

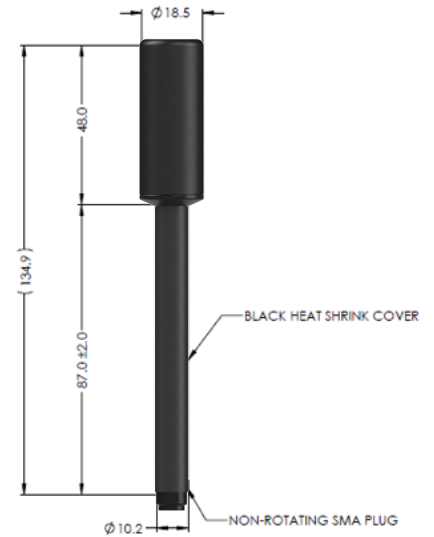
M1580HCT-GN

GPS/BEIDOU/GLONASS PASSIVE ANTENNA

Part #: 100-00151-01

Description

The M1580HCT-GN is a high performance antenna designed for the GPS/Beidou/Glonass bands. The antenna is built on proprietary Maxtena Helicore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1580HCT-GN is rated IP-67 when mounted for added protection. This product is designed for applications requiring high quality GPS/Beidou/Glonass reception.



Mechanical Specifications

dimensions are in mm

Electrical Specifications

Parameter	Specification
Frequency	1561 MHz (Beidou) 1575 MHz (GPS) 1602 MHz (Glonass)
Polarization	RHCP
Antenna Element Peak Gain	1.3 dBic (Beidou) 1.8 dBic (GPS) -1.7 dBic (Glonass)
Axial Ratio	0.2 dB (typical)
VSWR	1.5 (max)
Impedance	50 Ω
Operating temp.	from -30°C to 60°C
RF Connector	SMA male
Overall dimensions	135 mm (height) x 18.5 mm (diameter)
Weight	45 grams

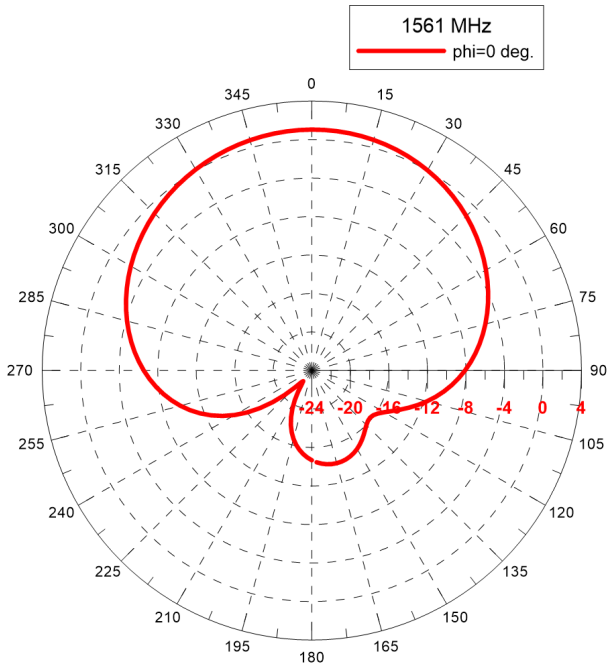
Features

- Very low axial ratio
- IP-67 mounted
- Ultra lightweight - 45 grams
- Ground plane independent

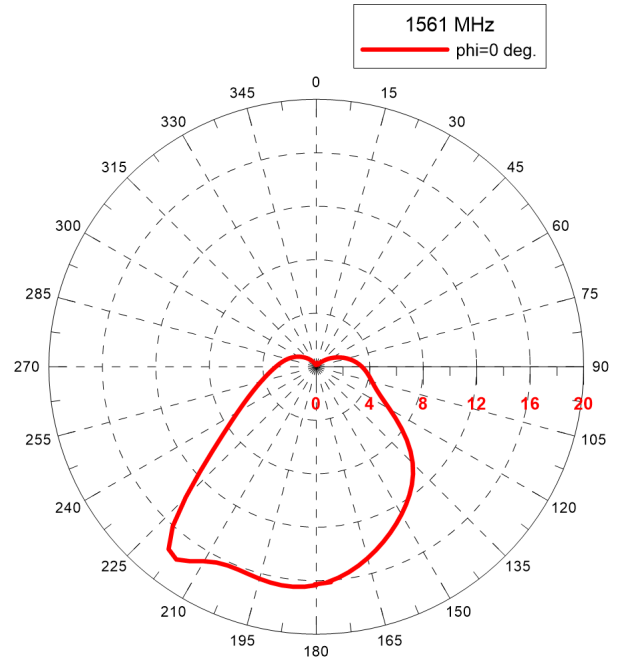
Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Handheld devices
- Law enforcement

