January 20, 2022

Redwire Successfully Delivers Tranche 0 L-Band Helical Antenna System for SDA Transport Layer

JACKSONVILLE, Fla.--(BUSINESS WIRE)-- Redwire Corporation (NYSE: RDW), a leader in space infrastructure for the next generation space economy, announced today that it has successfully delivered its L-Band Link-16 Helical Antenna system for the Space Development Agency's (SDA) first generation of the National Defense Space Architecture's Transport Layer, Tranche 0. The system was shipped ahead of schedule and provides unprecedented performance given its stowed volume. The delivery follows acceptance testing comprised of environmental validation and RF performance.

Redwire is under contract with one of two teams awarded contracts in August 2020 to build 10 satellites capable of sending and receiving wideband data to and from ground-mobile users, other space vehicles and ground stations. Redwire is responsible for the system design, testing, manufacturing and flight hardware deliveries of three Link-16 antennas. The antennas will enable beyond line-of-sight communications for the warfighter using the Link-16 tactical network.

"Redwire is proud to be providing next-generation technology for our customer in support of the Transport Layer Tranche 0," said Ben Wilmhoff, Chief RF Engineer at Redwire. "The L-Band Helical Antenna is the result of years of research and development of advanced antenna systems alongside industry and top-tier military customers."

The L-band helical antenna is a lightweight, compact, ultra-wideband antenna for space-based tactical communications. It interfaces to L-Band radios that support wideband frequency-hopping tactical networking. Redwire's two-meter-long deployable helical RF aperture is extended and supported on-orbit by Redwire's slit-tube composite ROC™ boom, a product the company has successfully demonstrated in space on three other antenna systems for military customers and developed through an Air Force SBIR Commercialization Readiness Program.

Redwire's antenna technology was selected for the original Link-16 space demonstration mission, called XVI, which was primed by Viasat and funded by the Air Force Research Laboratory (AFRL). AFRL has additional investments in Redwire's antenna technology through an AFWERX Space Pitch Day award. This award allowed Redwire to demonstrate advanced passive and active antennas for Tranche 1 and future Transport Layer Tranches. Redwire continues to evolve and develop antennas for tactical communications and RF sensing applications.

About Redwire

Redwire Corporation (NYSE: RDW) is a leader in space infrastructure for the next

generation space economy, with valuable IP for solar power generation and in-space 3D printing and manufacturing. With decades of flight heritage combined with the agile and innovative culture of a commercial space platform, Redwire is uniquely positioned to assist its customers in solving the complex challenges of future space missions. For more information, please visit www.redwirespace.com.

View source version on businesswire.com:
https://www.businesswire.com/news/home/20220120005576/en/

Media Contact:
Tere Riley
Tere.Riley@redwirespace.com
321-831-0134
OR
Investors:
Michael Shannon
investorrelations@redwirespace.com
904-425-1431

Source: REDWIRE-CORPORATION