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Spire Global Awarded \$28 Million NOAA Contract to Advance Hyperspectral Microwave Sounding Technology

Two-year agreement builds on Spire's on-orbit HyMS capabilities to advance next-generation observations toward operational use

VIENNA, Va.--(BUSINESS WIRE)-- [Spire Global, Inc.](#) (NYSE: SPIR) ("Spire" or "the Company"), a global provider of satellite data, analytics, and intelligence, has been awarded a two-year, \$28 million contract by the National Oceanic and Atmospheric Administration (NOAA) to advance hyperspectral microwave sounding technology toward operational use for weather forecasting.

Under the agreement, Spire will use its existing technology stack to build and qualify a matured satellite and hyperspectral microwave sounder payload through flight readiness. The system will be tailored to an orbit designed to support NOAA's weather forecasting needs and enable analysis of the impact of hyperspectral microwave observations on numerical weather prediction and resilience to radio frequency interference.

The award represents the next step toward demonstrating that advanced hyperspectral microwave sounding can be delivered from a smaller, commercially developed satellite platform, with operational capability targeted to begin no later than 2030.

"Hyperspectral microwave sounding has the potential to change what's possible in weather forecasting," said Theresa Condor, Chief Executive Officer at Spire Global. "By bringing this advanced capability to a commercial satellite platform, we can deliver richer observations of the atmosphere at the scale and speed needed to make a meaningful difference in forecasting. We're proud to continue our work with NOAA, combining their mission expertise with our ability to rapidly develop and deploy new technology. By accelerating the next generation of weather observations, we can give forecasters a clearer picture of what's happening in the atmosphere, sooner, and greater confidence in predicting what comes next."

Spire launched its first-of-its-kind HyMS demonstrator in January 2026 to validate hyperspectral microwave sounding in a compact form factor in orbit. Earlier this month, NOAA awarded Spire a \$3 million contract extension focused on continued evaluation of data from the existing demonstrator across a broader range of atmospheric conditions and seasonal weather patterns. This new two-year agreement expands that work, advancing the technology beyond on-orbit demonstration and toward the scale required for operational weather observations.

About Spire Global, Inc.

Spire (NYSE: SPIR) is a global provider of space-based data, analytics and space services, offering unique datasets and powerful insights about Earth so that organizations can make decisions with confidence in a rapidly changing world. Spire builds, owns, and operates a fully deployed satellite constellation that observes the Earth in real time using radio frequency technology. The data acquired by Spire's satellites provides global weather intelligence, ship and plane movements, and spoofing and jamming detection to better predict how their patterns impact economies, global security, business operations and the environment. Spire also offers Space as a Service solutions that empower customers to leverage its established infrastructure to put their business in space. Spire has offices across the U.S., Canada, UK, Luxembourg and Germany. To learn more, visit spire.com.

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