

## External Single-port Active GNSS Antenna

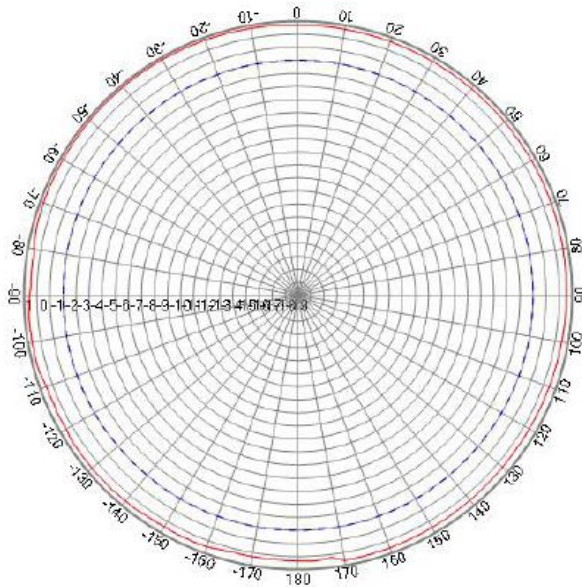
- Technology: GPS L1 L5/BD B1 B2
- High gain GNSS antenna (LNA Integrated)
- Magnet/Adhesive mounting
- Applications in utilities, tracking, transportation, wireless communications etc.



Item	Performance Specifications
GNSS Antenna Center Frequency	1176MHz/1575MHz
GNSS Antenna Polarization	RHCP
GNSS Axial Ratio	3dB (max)
GNSS Antenna Gain	3dBic@PCB (Zenith)
GNSS Antenna V.S.W. R	<1.5
GNSS Antenna Impedance	50 Ω
LNA Gain	28±2dB
LNA Noise Figure	≤1.0dB
LNA V.S.W. R	<2.0
LNA Supply Voltage	3~5V DC
Current Consumption	<45mA
Cable	RG174, fully customized
Connector	SMA, fully customized
Radome Material	ABS
Mounting Method	Magnet/Adhesive, fully customized
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
Environmentally Friendly	ROHS compliant

