

April 6, 2016

**VIA IBFS**

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

Re: Spire Global, Inc.  
Supplement to Earth Station License Applications  
IBFS File Nos. SES-LIC-20160317-00246; SES-LIC-20160317-00247;  
SES-LIC-20160317-00248; SES-LIC-20160317-00249; SES-LIC-20160317-00250;  
SES-LIC-20160317-00251; SES-LIC-20160317-00252; SES-LIC-20160317-00253;  
SES-LIC-20160317-00254; SES-LIC-20160317-00255; SES-LIC-20160317-00256;  
SES-LIC-20160317-00257; SES-LIC-20160317-00258

Dear Ms. Dortch:

Spire Global, Inc. (“Spire”) hereby requests that the International Bureau (“Bureau”) replace the previously submitted radiation hazard report, associated with the above-referenced applications, with the contemporaneously-filed, revised radiation hazard report, which corrects the antenna size. Additionally, Spire clarifies its response to question E50 on the Form 312 Schedule B of each of the applications.

The Spire earth stations both transmit and receive in the 402-403 MHz band. *See, e.g.*, IBFS File No. SES-LIC-20160317-00246, Exhibit B (filed Mar. 17, 2016); *see also* IBFS File No. SAT-LOA-20151123-00078, Exhibit B (granted in part Mar. 25, 2016). The frequencies will be used for command (Earth-to-space), telemetry and tracking (space-to-Earth), and backup digital data transmissions (space-to-Earth). Certain earth stations also will be equipped with a receive-only antenna operating in the 2020-2025 MHz band, which serves as Spire’s primary digital data link (space-to-Earth).

For the Bureau’s convenience, Spire clarifies that its specific responses to question E50 of the Form 312 Schedule B should be as follows:

- 402-403 MHz band (Earth-to-space) – “command”
- 402-403 MHz band (space-to-Earth) – “telemetry and tracking and digital data”
- 2020-2025 MHz band (space-to-Earth) – “digital data”

Please contact the undersigned if you have any questions regarding this letter.

Respectfully submitted,

/s/ Trey Hanbury

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