
Antennas GPS-704-X



MULTI-FREQUENCY ANTENNA
DELIVERS EXCELLENT PERFORMANCE,
MULTIPATH REJECTION AND
L-BAND FUNCTIONALITY

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 center stability.



BENEFITS

- + Provides a single antenna solution for GPS L1, L2, L5, Galileo L1, E5a & b, E6, GLONASS L1, L2, BeiDou B1, B2, B3 and L-Band

FEATURES

- + Access to multiple Global Navigation Satellite Systems
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If you require more information about our antennas, visit www.novatel.com/antennas

GPS-704-X

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, B2	+2.5 dBic (minimum)
L5, E5a	+2.0 dBic (minimum)
E6, B3	+3.0 dBic (minimum)
L-Band, B1	+6.0 dBic (minimum)
Gain Roll-Off (from Zenith to Horizon)	
L1, L-Band, B1	14 dB
L2, E6, B2, B3	11 dB
L5, E5	11 dB
VSWR	≤ 2.0 : 1
Nominal Impedance	50 Ω
Altitude	9,000 m

PHYSICAL AND ELECTRICAL

Size	
Diameter ¹	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
Waterproof	IEC 60529 IPX7
Compliance	CE
RoHS	EU Directive 2011/65/EU

For the most recent details of this product:

www.novatel.com/products/gnss-antennas/high-performance-gnss-antennas/gps-704-x/

novatel.com

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Version 5 Specifications subject to change without notice.

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Printed in Canada.

D09449 November 2015



1. Not including tape measure tab. Full diameter with tape measure tab is 195 mm.

