

M1621HCT-UFL

Iridium Certified Antenna

Description

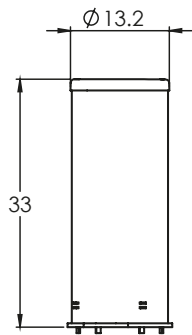
The M1621HCT-UFL is a high performance antenna designed for the Iridium band, built on proprietary Maxtena HeliCore® technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1621HCT-UFL comes with an integrated coaxial cable with U.FI connector. Cable length and connector can be customized upon request. This antenna requires the sale of service ahead of the sale of antenna, such as feasibility studies, prototyping, and chamber measurement. The antenna is mounted on the inside of the applications housing, allowing it to be hidden. The antenna element is custom tuned to the applications enclosure.



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 | 2.5 dBic (typical with 50 mm cable) |
| Efficiency | 55% |
| 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 | U.FL |

Features

- Optimized for the Iridium network
- Very low axial ratio
- U.FL 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

