

# 2J9134BW

## IRIDIUM/GPS Screw Mount

### Key Features

#### GPS/QZSS/Galileo and IRIDIUM

- 1575 MHz
- 1616-1627 MHz

#### Iridium Certified

- Screw Mount
- High Performance
- Compact Marine antenna
- Single Feed Technology
- Ground Plane Independent
- Customizable Cable and Connector
- Dimensions  $\varnothing 74 \times 34.7$  mm
- Certificates: IP67



## 1. Antenna and electrical specifications

Cable 1

Parameters	GNSS and IRIDIUM Screw Mount Antenna	
	GPS/QZSS/Galileo	IRIDIUM
<b>Standards</b>	GPS/QZSS/Galileo	IRIDIUM
<b>Bands (MHz)</b>	1575	1621
<b>Frequency (MHz)</b>	1575.42	1616 - 1627
<b>Return Loss (dB)</b>	~-27.6	~-21.6
<b>VSWR</b>	~1.1:1	~1.3:1
<b>Efficiency (%)</b>	~93.8	~92.9
<b>Peak Gain (dBi)</b>	~5.1	~5.7
<b>Average Gain (dB)</b>	~-0.3	~-0.3
<b>Impedance (Ohms)</b>	50	
<b>Axial Ratio (dB)</b>	3 max	
<b>Radiation Pattern</b>	Hemispherical	
<b>Polarization</b>	RHCP	
<b>Connector Type</b>	SMA-Male Standard (Other Connectors Available)	
<b>Cable Length</b>	300 cm Standard (Any Cable Length Available)	
<b>Cable Type</b>	LL100W Standard (Other Cables Available)	

### Antenna Measurement Conditions:

Free Space

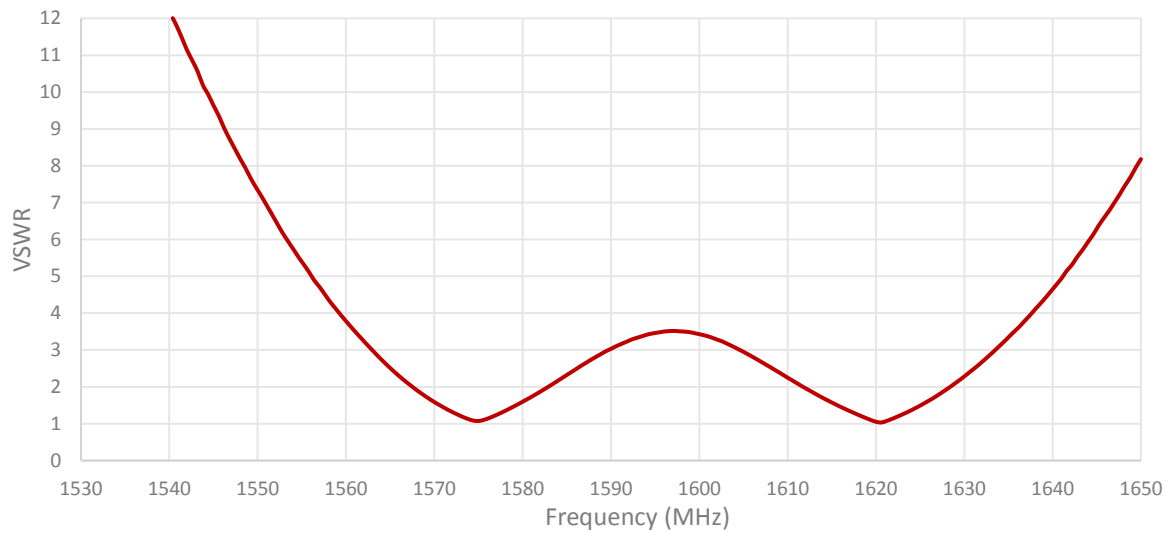
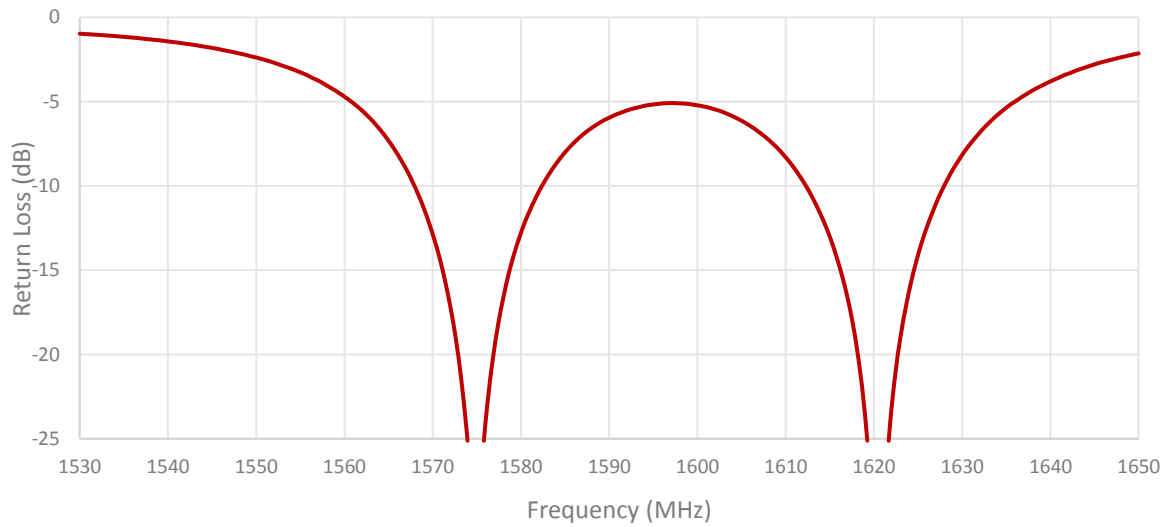
Measured in Certified CTIA 3D Anechoic Chamber

