

Approved by OMB
3060-0678



File # SAT-STA-20171108-0015

Call Sign S2834 Grant Date 11/9/17
(or other identifier)

Term Dates
From 11/9/17 To: 1/8/18

Approved: Kathryn Madley
Chief Spelling Eng

Date & Time Filed: Nov 8 2017 3:27:16:573PM

File Number: SAT-STA-20171108-00152

Callsign:

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

Br.

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Virgin Islands Satellite STA

1. Applicant	
Name: Hughes Network Systems, LLC	Phone Number: 301-428-5893
DBA Name:	Fax Number: 301-428-2818
Street: 11717 Exploration Lane	E-Mail: jennifer.manner@echostar.com
City: Germantown	State: MD
Country: USA	Zipcode: 20876 -
Attention: Jennifer A Manner	
2. Contact	
Name: Hughes Network Systems, LLC	Phone Number: 301-428-5893
Company:	Fax Number: 301-428-2818
Street: 11717 Exploration Lane	E-Mail: jennifer.manner@echostar.com
City: Germantown	State: MD
Country: USA	Zipcode: 20876 -
Attention:	Relationship:
(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 CRY - Space Station (Geostationary)	
5. Type Request	

Emergency STA Conditions of Grant SAT-STA-20171108-00152

Company: Hughes Network Systems, LLC

Name/Title: Jennifer Manner,

Telephone: 301-428-5893

E-mail: jennifer.manner@echostar.com;

Hughes' request for Special Temporary Authority to extend service coverage to the USVI using the EchoStar XIX satellite (call sign S2834) is GRANTED WITH CONDITIONS. This authority begins November 9, 2017 and ends January 8, 2017.

1. All operations under this STA are on an unprotected and non-harmful interference basis.
2. All operations must be in accordance with the conditions of grant for IBFS file no. SAT-LOA-20160624-00061 (Call Sign S2834).

Earth-to-Space Frequency (E-S Transmit)	Space-to-Earth Frequency (E-S Receive)
28350-28600 GHz	18300-18800 GHz
29250-30000 GHz	19700-20200 GHz

3. Earth Station operations must be in accordance with the conditions of operation contained in File No. SES-MOD-20170726-00811, call sign E060445.
4. Hughes must coordinate its earth station locations so that no harmful interference is caused to any other lawfully operating satellites or radiocommunication systems by contacting the following personnel:
FCC: Juan Silva (214) 808-8363, and/or
FEMA: Jarrett Devine (Jarrett.Devine@fema.dhs.gov).
Hughes must cease operations immediately upon notification of harmful interference and inform the Commission in writing immediately of such an event.
5. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at Hughes's own risk.
6. The grant of the verbal STA request was issued in accordance with emergency procedures put in place to provide communications in areas affected by Hurricane Maria.
7. This STA may be terminated at the International Bureau's discretion, without a hearing, if conditions warrant. Under no circumstances may the facility(ies) authorized violate the terms of an international agreement or treaty. If an application for permanent authority is on file with the Commission, this action is taken without prejudice to that application. The applicant is required to post and/or retain a copy of this authorization as required by the Commission's Rules.

8. This grant 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.

Granted by

Kathryn Medley

Kathryn Medley, Chief
Satellite Engineering Branch



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(or other identifier)

Term Dates
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Approved: *Kathryn Medley*

*with conditions

Chief, Satellite Engg B.

<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	
8. Description Seeking 60 day STA to operate EchoStar XIX aka JUPITER 2 to extend service coverage to the US Virgin Islands. See Exhibit 1.		
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. <i>See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.</i>		
		<input checked="" type="radio"/> Yes <input type="radio"/> No
10. Name of Person Signing Jennifer A. Manner	11. Title of Person Signing Senior Vice President, Regulatory Affairs	
12. Please supply any need attachments.		
Attachment 1: Exhibit 1	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).		

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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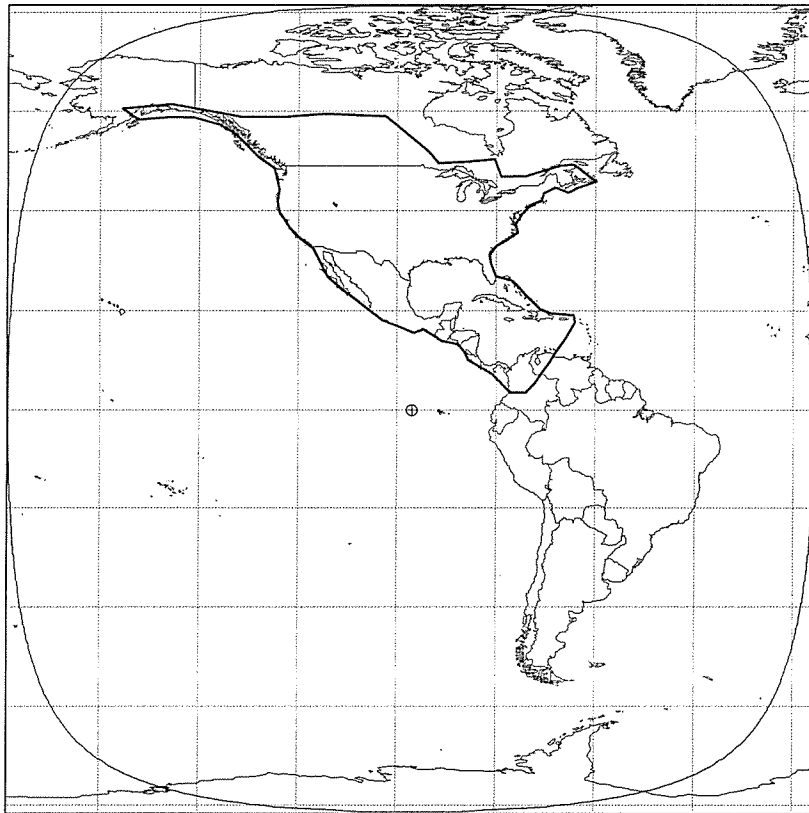
THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

