

# Antennas



Exceptional performance.  
Unsurpassed reliability.

# NovAtel Antennas

## SIGNALS RECEIVED

	MODEL	GPS			GLONASS		
		L1	L2	L5	L1	L2	L3
<b>VEXXIS® GNSS-800 Series</b>							
 <p>Size: 179 x 55 mm Weight: 0.5 kg</p>	GNSS-802	+	+		+	+	
	GNSS-802L	+	+		+	+	
	GNSS-804	+	+		+	+	
	GNSS-804L	+	+		+	+	
	GNSS-850	+	+	+	+	+	+
<b>VEXXIS® GNSS-500 Series</b>							
 <p>Size: 155 x 45 mm Weight: 0.45 kg</p>	GNSS-501	+			+		
	GNSS-502	+	+		+	+	
<b>Compact GNSS Antennas</b>							
 <p>Size: 90 x 20 mm Weight: 0.20 kg</p> <p>Size: 90 x 27 mm Weight: 0.35 kg</p>	GPS-301	+					
	GNSS-303L	+	+	+	+	+	
 <p>Size: 120 L x 80 W x 30 H mm Weight: 0.28 kg</p>	GNSS-302L-A	+	+		+	+	
	GPS-302-A	+	+				
	GPS-302L-A	+	+				
	GNSS-303L-A	+	+	+	+	+	
<b>Fixed Reference GNSS Antennas</b>							
 <p>Size: 380 x 200 mm Weight: 7.6 kg</p>	GNSS-750	+	+	+	+	+	+
 <p>Size: 308 x 223 mm Weight: 4.1 kg</p>	ANT-C2GA-TW-N	+	+				

**SIGNALS RECEIVED**

Galileo				BeiDou			L-Band	SPECIFICATIONS			
E1	E5a	E5b	E6	B1	B2	B3		LNA Gain	Power	RF Connector(s)	Compliance
+				+				29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female	CE, FCC
+				+			+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female	CE, FCC
+		+		+	+			29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female	CE, FCC
+		+		+	+		+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female	CE, FCC
+	+	+	+	+	+	+	+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female	CE, FCC
+				+			+	29 dB typ	3.3 to 18 VDC, 20 mA typ	TNC female	CE, FCC
+		+		+	+		+	29 dB typ	3.3 to 18 VDC, 20 mA typ	TNC female	CE, FCC
								26 dB typ	3.8 to 8 VDC, 35 mA typ	TNC male	CE, FCC
+	+	+	+	+	+	+	+	26 dB to 30 dB typ	3.8 to 6 VDC, 60 mA typ	TNC male	CE, FCC
							+	26 dB to 33 dB typ	3.8 to 6 VDC, 20 mA typ	TNC male	CE, FCC
								26 dB to 29 dB typ	3.8 to 6 VDC, 60 mA typ	TNC male	CE, FCC
							+	26 dB to 30 dB typ	3.8 to 6 VDC, 60 mA typ	TNC male	CE, FCC
+	+	+	+	+	+	+	+	26 dB to 30 dB typ	3.8 to 6 VDC, 60 mA typ	TNC male	CE, FCC
+	+	+	+	+	+	+	+	41 dB ± 3	3.3 to 12 VDC, 100 mA typ	N-Type with TNC adapter	CE, FCC
								L1 31 dB, L2 33 dB typ	2.5 to 24 VDC, 35 mA typ	TNC	CE, FCC



**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.

To learn more, visit

[www.novatel.com](http://www.novatel.com)

[sales@novatel.com](mailto:sales@novatel.com)

1-800-NOVATEL (US & Canada) or 403-295-4900

China 0086-21-68882300

Europe 44-1993-848-736

SE Asia & Australia 61-400-883-601

**Version 16** Specifications subject to change without notice.

©2018 NovAtel Inc. All rights reserved.

VEXXIS and NovAtel are registered trademarks of NovAtel Inc.

Refer to [www.novatel.com](http://www.novatel.com) for specification revisions

Printed in Canada

D10153 April 2018

