

DIRECTV Enterprises, LLC

SAT-STA-20091006-00105

IB2009005121

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Callsign:



File # SAT-STA-20091006-00105
Call Sign S2GHO Grant Date 10/22/09
(or other identifier) Term Dates period of
From 10/22/05 To: 30 days
Approved: Stephen J. Dwall
Chief, Policy Branch

Approved by OMB
3060-0678

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 request for D11 satellite SAT-LOA-20040909-00168

1. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	310-964-3982
DBA Name:		Fax Number:	310-964-4883
Street:	2230 E. Imperial Hwy CA/LAI/N340	E-Mail:	jwengryniuk@directv.com
City:	El Segundo	State:	CA
Country:	USA	Zipcode:	90245 -
Attention:	Jack Wengryniuk		

ATTACHMENT
Conditions of Authorization: SAT-STA-20091006-00105
Call Sign: S2640
Grant Date: October 22, 2009

The request of DIRECTV Enterprises, LLC (DIRECTV) for special temporary authority (STA), IBFS File No. SAT-STA-20091006-00105, is granted. Accordingly, DIRECTV is authorized for a period of 30 days, commencing on October 22, 2009, to operate the DIRECTV 11 satellite (Call Sign: S2640) from the 99.225° W.L. orbital location to conduct in-orbit testing (IOT) using a continuous wave signal (NON emission) on 17.7 GHz (space-to-Earth) and 25.15 GHz (Earth-to-space) frequency bands with a maximum EIRP of 46.5 dBW. 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 99.225° 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 shall coordinate its IOT operations with all potentially affected lawfully operating radiocommunication systems to ensure that no unacceptable interference results from its IOT operations.
4. DIRECTV's operations of the DIRECTV 11 satellite at the 99.225° W.L. orbital location shall be limited solely to IOT operations and shall not include the provision of commercial services.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at DIRECTV's own risk.
6. 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.



* subject to
conditions

File # SAT - STA - 20091006 - 00105

Call Sign S2640 Grant Date 10/22/09

(or other identifier)

Term Dates period of
From 10/22/09 To: 30 days

Approved: _____

Stephen J. Duall
Stephen J. Duall
Chief, Policy Branch

2. Contact			
Name:	William M. Wiltshire	Phone Number:	202-730-1350
Company:	Wiltshire & Grannis LLP	Fax Number:	202-730-1301
Street:	1200 18th Street, NW	E-Mail:	wwiltshire@wiltshiregrannis.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	William M. Wiltshire	Relationship:	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 SATLOA2004090900168 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 checked="" type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other	
6. Temporary Orbit Location 99.225		7. Requested Extended Expiration Date 2009-10-19 00:00:00.0	

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 17/24 GHz BSS payload on the DIRECTV 11 satellite at the 99.225 W.L. orbital location in connection with earth station testing.

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: STA Request

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.

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) hereby requests Special Temporary Authority (“STA”) to operate the 17/24 GHz BSS payload on the DIRECTV 11 satellite at the 99.225° W.L. orbital location for a period of up to 30 days beginning on or about October 19, 2009 in connection with testing of a DIRECTV satellite earth station located in Moxee, WA.

DIRECTV 11 was launched on March 19, 2008. While the primary payload on that satellite operates using Ka-band frequencies, there is also a 17/24 GHz BSS payload that was operated for a brief period following launch under an experimental authorization.¹ The launch of another, more capable 17/24 GHz BSS payload (referred to as DIRECTV RB2-A) is scheduled for later this year. In anticipation of that launch, DIRECTV has been constructing a feeder link earth station that will operate in this band.² That earth station will be ready for antenna testing later this month, and the payload on DIRECTV 11 is the only one DIRECTV is aware of that actually operates in this band.

There are no other 17/24 GHz BSS satellites yet in operation, and the nearest DBS satellite is located more than 1.5° away – and is also operated by DIRECTV. Accordingly, DIRECTV anticipates no difficulty in coordinating its proposed operations. 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 its earth station – the first to seek licensing in the 17/24 GHz band – to ensure that it is fully operational and ready to begin providing service to DIRECTV subscribers in advance of the launch of DIRECTV RB2-A.

¹ See OET File No. 0544-EX-ST-2007 (call sign WD9XCI). DIRECTV’s operations under the requested STA would conform to the parameters set forth in its application for experimental authorization.

² See IBFS File No. SES-LIC-20091001-01263. DIRECTV will also seek an STA to test this earth station with the 17/24 GHz BSS payload that is the subject of this application.