EXHIBIT 1

REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION (Response to Question 8, STA Form)

Pursuant to Section 25.120(b)(3) of the Commission's rules,¹ Hughes Network Systems, LLC (together with its affiliates, "Hughes") requests special temporary authorization ("STA") for 60 days to operate EchoStar XIX (a/k/a JUPITER 2) (Call Sign S2834),² a Ka-band fixed-satellite service satellite, to extend service coverage to the U.S. Virgin Islands, as shown in Figures 1 and 2 below.³

Figure 1: EchoStar XIX Service Coverage Including U.S. Virgin Islands

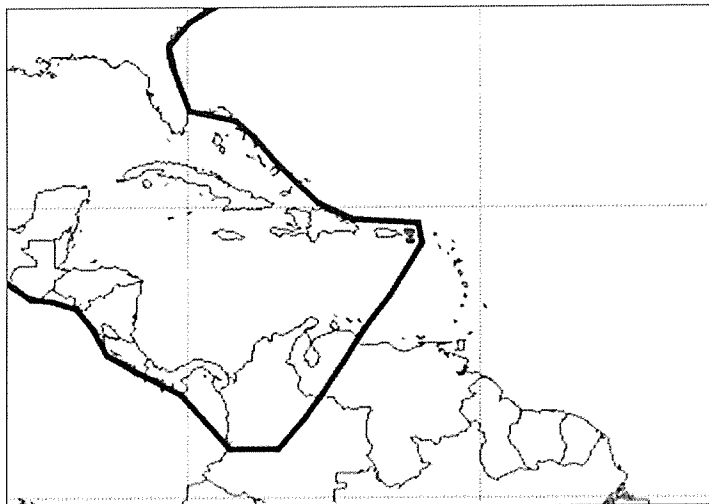


¹ See 47 C.F.R. § 25.120(b)(3).

² See Hughes, Application for Authority to Operate, IBFS File No. SAT-LOA-20160624-00061 (granted Sept. 15, 2016) ("EchoStar XIX Authorization").

³ Hughes shortly will file a modification application for long-term authority to extend service coverage to the U.S. Virgin Islands.

Figure 2: Detailed EchoStar XIX Service Coverage of U.S. Virgin Islands



The requested STA will allow use of the EchoStar XIX satellite for communications with earth terminals authorized under an existing blanket license, Call Sign E060445, to support recovery operations in the Caribbean following Hurricane Maria. In the wake of Hurricane Maria, vast portions of the U.S. Virgin Islands lost wireless coverage, leaving residents without cellphone service.⁴ As the Commission recently noted, substantial numbers of cell sites in the U.S. Virgin Islands remain out of service.⁵

Grant of the requested STA will serve the public interest by allowing use of available capacity on EchoStar XIX for broadband service to existing user terminals authorized under Call Sign E060445, including 74 cm, 90 cm, and 98 cm earth terminals. Such service will be used primarily by federal and local government organizations, including the Federal Emergency Management Agency, the U.S. Department of Interior, and the U.S. Department of Agriculture, to provide communications for

⁴ See Jeremy W. Peters, *In the Virgin Islands, Hurricane Maria Drowned What Irma Didn't Destroy* (Sept. 27, 2017), <https://www.nytimes.com/2017/09/27/us/hurricane-maria-virgin-islands.html>.

⁵ See FCC, *Communications Status Report for Areas Impacted by Hurricane Maria* (Nov. 6, 2017), http://transition.fcc.gov/Daily_Releases/Daily_Business/2017/db1106/DOC-347626A1.pdf.

emergency or recovery operations or to re-establish communications at existing facilities. Moreover, service will be provided to user terminals that are already authorized under Call Sign E060445 to operate in the U.S. Virgin Islands.⁶

Hughes proposes no change to the authorized technical parameters of the EchoStar XIX satellite.⁷ Rather, Hughes merely seeks a modest extension of EchoStar XIX's authorized service coverage to include the U.S. Virgin Islands, subject to existing authorized technical parameters⁸. Moreover, user terminals communicating with EchoStar XIX will operate pursuant to technical parameters authorized under Call Sign E060445. Accordingly, there are no interference concerns with the proposed STA operations. In any event, the proposed STA operations will be conducted on an unprotected, non-harmful interference basis.

⁶ See Hughes, IBFS File No. SES-MOD-2017072600811 (granted Oct. 11, 2017).

⁷ EchoStar XIX's authorized service coverage currently includes Puerto Rico. See EchoStar XIX Authorization.

⁸ This is also consistent with the supporting ITU filings for the EchoStar XIX satellite – *i.e.*, RAGGIANA-5 and USASAT-71P, which were filed with a full hemispherical coverage.