

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA request for D12 earth station E070027 (30 days) IOT

1. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	301-663-0053
DBA Name:		Fax Number:	240-358-0569
Street:	2230 E. Imperial Hwy	E-Mail:	jwengryniuk@directv.com
City:	El Segundo	State:	CA
Country:	USA	Zipcode:	90245
Attention:	Jack Wengryniuk		

With conditions please see the attached,

File # SES-STA-20091202-01526

Call Sign E070027 Grant Date 02/12/10
(or other identifier)

Temp Dates
From 02/12/10 To 03/12/10

Appr. d. 





Shehnaiz Ghavami

DIRECTV Enterprises, LLC.
File No.: SES-STA-20091202-01526
Call Sign: E070027

**ATTACHMENT(Conditions)
February 12, 2010**

DIRECTV Enterprises, LLC's request for Special Temporary Authority is GRANTED in accordance with the terms, conditions, and technical specifications set forth in DIRECTV's application and supplements, the conditions set forth in this Attachment, and the Commission's rules.

1. DIRECTV shall ensure that a 24/7 POC Boeing Flight Director, 310-744-9076, be available during in-orbit testing.
2. DIRECTV shall notify AFFMA (robert.lando@pentagon.af.mil, 703-428-1513) 24 hours prior to the commencement of operations. DIRECTV shall also notify AFFMA at the conclusion of operations.
3. All operation 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. In the event of any harmful interference as a result of operations pursuant to this STA, DIRECTV shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
4. DIRECTV shall notify Iridium (donna.bethea-murphy@iridium.com) when it initiates and terminates in-orbit testing.
5. DIRECTV's operations in the 18.3-18.8 GHz band (space-to-Earth) are not entitled to protection from co-primary terrestrial services until the period during which terrestrial Fixed Service stations remain co-primary has expired. 47 C.F.R. § 25.145(g).
6. The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the fixed-Satellite Services. Services within the United States over the satellite network of which this is a cooperating earth station are subject to coordination under US334 and operation of the earth station(s) authorized herein will be subject to any technical constraints resulting from this coordination.

	File # <u>SES-STA-20091202-01526</u>
	Call Sign <u>E070027</u> Grant Date <u>02/12/10</u> (or other identifier)
	Term Dates
	From <u>02/12/10</u> To <u>03/12/10</u>
	Appr. d:  Shahnaaz Ghavami

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:	-
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 or Submission ID			
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).			
<input checked="" type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee Other (please explain):			
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
Use Prior to Grant		<input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date			

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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

Call Signs: E070027 and E090076

DIRECTV Enterprises, LLC (“DIRECTV”) hereby requests Special Temporary Authority (“STA”) for up to 30 days to conduct in-orbit testing (“IOT”) and telemetry, tracking and control (“TT&C”) operations for the DIRECTV 12 satellite (call sign S2797) while at 76° W.L., from its Castle Rock, Colorado and New Hampton, New Hampshire earth stations (call signs E070027 and E090076, respectively). These earth stations are licensed to operate across the entire Ka band (18.3-18.8/19.7-20.2 GHz downlink, 28.35-28.6/29.25-30.0 GHz uplink), and include authorizations for TT&C operations.¹ DIRECTV requests that the STA be structured to begin upon arrival of the satellite at 76° W.L.

DIRECTV 12 is scheduled for launch in late December 2009. DIRECTV has requested temporary authority to conduct IOT of the Ka-band payload at 76° W.L. before moving the satellite to its operational orbital location.² The STA requested herein will support the IOT phase of the DIRECTV 12 mission. DIRECTV is requesting authority for two earth stations to ensure the maximum amount of flexibility in conducting these operations, and in the interest of redundancy should a problem arise with one of the antennas. DIRECTV will coordinate with potentially affected satellite operators in accordance with industry practice, and will operate on a non-interference basis.

The requested STA will serve the public interest by ensuring that the DIRECTV 12 satellite is properly tested to assure that it will operate safely and in good working order so that it can make productive use of valuable spectrum/orbital resources as soon as possible. Accordingly, DIRECTV respectfully requests that the Commission grant this STA request as expeditiously as possible.

¹ DIRECTV will use 29255.00 and 29497.00 MHz for its command uplinks and 18302.25 and 18302.75 MHz for its telemetry downlinks.

² See FCC File No. SAT-STA-20091201-00132.