

2J9607JBWGF-B12JWa-B10BW

TETRA/UHF and GPS/GLONASS Screw/Pole/Adhesive Mount

Key Features

Cable 1: TETRA/UHF

- 380-470 MHz

Cable 2: GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Configurable Mount options

Screw/Pole/Adhesive Mount options

High Performance

Compact Marine antenna

Ground Plane Independent

Customizable Cable and Connector

Dimensions 266 × 110 × 74 mm

Certificates: IP67



1. Antenna and electrical specifications

Cable 1

Parameters	TETRA/UHF Antenna
Standards	TETRA/UHF
Band (MHz)	400 MHz
Frequency (MHz)	380-470
Return Loss (dB)	~-9.6
VSWR	~2.2:1
Efficiency (%)	~25.0
Peak Gain (dBi)	~-2.0
Average Gain (dB)	~-6.2
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	100
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	D302W Standard (Other Cables Available)

Cable 2

Parameters	GPS/GLONASS Antenna	
Standard	GPS / GLONASS	
Band (MHz)	1575	1602
Frequency(MHz)	1575.42	1598-1610
Return Loss (dB)	<-15	
VSWR	<1.4:1	
Impedance	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	Pre-Filter	
Active Gain (dB)	23 @ 3V / 24 @ 5V	
Noise Figure (dB)	1.2	
Voltage (V)	2.7 – 5.5	
Current (mA)	15 - 25	
Power Consumption (mW)	40 - 137	
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:

Mounted on 30 x 30 cm ABS Plate

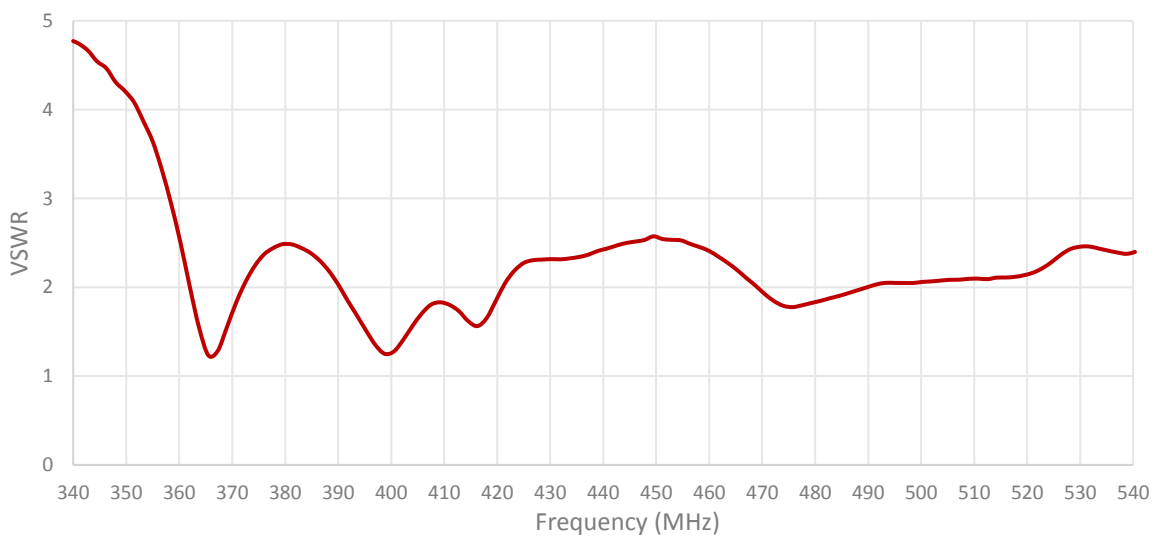
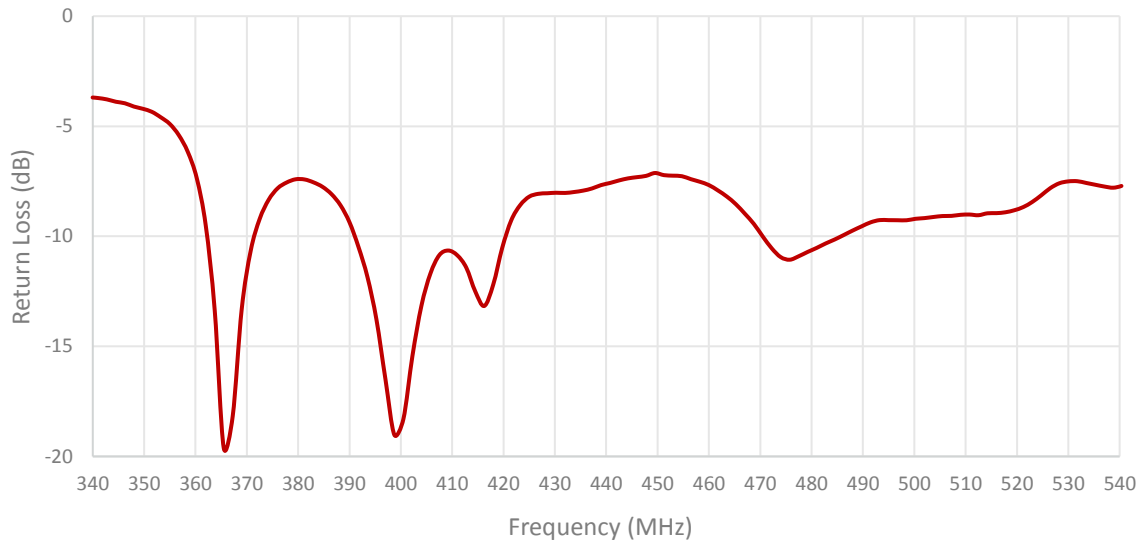
200cm of D302W Cable

