

S2133

SAT-STA-20200221-00018

DIRECTV Enterprises, LLC

IB2020000437



File # SAT-STA-20200221-00018

Call Sign S2133 Grant Date 3/12/20

(or other identifier)

From 3/15/20 To: 60 Days

Approved: J.W. Whaley

*John W. Whaley  
Actions Chief  
Satellite Policy Branch*

Approved by OMB  
3060-0678

Date & Time Filed: Feb 21 2020 5:13:33:993PM

File Number: SAT-STA-20200221-00018

Callsign:

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:

60 day STA request to relocate SPACEWAY 2 (S2133) to 138.9W

1. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	310-964-4996
DBA Name:		Fax Number:	
Street:	1120 20th Street, NW Suite 1000	E-Mail:	spdulac@att.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036
Attention:	Steve Dulac		

**ATTACHMENT TO GRANT**  
**DIRECTV Enterprises, LLC**  
**IBFS File No. SAT-STA-20200221-00018**

<b>IBFS File No(s):</b> SAT-STA-20200221-00018 <b>Licensee/Grantee:</b> DIRECTV Enterprises, LLC (DIRECTV) <b>Call Sign:</b> S2133 <b>Satellite Name:</b> SPACEWAY 2 <b>Orbital Location:</b> 138.90° W.L. <b>(required station-keeping tolerance)</b> (± 0.025 degrees) <b>Administration:</b> United States of America <b>Nature of Service:</b> Fixed-Satellite Service (FSS) <b>Telemetry, Tracking, &amp; Command (TT&amp;C)</b>	<b>Scope of Grant:</b> Special temporary authority for a period of 60 days to conduct TT&C operations necessary to drift SPACEWAY 2 from the 99.075° W.L. orbital location to the 138.90° W.L. orbital location and to operate SPACEWAY 2 at 138.90° W.L. in inclined orbit mode upon its arrival at that orbital location.  <i>See Schedule S Tech Report (Item S6(d)) and GXT files in IBFS File No. SAT-MOD-20040614-00113.</i>	<b>GRANTED – With Conditions</b>  <b>International Bureau Satellite Division</b>
<b>Frequencies:</b> FSS 18.3-18.8 GHz (space-to-Earth) 19.7-20.2 GHz (space-to-Earth) 28.35-28.6 GHz (Earth-to-space) 29.25-29.5 GHz (Earth-to-space) 29.5-30.0 GHz (Earth-to-space)  Direct to Home FSS 19.7-20.2 GHz (space-to-Earth)  <u>Telemetry, Tracking, &amp; Command</u> 19.70175 GHz and 19.70275 GHz (space-to-Earth) 29.5039063 GHz and 29.5117189 GHz (Earth-to-space)		<b>Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:</b> <ol style="list-style-type: none"> <li>1. Operations pursuant to this special authority must be on an unprotected and non-harmful interference basis, i.e. the DIRECTV SPACEWAY 2 space station must not cause harmful interference to, and DIRECTV must not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, DIRECTV must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.</li> <li>2. DIRECTV must coordinate the operations of DIRECTV SPACEWAY 2 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during the drift to the 138.90° W.L. orbital location.</li> <li>3. DIRECTV may not provide payload services during the drift.</li> <li>4. Upon arrival at the 138.90° W.L. orbital location orbital location, DIRECTV must operate SPACEWAY 2 pursuant to the conditions in its current authorization, IBFS File No. SAT-MOD-20141029-00116.</li> <li>5. Any action taken or expense incurred as a result of this special temporary authority is solely at DIRECTV's own risk. This grant is without prejudice to any action taken in IBFS File No. SAT-MOD-20200221-00017.</li> </ol>

**ATTACHMENT TO GRANT**  
DIRECTV Enterprises, LLC  
IBFS File No. SAT-STA-20200221-00018

<b>Action Date:</b>	March 12, 2020	
<b>Term Dates</b>	<b>From:</b> March 12, 2020	<b>To:</b> period of 60 days
<b>Approved:</b>	 John J. Whaley Acting Chief, Satellite Policy Branch	

2. Contact

<b>Name:</b>	Jennifer D. Hindin		
<b>Company:</b>	Wiley Rein LLP		
<b>Street:</b>	1776 K St. NW		
<b>City:</b>	Washington		
<b>Country:</b>	USA		
<b>Attention:</b>			
<b>Phone Number:</b>	202-719-4975		
<b>Fax Number:</b>	202-719-7049		
<b>E-Mail:</b>	jhindin@wiley.law		
<b>State:</b>	DC		
<b>Zipcode:</b>	20006 -		
<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 SATMOD2020022100017 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).  
 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

138.9 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.)

