



## Revolutionary GNSS Wideband Antenna Delivers Enhanced Accuracy and Performance

### Benefits

High precision measurements

More signal observations ensure higher performance

Eliminates need to upgrade

Withstands harsh environments

### Features

Stable phase centre

Ultra-wideband Dorne-Margolin element

Aluminum alloy construction

Tracks signals when visible, down to the horizon and below

### Supports GPS, GLONASS, Galileo and Compass

NovAtel's multi-constellation GNSS-750 antenna delivers next generation choke ring technology, ensuring functionality with existing and planned satellite constellations. Its robust, low profile construction makes it ideal for reference stations, geological monitoring and other applications requiring a robust high performance antenna.

### Superior Performance and Accuracy

The innovative design of this 3D antenna not only improves low-elevation tracking, it provides superior multi-path mitigation, delivering enhanced performance and positioning accuracy.

### Proven Robust Technology

Utilizing an ultra-wideband Dorne-Margolin antenna element, the GNSS-750 optimizes antenna gain enabling use with most manufacturers' geodetic receivers. Its sturdy aluminum alloy construction ensures it can withstand the most difficult environmental conditions.

If you require more information about our antennas, visit [novatel.com/products/antennas.htm](http://novatel.com/products/antennas.htm)



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**Performance****Design**

Dorne-Margolin antenna element with  
3D choke ring ground plane

**Signals Tracked**

GPS	L1, L2, L2C, L5
GLONASS	L1, L2, L3
Galileo	L1, E5a, E5b, E6, AltBOC
Compass	B1, B2, B3
L-band	(including SBAS, OmniSTAR and CDGPS)

**LNA Gain**            **40 dB (typical)**

**Noise Figure**        **2.0 dB (typical)**

**Physical and Electrical**

**Dimensions**        **380 mm diameter  
x 200 mm**

**Weight**                **7.6 kg**

**Power**

Input Voltage        +3.3 to +12 VDC

Power Consumption    100 mA (typical)

Nominal Impedance    50 ohms

**Connector**            **N-type with  
TNC adapter supplied**

**Environmental**

Temperature

Operating            -55° C to +85° C

Storage                -55° C to +90° C



Version 1 -Specifications subject to change without notice.

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For the most recent details of this product:  
[novatel.com/Documents/Papers/GNSS-750.pdf](http://novatel.com/Documents/Papers/GNSS-750.pdf)