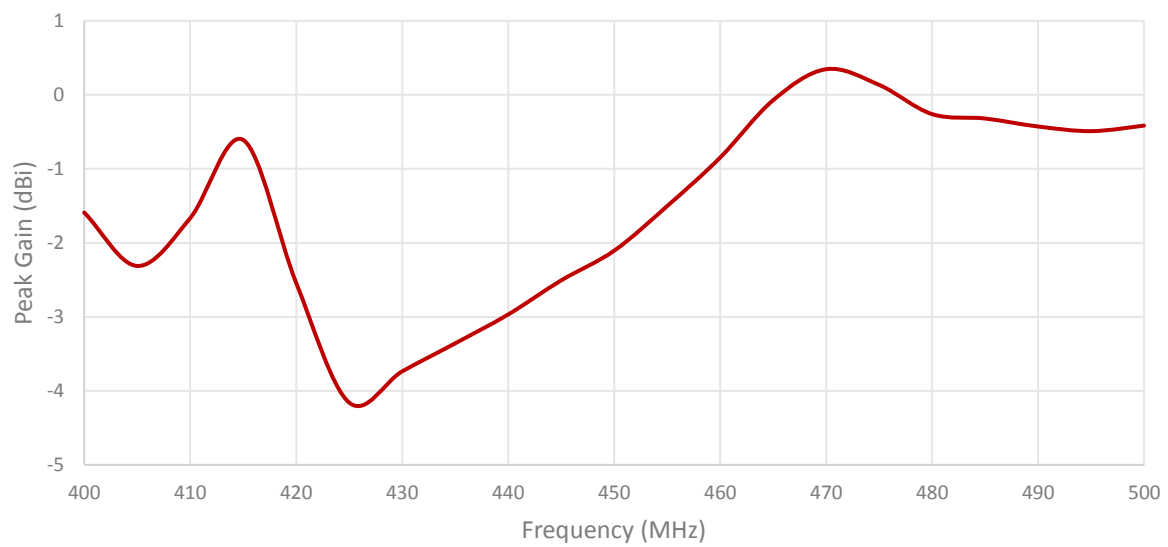
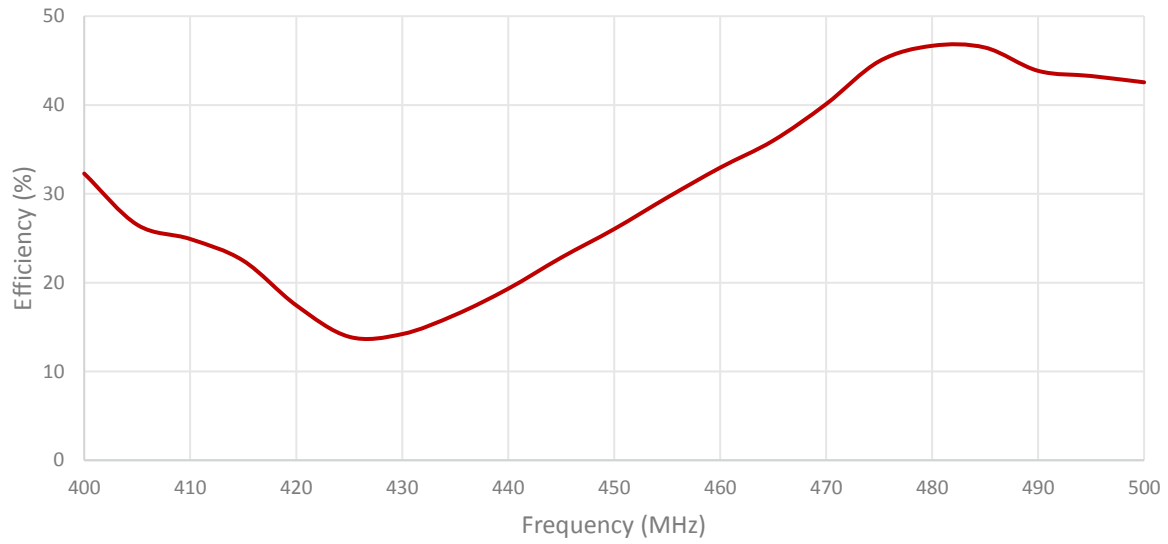
Measured in Certified CTIA 3D Anechoic Chamber

