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**

<table>
<thead>
<tr>
<th>1M (3.28 FT)</th>
<th>Stows in 1x1x2 U CubeSat Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Length</td>
<td>Packaging</td>
</tr>
<tr>
<td></td>
<td>&lt; 0.25 HZ</td>
</tr>
<tr>
<td></td>
<td>Stiffness</td>
</tr>
</tbody>
</table>

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.
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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