

Approved by OMB
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File Number: SAT-LOA-20030827-00249
Callsign/Satellite ID: S2555

APPLICATION FOR SATELLITE SPACE STATION AUTHORIZATIONS 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:
Application to Construct and Operate Ka-Band Satellite at 71 W.L. and 119 W.L.

1-8. Legal Name of Applicant			
Name:	Rainbow DBS Company LLC	Phone Number:	516-803-2569
DBA Name:		Fax Number:	516-803-4824
Street:	200 Jericho Quadrangle	E-Mail:	dadeitch@rainbow-media.com
City:	Jericho	State:	NY
Country:	USA	Zipcode:	11753 -
Attention:	David A Deitch Esq		



File # SAT-LOA-20030827-00249
With attached conditions
Call Sign S2555 Grant Date 11-21-03
(or other identifier)
Term Dates
From _____ To: _____
Approved: Thomas S. Tyer

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of the Application of)
Rainbow DBS Company LLC) File No. _____
For Authority to Construct, Launch and)
Operate a Ka-Band Communications)
Satellite System)
)

APPLICATION FOR AUTHORITY

Rainbow DBS Company LLC (“Rainbow DBS”),^{1/} pursuant to Sections 308, 309, and 319 of the Communications Act of 1934, as amended,^{2/} hereby requests authority to construct, launch, and operate a two-satellite geostationary (“GSO”) communications satellite system using the Ka-band frequencies specified herein (“Rainbow Ka System”).^{3/} One satellite – Rainbow Ka 4 – is to be located at 71° W.L., while the second satellite – Rainbow Ka 5 – is to be located at 119° W.L.

The narrative to this application demonstrates how the Rainbow Ka System will comply with Sections 25.114 and 25.140 of the Commission’s rules for Ka-band satellite systems and

^{1/} Rainbow DBS is an indirect wholly-owned subsidiary of Cablevision Systems Corporation (“Cablevision”).

^{2/} 47 U.S.C. §§ 308, 309, 319.

^{3/} The Commission’s rules permit an applicant proposing more than one space station to provide the required information in a consolidated system application. 47 CFR § 114(a). Simultaneous with the filing of this application, Rainbow DBS is submitting two other applications for Ka-band satellites to be located at 62° W.L., 87° W.L. and 129° W.L. The grant of any, or all, of these applications will enable Rainbow DBS to implement its objectives. The three applications, requesting five satellites, are within the five satellite per frequency limit placed on new applicants by the Commission’s rules. See 47 CFR § 25.159(a).

Attachment
Conditions of Authorization
11/21/2003

1. Rainbow DBS Company LLC's application, SAT-LOA-20030827-00249, Call Sign S2555, IS GRANTED and Rainbow DBS Company LLC is authorized to launch and operate its Rainbow Ka 5 satellite at 119° W.L., in the frequency bands 18.3-18.8 GHz, 19.7-20.2 GHz, 28.35-28.6 GHz, and 29.25-30.0 GHz, in accordance with the terms, conditions, and technical specifications set forth in its application and this Attachment.
2. Rainbow Ka 5 must be constructed, launched, and placed into operation in accordance with the technical parameters and terms and conditions of this authorization by these specified time periods following the date of authorization:
 - a. execute a binding contract for construction within one year (11/21/2004)
 - b. complete the Critical Design Review within two years (11/21/2005)
 - c. commence construction within three years (11/21/2006)
 - d. Launch and begin operations within five years (11/21/2008)
 - e. Rainbow DBS Company LLC must file a bond with the Commission in the amount of \$5 million, pursuant to the procedures set forth in Public Notice, DA 03-2602, 18 FCC Rcd 16283 (2003), within 30 days of the date of this grant (12/21/2003).

Failure to meet any of these dates shall render this authorization null and void.

3. Rainbow DBS Company LLC shall prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, international coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. Rainbow DBS Company LLC shall be held responsible for all cost recovery fees associated with these ITU filings. We also note that no protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, by successfully completing coordination agreements. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments of other administrations. *See* 47 C.F.R. § 25.111(b).
4. The license term for the Rainbow Ka 5 satellite, Call Sign S2555, is fifteen years and will begin to run on the date that Rainbow DBS Company LLC certifies to the Commission that the satellite has been successfully placed into orbit and its operation fully conforms to the terms and conditions of this authorization.
5. Rainbow DBS Company LLC must coordinate its downlink operations in the bands 18.3-18.8 GHz and 19.7-20.2 GHz with U.S. Government systems, including Government operations to earth stations in foreign countries, in accordance with footnote US334 to the Table of Frequency Allocations, 47 C.F.R. § 2.106.
6. Rainbow DBS Company LLC must conduct its operations pursuant to this authorization in a manner consistent with the power flux-density requirements of footnote US255 to the Table of Frequency Allocations, 47 C.F.R. § 2.106, and 47 C.F.R. § 25.208, of the Commission's Rules.

7. This grant does not in any way constitute an approval of Rainbow DBS Company LLC's post-mission disposal plans for Rainbow Ka 5.
8. Rainbow DBS Company LLC must provide a written statement to the Commission within 60 days of the date of this grant that identifies any known satellites located at, or planned to be located at, Rainbow DBS Company LLC's assigned orbital location, or assigned in the vicinity of that location such that the station-keeping volume of the respective satellites might overlap, and that states the measures that will be taken to prevent in-orbit collisions with such satellites. This statement should address any licensed FCC systems, or any systems applied for and under consideration by the FCC. The statement need not address every filing with the ITU that meets these criteria, but should assess and address any systems reflected in ITU filings that are in operation or that Rainbow DBS Company LLC believes may be progressing toward launch, *e.g.*, by the appearance of the system on a launch vehicle manifest. If Rainbow DBS Company LLC elects to rely on coordination with other operators to prevent in-orbit collisions, it shall provide a statement as to the manner in which such coordination will be effected.
9. Rainbow DBS Company LLC is afforded thirty days from the date of adoption of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
10. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon adoption. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.