

2J9134JBW-B12JW-B10BW

IRIDIUM/GPS Screw/Pole/Adhesive Mount

Key Features

GPS/QZSS/Galileo and IRIDIUM

- 1575 MHz
- 1616-1627 MHz

Iridium Certified

Configurable Mount options
Screw/Pole/Adhesive Mount options
High Performance
Compact Marine antenna
Single Feed Technology
Ground Plane Independent
Customizable Cable and Connector
Dimensions 130 × 110 × 74 mm
Certificates: IP67



1. Antenna and electrical specifications

Cable 1

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

Antenna Measurement Conditions:

Free Space

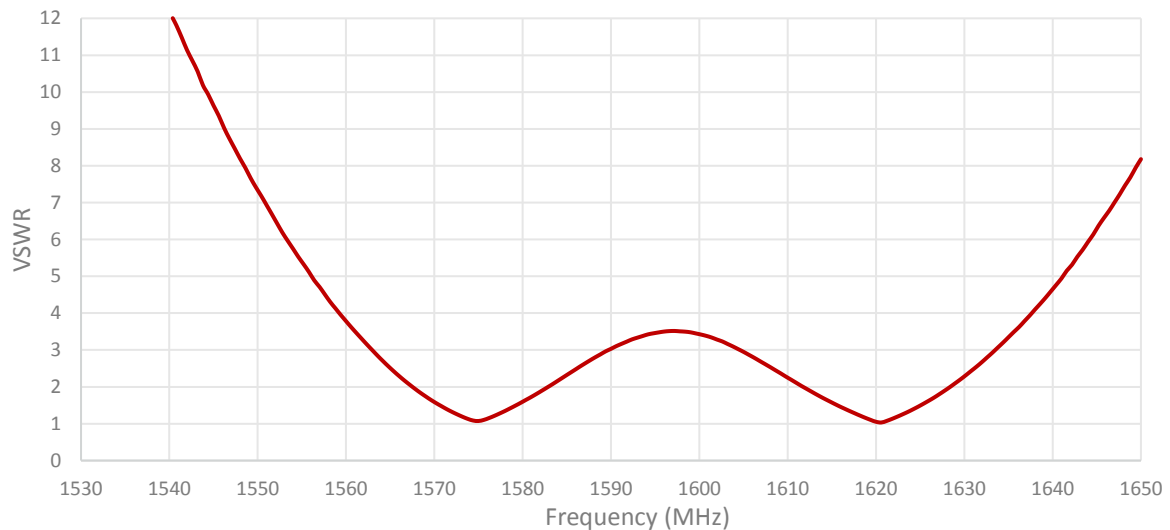
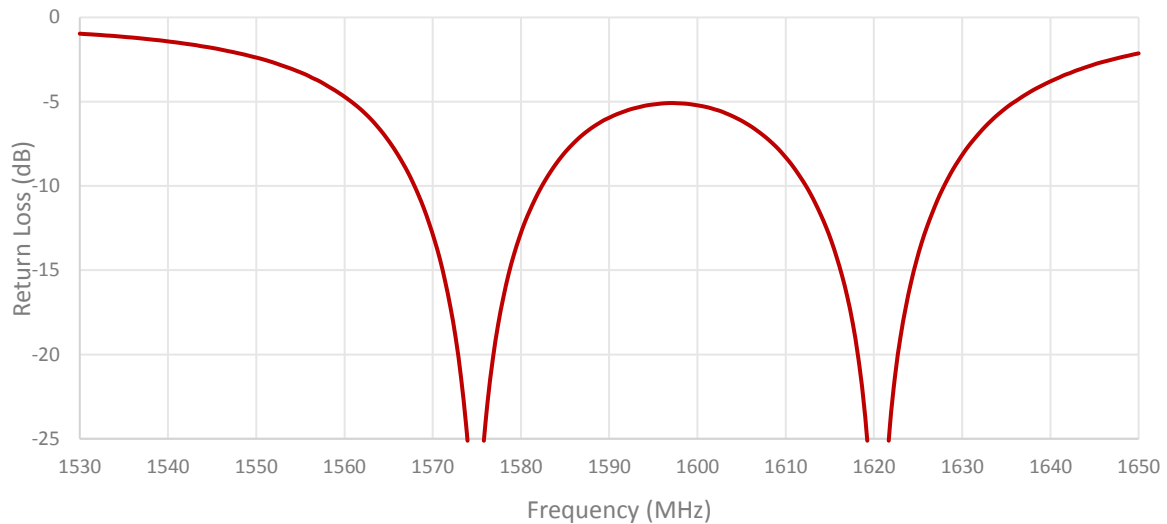
Measured in Certified CTIA 3D Anechoic Chamber

