006000504		
(23B) CALL SIGN/OTHER ID	(24B) PAYMENT TYPE CODE	(25B) QUANTITY	
(26B) FEE DUE FOR (PTC)	(27B) TOTAL FEE	<small>SEE PUBLIC BURDEN ON REVERSE</small>	
(28B) FCC CODE 1	(29B) FCC CODE 2		
SECTION D - CERTIFICATION			
CERTIFICATION STATEMENT I, _____, certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.			
SIGNATURE _____		DATE _____	
SECTION E - CREDIT CARD PAYMENT INFORMATION			
MASTERCARD _____ VISA _____ AMEX _____ DISCOVER _____			
ACCOUNT NUMBER _____		EXPIRATION DATE _____	
I hereby authorize the FCC to charge my credit card for the service(s)/authorization herein described.			
SIGNATURE _____		DATE _____	