

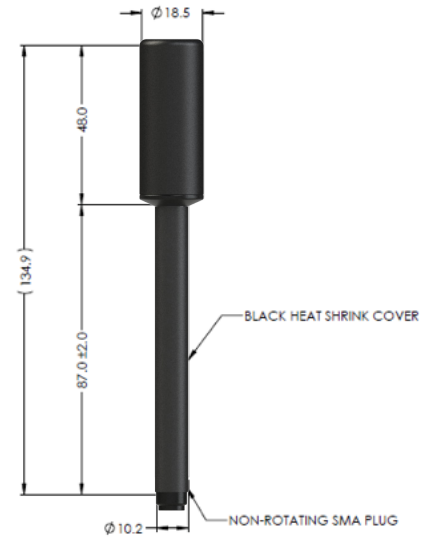
M1575HCT-GN

HIGH PERFORMANCE GPS PASSIVE ANTENNA

Part #: 100-00146-01

Description

The M1575HCT-GN is a high performance antenna designed for the GPS band. 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 M1575HCT-GN is rated IP-67 when mounted for added protection. This product is designed for applications requiring high quality GPS reception.



Mechanical Specifications

dimensions are in mm

Electrical Specifications

Parameter	Specification
Frequency	1575 MHz (GPS)
Polarization	RHCP
Antenna Element Peak Gain	1.8 dBic (GPS)
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

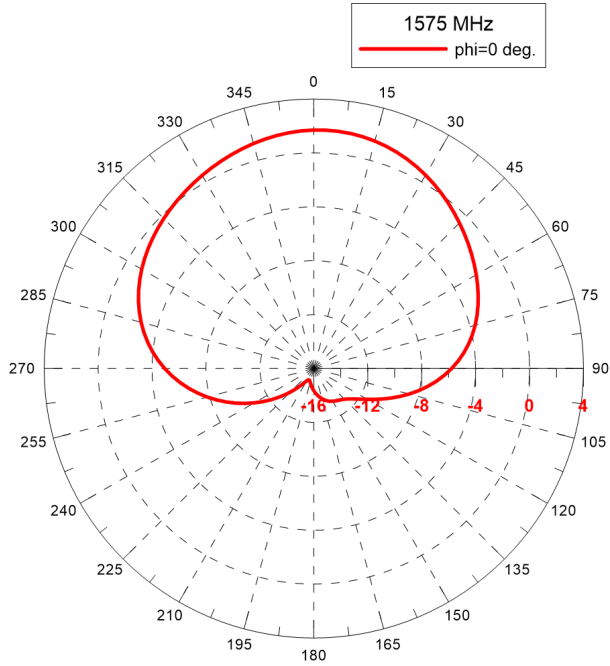
Features

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

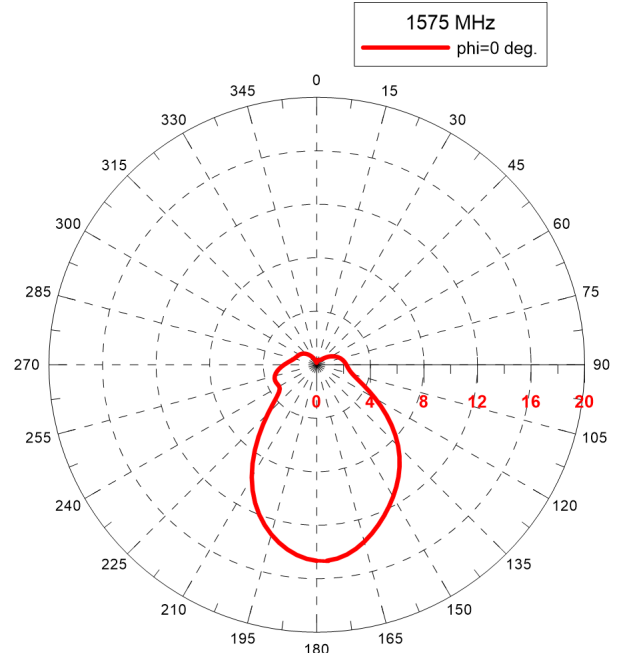
Applications

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

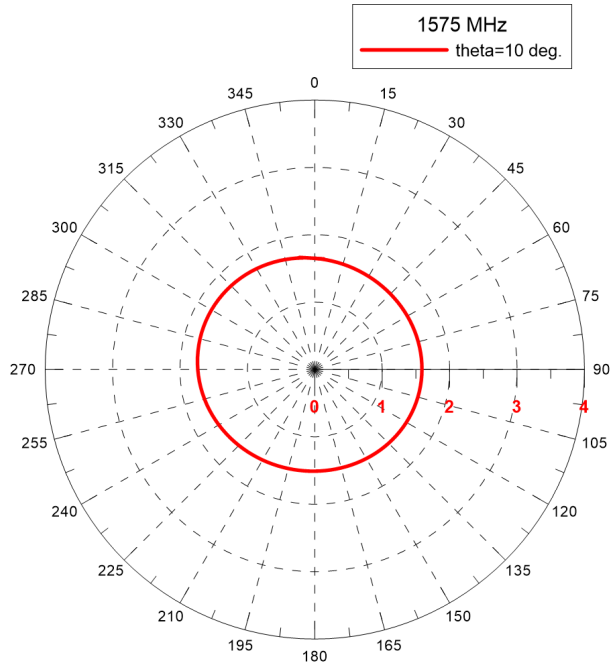
GPS RHCP Gain-Elevation cut



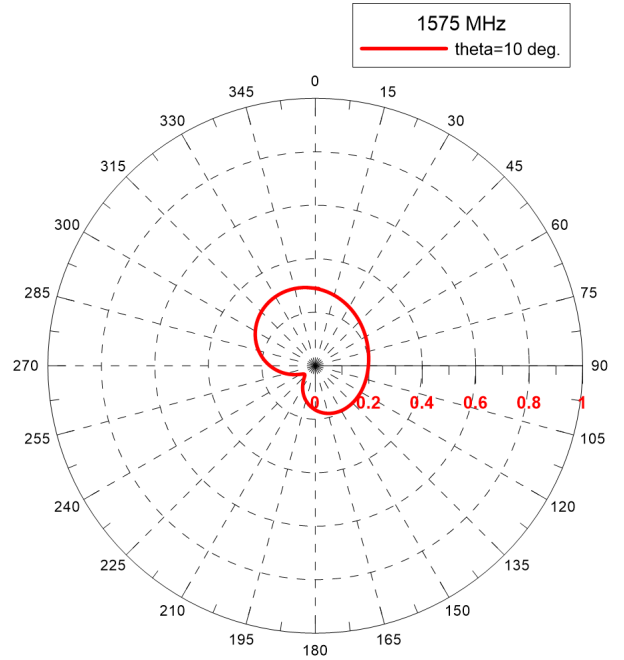
GPS Axial Ratio-Elevation cut



GPS RHCP Gain-Azimuth cut



GPS Axial Ratio-Azimuth cut



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