antenna conceptor

Product Datasheet

# 2J6726B

## IRIDIUM Screw Mount



## Key Features

**IRIDIUM**
- 1616-1627 MHz
Screw Mount
**Iridium Certified**
Ground Plane Independent
Customizable Cable and Connector
Dimensions Ø 77.3 × 36.5 mm
Certificates IP67, IP69K, IK09

## 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 |
| Impendance (Ohm) | 50 |
| Axial Ratio (dB) | 3 Max |
| Radiation Pattern | Hemispherical |
| Polarization | RHCP |
| Connector Type | SMA-Male Standard (Other Connectors Available) |
| Cable Length (m) | 300cm Standard (Any Cable Length Available) |
| Cable Type | LMR100 Standard (Other Cables Available) |

**Antenna Measurement Conditions:**

Mounted on 70x70 cm Ground Plane

No Cable

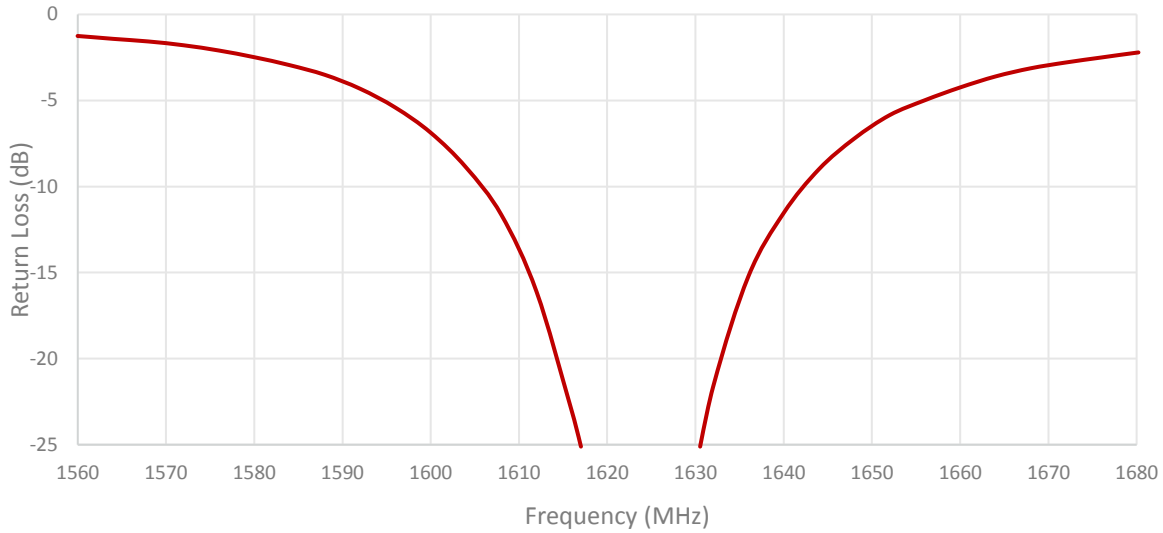
Measured in Certified CTIA 3D Anechoic Chamber

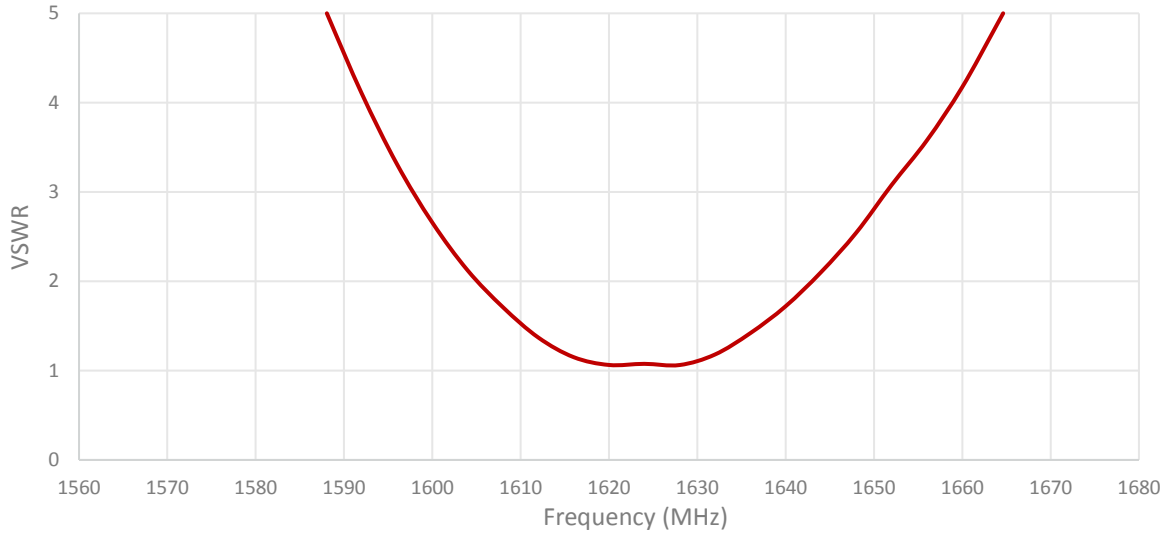
## 2. Mechanical and environmental specifications

