

UAV/UGV Antennas

• JEBSEE •

AN1522

GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/SBAS/
L1L2L5L6/L-band

GNSS L1/L2/L5/L6/L-band Helix External Antenna



Features

- **Ultra-Low Profile and Lightweight Design**

Lightweight body and slim design, easily integrated into space-constrained devices such as UAVs, surveying instruments, and monitoring equipment.

- **Superior Multi-GNSS and Multi-Frequency Support**

Fully supports GPS, GLONASS, GALILEO, BeiDou, and other satellite systems and frequency bands, offering more reliable and accurate positioning..

- **Excellent Anti-Interference Performance**

Optimized circuitry and a robust low noise amplifier effectively suppress out-of-band interference and resist electromagnetic interference, ensuring signal purity.

Application

- **Precise UAV Positioning and Navigation**

Offers high-precision, high-reliability positioning and navigation for UAVs, suitable for aerial photography, remote sensing, infrastructure inspection, etc.

- **High-Precision Surveying and Geospatial Data Acquisition**

Meets professional surveying needs for high-precision positioning in topographic surveying, cadastral surveys, engineering measurements, and data acquisition.

Item	Model No.	AN1522				
Supported GNSS Bands	GPS	■ L1	■ L2	■ L5		
	GLONASS	■ G1	■ G2	■ G3		
	Galileo	■ E1	■ E5a	■ E5b	■ E6	
	BeiDou	■ B1C	■ B1I	■ B2a	■ B2b	■ B3
	L-band	■ L-band				
	QZSS	■ L1	■ L2C	■ L5	■ L6	
	IRNSS	■ L5				
SABS	■ L1/E1/B1	■ L5/B2a/E2a	■ G1	■ G2	■ G3	
Frequency Range	MHz	1164 – 1278	1525 – 1559	1559 – 1606		
Gain at Zenith	dBi	2.8 typ.	1.5 typ.	3.3 typ.		
Axial Ratio	dB		3.0 max.			
Polarization			RHCP			
Radiation Pattern			Hemispherical			
LNA Gain	dB		28.0 \pm 3.0			
Noise Figure	dB		2.0 max.			
Output VSWR	:1		2.0 max.			
Saw Filter Type			Pre-Filter			
Current Consumption	mA	55 max. @ 3.0 – 5.5 VDC				
Connector			SMA Male			
Mechanical						
Mounting		Direct Mount				
IP Rating		IP67				
Dimensions		Ø52*34.5 mm				