

# UAV/UGV Antennas

• JEBSEE •

## AN1519

GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/  
L1L2L5

### GNSS L1/L2/L5 External Antenna



#### Features

- **Advanced Multi-Frequency GNSS Support**

This antenna supports GPS, GLONASS, Galileo, and BeiDou systems across L1, L2, L5 frequencies, ensuring precise and reliable positioning.

- **Durable and Waterproof Design**

Featuring an IP67-rated enclosure, the antenna is built to withstand harsh environmental conditions, making it ideal for outdoor and vehicle installations.

#### Application

- **Electric and Autonomous Vehicles**

Provides precise GNSS data for navigation, safety systems, and autonomous control in electric and self-driving vehicles.

- **Fleet Management and Asset Tracking**

Enables real-time vehicle tracking and route optimization for efficient fleet management.

- **High-Precision Mapping**

Ideal for surveying and mapping applications requiring accurate and reliable GNSS positioning.

Item	Model No. AN1519										
Antenna I	GPS L2/L5, BDS B2, Galileo E5a, E5b					BDS B1, GPS L1, Galileo E1, GLONASS L1					
Frequency Range	MHz	1176	1207	1227	1245	1561	1575	1602			
Gain at Zenith	dBic	2.54	5.73	5.83	1.52	5.45	5.57	4.08			
Axial Ratio	dB	1.58	1.15	1.28	1.42	1.52	1.44	1.88			
Polarization	RHCP					RHCP					
Radiation Pattern	Hemispherical					Hemispherical					
LNA Gain	dB	28.0 ± 3.0					28.0 ± 3.0				
Noise Figure	dB	3.0 max.					3.0 max.				
Output VSWR	:1	2.0 max.					2.0 max.				
Out-of-Band Rejection	dB	50 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	SMA-Male (Other Connectors Available)										
Mechanical											
Mounting	Adhesive										
IP Rating	IP67										
Dimensions	66(Ø) x 42(H) mm										