



File # SAT-STA-20050624-00136  
*with attached conditions*  
Call Sign S2632 Grant Date 8/19/2005  
(or other identifier)

Term Dates  
From 8/26/2005 To 10/10/2005 Approved by OMB  
3060-0678

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

Date & Time Filed: Jun 24 2005 3:08:38:523PM  
File Number: SAT-STA-20050624-00136  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
DIRECTV Ent DIRECTV 8 STA 138 W.L.

I. Applicant

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

**Attachment**  
**SAT-STA-20050624-00136**  
**DIRECTV-8**  
**Call Sign: S2632**  
**August 19, 2005**

1. DIRECTV Enterprises, L.L.C.'s ("DIRECTV's") application for Special Temporary Authority, File No: SAT-STA-20050624-00136, IS GRANTED. Accordingly, DIRECTV is authorized, for the period from August 26, 2005 to October 10, 2005, to drift its DIRECTV 8 satellite (Call Sign S2632) from 100.65° W.L. to 138° W.L. to conduct in-orbit-testing of the DIRECTV 8 satellite DBS payload in the 17.3 – 17.8 GHz (Earth-to-space), and 12.2 – 12.7 GHz (space-to-Earth) frequency bands at the 138.0° W.L. orbital location and upon completion of the test to return the DIRECTV 8 satellite to its assigned orbital location of 100.65° W.L.<sup>1</sup>, in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Commission's Rules.
2. DIRECTV shall coordinate its test operations with all potentially affected operating satellite networks to ensure that no unacceptable interference results from its test operations at 138.0° W.L.
3. DIRECTV's test operations shall not cause harmful interference to any lawfully operating in-orbit satellites or other radiocommunication system, DIRECTV shall cease operations immediately upon notification of such interference and DIRECTV shall inform the FCC in writing within 3 days of such an event.
4. DIRECTV is required to accept interference from other lawfully operating in-orbit satellites or radiocommunication systems.
5. DIRECTV's operations at 138° W.L. shall be limited solely to in-orbit test operations and shall not include the provision of commercial services.
6. Testing authority is limited to those frequencies for which the DIRECTV-8 satellite is authorized under Call Sign: S2632; operations of the Ka-band payload authorized under Call Sign: S2132 must cease upon commencement of the maneuver to vacate the 100.65° W.L. orbital location and shall not resume until such time that the DIRECTV-8 satellite has returned to DIRECTV-8's authorized orbital position of 100.65° W.L.
7. DIRECTV shall not operate the DBS payload of DIRECTV-8 during the drift of the satellite from the 100.65° W.L. orbit location to the 138° W.L. orbit location and during the drift of the satellite from 138° W.L. orbit location to its assigned orbital location of 100.65° W.L.
8. DIRECTV shall notify the Commission in writing no later than seven days after it has completed testing and returned DIRECTV-8 to its assigned orbital location.

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<sup>1</sup> DIRECTV has two pending applications SAT-MOD-20050513-00100 and SAT-MOD-20050513-00101 to modify the authorized orbital location of DIRECTV-8 satellite to 100.75° W.L. Comments have been received. Our action here is without prejudice to the pending applications.

9. DIRECTV shall coordinate its Tracking, Telemetry, and Command, ("TT&C") operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during the drift to 138° W.L. and from 138° W.L. to its assigned orbital location.
  
10. DIRECTV is afforded thirty days from the date of release of this authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
  
11. This Authority 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. 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.

2. Contact

<b>Name:</b>	William M. Wiltshire	<b>Phone Number:</b>	202-730-1350
<b>Company:</b>	Harris, Wiltshire & Grannis, LLP	<b>Fax Number:</b>	202-730-1301
<b>Street:</b>	1200 18th Street, NW	<b>E-Mail:</b>	wwiltshire@harriswiltshire.com
	12th Floor		
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -
<b>Attention:</b>		<b>Relationship:</b>	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?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity     Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification    CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location                       Extend Expiration Date                       Other

6. Temporary Orbit Location  
138 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 drift DIRECTV 8 to 138 W. L. for in-orbit testing of its DBS payload.

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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**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.**

June 24, 2005

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

Re: *Request for Special Temporary Authority for In-Orbit Testing of the  
DBS Payload on DIRECTV 8 at 138° W.L.*  
Call Sign: S2632

Dear Ms. Dortch:

DIRECTV Enterprises, LLC ("DIRECTV") hereby requests Special Temporary Authority ("STA") during a period between on or about August 26, 2005 and October 10, 2005, to migrate the DIRECTV 8 satellite from the nominal 101° W.L. orbital location to 138° W.L., conduct in-orbit testing ("IOT") of the Direct Broadcast Satellite ("DBS") communications payload on the satellite at that location, and migrate back to 101° W.L.

DIRECTV 8, a hybrid satellite with both Ka-band<sup>1</sup> and DBS payloads, was successfully launched on May 22, 2005. The satellite is currently located at 100.65° W.L., where its Ka-band payload is in regular operation. DIRECTV has not yet had an opportunity to conduct IOT of the spacecraft's DBS payload, which is a necessary precursor to transferring traffic from the satellite it will replace, DIRECTV 2. DIRECTV has made arrangements to conduct IOT using the Canadian BSS slot at 138° W.L. for approximately two weeks in September. Specifically, DIRECTV contemplates the following schedule:

- DIRECTV 8 will begin its drift to 138° W.L. on or about August 26, 2005. During the drift, which DIRECTV expects to take approximately sixteen days, the satellite's communications payloads will be turned off other than TT&C functions.<sup>2</sup>

<sup>1</sup> The satellite's Ka-band payload will not be operated during the period of this STA.

<sup>2</sup> DIRECTV will use 17307 MHz for its command uplink and 12203.25 and 12203.75 MHz for its telemetry downlinks.

**HARRIS, WILTSHIRE & GRANNIS LLP**

Marlene H. Dortch

June 24, 2005

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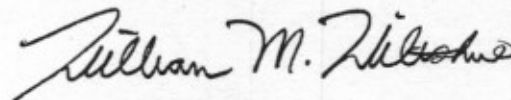
- After DIRECTV 8 reaches 138° W.L., DIRECTV will then commence IOT of the satellite's DBS payload from about September 11, 2005 to September 24, 2005.
- After IOT is completed, DIRECTV 8 will then be drifted back to the nominal 101° W.L. slot (again with its communications payloads turned off other than TT&C functions) over the course of approximately sixteen days, reaching that orbital position on or about October 10, 2005.

Operation and testing of the DBS payload of DIRECTV 8 during this maneuver will not result in harmful interference to other satellite systems. DIRECTV has received permission from Industry Canada to use the 138° W.L. BSS slot for testing, and has coordinated its IOT plans with Ciel Satellite Communications, Inc., the Canadian DBS licensee at 129° W.L., which is the nearest DBS system likely to be in operation during the relevant period. DIRECTV will also coordinate its TT&C operations during drift with all other potentially affected operators to ensure that no harmful interference results.

Grant of this STA request will serve the public interest by allowing DIRECTV to test the DBS payload on DIRECTV 8 to ensure that it is fully operational and ready to begin providing service to millions of DIRECTV subscribers from its licensed orbital location.

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

Respectfully submitted,



William M. Wiltshire

*Counsel to DIRECTV Enterprises, LLC*