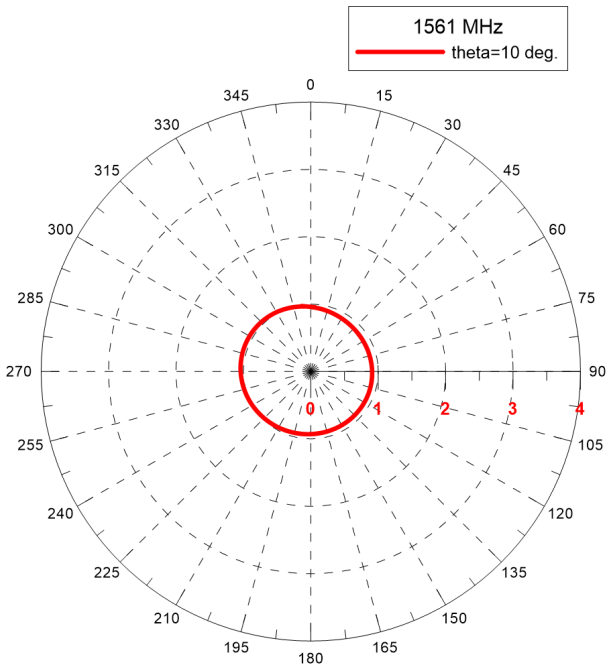
Beidou RHCP Gain-Elevation cut



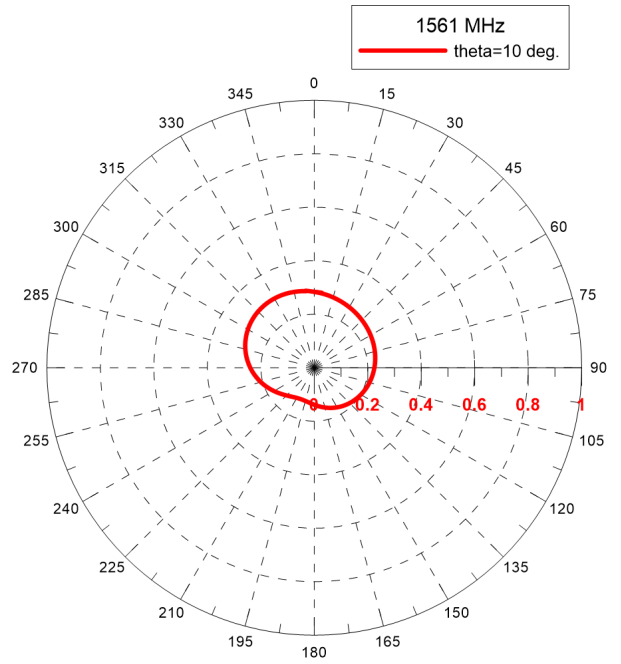
Beidou Axial Ratio-Elevation cut



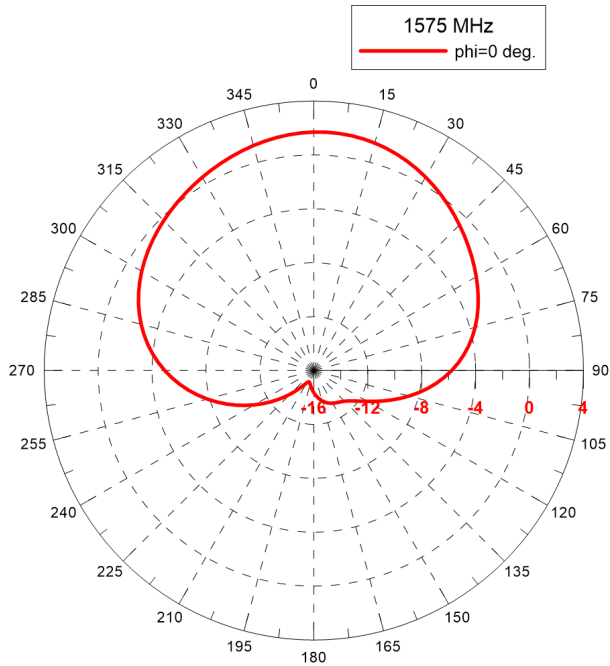
Beidou RHCP Gain-Azimuth cut



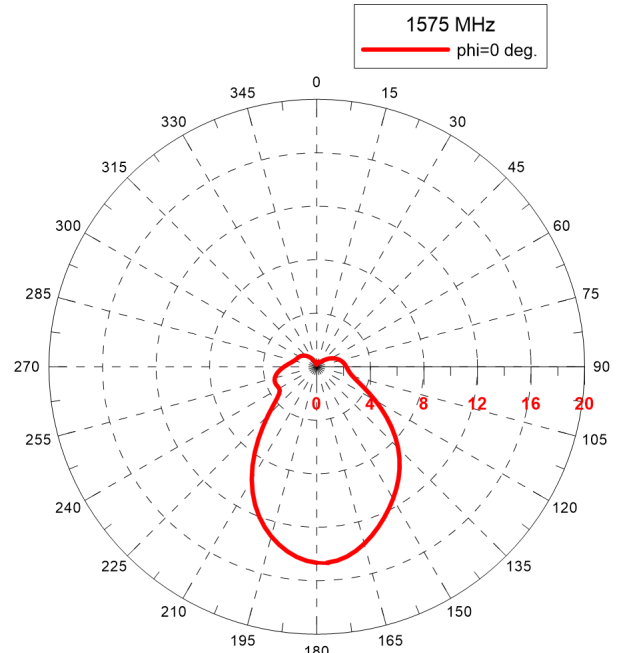
Beidou Axial Ratio-Azimuth cut



