

Part #: 100-00147-01

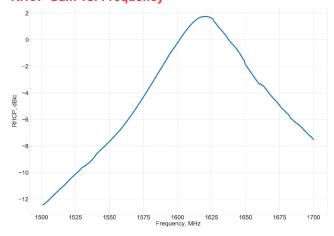


The M1621HCT-GN is a high performance antenna designed for the Iridium network. The antenna is built on proprietary Maxtena Helicore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1621HCT-GN is rated IP-67 when mounted for added protection. This product is designed for applications requiring high quality Iridium reception.

Electrical Specifications

Parameter	Specification
Frequency	1621 MHz (Iridium)
Polarization	RHCP
Antenna Element Peak Gain	2.0 dBic (Iridium)
Axial Ratio	0.25 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

RHCP Gain vs. Frequency





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