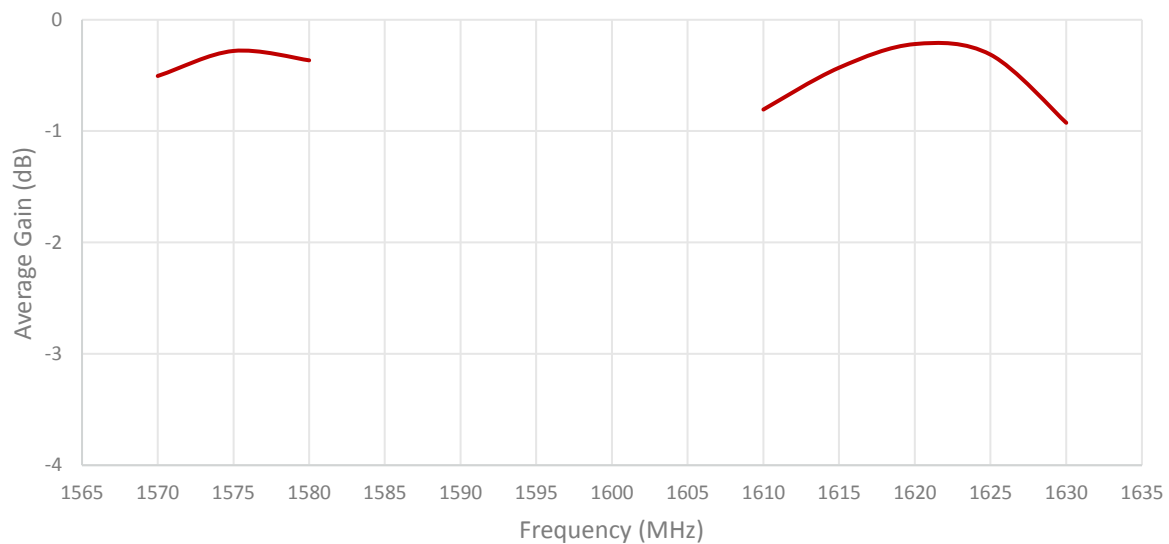
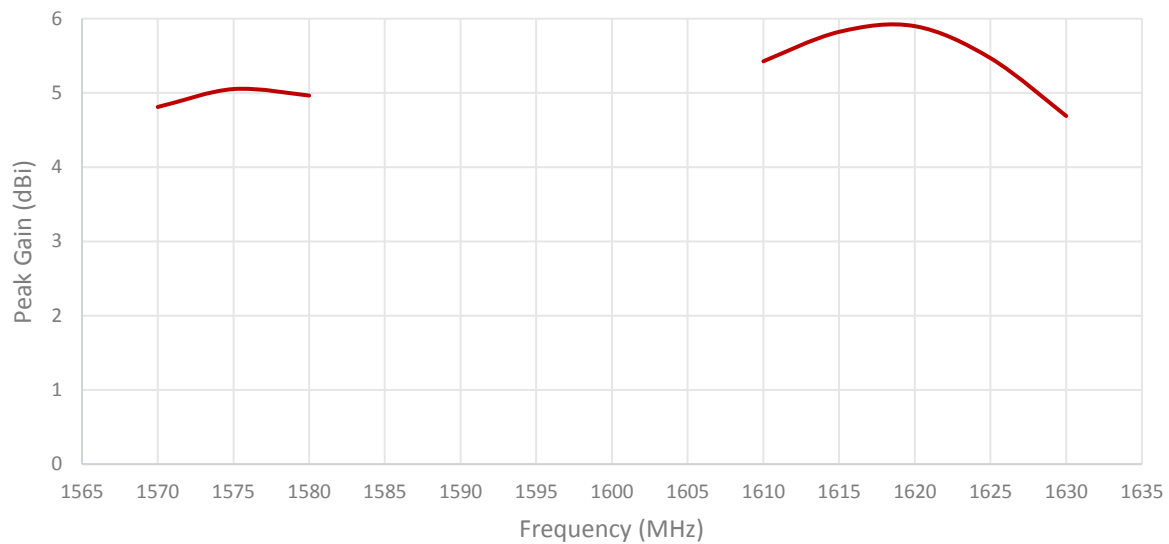
