

Date & Time Filed: May 13 2007 5:32:30:870PM
File Number: SES-MFS-20070513-00639

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

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Modification of E040445 Earth Station License

1-8. Legal Name of Applicant			
Name:	Rainbow Network Communications	Phone Number:	516-803-3000
DBA Name:		Fax Number:	
Street:	200 Jericho Quadrangle	E-Mail:	
City:	Jericho	State:	NY
Country:	USA	Zipcode:	11753 -
Attention:	Tom Greco		

9-16. Name of Contact Representative

Name:	Christopher Bjornson	Phone Number:	202.434.7300
Company:	Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.	Fax Number:	202.434.7400
Street:	701 Pennsylvania Ave., NW Suite 900	E-Mail:	crbjornson@mintz.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004-
Attention:	Christopher Bjornson	Relationship:	Legal Counsel

CLASSIFICATION OF FILING

<p>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.</p> <p><input checked="" type="radio"/> a1. Earth Station</p> <p><input type="radio"/> a2. Space Station</p>	<p>(N/A) b1. Application for License of New Station</p> <p>(N/A) b2. Application for Registration of New Domestic Receive-Only Station</p> <p><input type="radio"/> b3. Amendment to a Pending Application</p> <p><input checked="" type="radio"/> b4. Modification of License or Registration</p> <p>b5. Assignment of License or Registration</p> <p>b6. Transfer of Control of License or Registration</p> <p><input type="radio"/> b7. Notification of Minor Modification</p> <p>(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite</p> <p>(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States</p> <p>(N/A) b10. Other (Please specify)</p> <p>(N/A) b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States</p> <p>(N/A) b12. Application for Database Entry</p> <p><input type="radio"/> b13. Amendment to a Pending Database Entry Application</p> <p><input type="radio"/> b14. Modification of Database Entry</p>
<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: E040445</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: (b) File number: SESLIC2004112301727</p>
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TYPE OF SERVICE

<p>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:</p> <p><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)</p>	
<p>21. STATUS: Choose the button next to the applicable status. Choose only one.</p> <p><input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier</p>	<p>22. If earth station applicant, check all that apply.</p> <p><input checked="" type="checkbox"/> Using U.S. licensed satellites <input checked="" type="checkbox"/> Using Non-U.S. licensed satellites</p>
<p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:</p> <p><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</p>	

24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s).

a. C-Band (4/6 GHz) b. Ku-Band (12/14 GHz)

c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower: Frequency Upper: (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

<p>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.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No Rad Haz</p>
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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.

<p>29. Is the applicant a foreign government or the representative of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>30. Is the applicant an alien or the representative of an alien?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>31. Is the applicant a corporation organized under the laws of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>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?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>

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?
If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

Yes No

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?

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.)

Modification of license (Call Sign

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

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
Steven J. Pontillo

46. Title of Person Signing
Senior Vice President, Brdcstg, Info Sys and Tech

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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:	Bethpage	E5. Call Sign:	E040445
E2. Contact Name	Steven J. Pontillo	E6. Phone Number:	516.803.3000
E3. Street:	620 Hicksville Road	E7. City:	Bethpage
E4. State	NY	E8. County:	Nassau
E10. Area of Operation:	USA and Internationally		
E11. Latitude:	40 °44 '39.1 "N		
E12. Longitude:	73 °29 '37.9 "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):	32.0 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 Frequency Coord	<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?FAA Notifications 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: PAS-3R PANAMSAT-3R 43.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: PAS-1R PANAMSAT-1R 45.0 W.L. If you selected OTHER, please enter the following:
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E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:INTELSAT 705 INTELSAT 705 50 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

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:

Satellite Name:NSS-7 NSS-7 338.5 E.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:INTELSAT AOR 328.5 E.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:INTEL 903 INTELSAT 903 34.5 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:TELSTAR 11 ORION F1 37.5 W.L. If you selected OTHER, please enter the following:	
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E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: ESTRELA DO SUL 1 BSAT-1 63 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: ALSAT ALL AUTHORIZED U.S. ALSAT If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: PAS-9 PANAMSAT-9 58.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: TELSTAR 12 ORION F2 15 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: INTELSAT AOR 335.5 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: Bethpage	
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E26. Common Name:	E27. Country: Angola
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Albania

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Netherlands Antilles

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: United Arab Emirates

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Argentina

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Antigua and Barbuda

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Austria

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Burundi

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Belgium
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Benin

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Burkina Faso

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Bulgaria

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Bahrain

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Belarus

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Belize

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Bolivia

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Brazil
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Barbados

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Botswana

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Central African Rep.

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Canada

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Switzerland

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Chile

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Côte d'Ivoire

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Cameroon
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Congo

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Colombia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Costa Rica

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Cyprus

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Czech Rep.

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Germany

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Djibouti

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Dominica
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Denmark

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Dominican Rep.

