

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

Features

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

Applications

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

Electrical Specifications

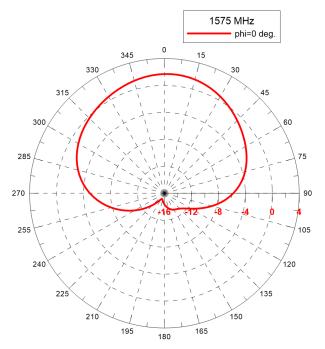
Parameter	Specification
Frequency	1575 MHz (GPS)
Polarization	RHCP
Antenna Element Peak Gain	1.8 dBic (GPS)
Axial Ratio	0.2 dB (typical)
VSWR	1.5 (max)
Impedance	50 Ω
Operating temp.	from -30°C to 60°C
RF Connector	SMA male
Overall dimensions	135 mm (height) x 18.5 mm (diameter)
Weight	45 grams



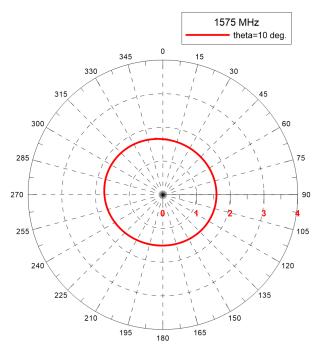
Maxtena Inc. 7361 Calhoun Place, Suite 102 Rockville, MD 20855 1-877-629-8362 info@maxtena.com

www.maxtena.com

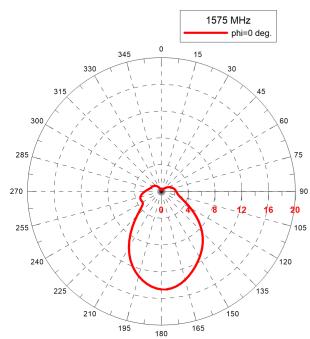
GPS RHCP Gain-Elevation cut



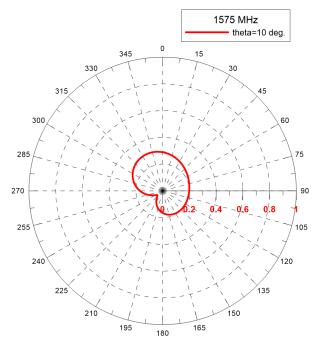
GPS RHCP Gain-Azimuth cut



GPS Axial Ratio-Elevation cut



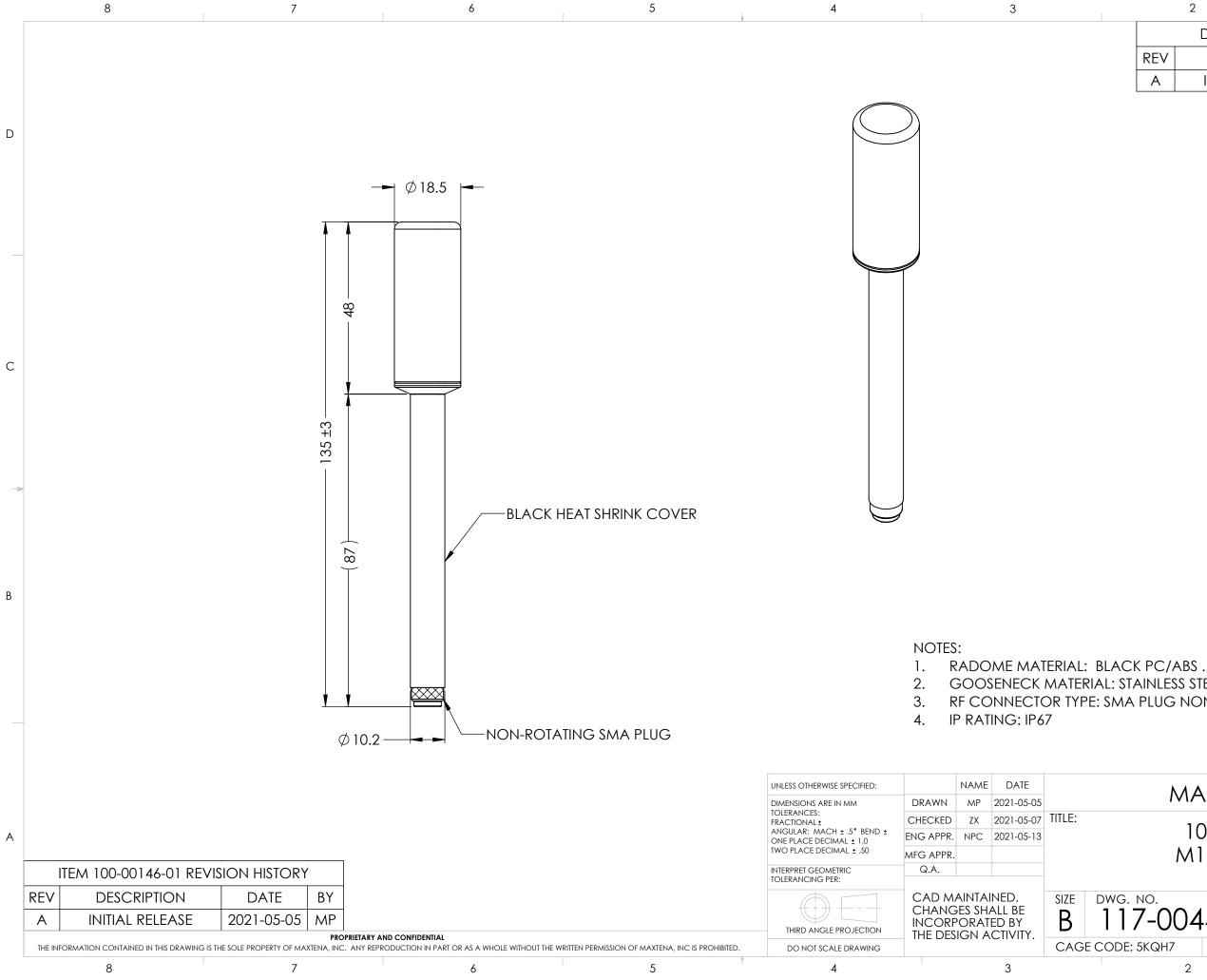
GPS Axial Ratio-Azimuth cut





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DRAWING REVISION HISTORY				
REV	DESCRIPTIC	ЛС	DATE	BY
Α	INITIAL RELE	ASE	2021-05-05	MP

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GOOSENECK MATERIAL: STAINLESS STEEL WITH BLACK COATING. RF CONNECTOR TYPE: SMA PLUG NON-ROTATING.

MAXTENA, INC

100-00146-01 M1575HCT-GN

vg. no. 17-004	REV A		
DDE: 5KQH7	SCALE: NONE	SHEET 1 OF 1	
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