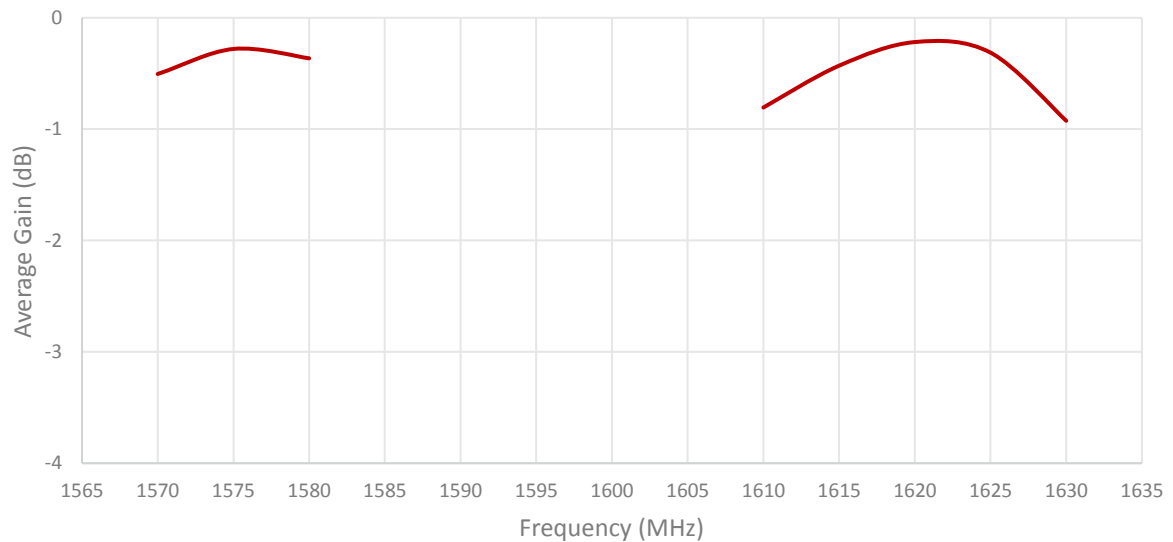
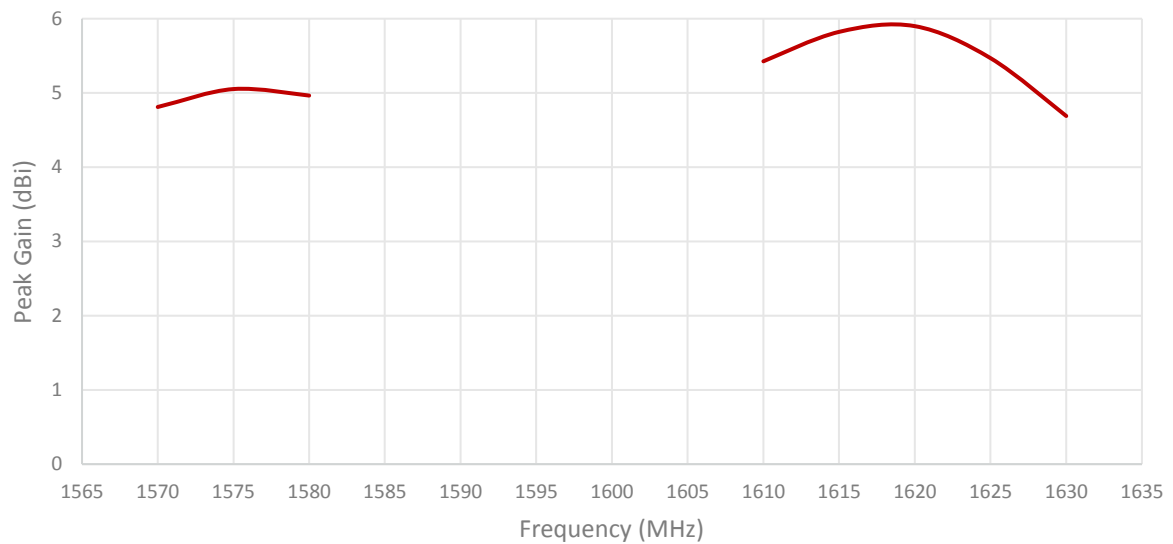
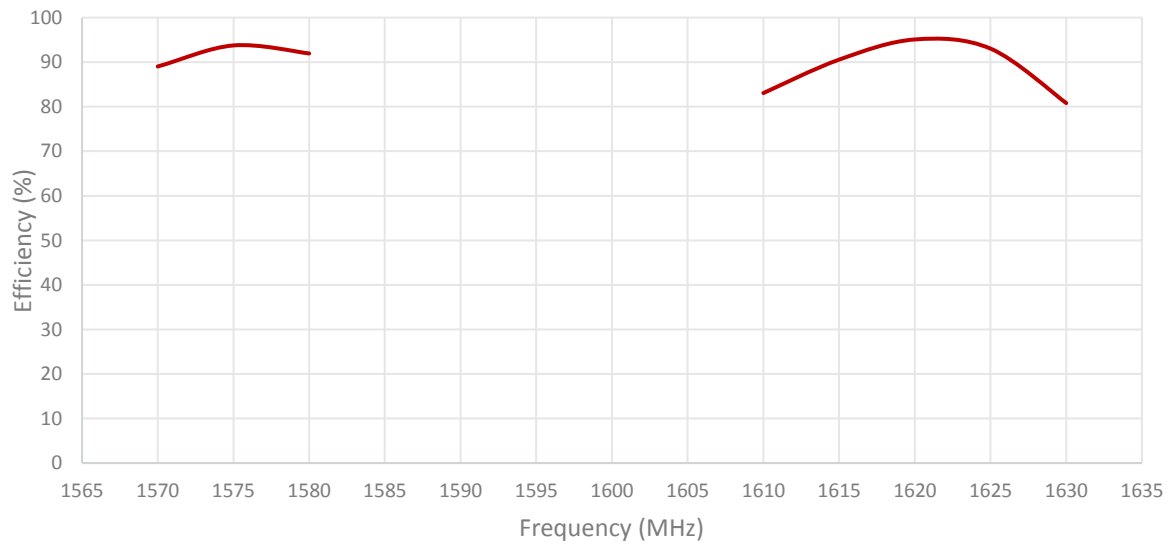
2. Mechanical and environmental specifications

