

Date & Time Filed: Jul 1 2008 9:43:21:403AM  
File Number: SAT-STA-20080701-00136  
Callsign:

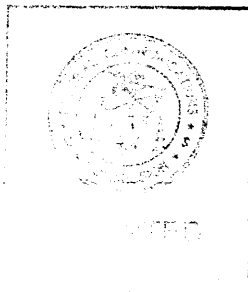
FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
STA - D11 - Ka-band IOT

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-20080701-00136

Call Sign S2640 Grant Date 7/7/08  
(or other identifier)

Term Dates  
From 7/7/08 To 7/11/08

Approved: [Signature]  
Policy Branch Chief

**ATTACHMENT**  
**Conditions of Authorization:**  
**Call Sign: S2640**  
**Grant Date: July 7, 2008**

The request of DIRECTV Enterprises, LLC ("DIRECTV") for special temporary authority (STA), File No. SAT-STA-20080701-00136, IS GRANTED. Accordingly, DIRECTV IS AUTHORIZED, for a period of two days between July 7, 2008 and July 11, 2008, to conduct in-orbit testing of DIRECTV 11 using the 29.437 GHz uplink (Earth-to-space) and 18.732 GHz downlink (space-to-Earth) frequencies at the 100.7° W.L. orbital location, using the Los Angeles downlink spot beam, with an emission designator of 36M0G7W, and a maximum downlink power flux density of -118 dBW/m<sup>2</sup>/MHz.<sup>1</sup> This STA 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. DIRECTV shall coordinate its operations with all potentially affected operating satellite networks to ensure that no unacceptable interference results from its operations while at the 100.7° W.L. orbital location.
2. DIRECTV's operations shall not cause harmful interference to any lawfully operating in-orbit satellites or radiocommunication systems. DIRECTV shall cease operations immediately upon notification of such interference and DIRECTV shall inform the FCC in writing within three days of such an event.
3. DIRECTV is required to accept interference from other lawfully operating in-orbit satellites and radiocommunication systems.
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 bands 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 is required to send a notification via email to the individuals listed below upon commencement of testing and again upon conclusion of testing. [edavison@ntia.doc.gov](mailto:edavison@ntia.doc.gov); [jmcfall@ntia.doc.gov](mailto:jmcfall@ntia.doc.gov); and [chip.fleming@fcc.gov](mailto:chip.fleming@fcc.gov).
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.
7. 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.

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<sup>1</sup> DIRECTV was previously granted a STA by the Office of Engineering and Technology for TT&C at this orbital location. Call Sign: WD9XHL, File No. 0207-EX-ST-2008.

8. 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 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.



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(or other identifier)

Term Dates  
From 7/7/08 To: 7/11/08

Approved: [Signature]  
Policy Review Chief

<b>2. Contact</b>			
<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 SATMOD2007101000138 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		7. Requested Extended Expiration Date	

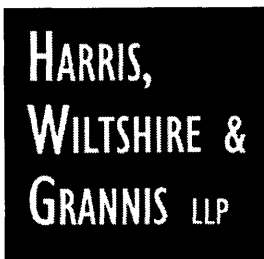
<b>8. Description</b> (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)		
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> See Exhibit A. </div>		
<b>9.</b> By checking Yes, the undersigned certifies that neither 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.		
<input checked="" type="radio"/> Yes		<input type="radio"/> No
<b>10. Name of Person Signing</b> James Butterworth	<b>11. Title of Person Signing</b> Senior Vice President	
<b>12. Please supply any need attachments.</b>		
Attachment 1: Exhibit A	Attachment 2:	Attachment 3:
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b> (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.**



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ATTORNEYS AT LAW

July 1, 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 100.7° W.L.  
Call Sign: S2640***

Dear Ms. Dortch:

DIRECTV Enterprises, LLC (“DIRECTV”) hereby requests Special Temporary Authority (“STA”) to conduct in-orbit testing (“IOT”) of a single Ka-band beam on the DIRECTV 11 satellite at the 100.7° W.L. orbital location for a period of approximately two days during the week of July 7-11.

DIRECTV 11 was launched on March 19, 2008. It is currently operating at the 100.7° W.L. position, using a 17/24 GHz BSS payload.<sup>1</sup> DIRECTV desires to conduct IOT of a single spot beam on the satellite’s Ka-band payload over an approximately two-day period. Specifically, DIRECTV requests authority to use one 36 MHz transponder on the spot beam covering the Los Angeles DMA operating with a center frequency of 29437 MHz Earth-to-space and 18732 MHz space-to-Earth.

This very limited operation and testing of DIRECTV 11 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. 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.

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<sup>1</sup> See File No. 0207-EX-ST-2008, call sign WD9XHL.

**HARRIS, WILTSHIRE & GRANNIS LLP**

Marlene H. Dortch  
July 1, 2008  
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Grant of this STA request will serve the public interest by allowing DIRECTV to test the DIRECTV 11 satellite and associated ground infrastructure to confirm certain operational characteristics relevant to ongoing service to millions of DIRECTV subscribers. Accordingly, DIRECTV requests the expeditious grant of special temporary authority.

Respectfully submitted,

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