

July 25, 2018

**VIA IBFS**

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

**Re: Notice of Deployment**  
**IBFS File No. SAT-AMD-20161114-00107 (Call Sign S2946)**

Dear Ms. Dortch:

By this letter, Spire Global, Inc. ("Spire") provides notification to the Federal Communications Commission that on July 15, 2018 four (4) LEMUR-2 satellites were deployed into a 488 km x 477 km orbital altitude (51.6 deg) from the Cygnus resupply spacecraft, which was launched on board the Orbital ATK Antares launch vehicle from Wallops, Virginia.<sup>1</sup>

Spire has now deployed twenty-eight (28) of its twenty-eight (28) Phase IB and twelve (12) of its seventy-two (72) Phase IC LEMUR-2 satellites, and those satellites are operating consistent with Spire's license authorization.<sup>2</sup>

Spire thanks the Commission for working tirelessly to help get the mission, which includes Spire's first ADS-B payloads for aviation monitoring,<sup>3</sup> approved.

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<sup>1</sup> See Hanneke Weitering, *Cygnus Spacecraft Leaves the Space Station After Giving It an Orbital Boost* (July 15, 2018), <https://www.space.com/41172-cygnus-leaves-space-station-orbital-boost.html>.

<sup>2</sup> See Stamp Grant, Spire Global, Inc., IBFS File No. SAT-AMD-20161114-00107 (granted in part and deferred in part Apr. 7, 2017); Stamp Grant, Spire Global, Inc., IBFS File No. SAT-AMD-20161114-00107 (granted in part and deferred in part May 18, 2017); Stamp Grant, Spire Global, Inc., IBFS File No. SAT-AMD-20161114-00107 (granted in part and deferred in part July 13, 2017).

<sup>3</sup> See *NanoRacks Customer Payloads on Orbital-ATK-9*, NanoRacks, <http://nanoracks.com/wp-content/uploads/NanoRacks-Payloads-on-OA-9-1.pdf> (last viewed July 25, 2018).

Please direct any questions regarding this filing to the undersigned.

Respectfully submitted,

/s/ George John

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