

# M1575HCT-GN

HIGH PERFORMANCE GPS PASSIVE ANTENNA

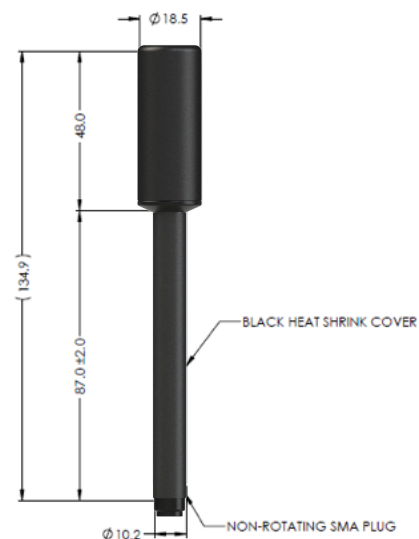
Part #: 100-00146-01

## 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.

## 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 $\Omega$
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



## Mechanical Specifications

dimensions are in mm

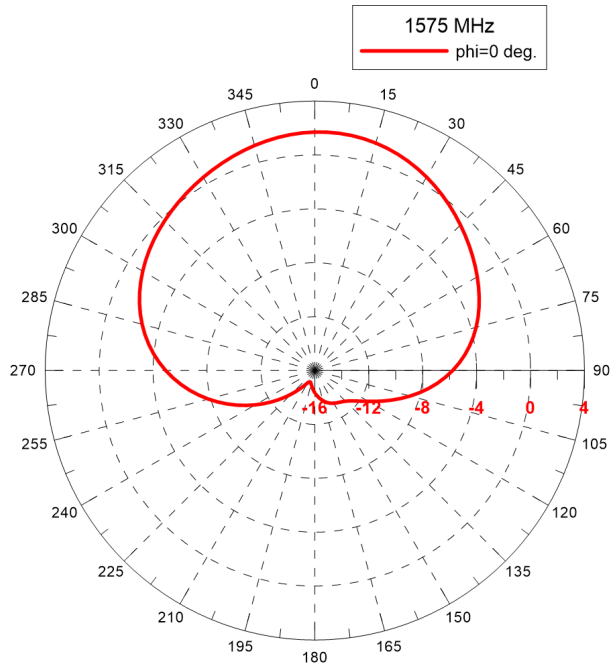
## Features

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

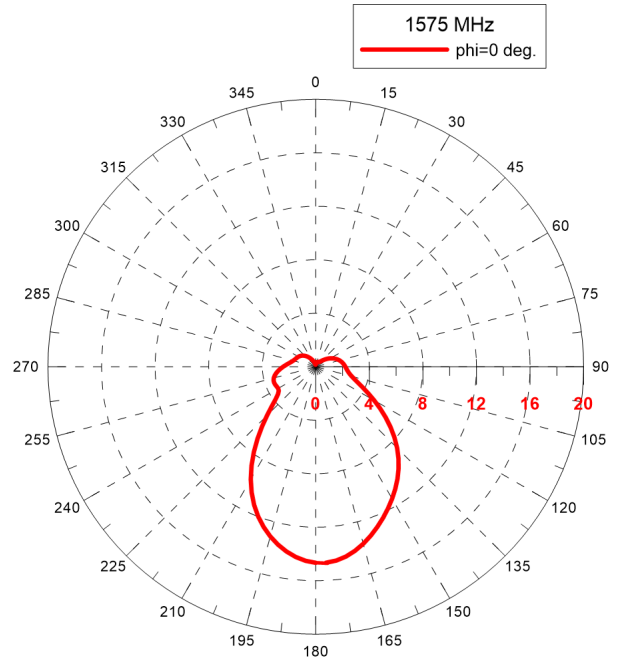
## Applications

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

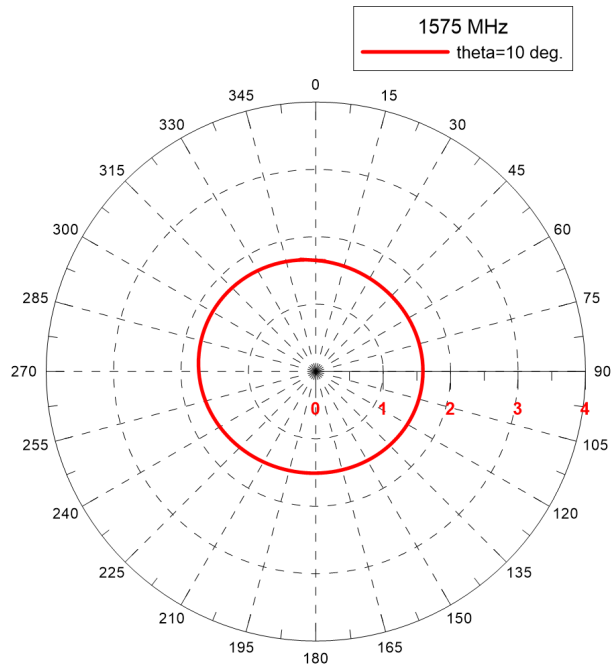
GPS RHCP Gain-Elevation cut



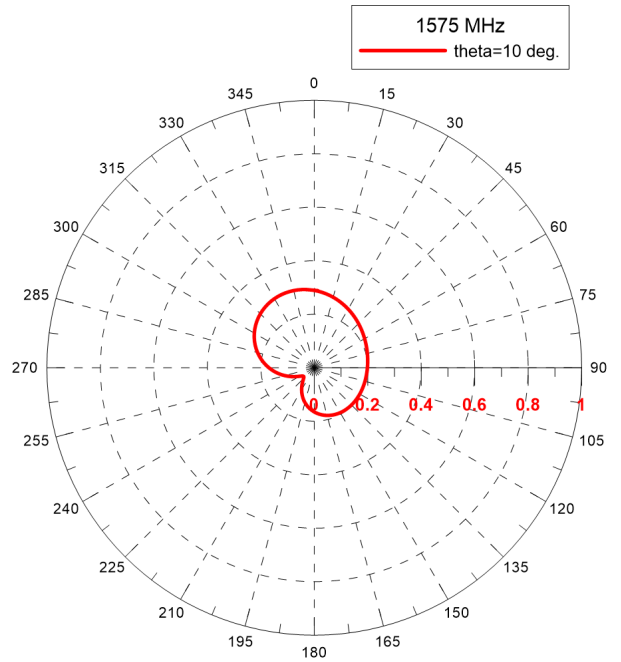
GPS Axial Ratio-Elevation cut



GPS RHCP Gain-Azimuth cut



GPS Axial Ratio-Azimuth cut



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