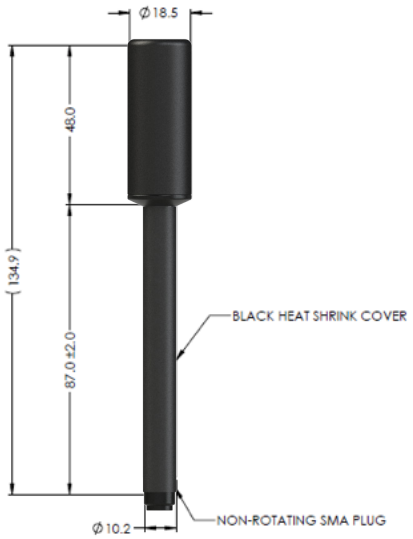
M1610HCT-GN

GPS/GLONASS/IRIDIUM PASSIVE ANTENNA

Part #: 100-00149-01



Mechanical Specifications

dimensions are in mm

Description

The M1610HCT-GN is a high performance antenna designed for the Iridium network and GPS/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 M1610HCT-GN is rated IP-67 when mounted for added protection. This product is designed for applications requiring high quality Iridium, GPS and Glonass reception.

Electrical Specifications

Parameter	Specification
Frequency	1575 MHz (GPS) 1602 MHz (Glonass) 1621 MHz (Iridium)
Polarization	RHCP
Antenna Element Peak Gain	-3.8 dBic (GPS) -1.7 dBic (Glonass) 2.0 dBic (Iridium)
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
- OII & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Handheld devices
- Law enforcement

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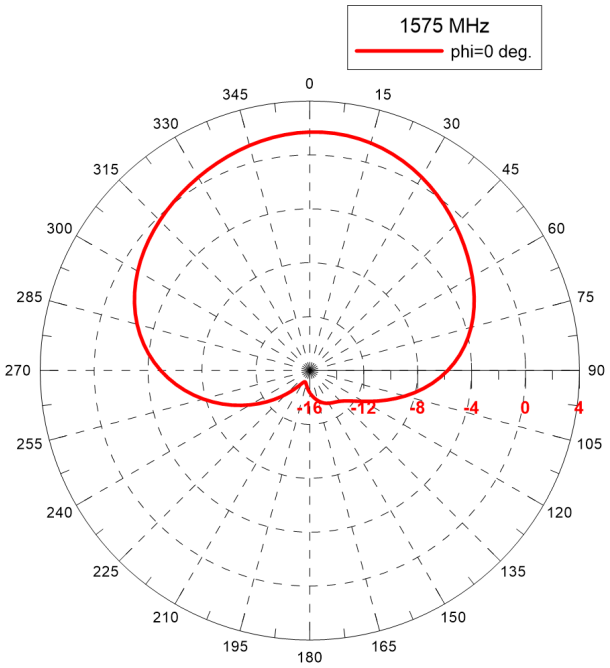
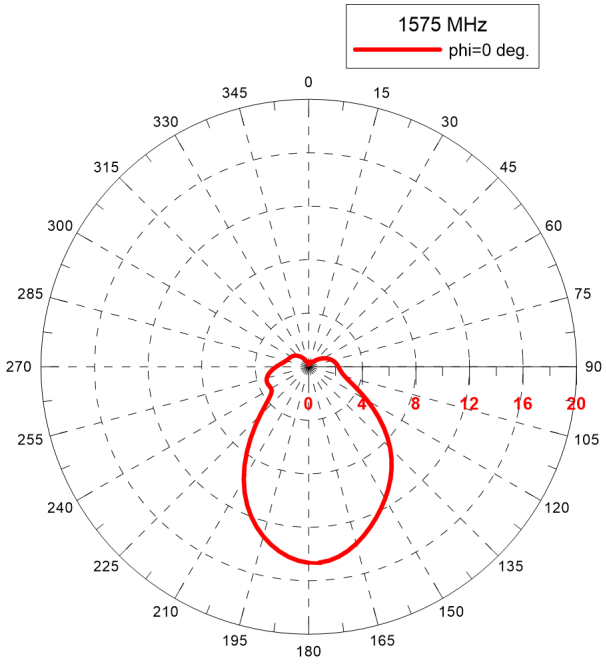
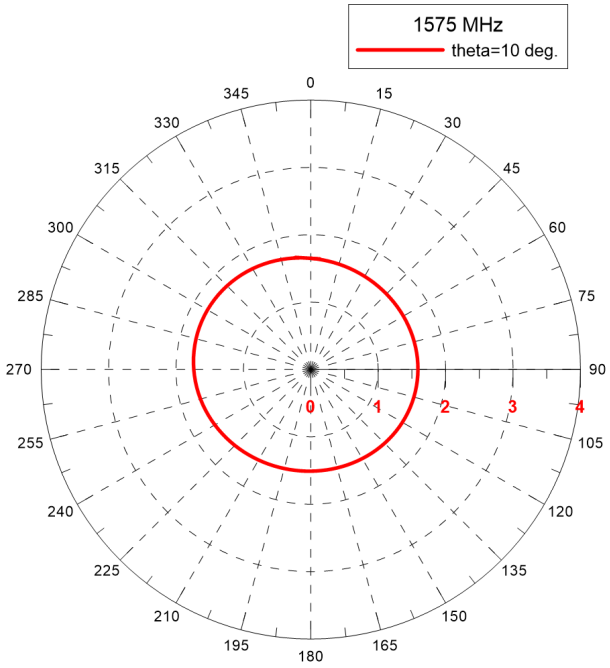
GPS RHCP Gain-Elevation cut



