



MEA-1621-SM

External Iridium Antenna Screw Mount

Part #: 189-00060-01

Description

The MEA-1621-SM is an external rugged antenna designed for the Iridium Network. The antenna provides exceptional pattern control, polarization purity and high efficiency. It is a low profile design with an easy mounting, featuring one cable with an integrated SMA connector. It can be used to boost the performance of the Iridium hand-held satellite phones 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-SM provides outstanding performance for any Iridium SBD telematics and IOT applications.

Electrical Specifications

Parameter	Specification
Standards	Iridium
Frequency Range	1616-1627 MHz
Band	1621 MHz
Return Loss	-12.5 dB
V.S.W.R	1.6:1
Peak Gain	4.5 dB
Average Gain	1.2 dB
Efficiency	76.6%
Polarization	RHCP
Radiation Pattern	Hemispherical

Mechanical Specifications

Parameter	Specification
Antenna Dimensions	80 x 74 x 43 mm
Operating Temperature	-40 °C to +85 °C
Environmental	IP67 & IP69K
Connector	SMA-Male Standard (Other Connectors Available)
Antenna Color	Black
Radome Type	ABS UV Stable
Radome Color	Black
Cable Length	200 cm Standard (Any Cable Length Available)
Cable Type	LL195 Standard (Other Cables Available)
Substance Compliance	RoHS
Mounting Type	Screw Mount

*Antenna Measurement Conditions:
Mounted on metal plate of 70x70cm



Features

- Frequency coverage: 1616-1627 MHz
- Easy mounting: Screw Mount
- Optimized for Iridium network
- High Performance
- Ground Plane Independent
- Anti-Rotation Mechanism
- Customizable Cable and Connector
- Small size: Dimensions 80 × 74 × 25.6 mm
- ROHS Certified
- Rugged housing
- IP67
- IP69

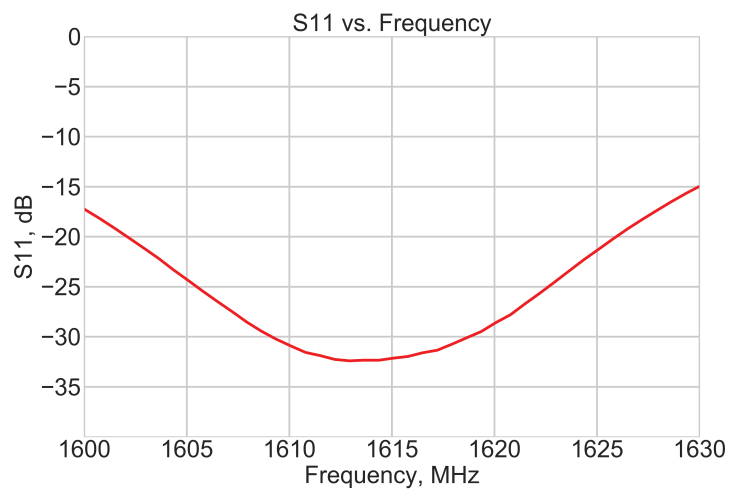
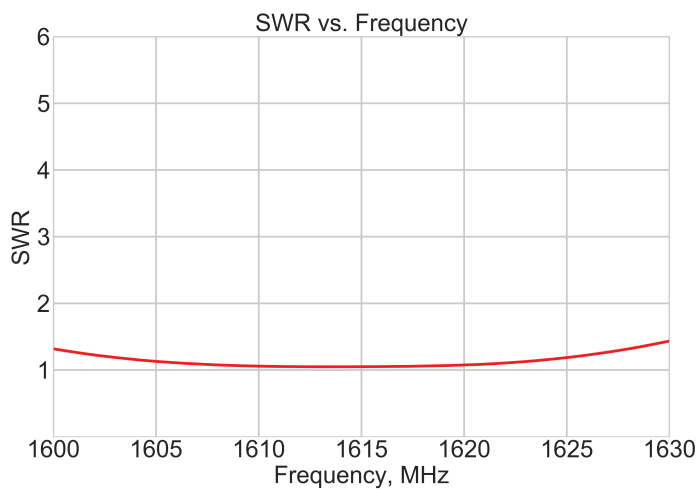
Applications

- Vehicle and fleet tracking
- Satellite communications
- Military & security
- Asset tracking
- Emergency communication
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Mining equipment
- Environmental Monitoring
- LBS & M2M applications



Maxtena Inc.
7361 Calhoun Place, Suite 102
Rockville, MD 20855
1-877-629-8362
info@maxtena.com

www.maxtena.com



Maxtena Inc.
7361 Calhoun Place, Suite 102
Rockville, MD 20855
1-877-629-8362
info@maxtena.com
www.maxtena.com

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