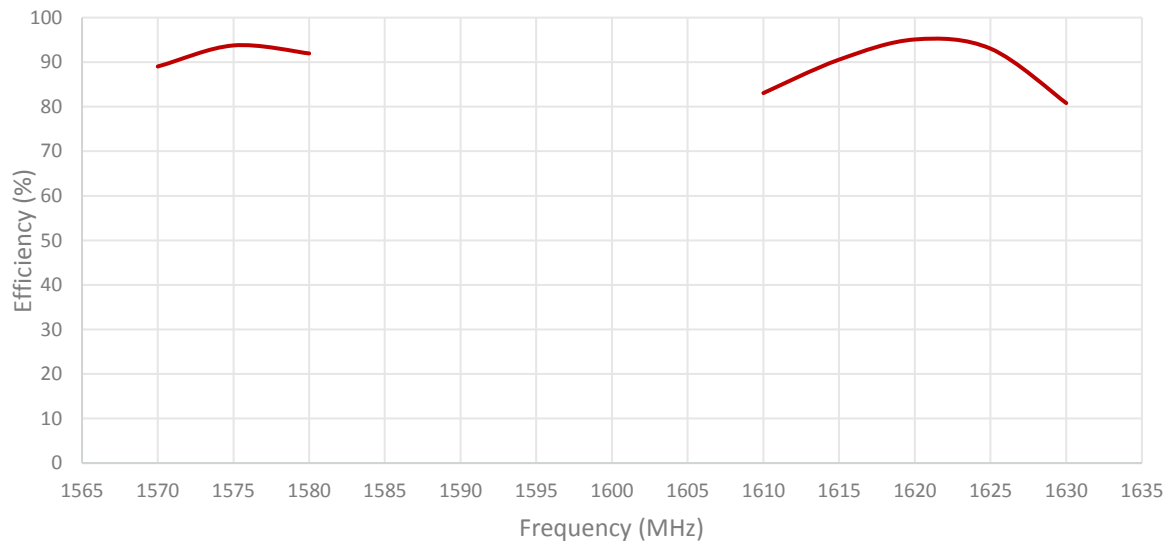
## 2. Mechanical and environmental specifications