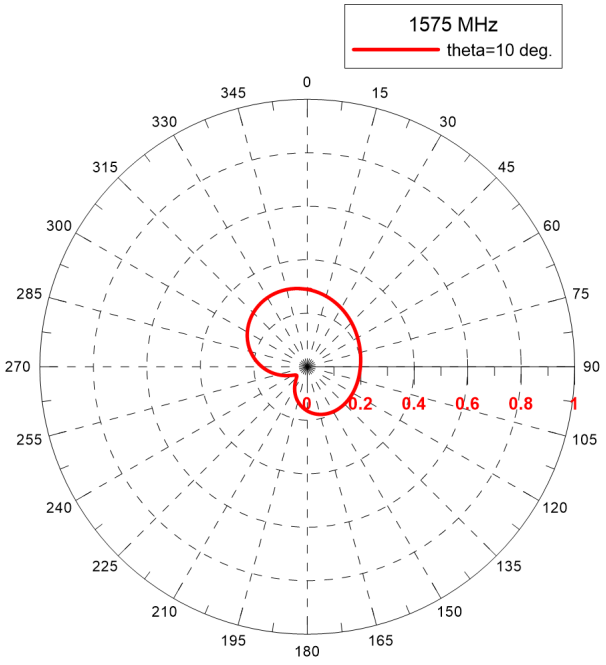
GPS Axial Ratio-Elevation cut



GPS RHCP Gain-Azimuth cut



GPS Axial Ratio-Azimuth cut



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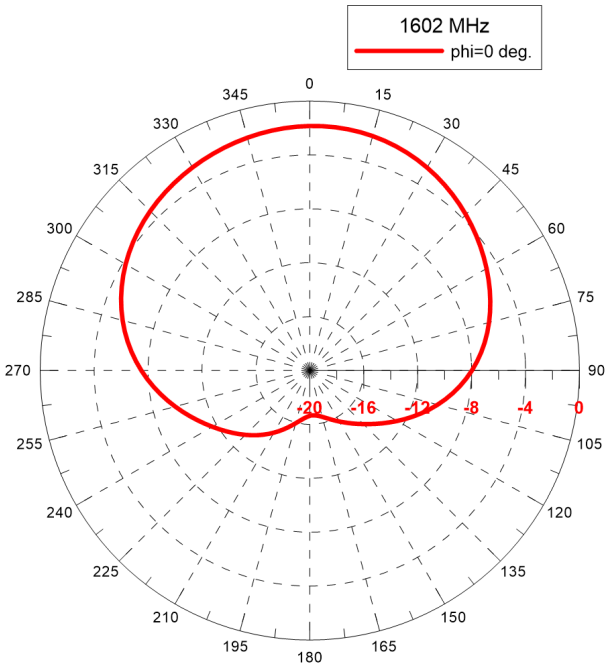
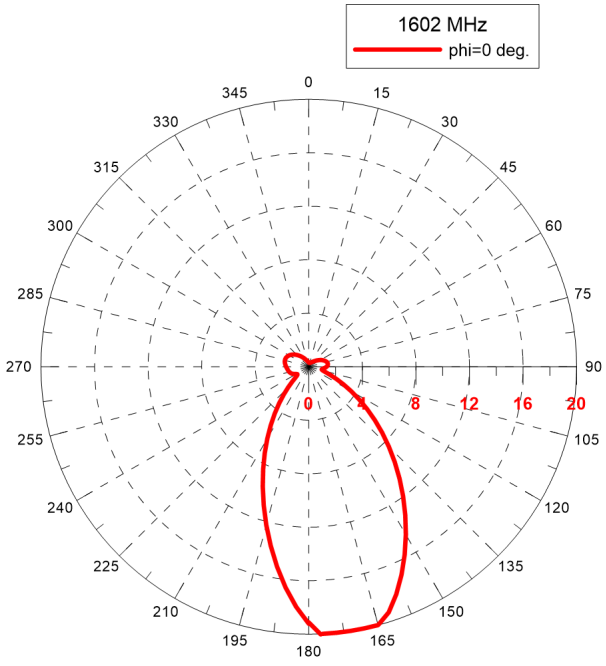
