



Joseph Fagnoli, CTO
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VIA IBFS

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

Dear Ms. Dortch:

On June 26, 2017, Spire Global, Inc. (Spire) filed comments regarding the pending application (Application) of Theia Holdings A, Inc. (Theia) for Federal Communications Commission (Commission) authority to launch and operate a non-geostationary orbit satellite constellation that, among other things, would employ a synthetic aperture radar (SAR) operating in the 1215-1300 MHz band.¹ In its comments, Spire requested that the Commission require Theia to coordinate its SAR operations with Spire, which passively monitors the GPS L2 (1217.37-1237.83 MHz) band and hopes to monitor the GLONASS L2 (1237.8-1254.2 MHz) and Galileo E5 (1166.215-1217.375 MHz) bands for its GNSS-Radio Occultation operations.²

Thereafter, Theia and Spire engaged in additional coordination discussions, and Theia provided Spire further information regarding the design and operational parameters of its SAR. On June 1, 2018, Theia filed a letter amending its application and adopting certain measures (SAR Conditions) to mitigate the risk of interference to Radionavigation-Satellite Service receivers.³

Upon reviewing the information regarding the SAR parameters and the letter amendment adopting the SAR Conditions, Spire concluded that it no longer had concerns regarding Theia's proposed operations. As a result, the Commission need not impose any requirement that Theia further coordinate its operations with Spire.

Theia provided this letter to Spire prior to its submission, and Spire has authorized Theia to submit the letter to complete the record with respect to Spire's comments on the Application. Should

¹ See Comments of Spire Global, Inc., IBFS File No. SAT-LOA-20161115-00121 (filed June 26, 2017).

² *Id.* at 5.

³ Letter from Joseph Fagnoli, Chief Technology Officer, Theia Group, Inc., to Marlene H. Dortch, Secretary, FCC, IBFS File No. SAT-LOA-20161115-00121 (filed June 1, 2018).



THEIA GROUP, INCORPORATED

you have any questions regarding the foregoing or require additional information, please contact the undersigned.

Sincerely,

/s/ Joseph Fargnoli

Joseph Fargnoli
Chief Technology Officer

cc: George John, Lead Legal and Regulatory Counsel, Spire Global, Inc.