

SAF9701 Antenna

Applications

- Data Streaming
- Asset, Vehicle, & Fleet Tracking
- LBS & M2M Applications
- UAV / Drones
- High Quality Voice
- Navigation Devices
- Military, Security, Maritime, & IoT
- Mining Equipment

Description

The SAF9701 is a high performance antenna designed for the Iridium SFX/RUDICS /SBD network, and built on proprietary Maxtena Helicore® Technology. The Helicore technology provides exceptional pattern control, polarization purity and high efficiency in a very rugged and compact form factor. The omnidirectional antenna pattern allows this antenna to be easily installed in any location. This antenna is designed to work with both Iridium voice and data modems including Iridium 9601, 9602N, 9603N, 9523N, 9522B and 9770 SFX. The antenna features a TNC jack connector and optional mounting brackets for easy installation. The antenna is IP66 rated and optimized for harsh environments on both land and maritime applications.

Key Features

- Highly symmetric radiation pattern guarantees no weak reception or blind spots
- Low axial ratio ensures multipath error is mitigated
- IP66 & ROHS compliant

Specifications

Frequency:	1616 - 1626 MHz
Gain (RHCP):	2.3 dBic at zenith
Beamwidth:	126°
Bandwidth:	10 MHz
Axial Ratio:	<3.8dB at zenith
VSWR:	1.6 (max)
Impedance:	50 Ohms
Operating Temperature:	-40°C - +85°C
Weight:	100g

SAF9701



Iridium Radiation Patterns

