

# M1621HCT-SMA

## Iridium Certified Antenna

### Description

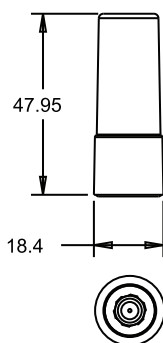
M1621HCT-SMA is a high performance antenna designed for the Iridium band, built on proprietary Maxtena HeliCore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1621HCT-SMA is a screw-on design, featuring an integrated SMA connector. This product is ideal for applications requiring minimal integration effort or for retrofitting existing products. The design is equipped with an O-ring that makes the antenna waterproof once installed on a mating surface.



Image does not reflect the actual size of the antenna

### Mechanical Specifications

dimensions are in mm



### Electrical Specifications

Parameter	Design Specifications
Frequency	1616-1626 MHz
Polarization	RHCP
Antenna element peak gain	2.8 dBic (typical)
Efficiency	60%
Bandwidth (-1dB)	20 MHz
Axial ratio	0.2 dB (typical) / 0.5 dB (max)
VSWR	1.5 (max)
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C
RF connector	SMA

### Features

- Optimized for the Iridium network
- Very low axial ratio
- SMA interface
- Ground plane independent

### Applications

- Iridium (SBD) Short Burst Data
- Vehicle & fleet tracking
- Military & security
- Asset tracking
- PDAs and laptops
- Oil & gas industries
- Navigation devices
- Law enforcement
- LBS & M2M applications

### Realized gain plot

Measured at 1621 MHz

