

# MARITIME ANTENNA

## Maritime 10

### Overview

- **Designed for Marine Applications**  
IP68 rated, durable omnidirectional antenna, with UV-stable housing, providing the best signal reception.
- **Designed for 5G**  
High performance in all low, mid and high bands for the best 5G connectivity at sea.
- **Wide bandwidth**  
Wide frequency range (600-4200MHz) supporting LTE and 5G connectivity.
- **Easy installation**  
Supports standard marine 1" 14 TPI thread mount and also has an L-shape mount for non standard installations.

### Applications

- **Maritime**

**9.3**  
dBi

**IP**  
**68**

**1x1**  
**SISO**

**↑↓**  
**LTE**

**Built**  
**for**  
**5G**

**LONG**  
**Range**

**TAA**  
COMPLIANT

## Specification

### Cellular

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| Antenna elements                | 1 element                                                          |
| Cellular frequency bands & Gain | 2.8dBi: 617-960MHz<br>8.2dBi: 1710-2700MHz<br>9.3dBi: 3400-4200MHz |
| VSWR                            | <2.8: 617-960MHz<br><2.1: 1710-4200MHz                             |
| Max feed power handling         | 10W                                                                |
| Input impedance                 | 50 $\Omega$                                                        |
| Polarisation                    | Linear                                                             |

### Mounting

|                 |                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------|
| Supported types | Standard Maritime 1" 14 TPI thread<br>Pole and wall mounting<br>Pole diameter: 1-2" (25-50mm) |
|-----------------|-----------------------------------------------------------------------------------------------|

### Mechanical

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Termination                            | N-type female                             |
| Product dimensions (Diameter) (Height) | 3.78" / 96mm<br>19.04" / 483.5 mm         |
| Packaged dimensions                    | 26.3" x 6.0" x 6.1"<br>668 x 153 x 155 mm |
| Housing material                       | UV stable PC                              |

### Package contents

|             |                                         |
|-------------|-----------------------------------------|
| Antenna     | Maritime Antenna 10                     |
| Accessories | Maritime mount set<br>L-shape mount set |

### Environmental & Compliance

|                       |                            |
|-----------------------|----------------------------|
| IP rating             | IP68                       |
| Operating temperature | -40° - 176°F / -40° - 80°C |
| Storage temperature   | -40° - 176°F / -40° - 80°C |
| Compliance            | ROHS, REACH, WEEE          |
| Wind survivability    | 100mph / 160km/h           |
| Salt Spray            | MIL-STD 810F/ASTM B117     |

## Contact Us

[maritime@peplink.com](mailto:maritime@peplink.com)

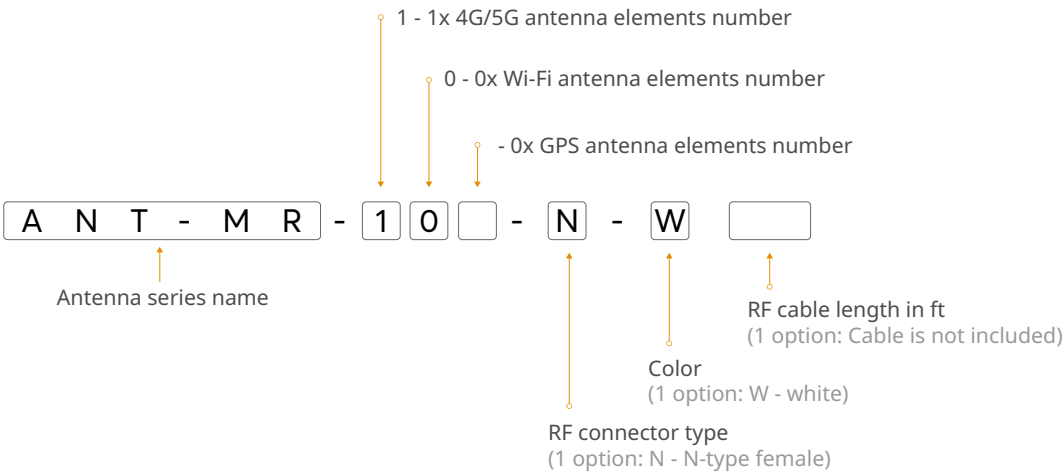
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# Maritime 10