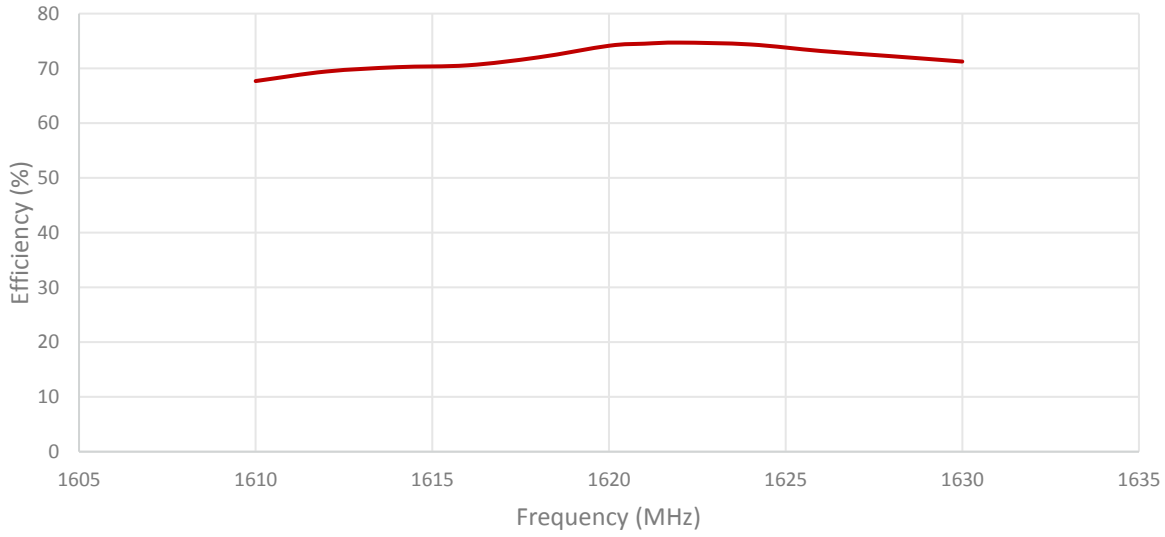
| Specifications | 2J6726B |
|---|---|
| Mounting Type | Screw Mount |
| Dimensions (mm) | Ø 77.3 × 36.5 |
| Max. Tighten Torque (Nm) | 6 Nm |
| Randome Type | ABS or ASA |
| Randome Color | Black |
| Gasket | TPE |
| Antenna Base | Zamak |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Certificates | Iridium Certified, IP67, IP69K, IK09 |
| Substance Compliance | RoHS |

