

Product Datasheet

SCM-IRID-PAS

IRIDIUM Screw Mount

Key Features

IRIDIUM

- 1616-1627 MHz

Screw Mount

High Performance

Ground Plane Independent

TNC Female Bulkhead Connector

Dimensions 116 x 110 x 74 mm

Certificate IP67



1. Antenna and electrical specifications

Parameters	Iridium Antenna
Standards	Iridium
Bands (MHz)	1621
Frequency (MHz)	1616-1627
Return Loss (dB)	~-18.8
VSWR	~1.2:1
Efficiency (%)	~76
Peak Gain (dBiC)	~4.5
Average Gain (dB)	~-1.1
Impedance (Ohm)	50
Axial Ratio (dB)	3 Max
Radiation Pattern	Hemispherical
Polarization	RHCP
Connector Type	TNC Female Bulkhead Connector
Cable Length (m)	No Cable - Connector inside antenna housing
Cable Type	Any Type of Cable Lead can be ordered separately

Antenna Measurement Conditions:

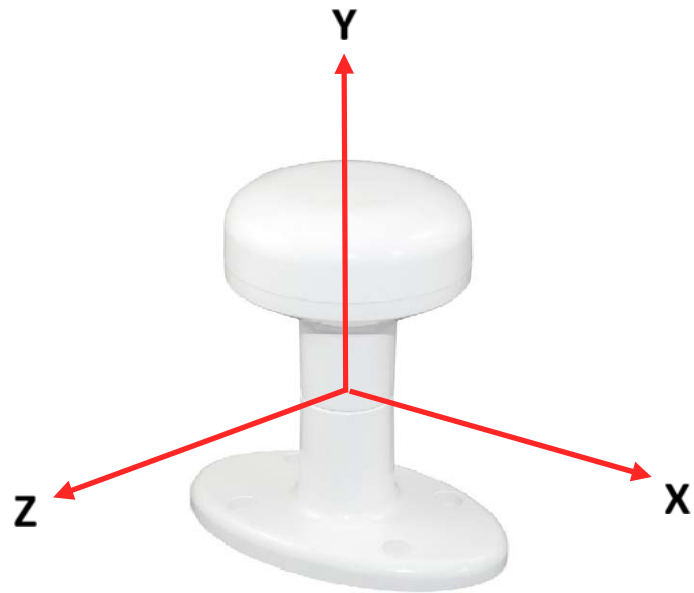
Mounted on 70x70 cm Ground Plane

No Cable

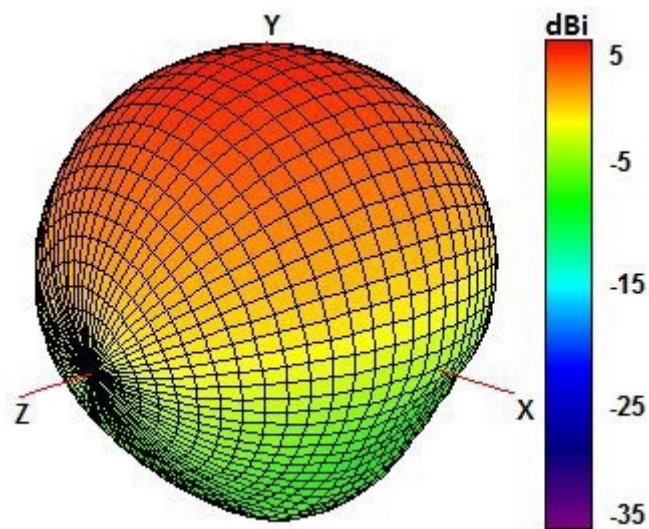
Measured in Certified CTIA 3D Anechoic Chamber

2. Mechanical and environmental specifications

Specifications	SCM-IRID-PAS
Mounting Type	Screw Mount
Dimensions (mm)	116 x 110 x 74
Randome Type	ABS
Randome Color	Black
Antenna Base	ABS
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificates	IP67
Substance Compliance	RoHS