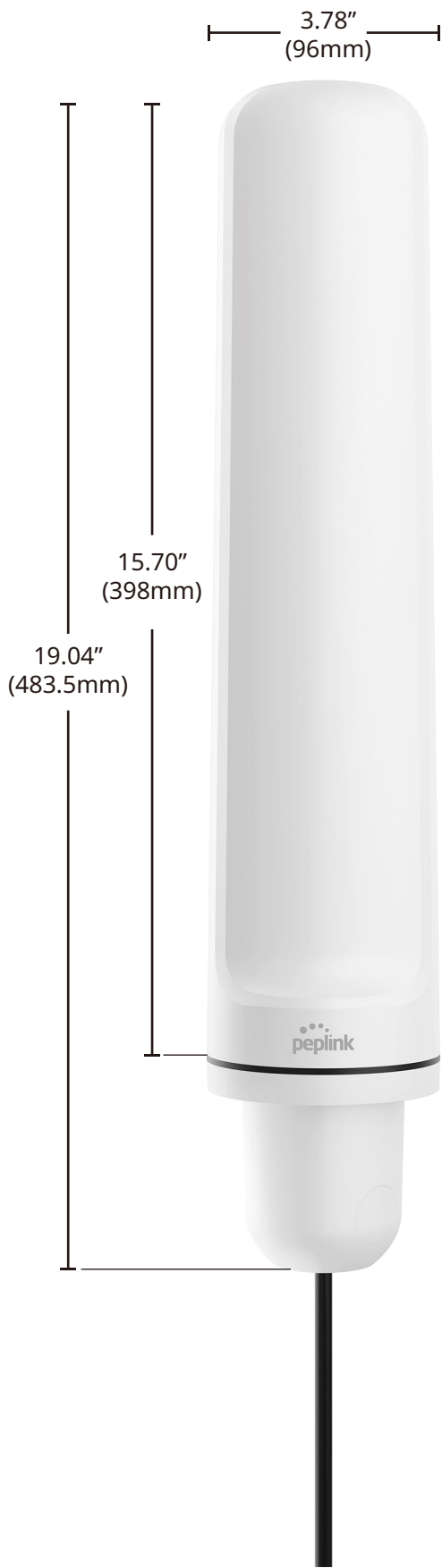
Specifications subject to change without notice.

Ordering Information

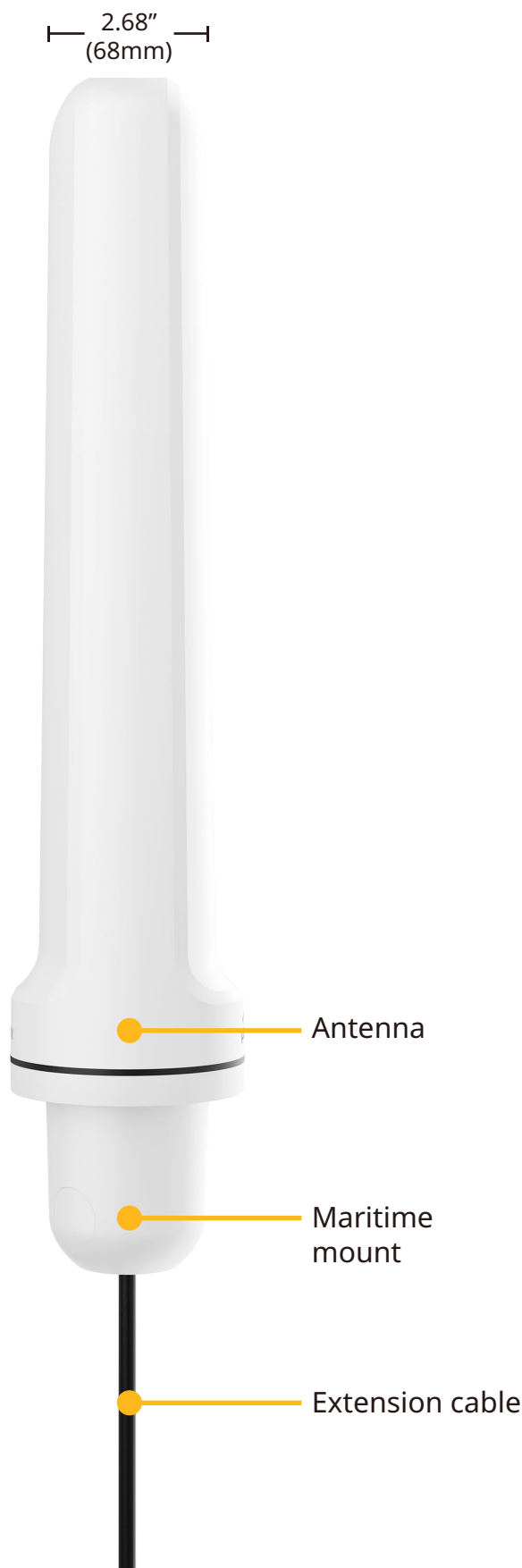


| Product Code  | Description                                        |
|---------------|----------------------------------------------------|
| ANT-MR-10-N-W | 1x LTE/5G, 600-4200MHz, IP68, N-type female, White |

