

S2640 SAT-STA-20080416-00086  
DIRECTV Enterprises, LLC

IB2008000904

Approved by OMB  
3060-0678

Date & Time Filed: Apr 16 2008 3:59:51:876PM

File Number: SAT-STA-20080416-00086

Callsign: S2640

D11 IOT @ 99.4° W.L.

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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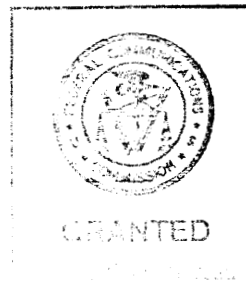
APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

STA - D11 - IOT at 99.4 WL

1. 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>	Dave Pattillo		



File # SAT-STA-20080416-00086

Call Sign S2640 Grant Date May 21, 2008  
(or other identifier)

Term Dates  
From May 25, 2008 To: + 30 days

Approved: [Signature]  
Policy Branch Chief

w/conditions.

**ATTACHMENT**  
**Conditions of Authorization: SAT-STA-20080416-00086**  
**Call Sign: S2640**  
**Grant Date: May 21, 2008**

The request of DIRECTV Enterprises, LLC (DIRECTV) for special temporary authority (STA), IBFS File No. SAT-STA-20080416-00086, IS GRANTED. Accordingly, DIRECTV IS AUTHORIZED for a period of 30 days commencing on May 25, 2008 to operate the DIRECTV 11 satellite (Call Sign: S2640) from the 99.4° WL orbital location to conduct in-orbit testing (IOT) using the 18.3-18.8 GHz (Space-to-earth) and 28.35-28.6 GHz and 29.25-29.5 (Earth-to-Space) GHz frequency bands and to conduct telemetry, tracking and control (TT&C) operations necessary to maintain the satellite at the 99.4° WL orbital location.<sup>1</sup> This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in DIRECTV's application, this Attachment, and the Commission's rules:

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., DIRECTV shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of DIRECTV 11's operations at the 99.4° W.L. orbital location, DIRECTV shall cease operations immediately upon notification of such interference and shall inform the Commission, in writing, immediately of such an event.
3. DIRECTV's operations at 99.4° W.L. shall be limited solely to IOT operations and shall not include the provision of commercial services.
4. DIRECTV must coordinate all of its Ka-band downlink operations with Federal fixed-satellite systems, both geostationary and non-geostationary, in accordance with footnote US334 to the Table of Frequency Allocations, 47 C.F.R. § 2.106. Absent a coordination agreement pursuant to footnote US334, DIRECTV shall operate its Ka-band downlinks on a non-harmful interference basis with regards to Federal systems in the 18.3-18.8 GHz band and must terminate its Ka-band downlink operations immediately in the event that such operations cause harmful interference into operating Federal systems. In addition, DIRECTV must accept interference from such systems absent a coordination agreement pursuant to footnote US334.
5. DIRECTV must conduct its operations pursuant to this STA 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; See also 47 C.F.R. §§ 25.138(a)(6), and 25.208.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at DIRECTV's own risk.
8. 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.
9. This Authority is granted pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. Petitions for reconsideration

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<sup>1</sup> DIRECTV 11 is licensed to operate from the 99.225° WL orbital location.

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.



w/conditions

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Approved: [Signature]  
Policy Branch Chief

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
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -
<b>Attention:</b>	William M. Wiltshire	<b>Relationship:</b>	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)			
3. Reference File Number or Submission ID			
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 type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other			
6. Temporary Orbit Location 99.4 WL		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.)

See Exhibit A.

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:

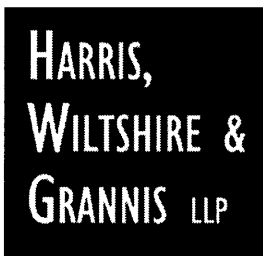
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT  
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION  
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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ATTORNEYS AT LAW

April 16, 2008

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  
DIRECTV 11 at 99.4° W.L.***  
*Call Sign: S2640*

Dear Ms. Dortch:

DIRECTV Enterprises, LLC (“DIRECTV”) hereby requests Special Temporary Authority (“STA”) to locate the DIRECTV 11 satellite at the 99.4° W.L. orbital location for in-orbit testing (“IOT”) of the satellite for a period of up to 30 days beginning on or about May 25, 2008. DIRECTV also requests that this authority cover the use of Ka-band frequencies for telemetry, tracking and command (“TT&C”) functions during testing at 99.4° W.L.

DIRECTV 11 was launched on March 19, 2008. DIRECTV desires to conduct IOT for approximately four weeks at 99.4° W.L., which is just slightly offset from its licensed position at 99.225° W.L. Operation and testing of DIRECTV 11 during this maneuver will not result in harmful interference to other satellite systems. The only other co-frequency satellites located within two degrees of arc are DIRECTV 8 and DIRECTV 9S, operating at 100.85° W.L. and 101.1° W.L., respectively, and DIRECTV anticipates no difficulty in coordinating the operations of its satellites. DIRECTV will also coordinate its TT&C operations during drift with all other potentially affected operators to ensure that no harmful interference results. Furthermore, DIRECTV is prepared to terminate all testing operations immediately upon notification from the Commission that its operations cause harmful interference to any authorized user of the spectrum.

Grant of this STA request will serve the public interest by allowing DIRECTV to test the DIRECTV 11 satellite to ensure that it is fully operational and ready to begin providing service to millions of DIRECTV subscribers from the satellite’s licensed

**HARRIS, WILTSHIRE & GRANNIS LLP**

Marlene H. Dortch  
April 16, 2008  
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orbital location. Allowing DIRECTV to test the satellite at 99.4° W.L. will serve the public interest by minimizing the risk of interference to DIRECTV's ongoing commercial service to its subscribers. Accordingly, and in light of the progress of orbit raising, DIRECTV requests the expeditious grant of special temporary authority.

Respectfully submitted,

/s/  
William M. Wiltshire  
*Counsel to DIRECTV Enterprises, LLC*