

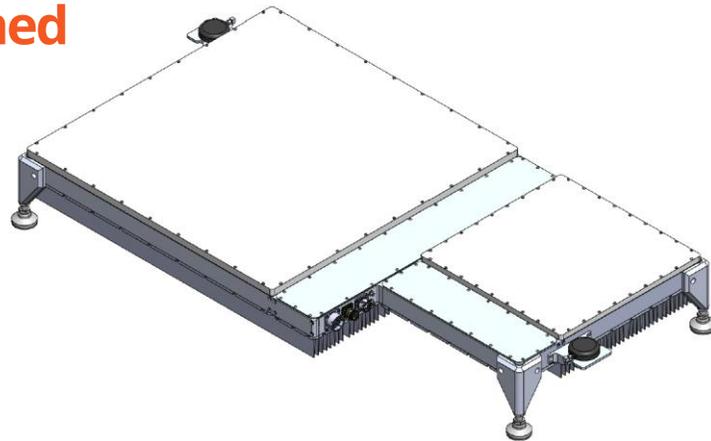
CPO 61 SBIR 22.3 Phase II IERUS SATCOM

Project Summary

SOFWERX, in collaboration with the United States Special Operations Command (USSOCOM), Special Operations Forces Acquisition, Technology, and Logistics (SOF AT&L), Program Executive Office Special Reconnaissance (PEO-SR), and the Small Business Innovation Research (SBIR) Program Office, awarded a SBIR Phase II project to develop, prototype, test, and deliver a novel phased array ground terminal aperture architecture that was both scalable and mission-set reconfigurable. The prototype was developed in accordance with the Contractor's proposal S2-0723, titled "Lens Antennas for Resilient Satellite Communications (SATCOM)."

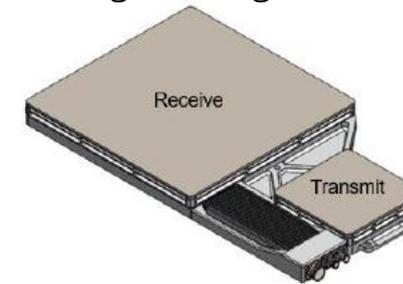
Resources Consumed

CPO 61: \$ 1,548,360
CPO 71: \$ 1,006,646
CPO 85: \$ 504,710
Total Cost: \$ 3,059,716



Project Timeline

Project Kickoff:	23 October 2023
Critical Design Review:	28 March 2024
Vendor Final Report & Design Package:	25 July 2025



Project Results

SOFWERX successfully managed the delivery of a complete technical design package, bills of materials, and hardware developed throughout the course of the effort. While available SBIR funding was not sufficient for full manufacturing and delivery of a completed SATCOM antenna system, the vendor continued pursuing additional Department of War (DoW) funding avenues to complete prototype delivery. The resulting technology supported future capability development to provide reliable communications while on the move as a SATCOM Tactical On-The-Move (OTM) Lens Antenna (STOLA) solution.