Telecom, navigation

GPS-IRIDIUM DUAL BAND ANTENNA

Innovative technology combining the GPS and Iridium frequency in a single, printed antenna

Technological advantages

A compact, light-weight dual band antenna

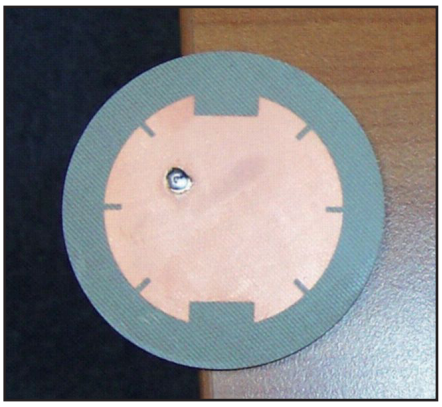
Product takes up very little space
Minimised dimensions

Optimised technology

Excellent polarisation performances
High antenna gain
Wide range of operating temperatures (-40°C to +60°C)
Simple, patch-type design
System using printed circuit boards
Easy to integrate

Typical mechanical characteristics and performance:

Diameter: 70 mm
Height: 6.4 mm
Frequency, GPS antenna receiver: 1575.42 MHz (+/-14 MHz)
Frequency, Iridium antenna transmitter/receiver: 1618.25 MHz (+/-8.25 MHz)



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Axial view of antenna

Overview of invention

Innovative slot system in ground plane makes it possible to expand the operational band and cover both GPS and Iridium frequencies on a single antenna with a single connector.

Bénéfices commerciaux

Reliable system based on simple design

High-performance technology
Qualified prototype

A sound investment

Reduced production costs
Low operating costs for this type of antenna
Simple, repeatable manufacturing process
Reliable, easy to use technology

Potential applications

- **Aviation industry: drones**
- **Land vehicles**
- **Balloons**

Patented invention, available under license
Pre-industrialisation in progress

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