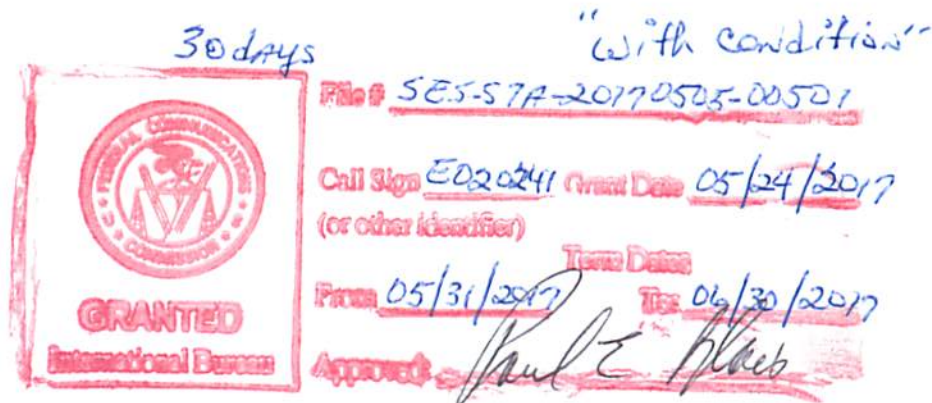


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to Provide LEOP Services to ViaSat-2 Satellite

1. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	301-663-0053
DBA Name:		Fax Number:	240-358-0569
Street:	6050 Elmer Derr Rd	E-Mail:	jw0854@att.com
City:	Frederick	State:	MD
Country:	USA	Zipcode:	21703 -
Attention:	Jack Wengryniuk		



Applicant: DIRECTV Enterprises, LLC
File No.: SES-STA-20170505-00501
Call Sign: E020241
Special Temporary Authority

DIRECTV Enterprises LLC is granted special temporary authority for 30 days, beginning on May 31, 2017, to operate its fixed earth station in Canoga, California, (call-sign: E020241) to provide launch and early orbit phase services (LEOP) for the ViaSat-2 satellite at 69.90° W.L., licensed by United Kingdom, using the following frequencies: 29501 MHz and 29999 MHz (Earth-to-space) and 18301 MHz and 18303 MHz (space-to-Earth), under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. Currently the 24x7 contact information for the ViaSat-2 satellite LEOP mission is as follows: Ph.: (703) 559-7701 -East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
3. All operations shall be on an unprotected and non-harmful interference basis, DIRECTV Enterprises LLC, shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future DIRECTV Enterprises LLC applications.
5. This STA can only be used to provide launch and early orbit phase ("LEOP") services for the ViaSat-2 satellite.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

30 days *"with conditions"*


 GRANTED International Bureau	File # <u>SES-STA-20170505-00501</u>
	Call Sign <u>E020241</u> Grant Date <u>05/24/2017</u> (or other identifier)
	From <u>05/31/2017</u> To <u>06/30/2017</u>
	Approved: <i>Paul E. Riley</i>

EXHIBIT A

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) herein requests a grant of Special Temporary Authority (“STA”)¹ for thirty (30) days, commencing upon launch of the ViaSat-2 satellite, to use its Canoga Park, California Ka-band earth station (Call Sign E020241) to provide launch and early orbit phase (“LEOP”) services for the ViaSat-2 satellite. ViaSat-2 is expected to be launched no earlier than May 31, 2017.² Although the LEOP period is expected to last approximately 180 days, this STA is required only for the period of time during which another earth station is unavailable. STA is not required for the full duration of the 180-day LEOP mission.

The ViaSat-2 LEOP operations will be performed in the following frequencies: 29.501 GHz and 29.999 GHz (RHCP) in the uplink, and 18.301 GHz and 18.303 GHz (RHCP) in the downlink.³ The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24/7 contact information for the ViaSat-2 LEOP mission is as follows: (703) 559-7701 – East Coast Operations Center (primary), or (310) 525-5591 – West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.