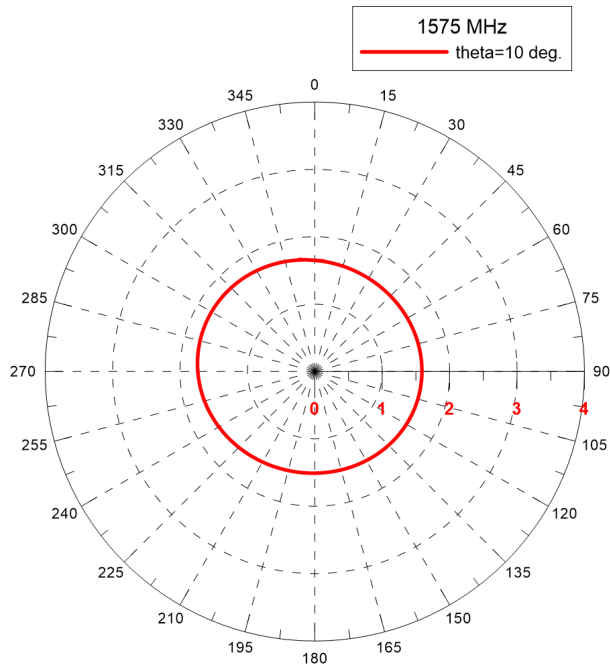
GPS RHCP Gain-Elevation cut



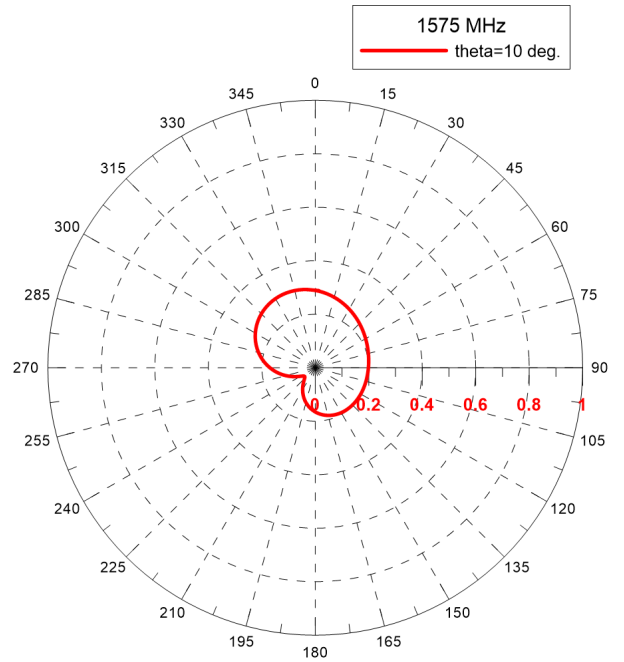
GPS Axial Ratio-Elevation cut



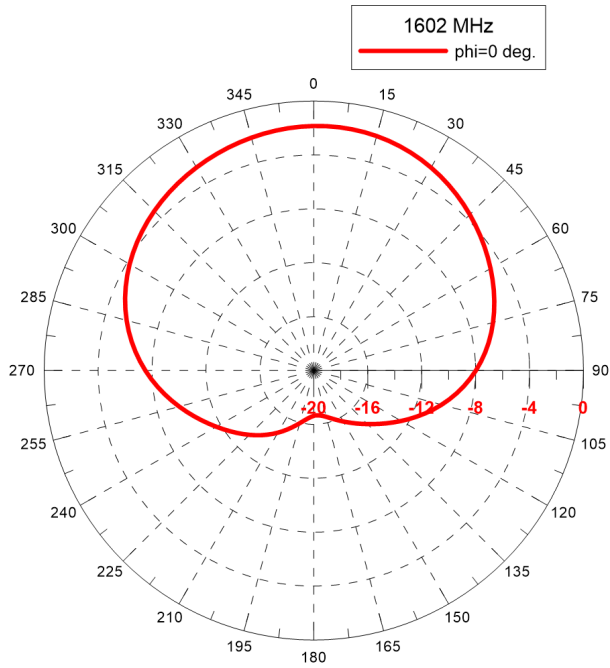
GPS RHCP Gain-Azimuth cut



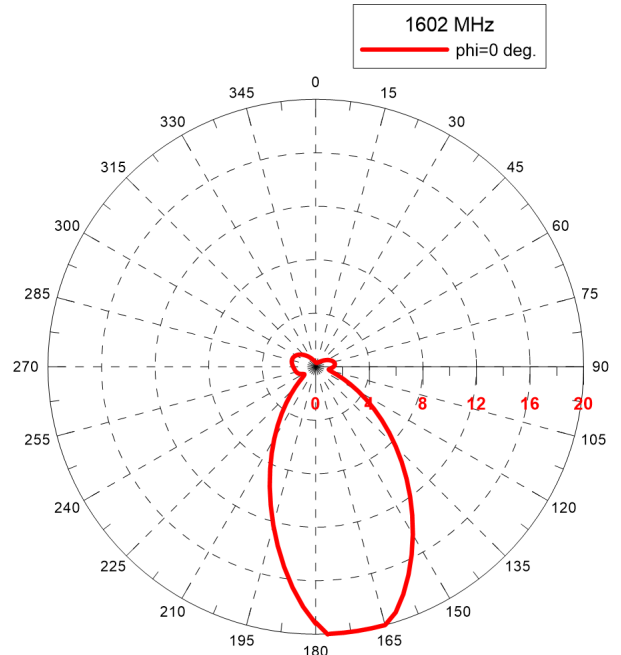
GPS Axial Ratio-Azimuth cut