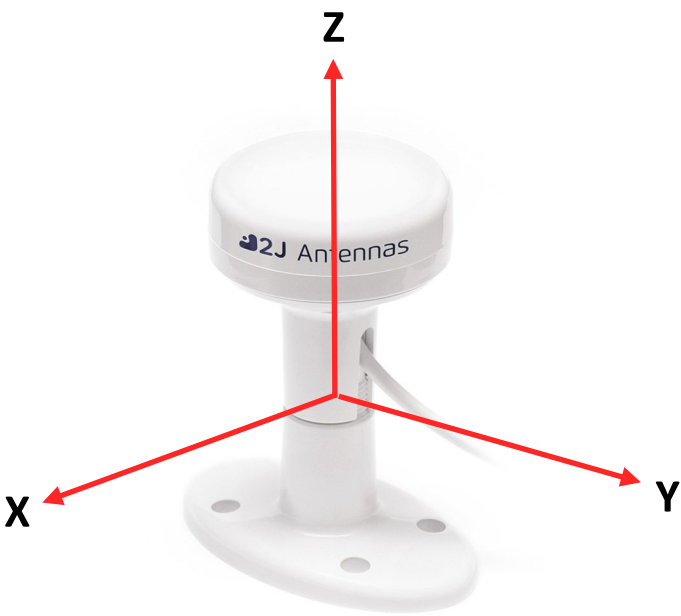
Specifications	2J9134JBW-B12JW-B10BW
Mounting Type	Screw/Pole/Adhesive Mount
Dimensions (mm)	130 × 110 × 74
Radome Type	ABS
Radome Color	White
Antenna Base	ABS
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificates	IP67, IRIDIUM Certified
Substance Compliance	RoHS

