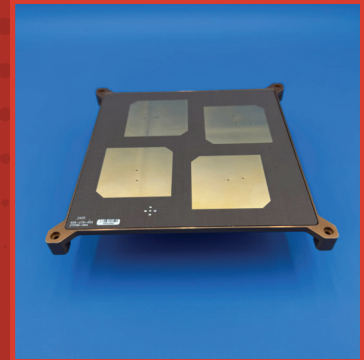


GPS L1 4 element Array Space



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

Application

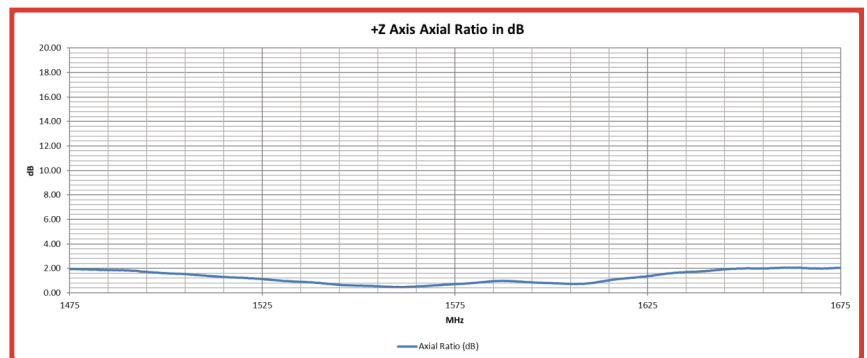
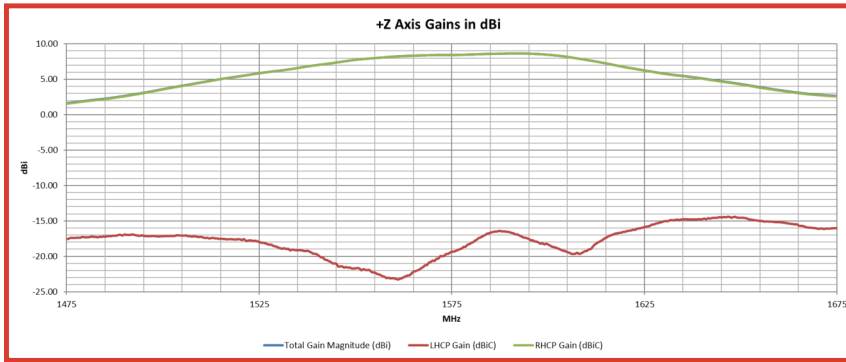
- Optimized for GPS L1 operation with right-hand circular polarization (RHCP).
- L2 support is available as an option, with separate feed networks for each band to improve phase center stability and sidelobe suppression.
- Optional dual linear polarization can be provided for specialized mission requirements.
- Feed networks use stripline technology for improved shielding and reduced noise pickup.
- Radiating elements are grounded to prevent static electricity buildup in space environments.

Options

- Beam shaping
- Nine or sixteen element arrays
- Linear array
- Integrated LNA and filtering
- Different frequency ranges

Key Features

- 2 by 2 element linear array
- Operates at GPS L1
- Circularly polarized
- Low side lobe level
- High front-to-back ratio
- Elements are grounded for protection against static buildup

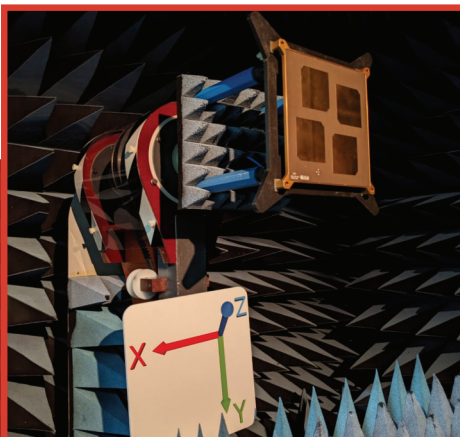


About us

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

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