

## External Single-port Active GNSS Antenna

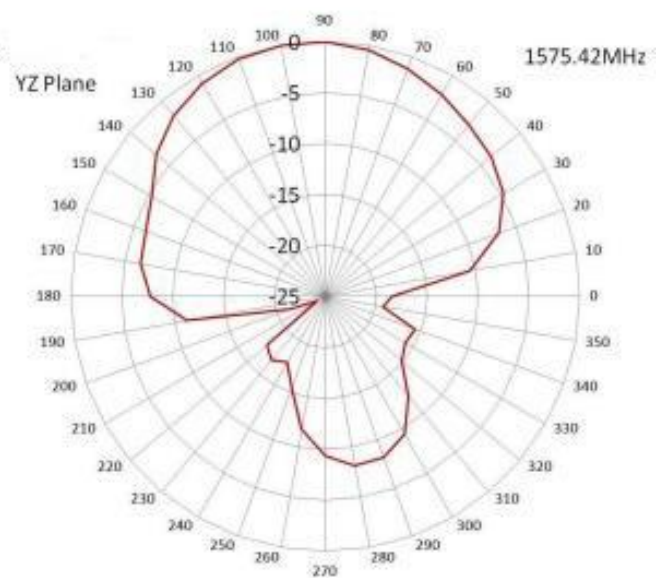
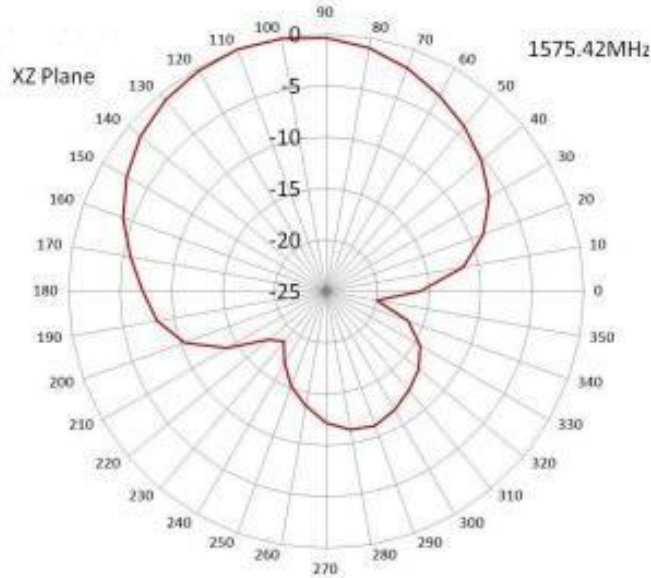
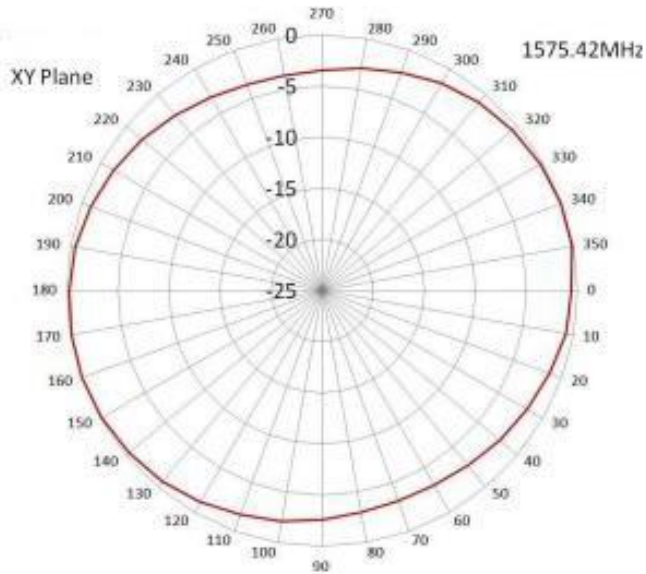
- High Gain > 28dB, LNA integrated
- Technology: GPS L1, Beidou B1
- Screw mounting
- Applications in utilities, tracking, transportation, wireless communications etc.



| Item                     | Performance Specifications              |
|--------------------------|---|
| Center Frequency         | 1575±3MHz                               |
| Band Width               | >15MHz                                  |
| Polarization             | RHCP                                    |
| Peak Gain                | 2dBic (Zenith)                          |
| V.S.W.R                  | <1.5                                    |
| Impedance                | 50 Ω                                    |
| Axial Ratio              | 3dB (max)                               |
| LNA Gain                 | 30±2dB                                  |
| LNA Noise Figure         | <1.2dB                                  |
| LNA V.S.W.R              | <2                                      |
| LNA Supply Voltage       | 3~5.5V DC                               |
| LNA Current Consumption  | <30mA                                   |
| Cable                    | RG174, fully customized                 |
| Connector                | SMA, fully customized                   |
| Mounting Method          | Screw, fully customized                 |
| Operating Temperature    | -40°C~+85°C                             |
| Relative Humidity        | Up to 95%                               |
| Vibration                | 10 to 55Hz with 1.5mm amplitude 2 hours |
| Environmentally Friendly | ROHS compliant                          |

## Radiation Pattern

## GNSS Antenna



## Antenna Mechanical Drawing

