

Vehicle Antennas

• JEBSEE •

AN1511

GNSS L-band External Antenna



Features

- **L-Band Correction Antenna**

Equipped with a 27dB gain LNA and advanced L-band filtering, this antenna is optimized for high-precision GNSS correction services, enabling accurate satellite decoding and correction streams for centimeter-level accuracy.

- **Robust and Waterproof Design**

Built with a low-profile, durable enclosure and IP67 rating, this antenna offers excellent water resistance, making it suitable for various challenging environments.

- **Flexible Mounting Options**

Provides a high-quality magnet for temporary attachment to magnetic surfaces, along with an adhesive pad for permanent installation on non-magnetic materials, ensuring secure and versatile mounting.

Application

- **Vehicle Fleets and Asset Tracking**

Enhances fleet management with high-precision GNSS correction services, improving asset tracking and operational efficiency.

- **Autonomous Vehicles**

Delivers precise GNSS data and correction streams, ensuring accurate navigation and control for autonomous driving systems.

Item	Model No.	AN1511
Antenna I		L-Band
Frequency Range	MHz	1525-1559
Gain at Zenith	dBi	4.7
Polarization		RHCP
Radiation Pattern		Hemispherical
LNA Gain	dB	27.0 \pm 3.0
Noise Figure	dB	3.0 max.
Output VSWR	:1	2.0 max.
Out-of-Band Rejection	dB	65 min.
Saw Filter Type		Pre-Filter
Current Consumption	mA	40 max. @ 3.0 – 5.5 VDC
Cable		RG-174/U, 3000mm (Any Cable Length Available)
Connector		FAKRA-Female (Code A) (Other Connectors Available)
		Mechanical
Mounting		Adhesive
IP Rating		IP67
Dimensions		42(W) x 50(L) x 16.6(H) mm