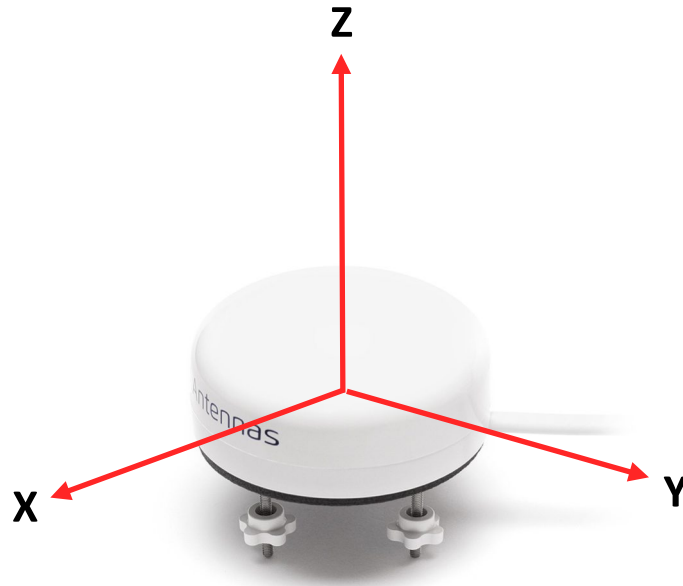
Specifications	2J9134BW
<b>Mounting Type</b>	Screw Mount
<b>Dimensions (mm)</b>	Ø 74 × 34.7
<b>Radome Type</b>	ABS
<b>Radome Color</b>	White
<b>Antenna Base</b>	ABS
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Certificates</b>	IP67, IRIDIUM Certified
<b>Substance Compliance</b>	RoHS