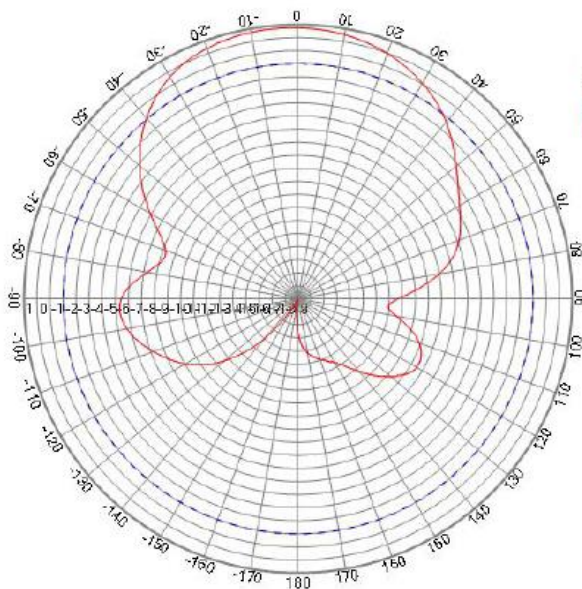
## Radiation Pattern

### GNSS Antenna



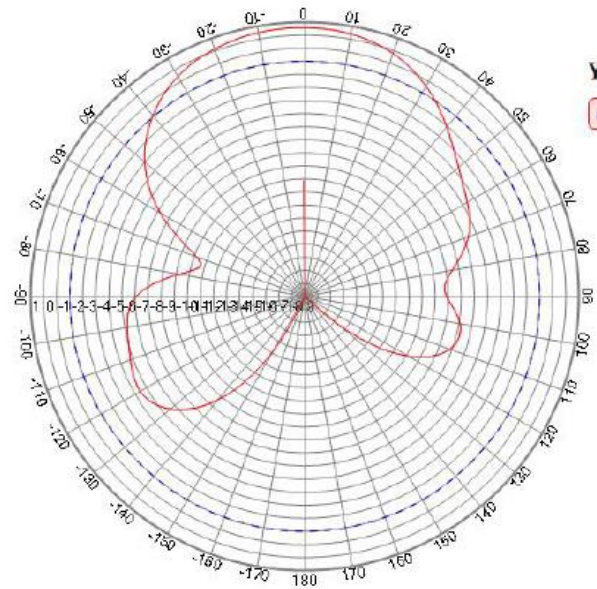
XY-Plane

Freq: 1176



XZ-Plane

Freq: 1176

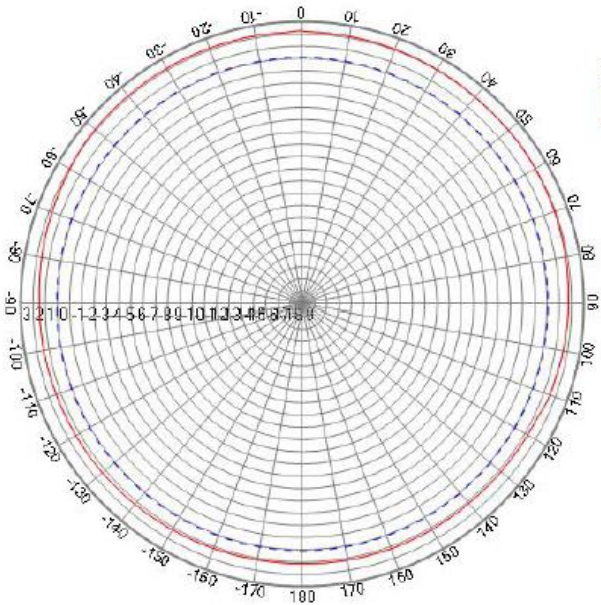


YZ-Plane

Freq: 1176

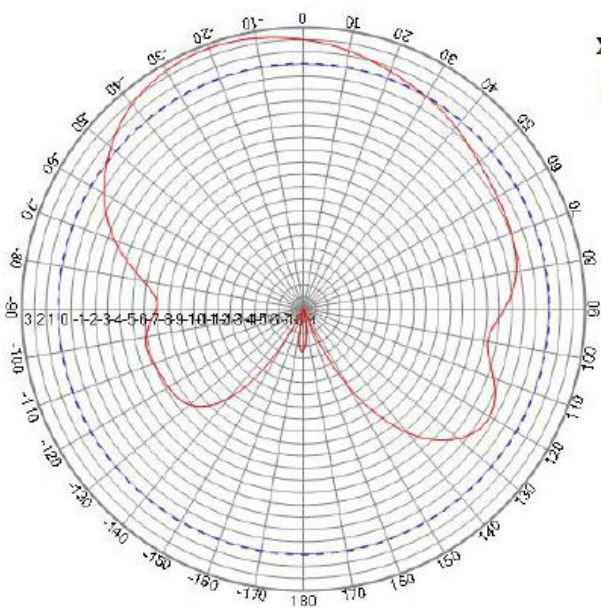
**XY-Plane**

**Freq: 1575**



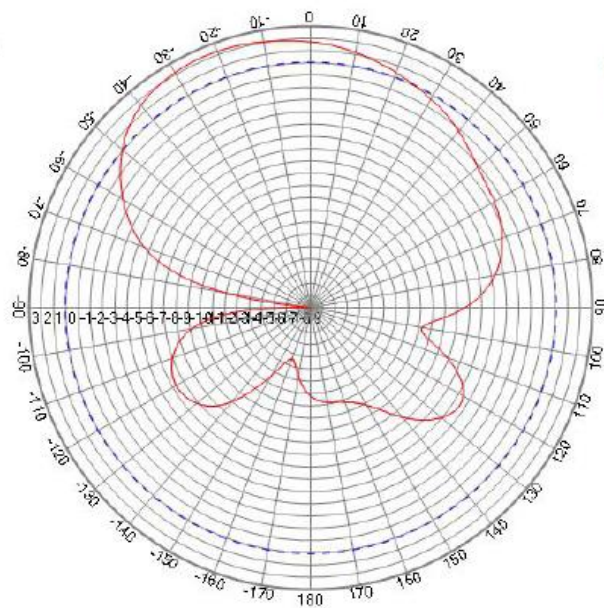
**XZ-Plane**

**Freq: 1575**



**YZ-Plane**

**Freq: 1575**





## Antenna Mechanical Drawing

