

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Earth Station STA Application (Saint Croix, VI)

1. Applicant

<b>Name:</b>	Spire Global, Inc.	<b>Phone Number:</b>	415-356-3400 x351
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	33 Norfolk Street	<b>E-Mail:</b>	jonathan.rosenblatt@spire.com
<b>City:</b>	San Francisco	<b>State:</b>	CA
<b>Country:</b>	USA	<b>Zipcode:</b>	94103
<b>Attention:</b>	Jonathan Rosenblatt		



File # SES-STA-20160324-00290  
Call Sign E160044 Grant Date 4-27-16  
(or other identifier)  
From: 4-27-16 Term-Dates To: 6-26-16  
Approved: Paul E. Hales

Applicant: Spire Global, Inc.  
File No.: SES-STA-20160324-00290  
Call Sign: E160044  
Special Temporary Authority (STA)



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Term Dates  
From: 4-27-16 To: 6-26-16  
Approved: Paul E. Blair

Spire Global Inc. (Spire Global) is granted STA for 60 days to operate its earth station in Saint Croix, U.S.V.I with nine LEMUR 2 Phase 1 non-geostationary orbit (NGSO) satellites in: 1) 402-403 MHz (Earth-to-space) frequency band to transmit command signals; 2) 402-403 MHz (space-to-Earth) frequency band to receive telemetry and tracking signals and as a backup Data Donwlink channel; and 3) 2020-2025 MHz (space-to-Earth) frequency band to receive digital data on the following conditions:

1. The STOP BUZZER POC information, for launch operations shall be provided to NTIA ([bmitchell@ntia.doc.gov](mailto:bmitchell@ntia.doc.gov)) and DOC/NOAA ([alfredo.mistichelli@noaa.gov](mailto:alfredo.mistichelli@noaa.gov)). This phone shall be manned 24/7.
2. Spire shall be aware that future non-federal licenses/STA's for additional earth stations or satellites will be considered on a case-by-case basis, especially for requests in the band 402-403 MHz, and Spire shall have no expectations that future licenses will be approved. For future missions, transition of TT&C links out of the 402-403 MHz band is recommended.
3. Operations will be limited to the coordinated power and emissions.
4. In the event of any harmful interference as a result of operations under this grant of STA, Spire Global shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
5. All operations shall be on an unprotected, non-interference basis to both government and non-government operations.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Spire Global's own risk.
7. Spire Global's point of contact for the STA operation is telephone number 1(415) 356-3400 extension 307, San Francisco, California and must be available while the frequencies are in use.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding any pending or future Spire Global applications.

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.

**2. Contact**

**Name:** Trey Hanbury **Phone Number:** 202-637-5534  
**Company:** Hogan Lovells US LLP **Fax Number:**  
**Street:** 555 13th Street, NW **E-Mail:** trey.hanbury@hoganlovells.com  
**City:** Washington **State:** DC  
**Country:** USA **Zipcode:** 20004 -  
**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 SESLIC2016031700258 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 CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant  Change Station Location  Other

6. Requested Use Prior Date

04/08/2016

7. City Saint Croix	8. Latitude (dd mm ss.s h) 17 45 43.12 N
9. State VI	10. Longitude (dd mm ss.s h) 64 53 6.01 W
11. Please supply any need attachments. Attachment 1: Narrative Attachment 2: 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.) Applicant seeks special temporary authority to commence operation of this earth station for 60 days, pending FCC action on the request for regular authority for this earth station.	
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. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Jonathan Rosenblatt	15. Title of Person Signing General Counsel
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**

Spire Global, Inc. (“Spire”) hereby requests special temporary authority (“STA”) for 60 days,<sup>1</sup> beginning April 8, 2016, to commence operations of the earth stations identified in Attachment 1 to this exhibit, consistent with the technical parameters specified in the associated, pending applications for regular authority.<sup>2</sup> The applications for regular or permanent authority to operate the earth stations cannot be processed and granted prior to the deployment of the nine LEMUR satellites that are aboard the Atlas V (Cygnus) vehicle that was launched on March 22, 2016.<sup>3</sup> Accordingly, an STA is necessary for Spire to communicate with those satellites, including for in-orbit testing and transmission of telemetry, tracking, and command signals. The Commission has previously found that the grant of earth station STAs to communicate with satellites, pending the processing of permanent applications, serves the public interest, convenience, and necessity by allowing for the deployment of new and additional satellite services in a timely manner.<sup>4</sup> For these same reasons, the FCC should grant this STA allowing Spire to bring into service the nine LEMUR satellites in a timely manner.<sup>5</sup>

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<sup>1</sup> See 47 C.F.R. § 25.120(b)(3).

<sup>2</sup> See Attachment 1 (identifying the applicable IBFS file number for each earth station application for regular authority). Spire is contemporaneously submitting separate STA applications for each earth station. To the extent necessary, Spire incorporates by reference the waivers requested in the associated earth station applications for regular authority.

<sup>3</sup> See Stamp Grant, Spire Global, Inc., SAT-LOA-20151123-00078 (granted Mar. 18, 2016).

<sup>4</sup> See, e.g., Stamp Grant, DG Consents Sub, Inc., SES-STA-20140717-00605 (granted Aug. 12, 2014); Stamp Grant, EchoStar Broadcasting Corporation, SES-STA-20130108-00019 (granted Jan. 10, 2013); Stamp Grant, Inmarsat Hawaii Inc., SES-STA-20080311-00275 (granted Apr. 4, 2008).

<sup>5</sup> Spire understands that its authorized operations will be on an unprotected, non-harmful interference basis.

**Attachment 1**  
**Earth Station Information**

Site Address	Latitude	Longitude	IBFS File No.
2347 Azurite Court Anchorage, AK	61° 8' 46.74" N	149° 50' 16.31" W	SES-LIC-20160317-00248
4680 Conference Way S #150 Boca Raton, FL	26° 23' 21.30" N	80° 6' 32.46" W	SES-LIC-20160317-00249
3060 Flying View Ellicott, CO	38° 52' 25.58" N	104° 24' 26.10" W	SES-LIC-20160317-00246
155 Locust Street Hartford, CT	41° 44' 42.27" N	72° 39' 54.66" W	SES-LIC-20160317-00247
N/A Juneau, AK	58° 21' 50.65" N	134° 36' 21.52" W	SES-LIC-20160317-00250
93-1704 South Point Road Naalehu, HI	19° 0' 50.90" N	155° 39' 46.78" W	SES-LIC-20160317-00251
312 Route 2A Shell Fuel Farm Road Piti, Guam	13° 24' 56.30" N	144° 41' 15.10" E	SES-LIC-20160317-00252
904 Quality Way Richardson, TX	32° 57' 58.38" N	96° 42' 41.58" W	SES-LIC-20160317-00255
23 Estate Northside Saint Croix, Virgin Islands	17° 45' 43.12" N	64° 53' 6.01" W	SES-LIC-20160317-00258
466 8th Street San Francisco, CA	37° 46' 22.15" N	122° 24' 27.80" W	SES-LIC-20160317-00257
33 Norfolk Street San Francisco, CA	37° 46' 16.20" N	122° 24' 50.42" W	SES-LIC-20160317-00254
3433 S 120th Place Tukwila, WA	47° 29' 39.15" N	122° 17' 18.55" W	SES-LIC-20160317-00253
7202 S. Campus View Drive West Jordan, UT	40° 37' 12.47" N	111° 59' 9.98" W	SES-LIC-20160317-00256