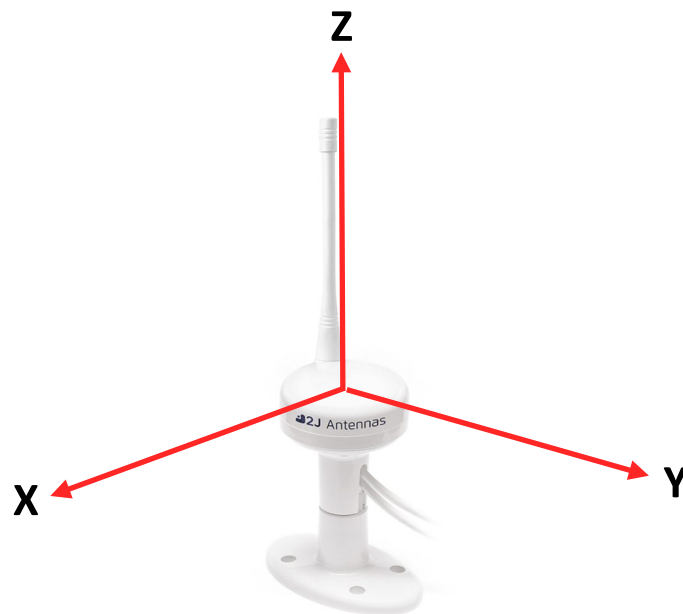
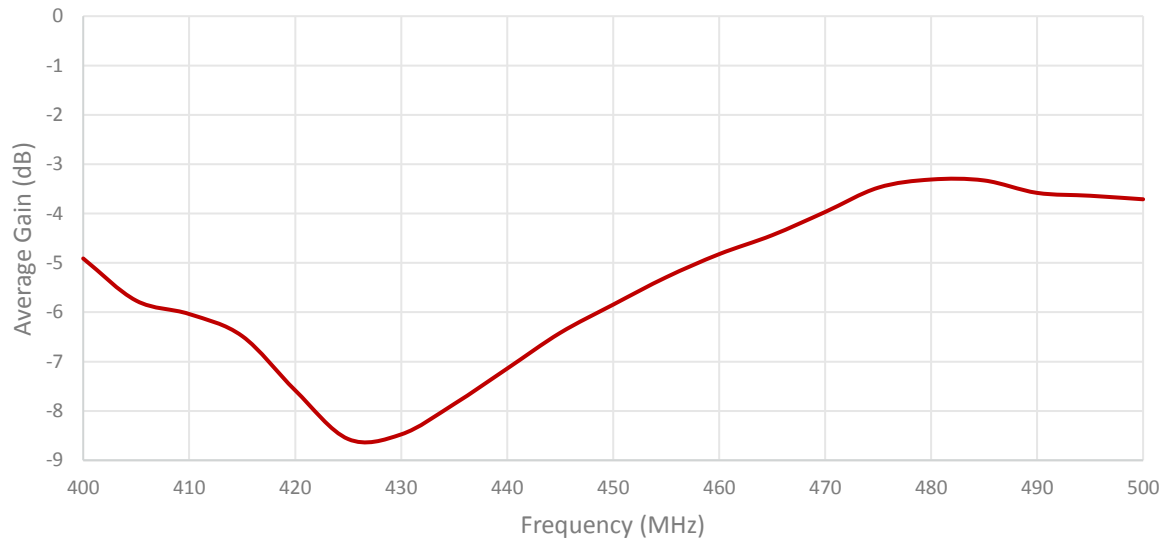
2. Mechanical and environmental specifications