## 3. Antenna parameters

Cable 1: IRIDIUM/GPS

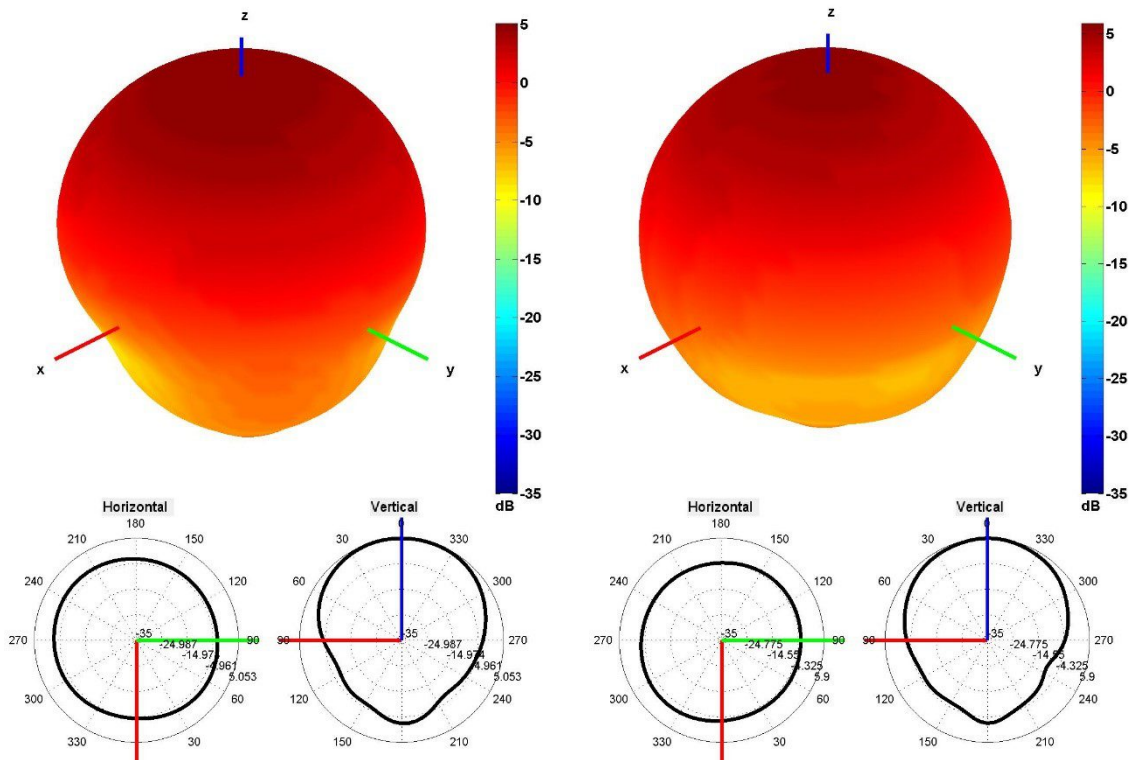






Radiation pattern reference

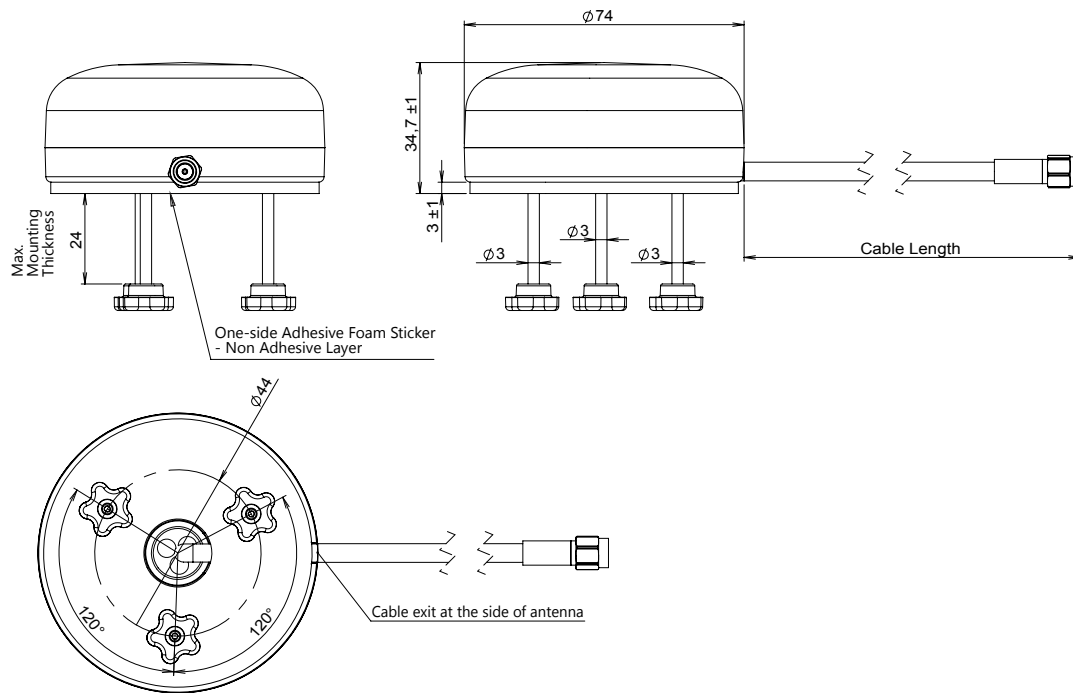
Table 1: IRIDIUM/GPS



1575 and 1621 MHz Radiation pattern

## 4. Antenna drawings

### Screw Mount option



## 5. Antenna Images

