



## Dual Frequency Antenna Delivers Excellent Performance, Multipath Rejection and L-band Functionality

### Benefits

Provides a single antenna solution for GPS L1, L2, L5, Galileo L1, E5a & b, E6, GLONASS L1, L2 and L-band

### Features

Access to multiple Global Navigation Satellite Systems

### Exceptional L-band Reception

The GPS-704-X Galileo passive antenna features improved performance to ensure excellent operation in all GPS, Galileo and GLONASS frequency bands. The antenna also includes NovAtel's patented Pinwheel™ technology for excellent multipath rejection and phase centre stability.

For more information contact

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Europe 44-1993-848-736

SE Asia and Australia 61-400-883-601

**Performance****3 dB Pass Band** 1.15 - 1.65 GHz**Passive Antenna** External LNA Required**Gain at Zenith (90°)**

L1	+6.0 dBic (minimum)
L2	+2.5 dBic (minimum)
L5, E5a	+2.0 dBic (minimum)
E6	+3.0 dBic (minimum)
L-band	+6.0 dBic (minimum)

**Gain Roll-Off (from Zenith to Horizon)**

L1, L-band	14 dB
L2, E6	11 dB
L5, E5	11 dB

**VSWR** ≤ 2.0 : 1**Nominal Impedance** 50 Ω**Altitude** 9,000 m**Physical and Electrical****Size**Diameter<sup>1</sup> 185 mm

Height 69 mm

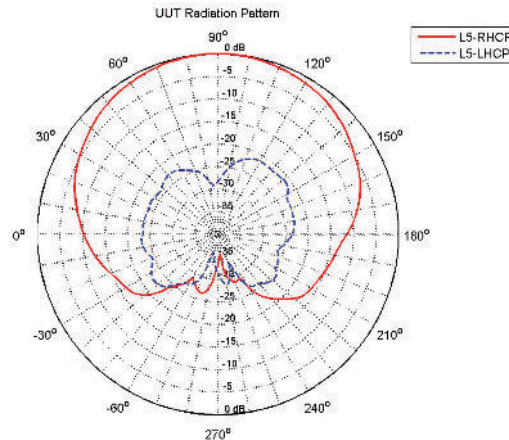
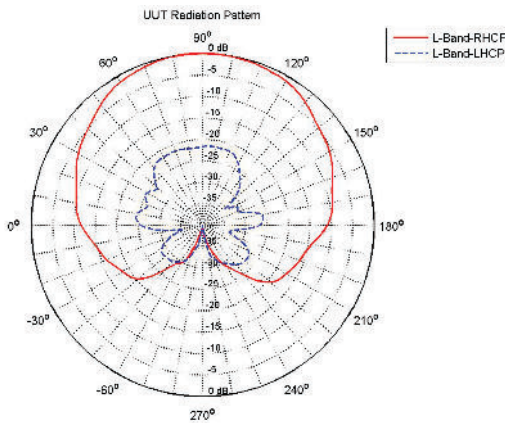
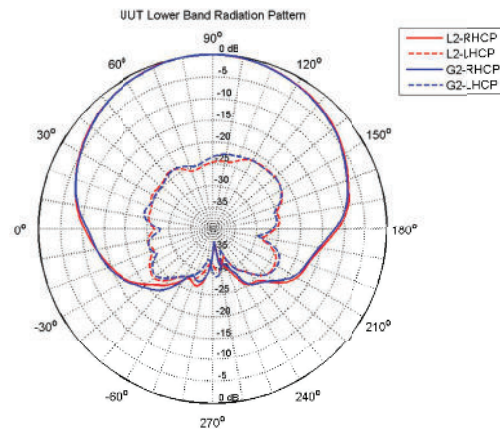
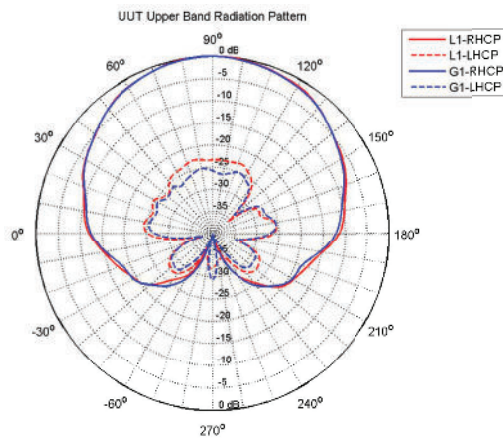
**Weight** 468 g**Connector** TNC female**Environmental****Temperature**

Operating -40°C to +85°C

Storage -55°C to +85°C

**Humidity** 95% non-condensing**Salt Spray** MIL-STD-810F, 509.4**Ingress Protection** IPX6 and IPX7**Waterproof** IEC 60529 IPX7**Compliance** CE**RoHS** EU Directive 2002/95/EC**Elevation Gain Patterns**

These plots represent the typical right-hand polarized (RHP) and left-hand polarized (LHP) normalized radiation patterns for the L1 frequency, the L2 frequency, the L-band and the L5 frequency, respectively.



Version 3 - Specifications subject to change without notice.

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For the most recent details of this product:

novatel.com/Documents/Papers/GPS-704-X.pdf

<sup>1</sup> Not including tape measure tab. Full diameter with tape measure tab is 195 mm.