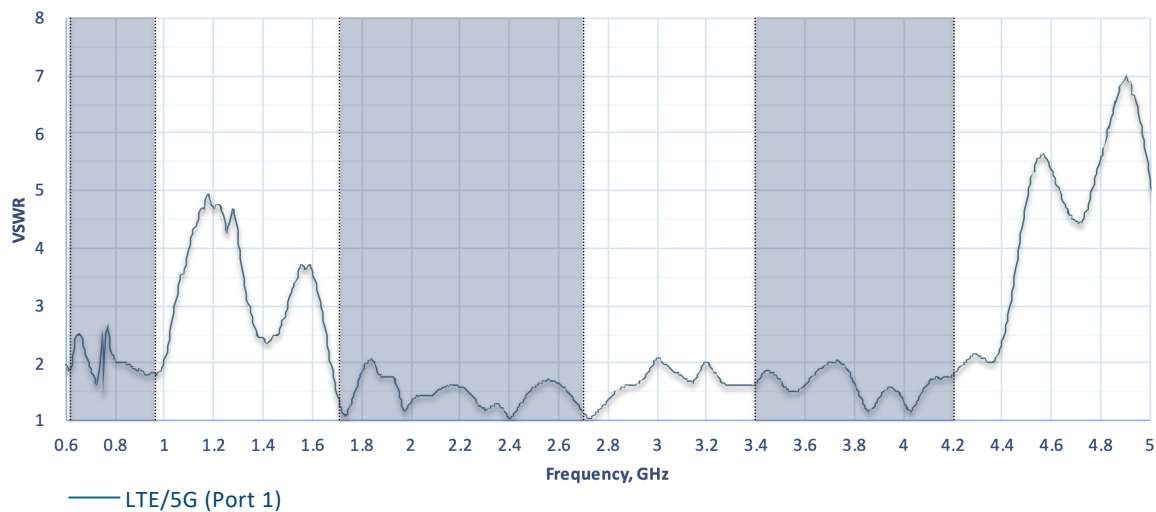
Technical Drawing



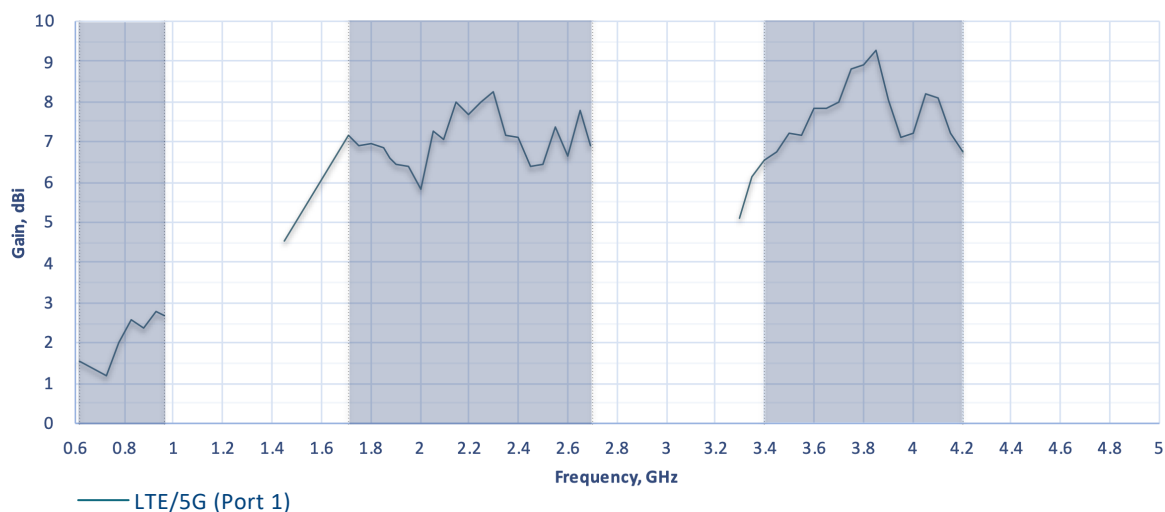
Maritime 10



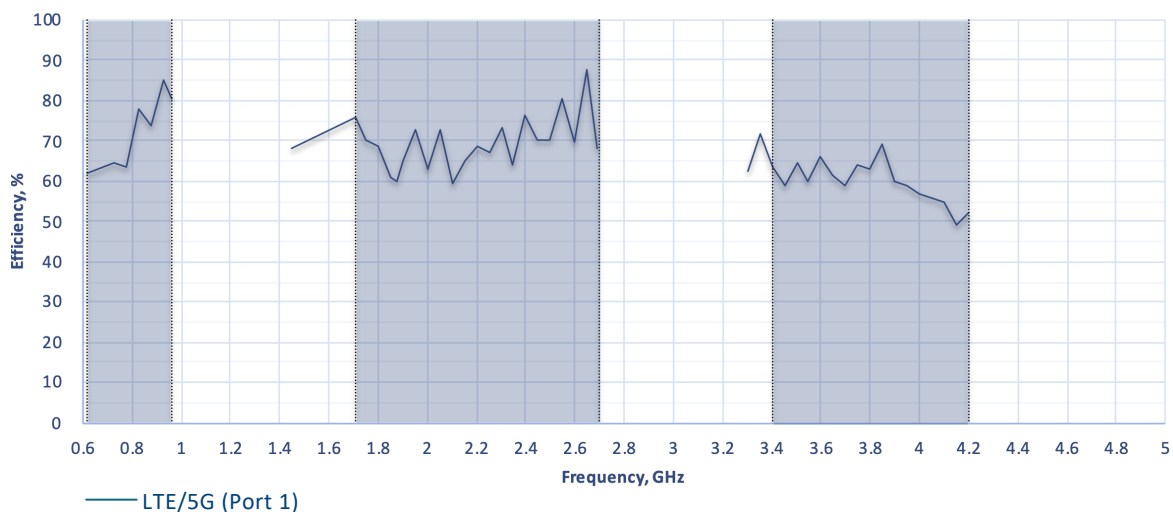
## Cellular Antenna VSWR



## Cellular Antenna Gain

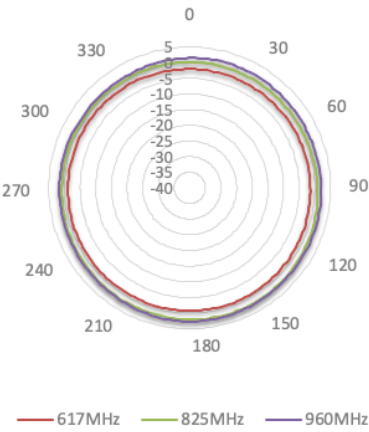


## Cellular Antenna Efficiency

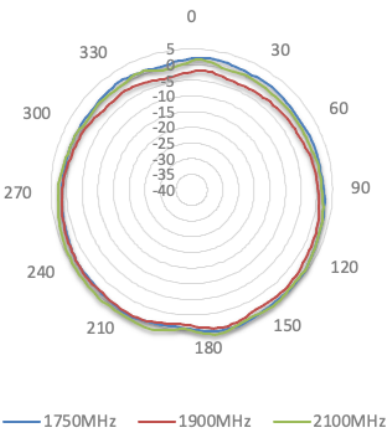