Specifications	2J9607JBWGF-B12JWa-B10BW
Mounting Type	Pole/Screw/Adhesive Mount
Dimensions (mm)	266 × 110 × 74
Radome Type	ASA
Radome Color	White
Antenna Base	ASA
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificates	IP67
Substance Compliance	RoHS

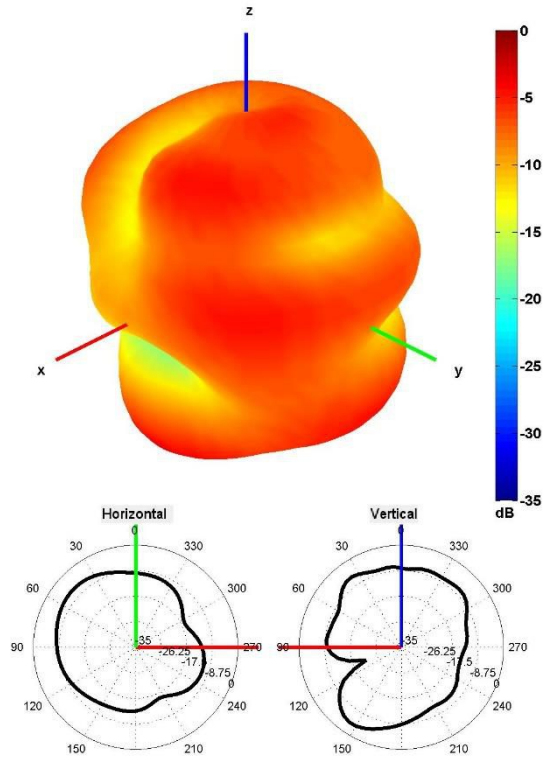
3. Antenna parameters







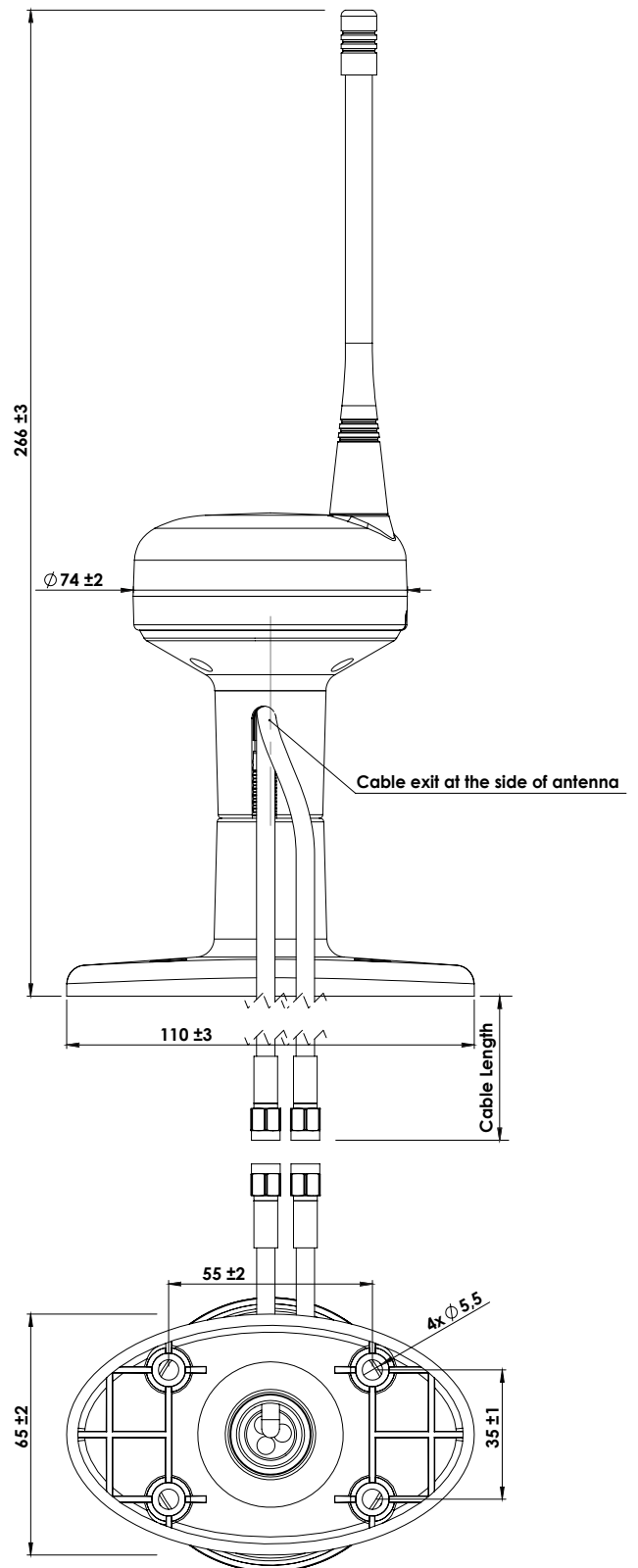
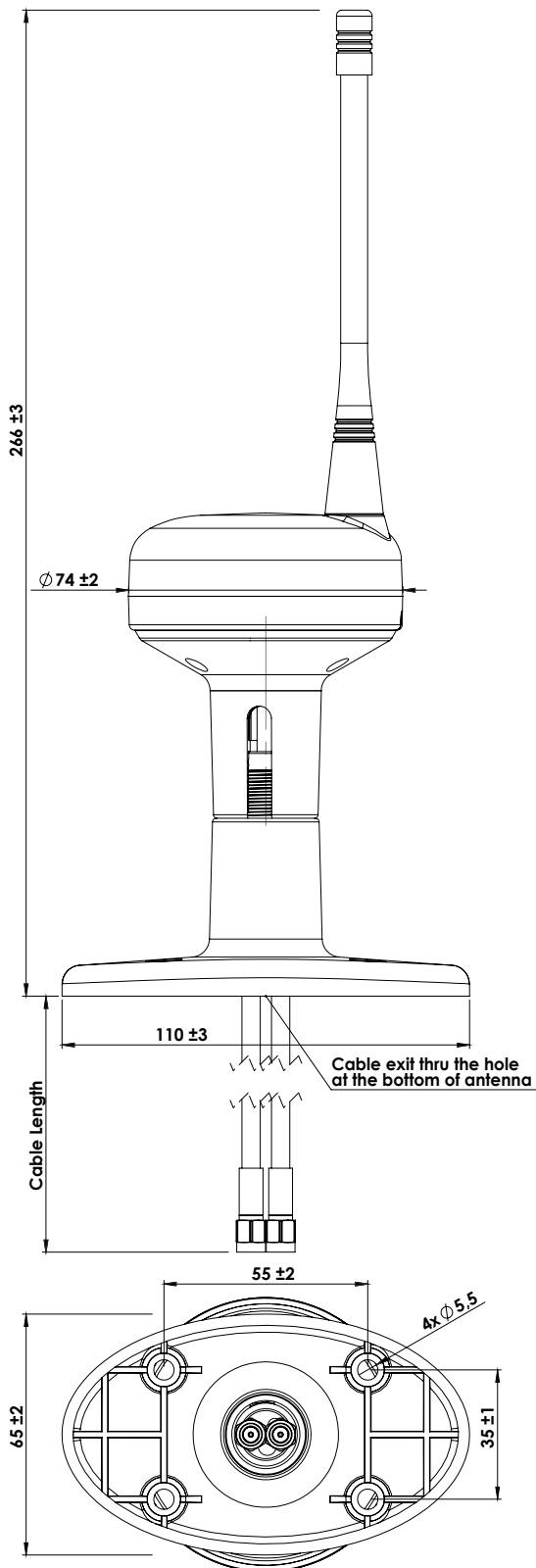
Radiation pattern reference



