

## Mast Mount Antenna Model SAF5350-A

### General Description

Model SAF5350-A is a passive L-band antenna designed to operate with the NAL Research satellite modems and tracking modems. It provides continuous coverage from 1616 to 1626 MHz specifically for the Iridium network.



### Specifications

#### Mechanical

Dimensions: 3.0" D x 6.18" H  
(7.6 cm x 15.7 cm)  
Weight: 10.2 oz. (293 g)  
Finish: Weather Polymer White  
Connector: TNC Female Connector  
(Option: TNC, BNC or SMA)

#### Environmental

Operating Temperature: -40°F to +185°F  
(-40°C to +85°C)  
Operating Altitude: 20,000 ft (6 km)

#### Electrical

Frequency: 1616 to 1626 MHz  
Radiation Pattern: Hemispherical  
Polarization: Right Hand Circular  
VSWR: Less than 2.0 : 1  
Radiation Coverage: +0.04 dBic  $\theta = 0^\circ$   
+1.4 dBic  $0^\circ < \theta < 45^\circ$   
-0.25 dBic  $75^\circ < \theta < 82^\circ$   
Axial Ratio: 3 dB Max.  
Impedance: 50 Ohms  
Power Handling: 1 Watt  
Cable loss between antenna and modem: Must be kept < 3dB

\*All dimensions are in inches