# Radiation Patterns (Azimuth)

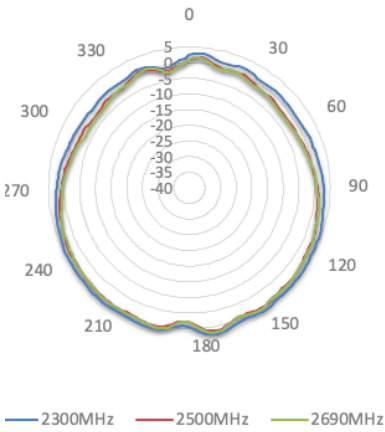
430-960 MHz



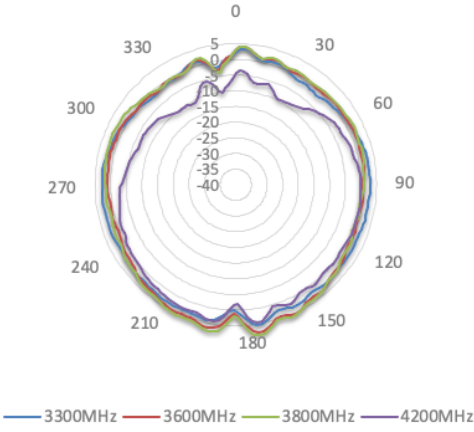
1710-2100 MHz



2300-2700 MHz



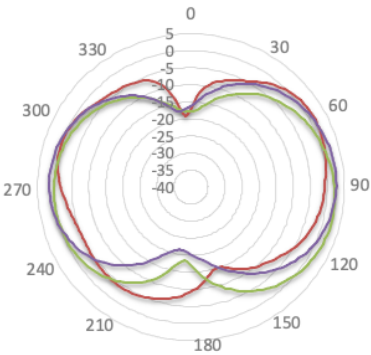
3400-3800 MHz



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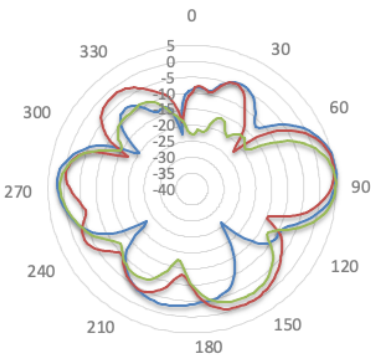
Radiation Patterns (Elevation 1)