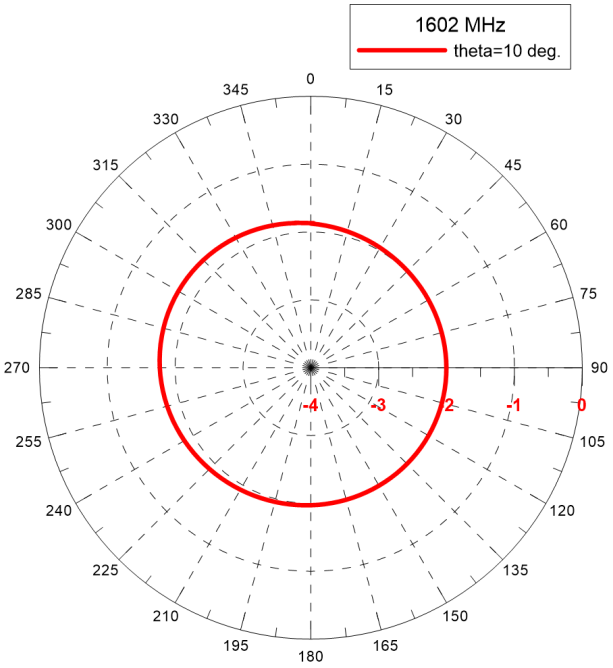
Glonass RHCP Gain-Elevation cut



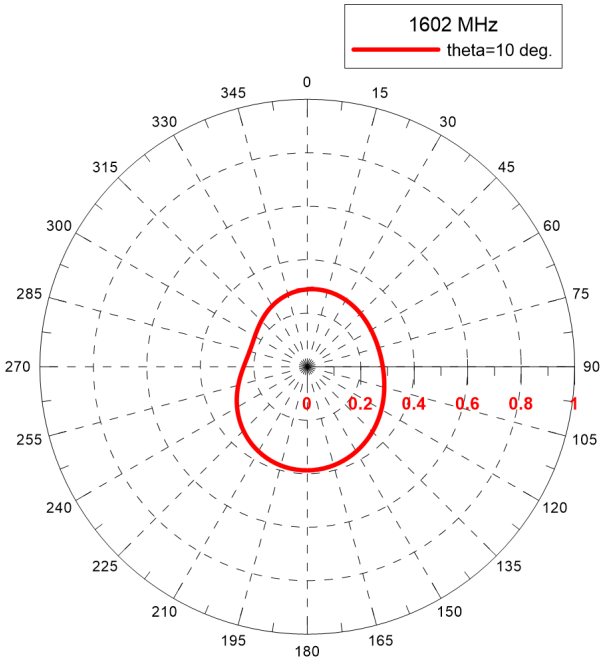
Glonass Axial Ratio-Elevation cut



Glonass RHCP Gain-Azimuth cut



Glonass Axial Ratio-Azimuth cut



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