3. Antenna parameters

Cable 1: IRIDIUM/GPS

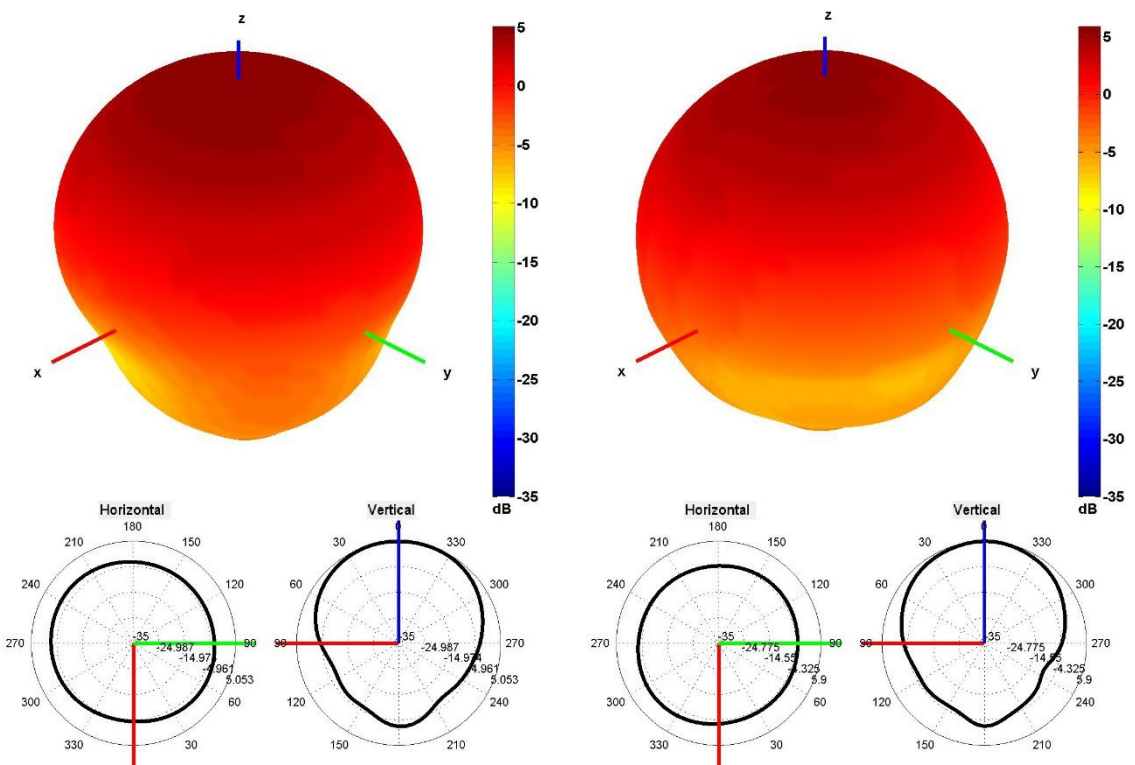






Radiation pattern reference

