ANTENNAPLUS by Airgain

LEGION® 900

Greater Connectivity to LPWAN IoT Networks



The **LEGION 900** antenna is a low profile 3dBi omni-directional high performance antenna for the 900MHz ISM band. This antenna is designed to accommodate outdoor communications including LoRa protocol for Internet of Things (IoT). Designed specifically for outdoor connection to LoRa or Sigfox IoT remote stations that require reliable connectivity back to modems and gateways.

- **Long Product Life — Low Profile Design**
  The **LEGION 900** antenna stands only 0.62" inches tall.
- High performance, efficiency and High Omni directionality in a small form factor, outperforming competing solutions
- Robust and UV resistant enclosure
- Alternative mounting options available on request
- Available in black or white

Full Outdoor Installation Ready

Compact and Robust UV Resistant Housing

Low loss cable accessories

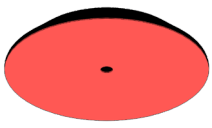
Customizable Cables and Connectors to Connect to Any Modem

Fast custom turnaround time

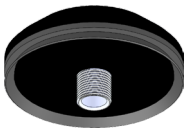
Standard Configurations

AP-LPWAN-A-S2-BL-15	Adhesive Mount, SMA on LPWAN, Black, 15ft coax
AP-LPWAN-Q-S2-BL-15	Threaded Bolt Mount, SMA on LPWAN, Black, 15ft coax

Also available in color white, customizable cable lengths up to 35 feet, and other connector variations.



Adhesive Mount



Bolt Mount

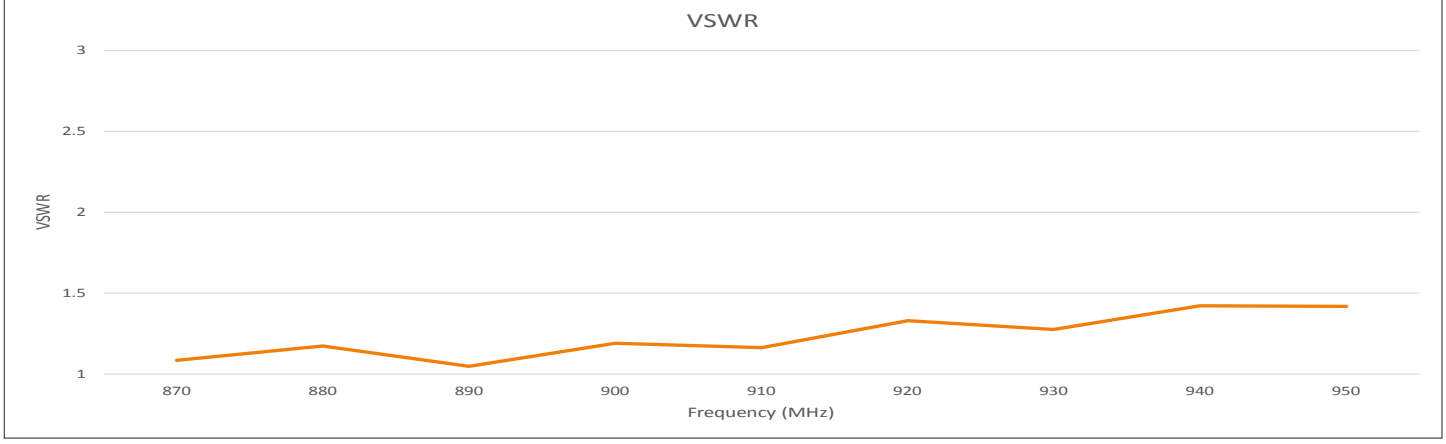
Electrical Data	
Frequency Range	F1=890-950 MHz
VSWR	1.5:1 or less at resonant point
Peak Gain: Isotropic	3.0 dBi
Radiation Pattern	OMNI Directional Hemispherical
Polarization	Vertical

Mechanical Specifications	
Radome	Glass Filled Polypropylene

Cable Data	
Single-Band Antenna	15 feet (4.5 m) (Adhesive Mount)
	SMA is standard or Contact factory for connector.

Mounting Data		
Dimensions	Diameter	4.2” (106.6 mm)
	Height	0.62” (15.8 mm)

VSWR of LTE Antennas



3D Antenna Patterns

Ant1_LPWAN at 920MHz

