

Innovative, Military-Grade, Global SATCOM, and A-PNT Solutions

# SAF9704 Antenna

## **Applications**

- Asset, Vehicle, & Fleet Tracking
- Location Based Services & M2M Applications
- UAV / Drones
- High Quality Voice

- Navigation Devices
- Military, Security, Maritime, & IoT
- Mining Equipment

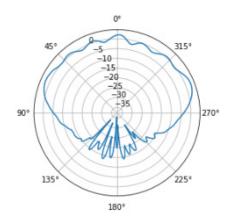
# Description

The SAF9704 is a passive antenna designed to interface with the Iridium Certus 9770 voice and data receiver. The antenna operates on the L-Band network at speeds that range from 22 kbps to 88 kbps. The antenna, when paired with a Certus 9770 transceiver, has the capability of making transmissions 35x faster than other receivers. The SAF9704 antenna has highly symmetrical radiation patterns, guaranteeing no weak reception or blind spots.

#### SAF9704



### Iridium Radiation Pattern



## Specifications

| ELECTRICAL      |                                            |
|-----------------|--------------------------------------------|
| Frequency:      | 1616.0 - 1626.5 MHz                        |
| VSWR:           | ≤ 1.8:1                                    |
| Gain:           | 3 dBic Max                                 |
| Impedence:      | 50 Ω                                       |
| Polarization:   | RHCP                                       |
| MECHANICAL      |                                            |
| Weight:         | 13 oz.                                     |
| Diameter:       | 3.50 in.                                   |
| Material:       | 6061-T651 Aluminum Alloy/Thermoset Plastic |
| Finish:         | Skydrol Resistant Polyurethane Enamel      |
| Connector:      | TNC Female                                 |
| ENVIRONMENTAL   |                                            |
| Operating Temp: | -55°C - +70°C (+158°F)                     |
| Altitude:       | 55,000 ft.                                 |



