



MEA-1621

IRIDIUM CERTIFIED PASSIVE ANTENNA

Ordering Part #: TBD

Description

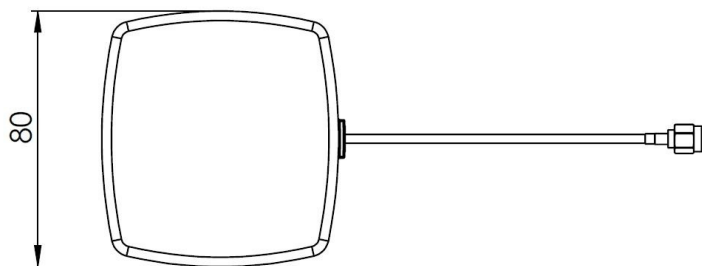
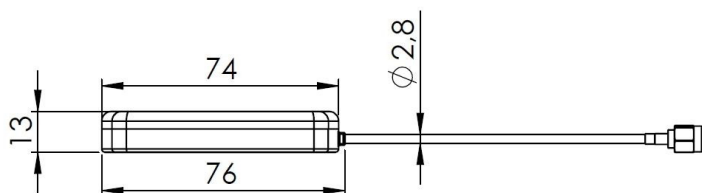
The MEA-1621 is an external antenna designed for the Iridium Network and is Iridium Certified. The antenna provides exceptional pattern control, polarization purity and high efficiency. It offers excellent performance at low orbit and a sleek, low profile design with easy mounting, featuring an integrated SMA connector and is rated IP-67 when mounted and unmounted. It can be used to boost the performance of the Iridium handsets among other uses. This low profile antenna is a magnet mount antenna with rugged ABS plastic housing and is ideal for the most demanding environmental challenges. The MEA-1621 provides outstanding performance for any telematics and fleet management application.

Connection Specifications

Iridium			
Cable type	Cable length	Connector type	Mounting
LMR100	150cm	SMA male	Magnet Mount

Mechanical Specifications

Material	Max. dimensions	Color	Weight
ABS	13mm x 80mm x 76mm (H x L x W)	Black	70 g w/cable



Features

- Optimized for Iridium Network
- Very low axial ratio
- Excellent performance at low orbit
- Easy mounting
- 150cm cable length
- LM4100 cable
- Rugged housing

Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Handheld devices
- Law enforcement





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Electrical Specifications

Iridium

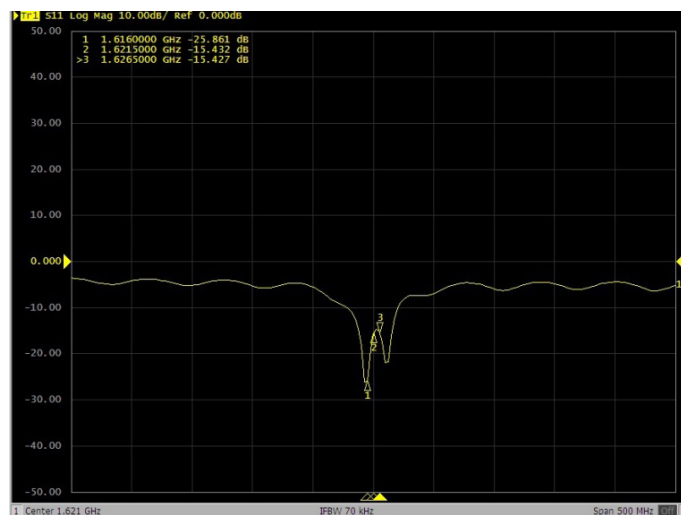
Parameter	Design Specifications
Frequency	Iridium 1616-1626 MHz
Impedance	50 Ohms
Polarization	RHCP
Gain	3 dBiC
VSWR	<1.5:1

General

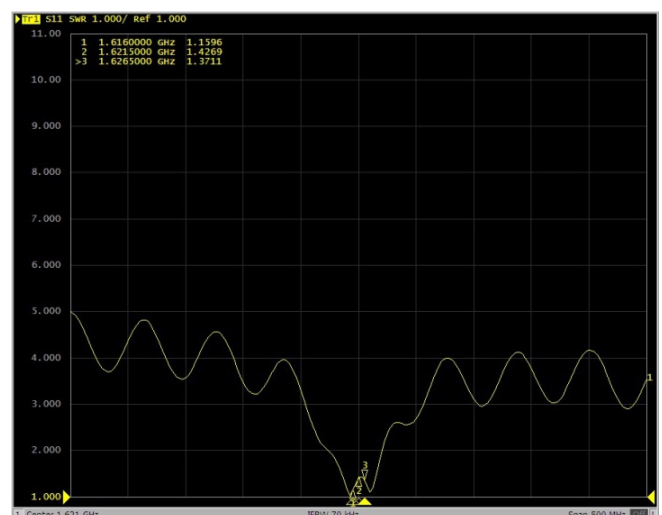
Parameter	Design Specifications
Operating Temperature	-40°C to +85°C
Patch Size	35 x 35 x 3 (mm)

Measurement

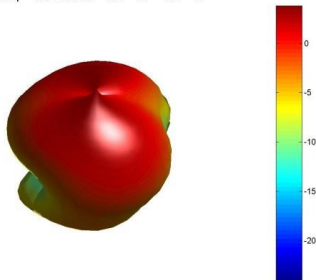
Log Mag



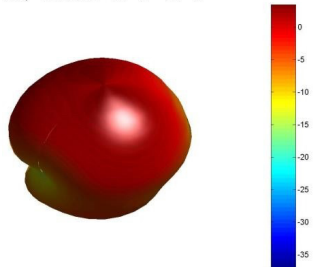
VSWR



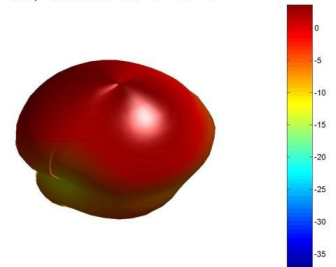
Freq = 1.616GHz Az= 45 EL= 45



Freq = 1.621GHz Az= 45 EL= 45



Freq = 1.626GHz Az= 45 EL= 45



Mouser Electronics

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