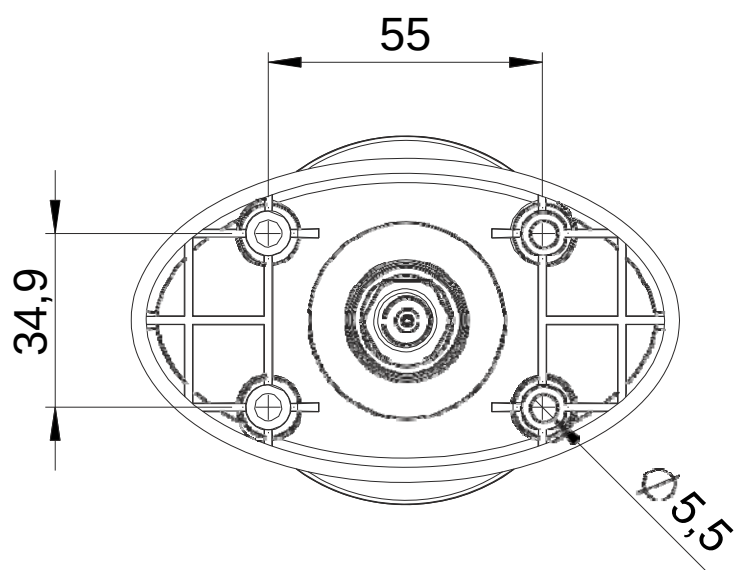
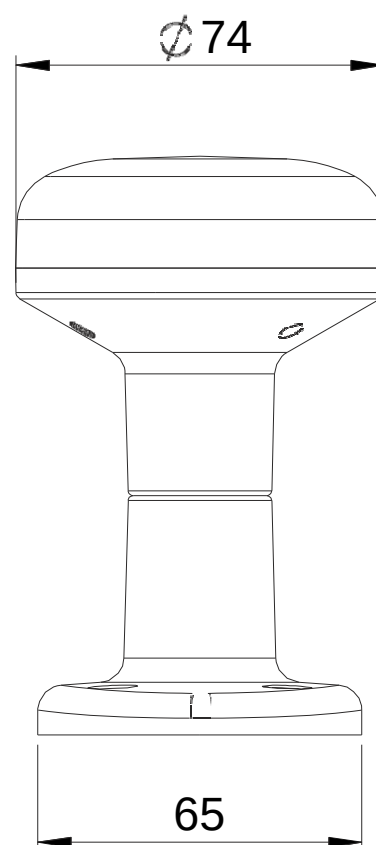
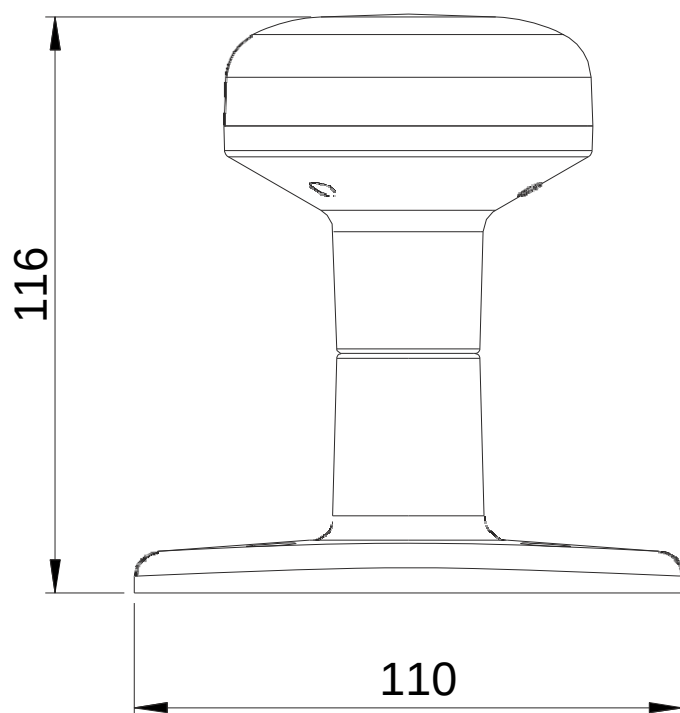


Radiation pattern reference



1621 MHz Radiation pattern

4. Antenna drawings



4. Antenna drawings



Connector inside Antenna Housing after Bracket detached

