

# Comant CI 490-22

Iridium™ SATCOM

**COBHAM**

2008 Data Sheet

The most important thing we build is trust

## CI 490-22 Iridium™ SATCOM

Dual-band passive antenna operates at Iridium™ frequencies, with continuous transmit and receive coverage from 1616 to 1626.5 MHz. Can also operate separately as a passive GPS antenna.

The ComDat CI 490-22 is a high performance communications antenna specifically designed for Iridium™ systems, and features our standard round-format footprint and mounting.

Through a constellation of 66 low-earth orbiting (LEO) satellites, Iridium™ delivers essential communications services to and from areas where terrestrial communication are not available.

## Applications

Most aircraft up to and including business jets. Consult your FBO or installation shop for best application information.

## Frequencies Covered

Iridium™ 1616-1626.5 MHz  
GPS 1575.42 +/- 10 MHz

## Specifications

### RF Characteristics

Iridium TX/RX 1616-1626.5 MHz

GPS 1575.42 MHz

VSWR 1.5:1 Maximum

Polarization RHCP

Radiation Pattern Hemispherical

Impedance RF 50 Ohms

Power Handling - TX 60 Watts

Lightning Protection DC Grounded

Gain +3 dBic @ zenith

### Mechanical

Weight 0.5 lb

Speed 330 KIAS @ Sea Level

Finish Gloss White Paint

### Federal Specifications

FAA TSO C144a

RTCA Environmental DO-160E



WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

For further information please contact:

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