Antennas

Exceptional performance.
Unsurpassed reliability.
# NovAtel Antennas

## VEXXIS® GNSS-800 Series

- **Model**: GNSS-802
  - GPS: L1, L5
  - GLONASS: L1, L3
- **Model**: GNSS-802L
  - GPS: L1, L3
  - GLONASS: L1
- **Model**: GNSS-804
  - GPS: L1
  - GLONASS: L1, L3
- **Model**: GNSS-804L
  - GPS: L1
  - GLONASS: L3
- **Model**: GNSS-850
  - GPS: L1, L2, L3
  - GLONASS: L1

![Image of VEXXIS® GNSS-800 Series antenna](image)

**Specifications**:
- **Size**: 179 x 55 mm
- **Weight**: 0.5 kg

## VEXXIS® GNSS-500 Series

- **Model**: GNSS-501
  - GPS: L1
  - GLONASS:
- **Model**: GNSS-502
  - GPS: L1
  - GLONASS: L1, L3

![Image of VEXXIS® GNSS-500 Series antenna](image)

**Specifications**:
- **Size**: 155 x 45 mm
- **Weight**: 0.45 kg

## Compact GNSS Antennas

- **Model**: GPS-301
  - GPS: L1
  - GLONASS:
- **Model**: GNSS-303L
  - GPS: L1, L2, L3
  - GLONASS: L1, L3

![Images of Compact GNSS Antennas](images)

**Specifications**:
- **Size**: 90 x 20 mm
  - Weight: 0.2 kg
- **Size**: 90 x 27 mm
  - Weight: 0.35 kg

## Fixed Reference GNSS Antennas

- **Model**: GNSS-750
  - GPS: L1, L2, L3
  - GLONASS: L1, L3

![Image of Fixed Reference GNSS Antenna](image)

**Specifications**:
- **Size**: 380 x 200 mm
  - Weight: 7.6 kg

- **Model**: ANT-C2GA-TW-N
  - GPS: L1, L2

![Image of ANT-C2GA-TW-N](image)

**Specifications**:
- **Size**: 308 x 223 mm
  - Weight: 4.1 kg
## SIGNALS RECEIVED

<table>
<thead>
<tr>
<th>Galileo</th>
<th>BeiDou</th>
<th>L-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E5a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E5b</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B3</td>
<td></td>
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</tbody>
</table>

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>LNA Gain</th>
<th>Power</th>
<th>RF Connector(s)</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 dB typ</td>
<td>3.8 to 18 VDC, 60 mA max</td>
<td>TNC female</td>
<td>CE, FCC</td>
</tr>
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<td>TNC female</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>29 dB typ</td>
<td>3.3 to 18 VDC, 20 mA typ</td>
<td>TNC female</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>29 dB typ</td>
<td>3.3 to 18 VDC, 20 mA typ</td>
<td>TNC female</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>26 dB typ</td>
<td>3.8 to 8 VDC, 35 mA typ</td>
<td>TNC male</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>26 dB to 30 dB typ</td>
<td>3.8 to 6 VDC, 60 mA typ</td>
<td>TNC male</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>26 dB to 33 dB typ</td>
<td>3.8 to 6 VDC, 60 mA typ</td>
<td>TNC male</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>26 dB to 29 dB typ</td>
<td>3.8 to 6 VDC, 60 mA typ</td>
<td>TNC male</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>26 dB to 30 dB typ</td>
<td>3.8 to 6 VDC, 60 mA typ</td>
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<td>CE, FCC</td>
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<tr>
<td>26 dB to 30 dB typ</td>
<td>3.8 to 6 VDC, 60 mA typ</td>
<td>TNC male</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>41 dB ± 3</td>
<td>3.3 to 12 VDC, 100 mA typ</td>
<td>N-Type with TNC adapter</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>L1 31 dB, L2 33 dB typ</td>
<td>2.5 to 24 VDC, 35 mA typ</td>
<td>TNC</td>
<td>CE, FCC</td>
</tr>
</tbody>
</table>

For comprehensive antenna information, visit: [www.novatel.com/products/gnss-antennas](http://www.novatel.com/products/gnss-antennas)
Precise thinking makes it possible.

NovAtel is an Original Equipment Manufacturer (OEM) that designs, manufactures and sells high-precision Global Navigation Satellite System (GNSS) positioning technology.

Our receivers, antennas, components and subsystems are at the heart of many of the world’s most exciting precise-positioning applications.

The markets we serve are wide and varied, including aviation, survey, geomatics, machine control, mining, agriculture, marine and defense. Whatever your application, NovAtel technology will ensure your success.

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