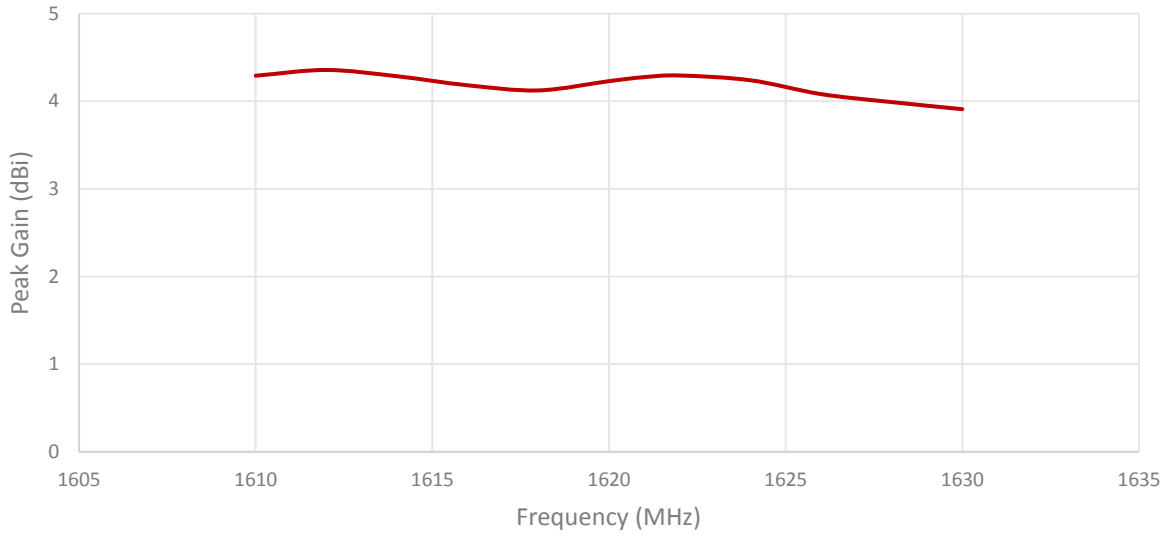
## 3. Antenna parameters

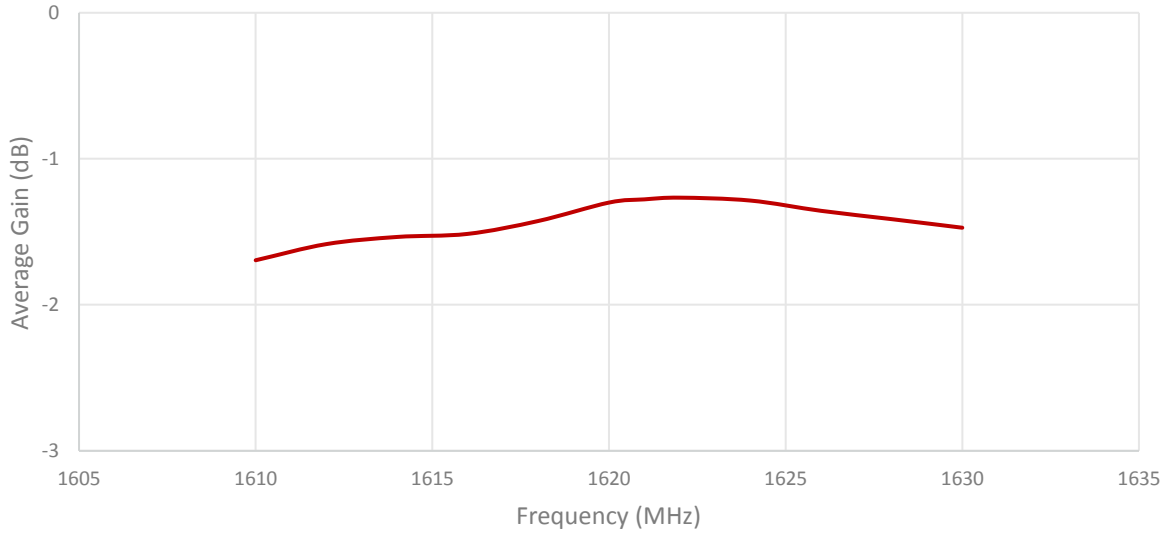
**Cable 1: IRIDIUM**

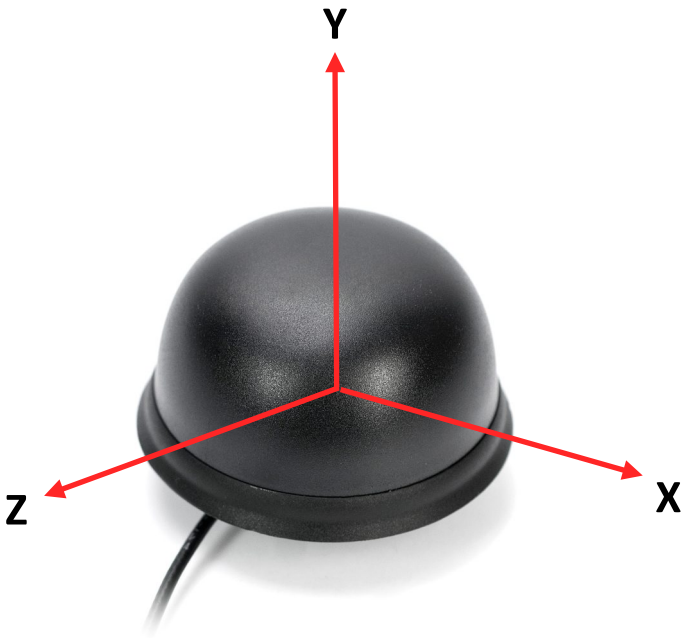



80
70
60
50
40
30
20
10
0
Efficiency (%)
1605
1610
1615
1620
1625
1630
1635
Frequency (MHz)

