



File # Sat-STA-20050526-00109

Call Sign S2132 Grant Date July 8, 2005
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From July 24, 2005 To: Jan 20, 2006

Approved: [Signature] Chief Satellite
Robert B. Nelson Engineering Branch

Date & Time Filed: May 26 2005 4:48:16:696PM
File Number: SAT-STA-20050526-00109
Callsign:

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:
DIRECTV Ent. DIRECTV8 STA 100.65 WL (Ka-band)

1. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	310-726-4993
DBA Name:		Fax Number:	310-535-5323
Street:	2230 E. Imperial Hwy	E-Mail:	dapattillo@directv.com
City:	El Segundo	State:	CA
Country:	USA	Zipcode:	90245 -
Attention:	David A. Pattillo		

ATTACHMENT

DIRECTV 8

SAT-STA-20050526-00108 (Call Sign: S2632)

SAT-STA-20050526-00109 (Call Sign: S2132)

July 8, 2005

DIRECTV Enterprises, L.L.C.'s (DIRECTV) applications for special temporary authority (STA), IBFS File No. SAT-STA-20050526-00108 and SAT-STA-20050526-00109, ARE GRANTED. Accordingly, DIRECTV is authorized for a period of 180 days commencing on July 24, 2005 on a non-interference basis (1) to operate Tracking, Telemetry, and Command ("TT&C") functions in the 17307 MHz (Earth-to-Space) and 12203.25 and 12203.75 MHz (Space-to-Earth) frequencies at the 100.65° W.L. orbital location and (2) to operate the Ka-band communications payload in the 18.3 – 18.8 GHz (space-to-Earth), 28.35 – 28.6 GHz (Earth-to-space), 19.7 – 20.2 GHz (space-to-Earth) and 29.25-30.0 GHz (Earth-to-space) frequency bands on the DIRECTV 8 satellite at the 100.65° W.L. orbital location in accordance with the terms, conditions, and technical specifications set forth in its application, the Commission's rules and this Attachment; and

1. During operations at 100.65° W.L. no harmful interference shall be caused by DIRECTV-8 to any other lawfully operating in-orbit satellite and operations of the DIRECTV-8 satellite shall cease immediately upon notification of such interference.
2. During operations at 100.65° W.L. DIRECTV is required to accept interference from other lawfully operating in-orbit satellites.
3. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at DIRECTV's own risk.
4. This action is without prejudice to Commission action on DIRECTV's pending applications SAT-MOD-20050513-00100 and SAT-MOD-20050513-00101 (seeking authorization to operate at 100.75°W).
5. 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 release.

2. Contact			
Name:	William M. Wiltshire	Phone Number:	202-730-1350
Company:	Harris, Wiltshire & Grannis, LLP	Fax Number:	202-730-1301
Street:	1200 18th Street, NW	E-Mail:	wwiltshire@harriswiltshire.com
	12th Floor		
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:		Relationship:	Legal Counsel
(If your application is related to an application filed with the Commission, enter the file number below.)			
3. Reference File Number			
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 checked="" type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input type="radio"/> Other			
6. Temporary Orbit Location 100.65 W.L.		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.)

DIRECTV Enterprises, LLC requests special temporary authority to operate the Ka-band payload of DIRECTV 8 at 100.65 W.L. for up to 180 days beginning on or about June 24th, 2005.

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 1.2002(b) for the meaning of "party to the application" for these purposes. Yes No

10. Name of Person Signing
James Butterworth

11. Title of Person Signing
Senior Vice President

12. Please supply any need attachments.

Attachment 1: Exhibit A

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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1200 EIGHTEENTH STREET, NW
WASHINGTON, DC 20036

TEL 202.730.1300 FAX 202.730.1301
WWW.HARRISWILTSHIRE.COM

ATTORNEYS AT LAW

May 26, 2005

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: *Request for Special Temporary Authority for the Ka-band Payload on
DIRECTV 8 at 100.65° W.L.*
Call Sign: S2132

Dear Ms. Dortch:

DIRECTV Enterprises, LLC ("DIRECTV") hereby requests Special Temporary Authority ("STA") to operate the Ka-band communications payload on DIRECTV 8 at the 100.65° W.L. orbital location for up to 180 days beginning approximately June 24, 2005. Because DIRECTV 8 has been launched and its licensed orbital location at the nominal 101° W.L. position is currently occupied, DIRECTV respectfully requests expedited action on this request.

DIRECTV 8, a hybrid satellite with both Ka-band and Direct Broadcast Satellite ("DBS") payloads, was successfully launched on May 22, 2005. Its licensed orbital location is 100.85° W.L., which currently falls within the station-keeping boxes covered by both DIRECTV 1R (100.85° W.L. \pm 0.05°) and DIRECTV 2 (100.8° W.L. \pm 0.1°). The remainder of the nominal 101° W.L. orbital location is also highly congested, with four more satellites (DIRECTV 1, DIRECTV 4S, AMSC-1, and AMC-4) operating in close proximity.

DIRECTV 8 will eventually replace DIRECTV 2, at which time DIRECTV 2 can be moved out of this location to free up space for the new satellite. However, DIRECTV has not yet had an opportunity to conduct in-orbit testing ("IOT") of the spacecraft's DBS payload, which is a necessary precursor to transferring traffic from DIRECTV 2. DIRECTV will be able to confirm the operational status of DIRECTV 8's Ka-band

HARRIS, WILTSHIRE & GRANNIS LLP

Marlene H. Dortch
May 24, 2005
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payload before it arrives at the 101° W.L. slot,¹ and so intends to operate in that band immediately upon its arrival. DIRECTV is in the process of finalizing arrangements for conducting IOT using the Canadian BSS slot at 138° W.L. at some point over the next several months. Accordingly, DIRECTV requests an STA to locate DIRECTV 8 at 100.65° W.L. and operate the Ka-band payload for up to 180 days in the interim period between arrival at the nominal 101° W.L. location and temporary relocation to conduct DBS IOT.

Operation of the Ka-band payload of DIRECTV 8 at 100.65° W.L. will not result in harmful interference to adjacent satellites at those positions. The DIRECTV Group, Inc. holds the Ka-band authorization for the nearest slot (99.2° W.L.), and DIRECTV intends to self-coordinate its operations to minimize any disruption. All other operational Ka-band satellites are located more than two degrees away from the location proposed for DIRECTV 8.

Grant of this STA request will serve the public interest by allowing DIRECTV to begin Ka-band operations at the nominal 101° W.L. orbital location as soon as possible while avoiding a potentially hazardous situation at a congested slot. In addition, grant of this STA request will not result in increased risk of harmful interference to any other system, as DIRECTV will operate on a non-harmful interference basis.

Accordingly, DIRECTV requests the expeditious grant of special temporary authority.

Respectfully submitted,

\s\

William M. Wiltshire
Counsel to DIRECTV Enterprises, LLC

¹ DIRECTV has sought an STA for Ka-band operations at the 102.8° W.L. and 99.2° W.L. orbital locations prior to reaching the nominal 101° W.L. location. See FCC File No. SAT-STA-20050506-00096. That application is unopposed.