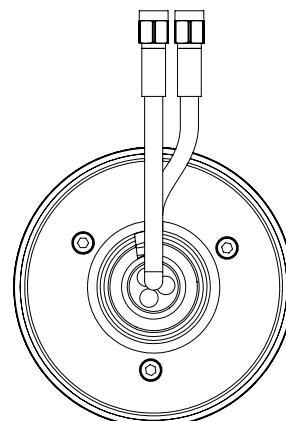
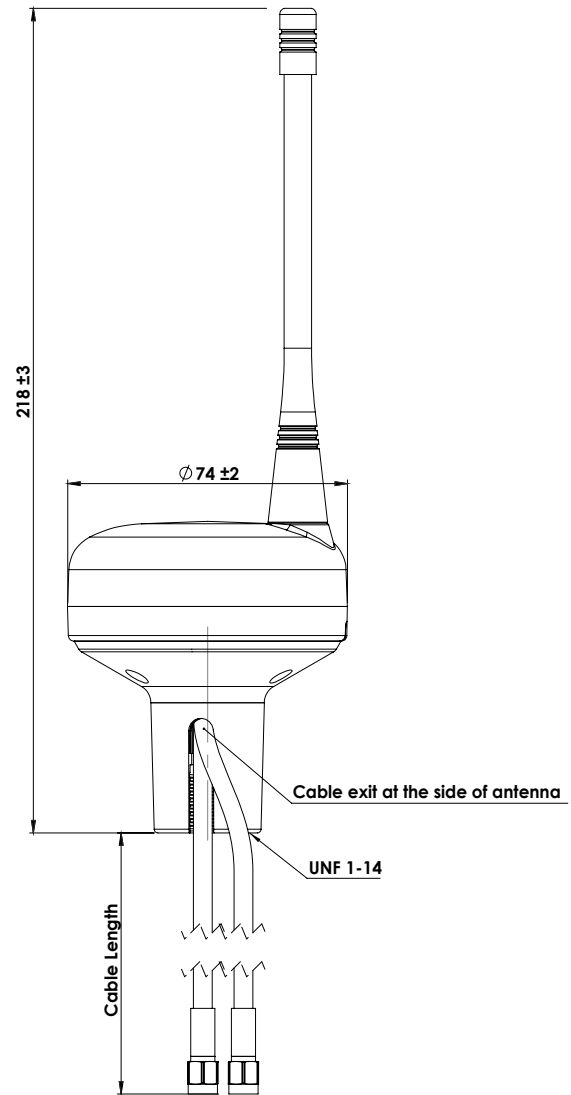
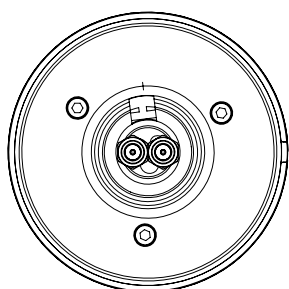
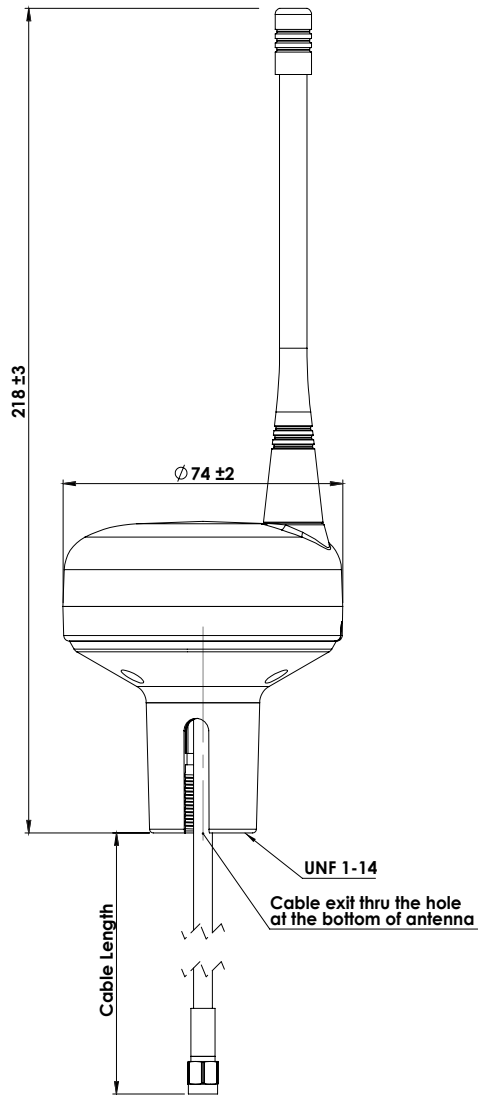
430 MHz Radiation pattern