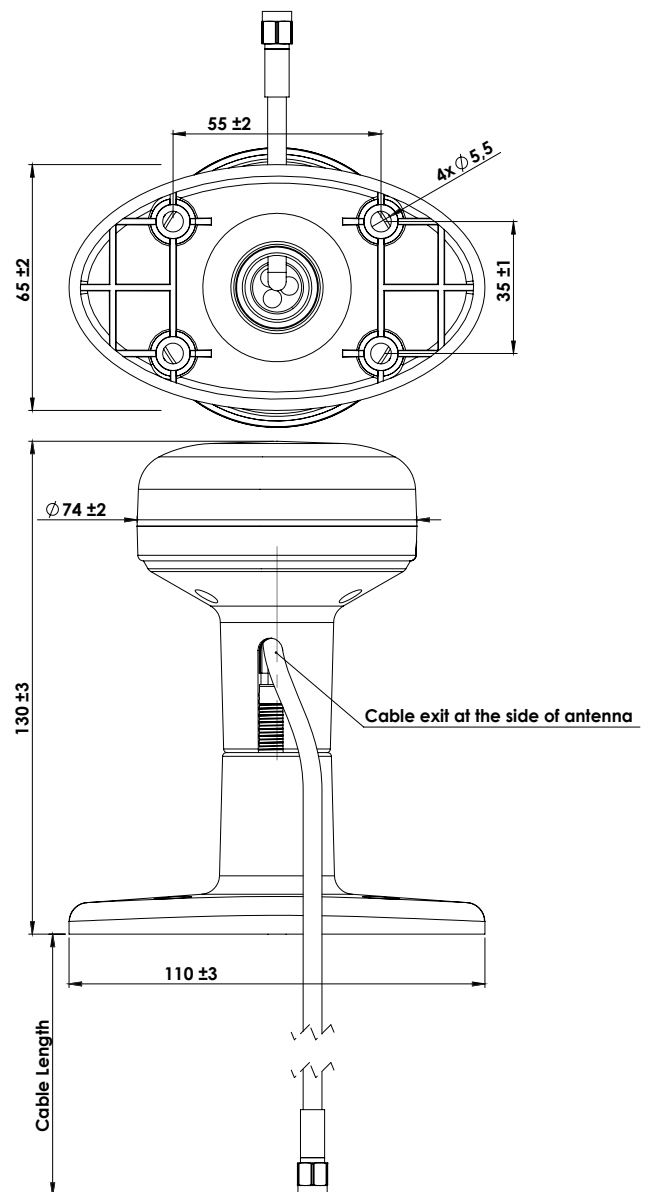
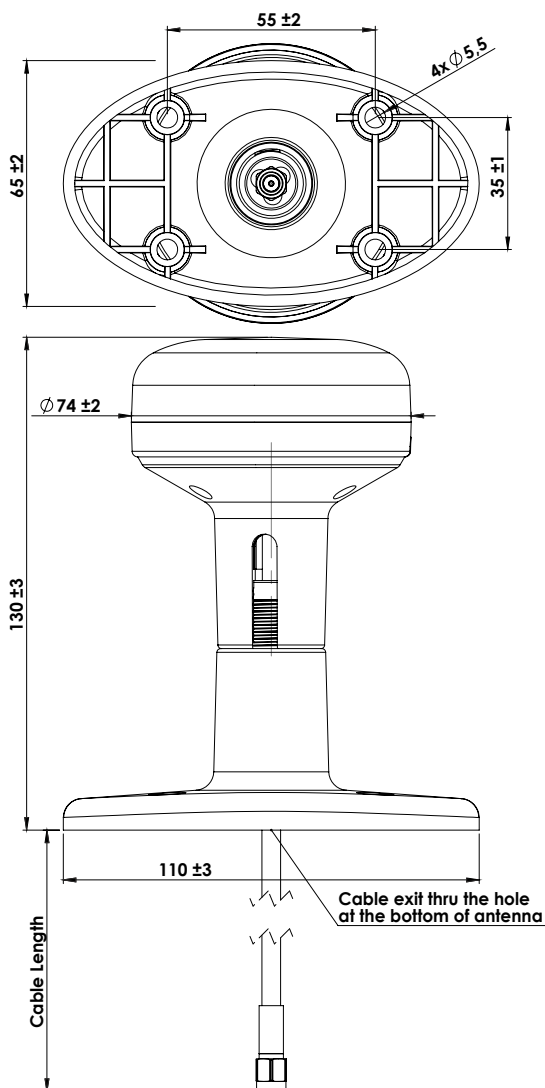
Cable 1: IRIDIUM/GPS



