



MEA-1621-MT-MA

Iridium High Performance Screw Mount Antenna

Part #: 100-00227-01

Description

The MEA-1621-MT-MA is an external antenna designed for the Iridium Network. The antenna provides exceptional pattern control, polarization purity and high efficiency. It offers excellent performance at low orbit and a sleek, and offers robust pole-to-pole coverage. The MEA-1621-MT-MA is low profile design antenna with easy mounting, featuring a standard SMA-Male connector and a 300cm long LL195W cable and is rated IP-67 when mounted. It can be used to boost the performance of the Iridium handsets among other uses.

This low profile antenna is a screw mount antenna with rugged ABS plastic housing and is ideal for the most demanding environmental challenges. The MEA-1621-MT-MA provides outstanding performance for any telematics and fleet management application.



Electrical Specification

Parameter	Specification
Frequency Range	1616-1627 MHz
Band	1621 MHz
Return Loss	-18.8 dB
VSWR	1.2:1
Efficiency	76%
Peak Gain	4.5 dBi
Average Gain	-1.1dB
Impedance	50 Ω
Axial Ratio	≤ 3 dB
Polarization	RHCP
Radiation Pattern	Hemispherical

Mechanical Specification

Parameter	Specification
Antenna Dimensions	$\varnothing 74 \times 34.7$ mm
Weight	202 g
Operating Temperature	-40°C to + 85°C
Mounting Type	Screw Mount
Connector	SMA Male
Radome/Color	ABS/ White
Substance Compliance	RoHS
Certificates	Iridium Certified, IP67

Features

- Optimized for Iridium Network
- High Performance
- High efficiency & 4.5 dBic Iridium Peak Gain
- Easy Mounting: Screw Mount
- Ground Plane Independent
- Rugged design
- Customizable Cable and Connector
- Low profile: $\varnothing 74 \times 34.7$ mm
- IP67

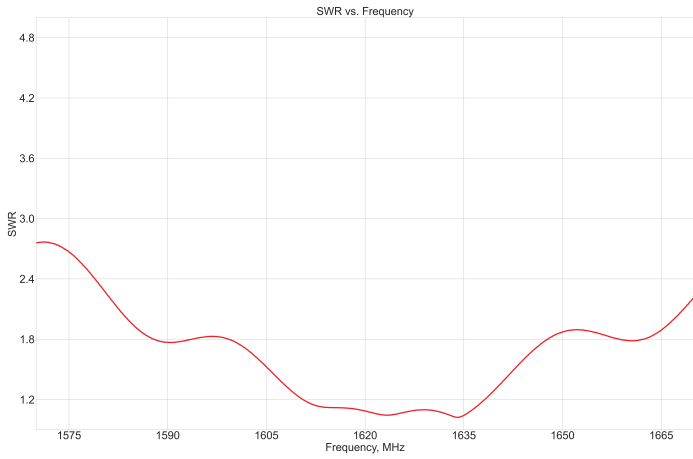
Applications

- Satellite Communication
- Marine Applications
- Critical Communications
- Weather Monitoring
- Military & security
- Asset tracking
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications



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