430-960 MHz



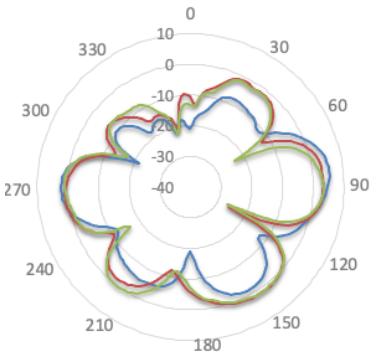
617MHz 825MHz 960MHz

1710-2100 MHz



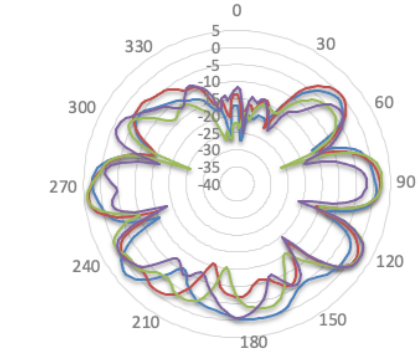
1750MHz 1900MHz 2100MHz

2300-2700 MHz



2300MHz 2500MHz 2690MHz

3400-3800 MHz

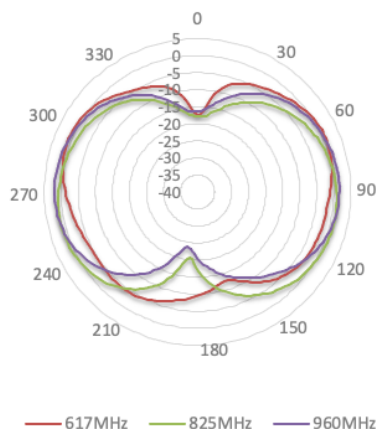


3300MHz 3600MHz 3800MHz 4200MHz

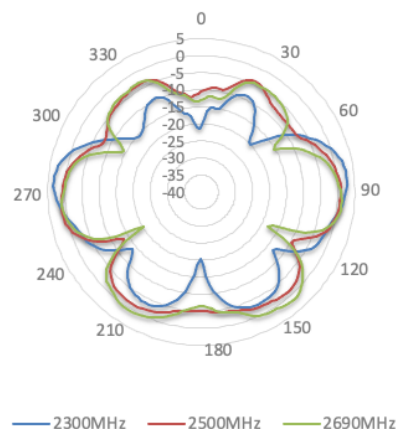
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## Radiation Patterns (Elevation 2)