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Ecuador

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Egypt

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Spain

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Estonia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Finland

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: France
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Gabon

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: United Kingdom

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Georgia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Guinea

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Gambia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Guinea-Bissau

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Greece

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Grenada
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Guatemala

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Guyana

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Honduras

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Croatia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Haiti

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Hungary

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Iceland

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Israel
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Italy

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Jamaica

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Jordan

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Saint Kitts and Nevis

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Kuwait

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Saint Lucia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Liechtenstein

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Lesotho
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Lithuania
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Luxembourg
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Latvia
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Morocco
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Moldova
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Madagascar
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Mexico
E25. Site Identifier: Bethpage	

E26. Common Name:	E27. Country: Mali
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Malta
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Mozambique
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Mauritania
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Mauritius
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Malawi
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Namibia
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Niger
E25. Site Identifier: Bethpage	

E26. Common Name:	E27. Country: Nigeria
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Nicaragua

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Netherlands

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Norway

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Oman

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Pakistan

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Panama

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Peru

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Poland
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Puerto Rico

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Portugal

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Paraguay

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Romania

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Rwanda

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Saudi Arabia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Senegal

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Sierra Leone
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E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: El Salvador

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Suriname

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Slovakia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Slovenia

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Sweden

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Swaziland

E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Chad

E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Togo
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Trinidad and Tobago
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Tunisia
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Turkey
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Tanzania
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Uganda
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: Uruguay
E25. Site Identifier: Bethpage	
E26. Common Name:	E27. Country: USA
E25. Site Identifier: Bethpage	

E26. Common Name:	E27. Country: Saint Vincent and the Grenadines
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E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: British Virgin Islands
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E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: United States Virgin Islands
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E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: South Africa
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E25. Site Identifier: Bethpage	
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E26. Common Name:	E27. Country: Zambia
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E25. Site Identifier: Bethpage	
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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)	
Bethpage	18	1	Vertex Comm.	9.3 KPK	9.3	59.1 dBi at 12	

Bethpage	18	1	Vertex Comm.	9.3 KPK	9.3	60.6 dBi at 14	
Bethpage	19	1	Vertex Comm.	9.3 KPK	9.3	59.1 dBi at 12	
Bethpage	19	1	Vertex Comm.	9.3 KPK	9.3	60.6 dBi at 14	
Bethpage	20	1	Vertex Comm.	9.3 KPK	9.3	59.1 dBi at 12	
Bethpage	20	1	Vertex Comm.	9.3 KPK	9.3	60.6 dBi at 14	

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 all carriers(dBW)
18	0.0/0.0	9.3	41.3	0.0	280.0	0.0	85.1
19	0.0/0.0	9.3	41.3	0.0	280.0	0.0	85.1
20	0.0/0.0	9.3	41.3	0.0	280.0	0.0	85.1

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 EIRP Density per Carrier (dBW/4kHz)
18	10950 11200	R	Horizontal and Vertical	36M0F3F	0.0	0.0

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						
18	11450 12200	R	Horizontal and Vertical	36M0F3F	0.0	0.0
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						
18	10950 11200	R	Horizontal and Vertical	36M0G7F	0.0	0.0
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.)						
Digital Video						
18	11450 12200	R	Horizontal and Vertical	36M0G7F	0.0	0.0

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.)						
Digital Video						
18	14000 14500	T	Horizontal and Vertical	36M0F3F	85.1	58.1
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.)						
Analog Video						
18	14000 14500	T	Horizontal and Vertical	36M0G7F	83.6	44.1
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.)						
Digital Video						
19	10950 11200	R	Horizontal and Vertical	36M0F3F	0.0	0.0

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						
19	11450 12200	R	Horizontal and Vertical	36M0F3F	0.0	0.0
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						
19	10950 11200	R	Horizontal and Vertical	36M0G7F	0.0	0.0
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.)						
Digital Video						
19	11450 12200	R	Horizontal and Vertical	36M0G7F	0.0	0.0

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.)						
Digital Video						
19	14000 14500	T	Horizontal and Vertical	36M0F3F	85.1	58.1
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.)						
Analog Video						
19	14000 14500	T	Horizontal and Vertical	36M0G7F	83.6	44.1
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.)						
Digital Video						
20	10950 11200	R	Horizontal and Vertical	36M0F3F	0.0	0.0

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						
20	11450 12200	R	Horizontal and Vertical	36M0F3F	0.0	0.0
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						
20	10950 11200	R	Horizontal and Vertical	36M0G7F	0.0	0.0
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.)						
Digital Video						
20	11450 12200	R	Horizontal and Vertical	36M0G7F	0.0	0.0

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.)

Digital Video

20	14000 14500	T	Horizontal and Vertical	36M0F3F	85.1	58.1
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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

20	14000 14500	T	Horizontal and Vertical	36M0G7F	83.6	44.1
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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.)

Digital Video

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)
18	Geostationary	10950 11200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	11450 12200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	14000 14500	7.0/143.0	105.9	9.0	256.3	6.7	8.58
19	Geostationary	10950 11200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	11450 12200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	14000 14500	7.0/143.0	105.9	9.0	256.3	6.7	8.58
20	Geostationary	10950 11200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	11450 12200	7.0/143.0	105.9	9.0	256.3	6.7	0.0
	Geostationary	14000 14500	7.0/143.0	105.9	9.0	256.3	6.7	8.58

REMOTE CONTROL POINT LOCATION

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

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