Finally, DIRECTV clarifies that during the ViaSat-2 mission, Boeing will serve as the mission manager. Boeing will build and send the commands to the DIRECTV antenna, which will process and execute the commands. Telemetry received by DIRECTV will be forwarded to Boeing. DIRECTV will perform the ranging sessions by sending a tone to the spacecraft periodically. DIRECTV will remain in control of the baseband unit, RF equipment, and antenna.⁵

Grant of this STA request will allow DIRECTV to help launch the ViaSat-2 satellite. This, in turn, will help provide services at the 69.9° W.L. orbital location, thereby promoting the public interest.

¹ DIRECTV has filed this STA request, an FCC Form 159, and a \$200.00 filing fee electronically via the International Bureau’s Filing System.

² The in-orbit testing and the permanent orbital location of ViaSat-2, which DIRECTV understands is licensed by the United Kingdom, will be 69.9° W.L.

³ Because DIRECTV’s Canoga Park earth station is not permanently authorized or currently equipped to receive in the 18.301 GHz and 18.303 GHz frequencies, the necessary ground equipment will be temporarily installed at the facility to enable reception in these frequencies.

⁴ Boeing, the manager of the ViaSat-2 LEOP mission, will handle the coordination.

⁵ DIRECTV will be contracting with a third party, Intelsat, to operate the antenna. The 24/7 contact information provided above is for Intelsat.

EXHIBIT B
REQUEST FOR WAIVER

The legal and technical qualifications of the ViaSat-2 satellite have been approved by the Commission and are included herein by reference. Specifically, the legal information requested in Section 25.137 and the technical information requested in Section 25.114, including the Schedule S information, for the ViaSat-2 satellite can be found in ViaSat Inc.'s granted request to add the satellite to the Permitted Space Station List. *See Policy Branch Information; Actions Taken*, Report No. SAT-01210, File No. SAT-MOD-20160527-00053 (Jan. 13, 2017) (Public Notice).

To the extent necessary, however, DIRECTV respectfully requests a waiver of the need to provide additional technical information under Section 25.114 of the Commission's rules for its proposed LEOP service.¹ The Commission may grant a waiver for good cause shown.² The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.³ In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.⁴ Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule and such a deviation will serve the public interest.

In this case, good cause exists for a waiver of Section 25.114. DIRECTV has provided in this STA request the technical information that is relevant to the LEOP services for which DIRECTV seeks authorization. The remainder of the information sought by Section 25.114 is not required to determine potential harmful interference because DIRECTV will perform the LEOP services on a non-interference basis. Nor is it required to protect adjacent satellites because LEOP service involves communications *prior* to the satellite attaining its final location in the geostationary orbit. In other words, during the LEOP mission, the earth station will not be communicating with a satellite permanently located in the geostationary orbit. Rather, it will be transmitting to a satellite traveling on its "transfer orbit" or "LEOP path," which starts immediately following its separation from a launch vehicle, and ends when the satellite reaches its geostationary orbital location. In the special circumstance of LEOP services, waiver of the need to provide additional technical information under Section 25.114 serves the public interest.

¹ 47 C.F.R. § 25.114.

² 47 C.F.R. § 1.3.

³ *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) ("*Northeast Cellular*").

⁴ *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular*, 897 F.2d at 1166.

2. Contact	
Name: Jennifer Hindin	Phone Number: 202-719-4975
Company: Wiley Rein LLP	Fax Number: 202-719-7049
Street: 1776 K Street, NW	E-Mail: jhindin@wileyrein.com
City: Washington	State: DC
Country: USA	Zipcode: 20006 -
Attention:	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?	
<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 CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Canoga Park	8. Latitude (dd mm ss.s h) 34 15 10.3 N

9. State CA	10. Longitude (dd mm ss.s h) 118 35 39.1 W
11. Please supply any need attachments. Attachment 1: Exhibit A Attachment 2: Exhibit B Attachment 3:	
12. 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">DIRECTV Enterprises, LLC requests a grant of special temporary authority for 30 days commencing upon launch of the ViaSat-2 satellite to use its Canoga Park, California earth station (Call Sign E020241) to provide launch and early orbit phase services for the ViaSat-2 satellite.</div>	
13. 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	
14. Name of Person Signing Jack Wengryniuk	15. Title of Person Signing Senior Director
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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