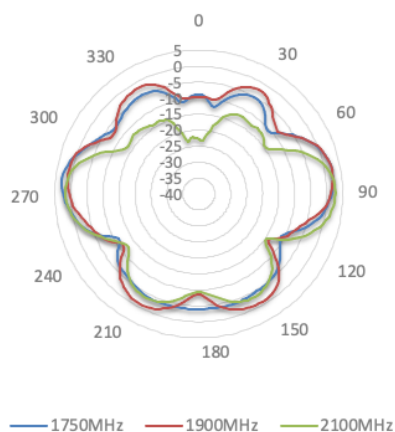
430-960 MHz



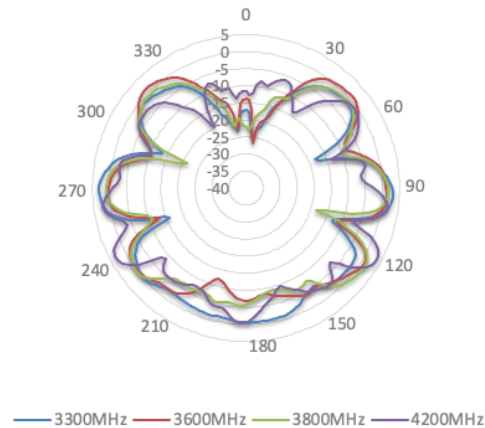
2300-2700 MHz



1710-2100 MHz



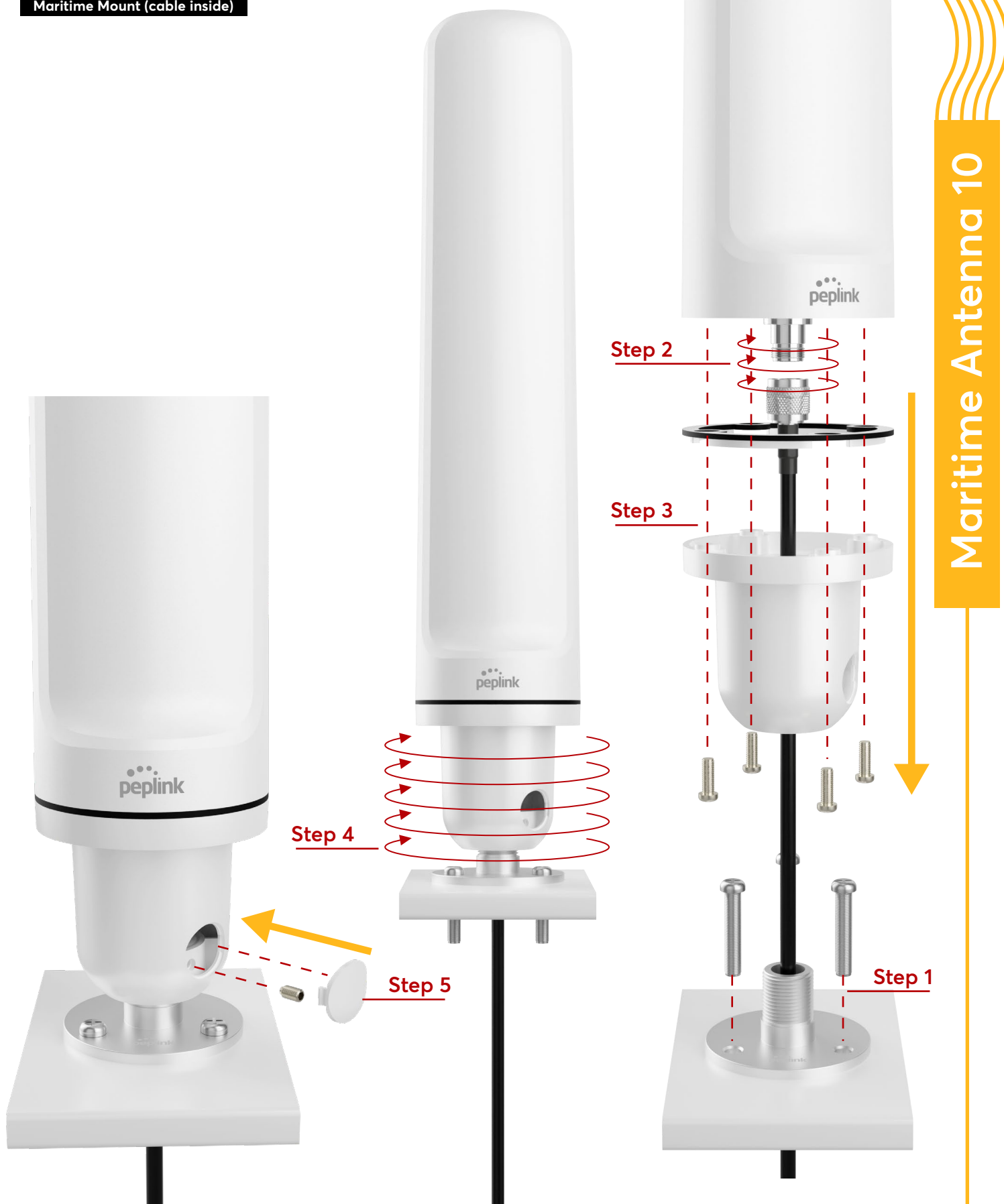
3400-3800 MHz



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## Installation Recommendation

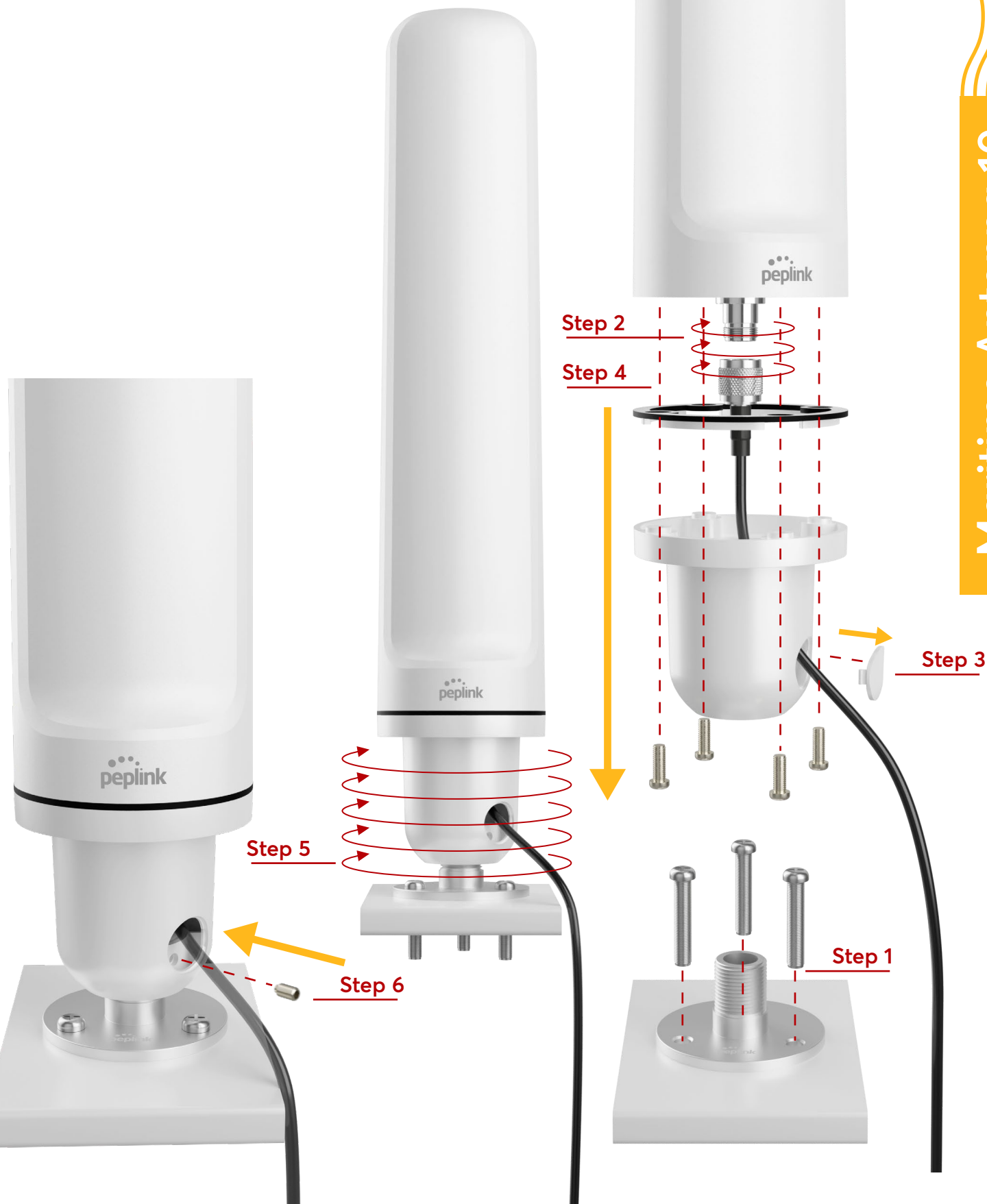
Maritime Mount (cable inside)



