

External GNSS Antenna

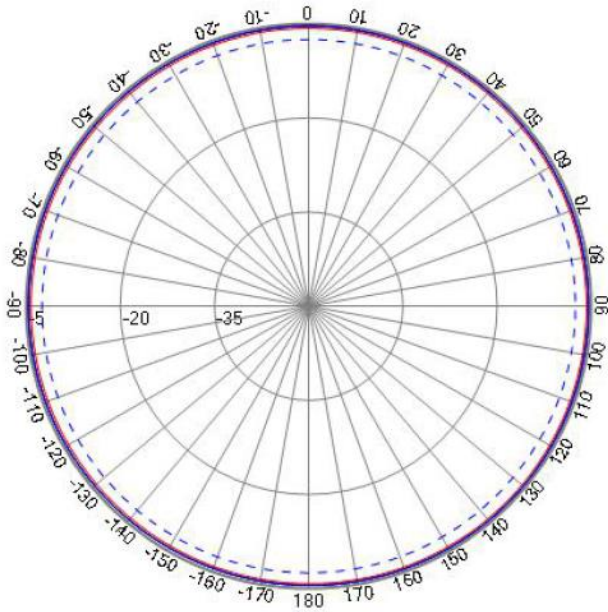
- Technology: GPS L1/BD B1
- High gain GNSS antenna (LNA Integrated)
- Magnet/Adhesive mounting
- Applications in utilities, tracking, transportation, wireless communications etc.



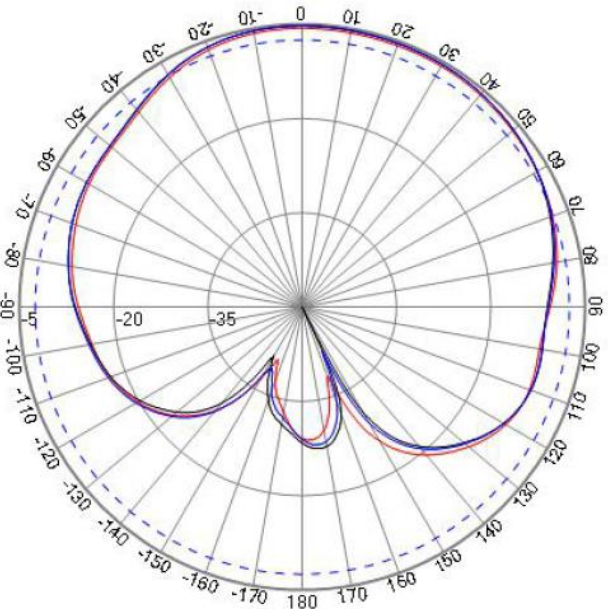
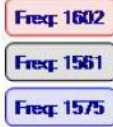
Item	Performance Specifications
GNSS Antenna Center Frequency	1561.098~1602MHz
GNSS Antenna Polarization	RHCP
GNSS Axial Ratio	3dB (max)
GNSS Antenna Gain	5dBic@PCB (Zenith)
GNSS Antenna V.S.W. R	≤1.5
GNSS Antenna Impedance	50 Ω
LNA Gain	34±2dB
LNA Noise Figure	≤1.5dB
LNA V.S.W. R	<2.0
LNA Supply Voltage	3~5V DC
Current Consumption	<20mA
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

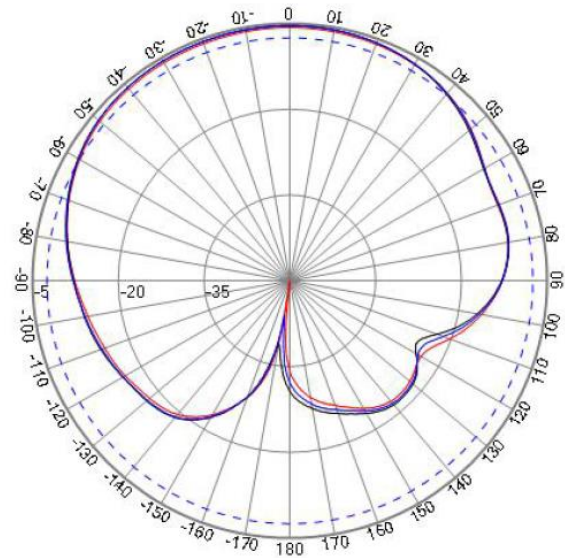
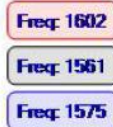
GNSS Antenna



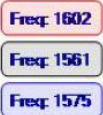
XY-PLANE



XZ-PLANE



YZ-PLANE



Antenna Mechanical Drawing

