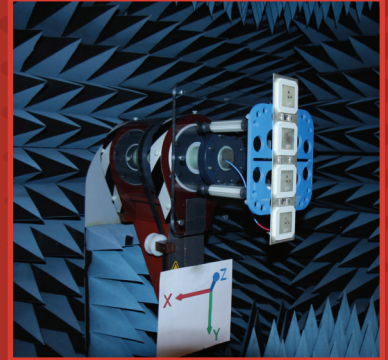


# GPS L1 L2 Linear Array Space Qualified



**This antenna, part of our selection of space-qualified antennas, is designed to operate at GPS L1 and L2. Several units have been successfully deployed in space missions.**

## Application

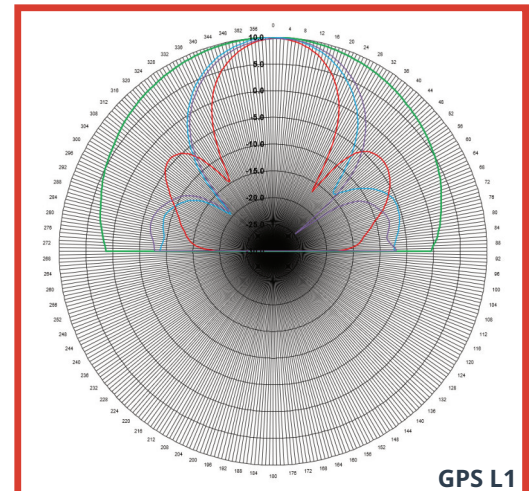
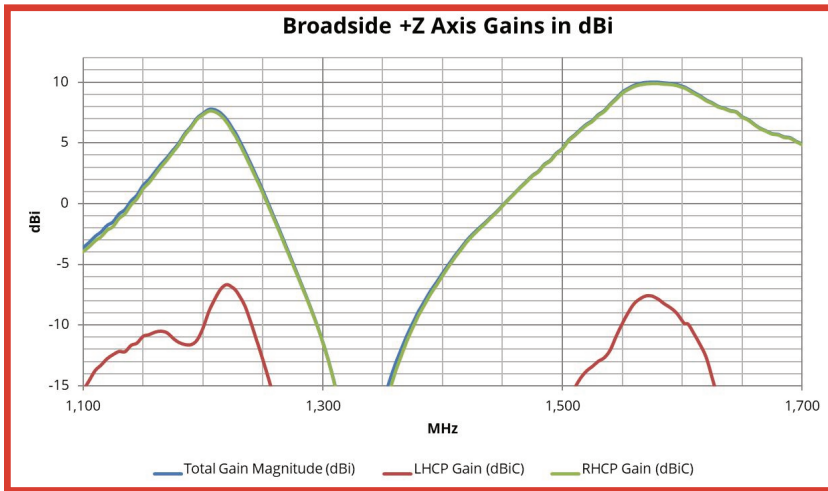
- These arrays, employing pairs of vertically stacked patches with individual feeds for each orthogonal polarization component, are configurable for either circular or dual linear polarization.
- Optional separate feed networks for L1 and L2 allow for optimization on each band for sidelobe suppression and phase center while avoiding the need for diplexers.
- The feed networks utilize stripline technology, offering the dual benefits of shielding and reduced noise pickup.

## Options

- Beam shaping
- Two or three element array
- Two dimensional arrays
- Integrated LNA and filtering
- Different frequency ranges

## Key Features

- 1 by 4 element linear array
- Operates at GPS L1 and L2
- Circularly polarized
- Single connection for L1 and L2
- Dual linear polarized version has individual H and V connections
- Low side lobe level
- High front-to-back ratio
- Elements are grounded for protection against static buildup

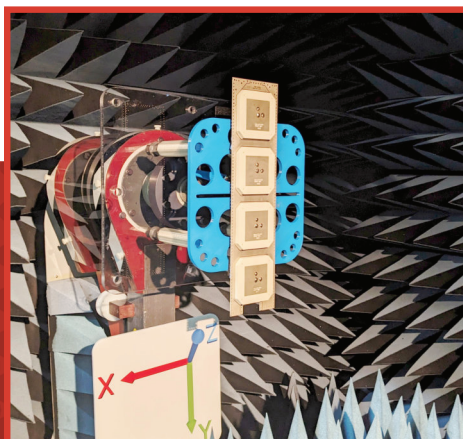
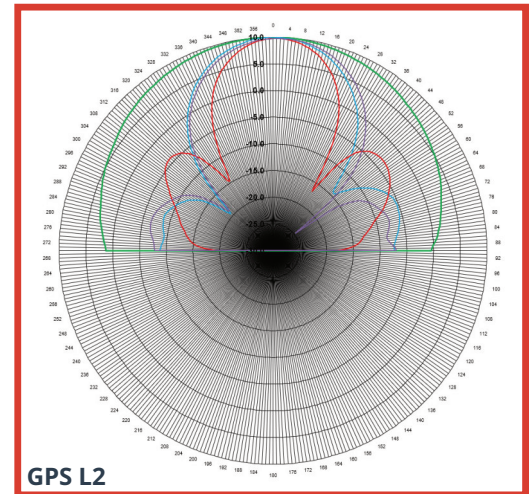


## About us

Orban Microwave, founded in 1996, designs and manufactures advanced antennas and RF subsystems for space, radar, GNSS, and avionics applications.

We deliver high-quality, reliable, and efficient solutions supporting military, commercial, and industrial missions.

Our portfolio includes antenna arrays, AESA systems, wideband and omnidirectional antennas, quadrifilars, and a range of RF products such as T/R modules, power amplifiers, low-noise amplifiers, transponders, and RF switches.



**Contact us for a complete set of anechoic chamber data**

Orban Microwave, Inc.  
11333 Lake Underhill Road  
Suite 104  
Orlando FL, 32825  
321-200-0080