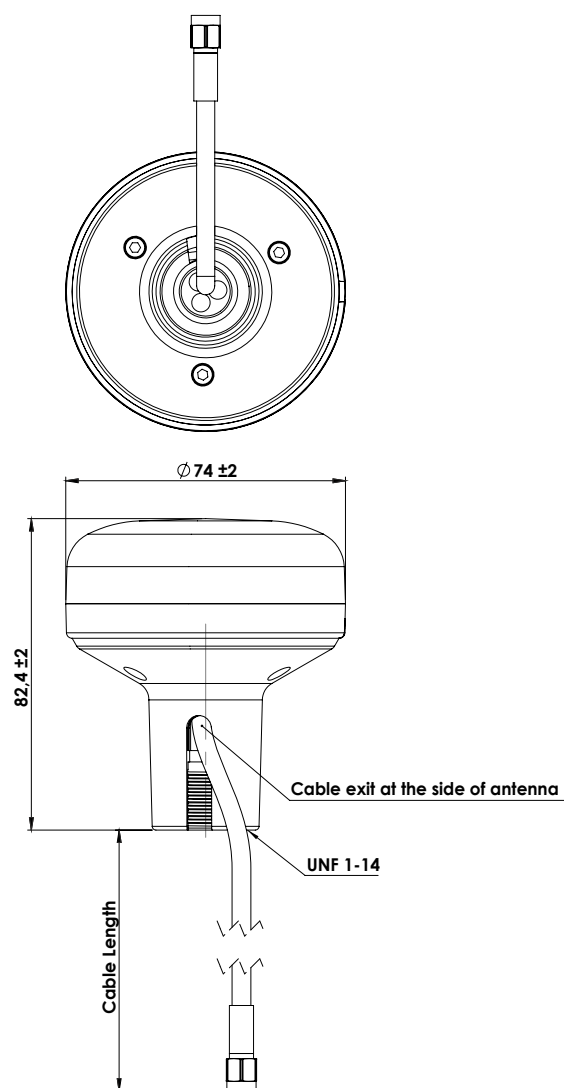
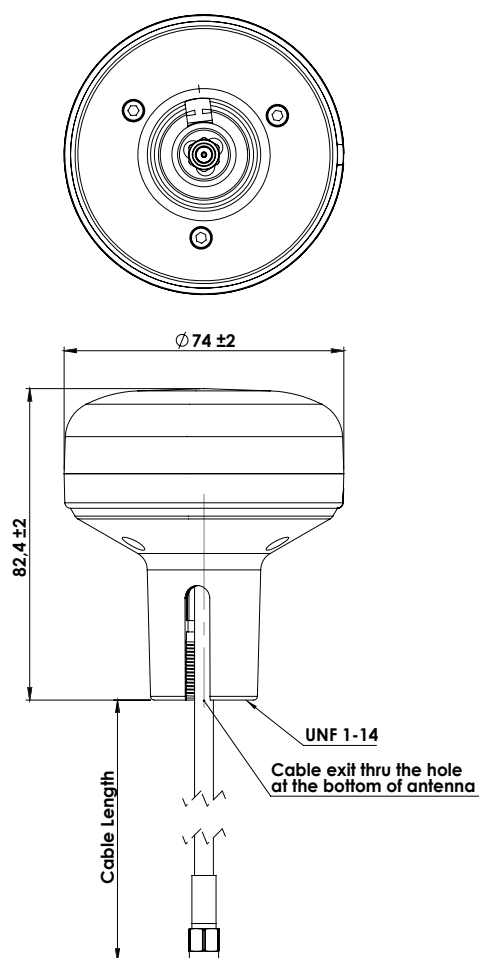
1575 and 1621 MHz Radiation pattern

