



# M1600HCT-P-SMA

## IRIDIUM/GPS/GLOASS PASSIVE ANTENNA

Ordering Part #: 100-00050-01



### Description

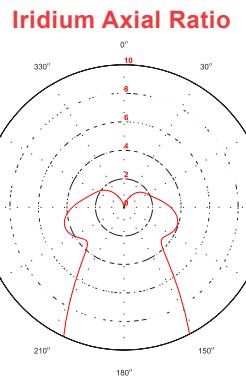
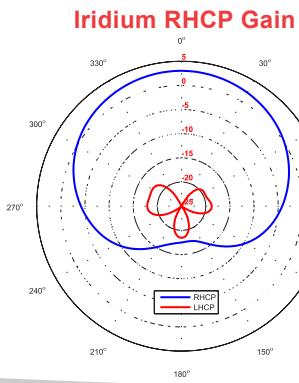
The M1600HCT-P-SMA is a high performance antenna designed for the Iridium network and GPS/GLONASS bands, and built on proprietary Maxtena Helicore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1600HCT-P-SMA is a screw-on design, featuring an integrated SMA connector and is rated IP-67 when mounted for added protection. This product is designed for applications requiring high quality GPS, GLONASS and Iridium satellite reception.

### Electrical Specifications

Parameter	Design Specifications
Frequency	1616-1626 MHz (Iridium) 1575 MHz (GPS) 1602 MHz (GLONASS)
Polarization	RHCP
Antenna element peak gain	2.8 dBi (Iridium) -3 dBi (GPS) 0 dBi (GLONASS)
Axial Ratio	0.5 dB (typical) / 1 dB (max)
VSWR	1.5 (max)
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C
RF connector	SMA
Overall dimensions	48 mm (height) x 18.5 mm (diameter)
Weight	11 grams

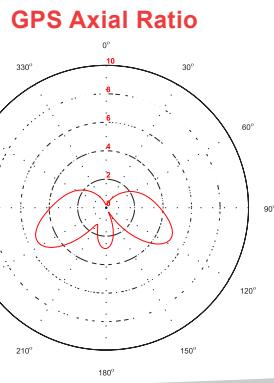
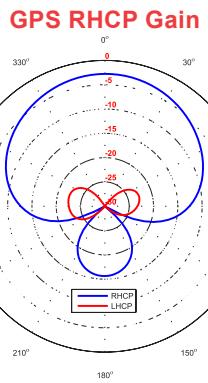
### Iridium Network Typical Performance

Parameter	Design Specifications
Antenna element peak gain	2.8 dBi (typical)
Efficiency	60% (typical)
Axial Ratio (@ Zenith)	0.5 dB (max)



### GPS Band Typical Performance

Parameter	Design Specifications
Antenna element peak gain	-3 dBi (typical)
Efficiency	20% (typical)
Axial Ratio (@ Zenith)	0.5 dB (max)



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