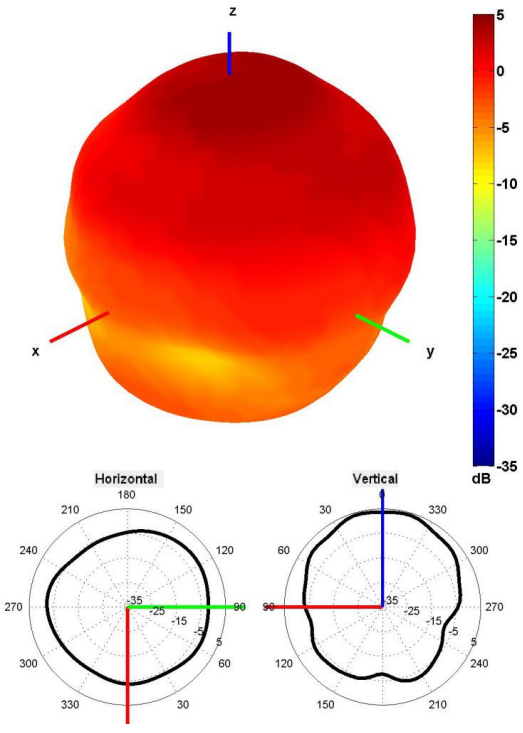

5
4
3
2
1
0
Peak Gain (dBi)
1605
1610
1615
1620
1625
1630
1635
Frequency (MHz)


0
-1
-2
-3
Average Gain (dB)
1605
1610
1615
1620
1625
1630
1635
Frequency (MHz)



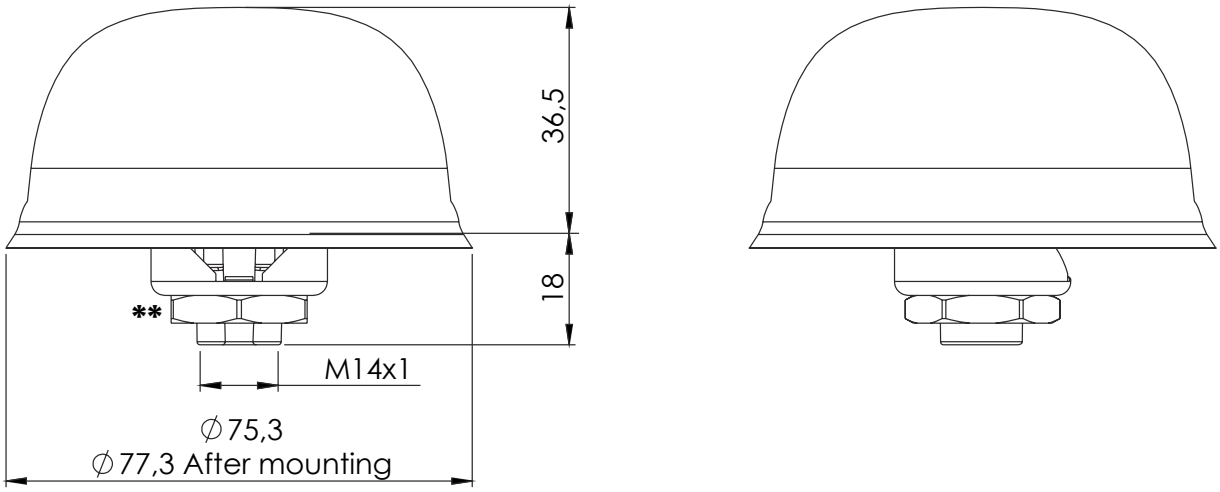

Radiation pattern reference

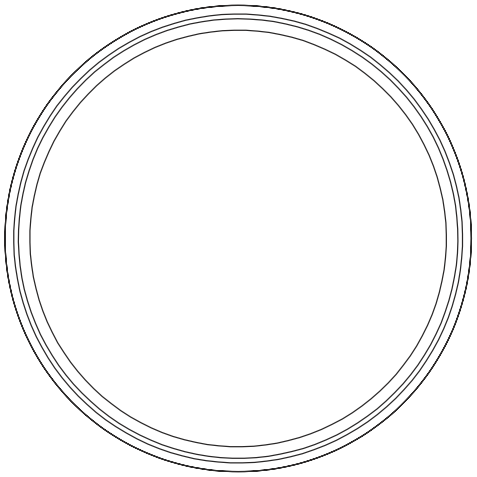
**Cable 1: IRIDIUM**

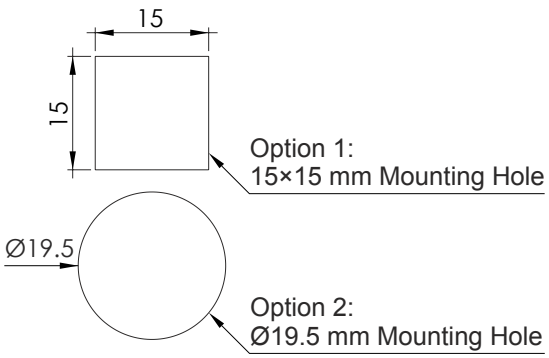



1621 MHz Radiation pattern

## 4. Antenna drawings






**Note: Dimensions are in milimeters**
***Dimensions are after mounting**
****Max. Torque= 6 Nm**

## 5. Antenna Images