4. Antenna drawings

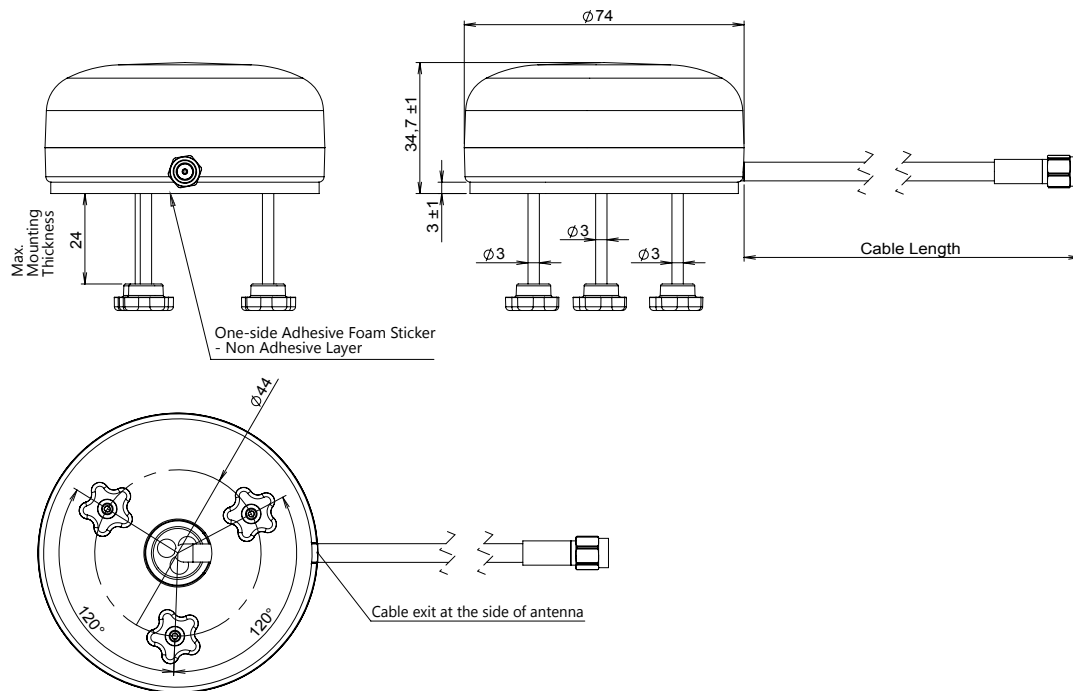
Screw Mount options using 2JB10BW Bracket



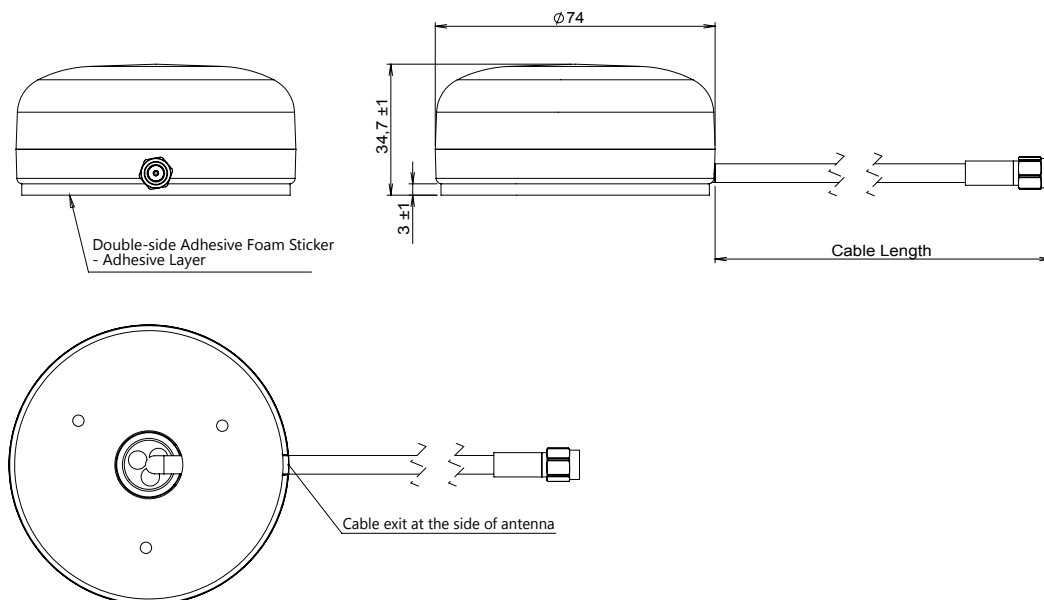
Pole Mount options using 2JB12JW Bracket



Screw Mount option



Adhesive Mount option



5. Antenna Images