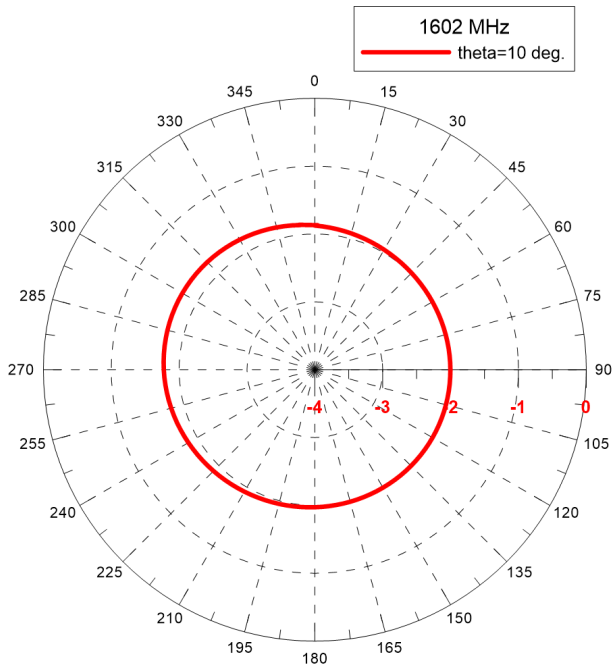
Glonass RHCP Gain-Elevation cut



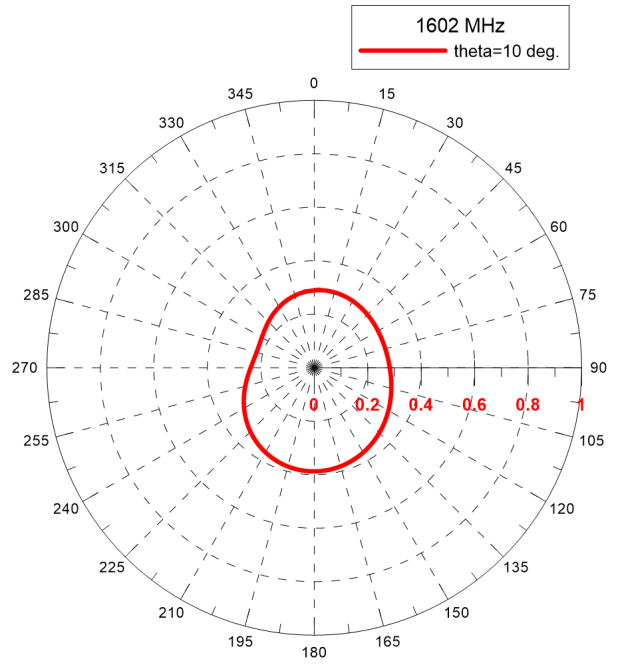
Glonass Axial Ratio-Elevation cut



Glonass RHCP Gain-Azimuth cut



Glonass Axial Ratio-Azimuth cut



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