4. Antenna drawings

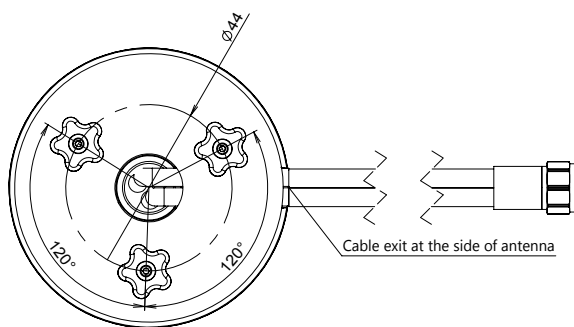
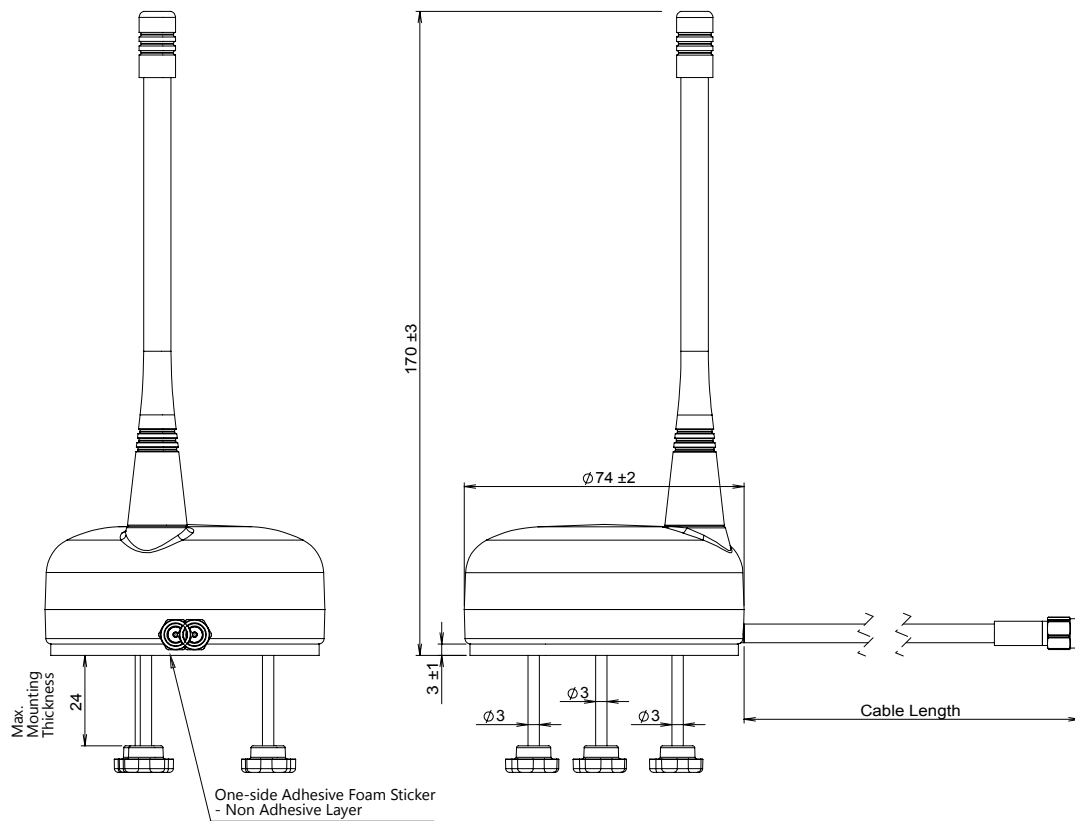
Screw Mount options using 2JB10BW Bracket