## Installation Recommendation

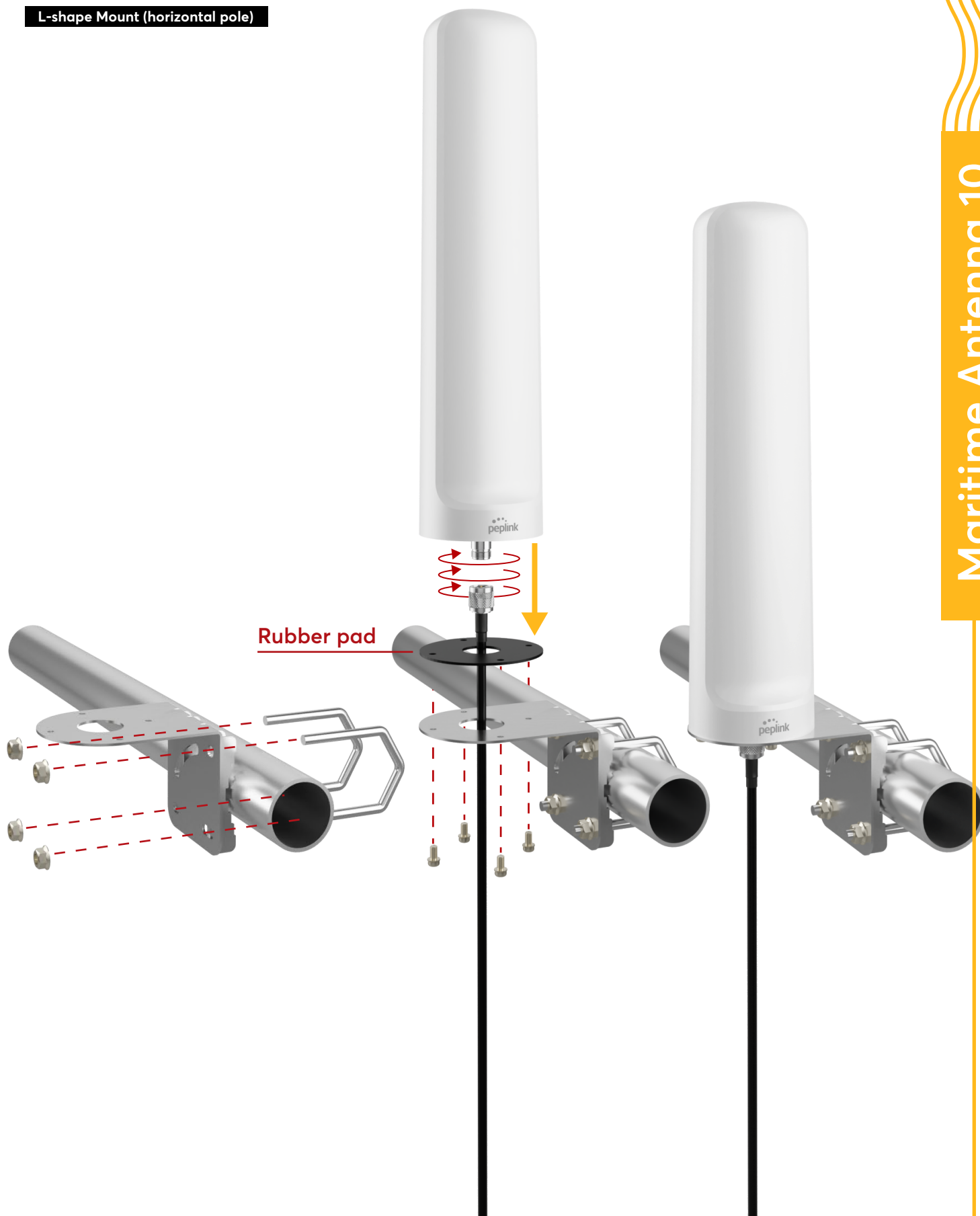
Maritime Mount (cable outside)

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## Installation Recommendation