DIRECTV Enterprises, LLC requests a grant of special temporary authority for 60 days commencing March 15, 2020 to drift its SPACEWAY 2 satellite (S2133) from its current orbital location at 99.075 W.L. to 138.9 W.L. and to operate the satellite at 138.9 W.L.

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  
Steve Dulac

11. Title of Person Signing  
Director, Content Technology & Regulatory Policy

12. Please supply any need attachments.

Attachment 1: Narrative

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.**

**EXHIBIT 1**  
**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

DIRECTV Enterprises, LLC, a wholly-owned subsidiary of AT&T, Inc., (collectively, "AT&T") respectfully request a grant of special temporary authority ("STA")<sup>1</sup> for 60 days commencing March 15, 2020 to drift its SPACEWAY 2 satellite (Call Sign S2133) from its current location at 99.075° W.L. to 138.9° W.L. and to operate the satellite in an inclined orbit at 138.9° W.L. AT&T is simultaneously filing a space station modification application to change the authorized orbital location of SPACEWAY 2 from 99.075°W.L. to 138.9° W.L.

SPACEWAY 2 is currently authorized to operate at 99.075° W.L.<sup>2</sup> The proposed relocation of SPACEWAY 2 to 138.9° W.L. will provide service across the state of Alaska and serve as Ka-band backup capacity for the C-band capacity currently used by AT&T Alaska.<sup>3</sup> Pending Commission approval, AT&T plans to relocate SPACEWAY 2 from 99.075° W.L. to 138.9° W.L. as early as March 15, 2020, and the drift period is expected to last approximately 30-35 days.

During the drift of SPACEWAY 2 from 99.075° W.L. to 138.9° W.L., AT&T will utilize only the satellite's telemetry, tracking, and command ("TT&C") frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. The specific TT&C frequencies are as follows:

- 19701.75 MHz and 19702.75 MHz (space-to-Earth); and
- 29503.9063 MHz and 29511.7189 MHz (Earth-to-space)

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<sup>1</sup> AT&T has filed this STA request, an FCC Form 159, and a filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-01062, File No. SAT-MOD-20141029-00116 (Jan. 9, 2015) (Public Notice) ("Relocation Modification").

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-01143, SAT-MOD-20151222-00086 (Mar. 18, 2016) (Public Notice).

Once relocated to 138.9° W.L., AT&T seeks authority to operate in the 18.3-18.8 GHz and 19.7-20.2 GHz (space-to-Earth) and 28.35-28.6 GHz and 29.25-30.0 GHz (Earth-to-space) frequency bands already licensed to SPACEWAY 2 at the 99.075° W.L. orbital location.<sup>4</sup>

Grant of this STA request will not result in increased risk of harmful interference. As noted above, AT&T will operate only the above-listed TT&C frequencies during the drift and will coordinate its TT&C transmissions with operators of satellites in the drift path. In the unlikely event that any interference should occur during the drift, AT&T will take all reasonable steps to eliminate such interference. Once on station at 138.9° W.L., AT&T will operate the communications payload in conformance with FCC rules and any relevant coordination agreements.

AT&T has assessed and limited the probability of the space station becoming a source of debris in accordance with 47 C.F.R. § 25.114(d)(14(iii)). AT&T is not aware of any other FCC-licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with SPACEWAY 2 at 138.9° W.L. AT&T is also not aware of any other system with an overlapping station-keeping volume with SPACEWAY 2 that is the subject of an ITU filing that is either in orbit or progressing towards launch.

Grant of this STA request will serve the public interest by ensuring availability of Ka-band services from the 138.9° W.L orbital location. Accordingly, AT&T respectfully requests that the Commission grant this request.

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<sup>4</sup> See Relocation Modification.