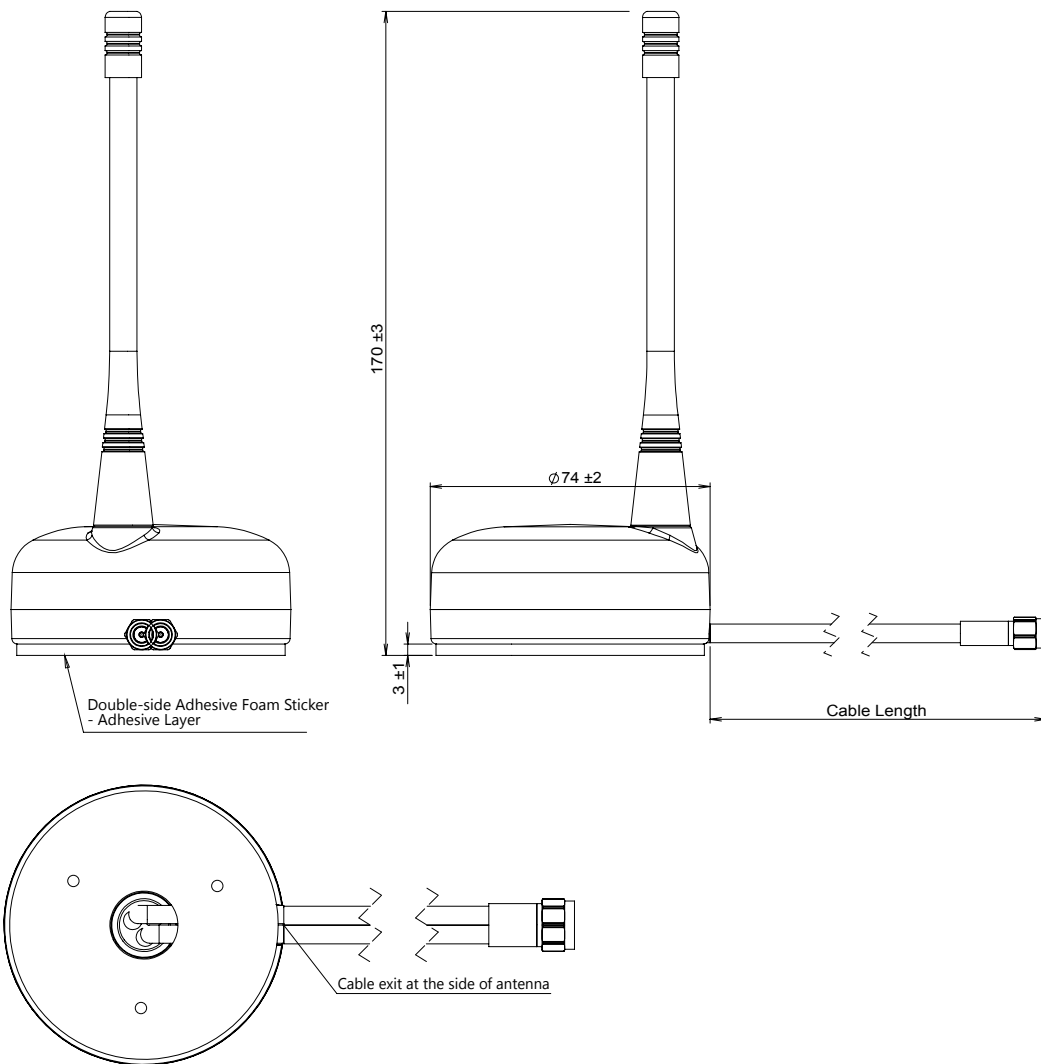
Pole Mount options using 2JB12JWa Bracket



Screw Mount option



Adhesive Mount option



5. Antenna Images