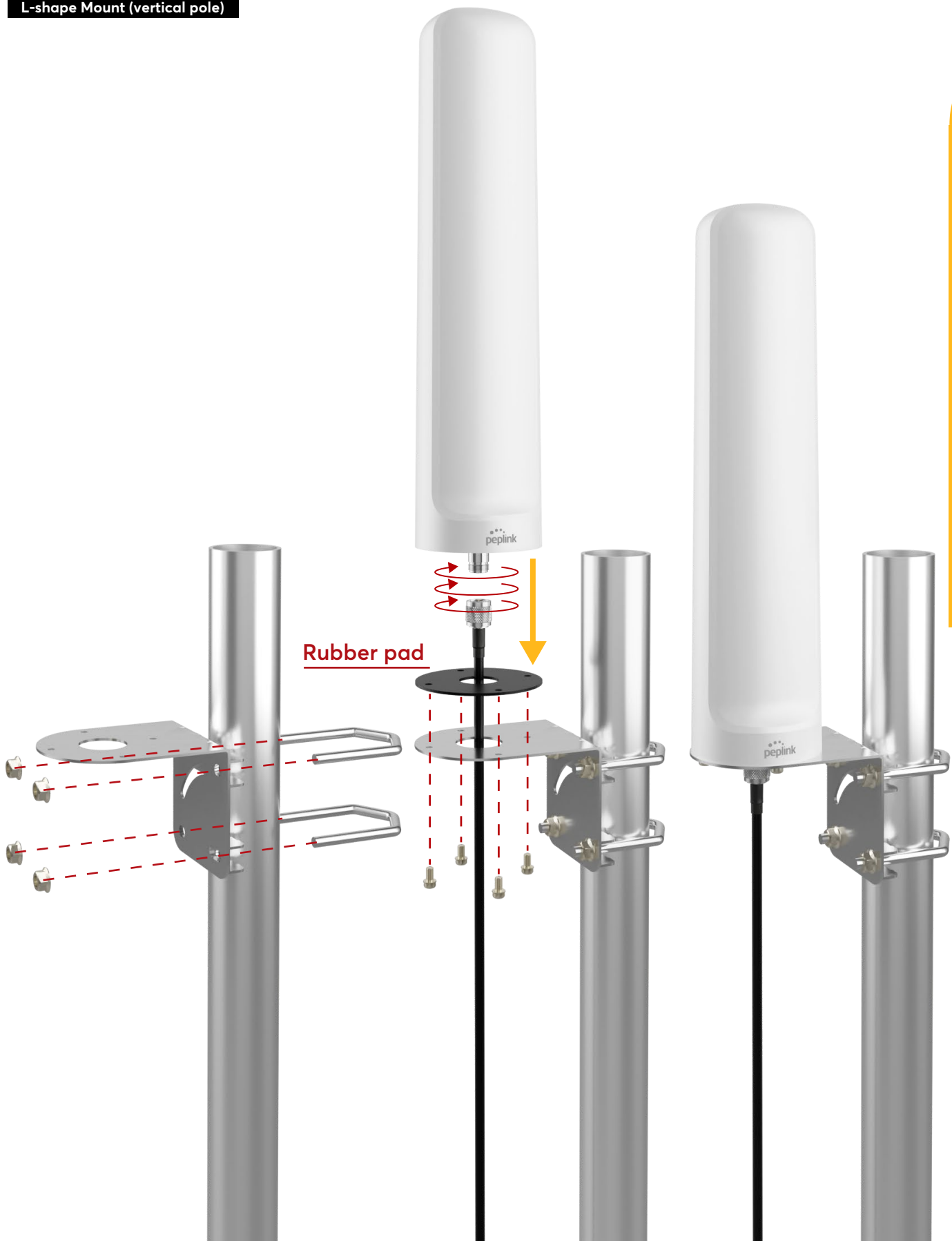
L-shape Mount (horizontal pole)



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## Installation Recommendation

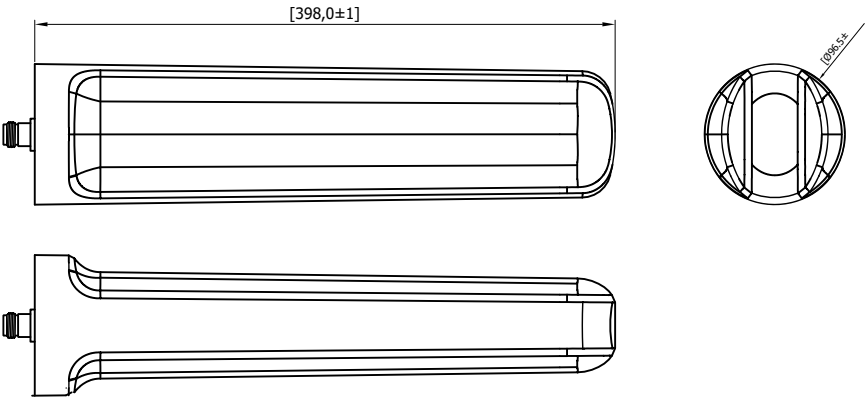
### L-shape Mount (vertical pole)



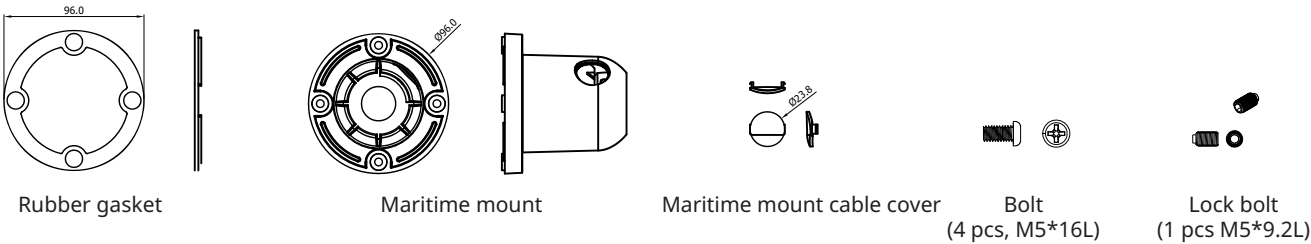
# Maritime Antenna 10

Packing List Information

Antenna



Maritime Mount Set



L-Mount Set

