

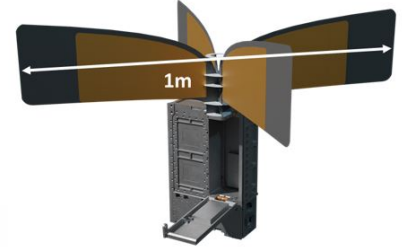


SPACE SENSOR – ULTRAWIDEBAND (UWB) DEPLOYABLE ANTENNA



The Redwire Company's UWB Deployable Antenna offers unprecedented compaction / deployment ratios given the bandwidths it delivers.

The antenna offers gain and impedance bandwidth of 15:1 or more. The configuration shown here operates from VHF through L-band, though frequency customization is available. The broad band / broad beam performance and superior compaction ratio is an excellent choice for smallsat space sensor missions.



APPLICATIONS

- + SIGINT
- + Broadband / broadbeam sensing
- + COMMs
- + Smallsat missions



PARAMETERS

1M (3.28 FT)

Cross Length

Stows in 1x1x2 U CubeSat Form Factor

Packaging

< 0.25 HZ

Stiffness

High-Strain Composites Deployment and Space-Grade Beryllium Copper Radiating Aperture

Materials

Aperture is customizable for varying frequency and polarization requirements

Space Antennas are export controlled through an ECCN (Export Control Classification Number) issued by the United States Department of Commerce, ECCN 7A104. Export shipment requires successful application for an export license.



MADE IN THE USA

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MADE IN THE USA

V4 OCT 2021

SPACE ANTENNA – ULTRAWIDEBAND (UWB) DEPLOYABLE ANTENNA

MISSION HERITAGE

- + Four successful flight deliveries

UWB Antenna Horizontal Deployment Sequence



Stowed Cube



Antenna Unfolding



Fully Deployed Antenna

For more information about our space capabilities,

CONTACT REDWIRE SPACE SALES



HERITAGE

Redwire is a new leader in mission critical space solutions and high reliability components for the next generation space economy. 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.

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