MARITIME ANTENNA

Maritime 40G

Overview

- **Designed for Maritime Applications**

  IP68 rated, durable and UV-stable housing an omnidirectional antenna for the best signal reception.

- **Designed for 5G**

  Optimal gain, 4x4 MIMO antenna configuration for the best performance for maritime installations.

- **Ultra-wide bandwidth**

  Wide frequency range (410-6000MHz) for supporting LTE and 5G connectivity.

- **Easy installation**

  Supports standard maritime 1" 14 TPI thread mount and also has an L-shape mount for non-standard installations.

- **Wi-Fi bands**

  The antenna is designed for cellular bands but also covers both 2.4 & 5GHz Wi-Fi frequencies. To use the antennas for Wi-Fi, you will require an SMA to RP-SMA adapter.

Applications

- Maritime

7 dBi

IP 68

4x4 MIMO

LTE

GPS

Built for 5G

Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Maritime 40G

Specification

Antenna elements	4 elements
Cellular frequency bands & Gain	3.2dBi: 410-470MHz 3.8dBi: 617-960MHz 5.3dBi: 1710-2700MHz 6.5dBi: 3400-4200MHz 6.7dBi: 4900-6000MHz
VSWR	<3.5: 410-470MHz <3.0: 617-960MHz <2.5: 1710-6000MHz
Max feed power handling	10W
Input impedance	50 Ω
Polarisation	Linear

Frequency range	1561-1602 MHz
Peak gain	0.5dBi@1575MHz 1.6dBi@1602MHz
VSWR	< 2.5
Output return loss	10dB max
LNA gain	28 ±3dB
Noise figure	1.5dB max at 3.3V
Operating Voltage	3.3V
Power consumption	8.5mA ±2.5m at 3.3V

Type	CFD-200
Length	6'7" / 2m
Loss	0.33 dB/m @ 900 MHz 0.49 dB/m @ 2000 MHz 0.55 dB/m @ 2500 MHz 0.87 dB/m @ 5800 MHz
Diameter	13/64" / 5.0mm
Jacket	Half matt PVC, UV resistant
Termination	SMA male

Type	RG-174
Length	6'7" / 2m
Loss	3.4 dB/m @ 1000 MHz 4.9 dB/m @ 1800 MHz
Diameter	0.1" / 2.7mm
Jacket	Half matt PVC, UV resistant
Termination	SMA male

Specifications subject to change without notice.

Supported types	Standard Maritime 1" 14 TPI thread Pole and wall mounting Pole diameter: 1-2" (25-50mm)	
Product dimensions	**(Diameter)**	3.78" / 96mm
	(Height)	34.39" / 873.5mm
Packaged dimensions		41.54" x 6.0" x 6.1" 1055 x 153 x 155mm
Housing material		UV stable PC

Antenna	Maritime Antenna 40G
Accessories	Maritime mount set L-shape mount set Deck mount (ACW-652)

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

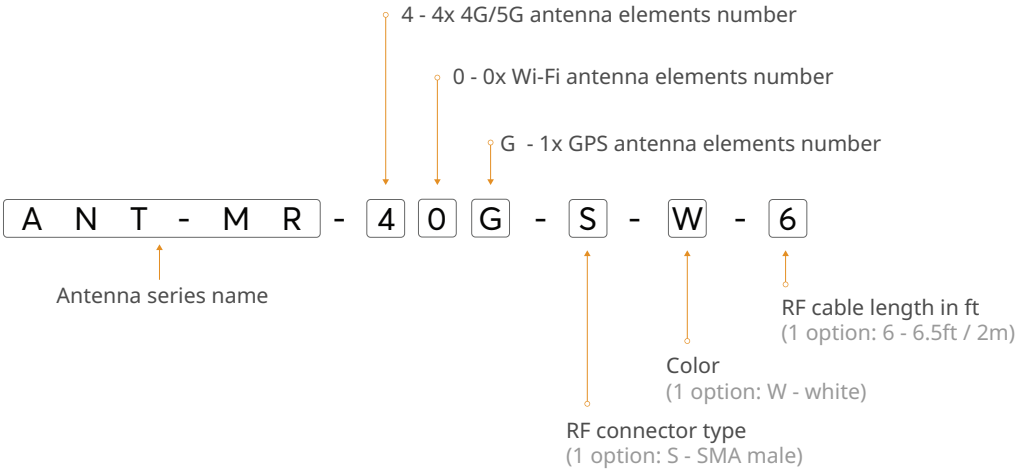
maritime@peplink.com

Find a Peplink Certified Partner

https://www.peplink.com/peplink-certified-partners/

Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Ordering Information

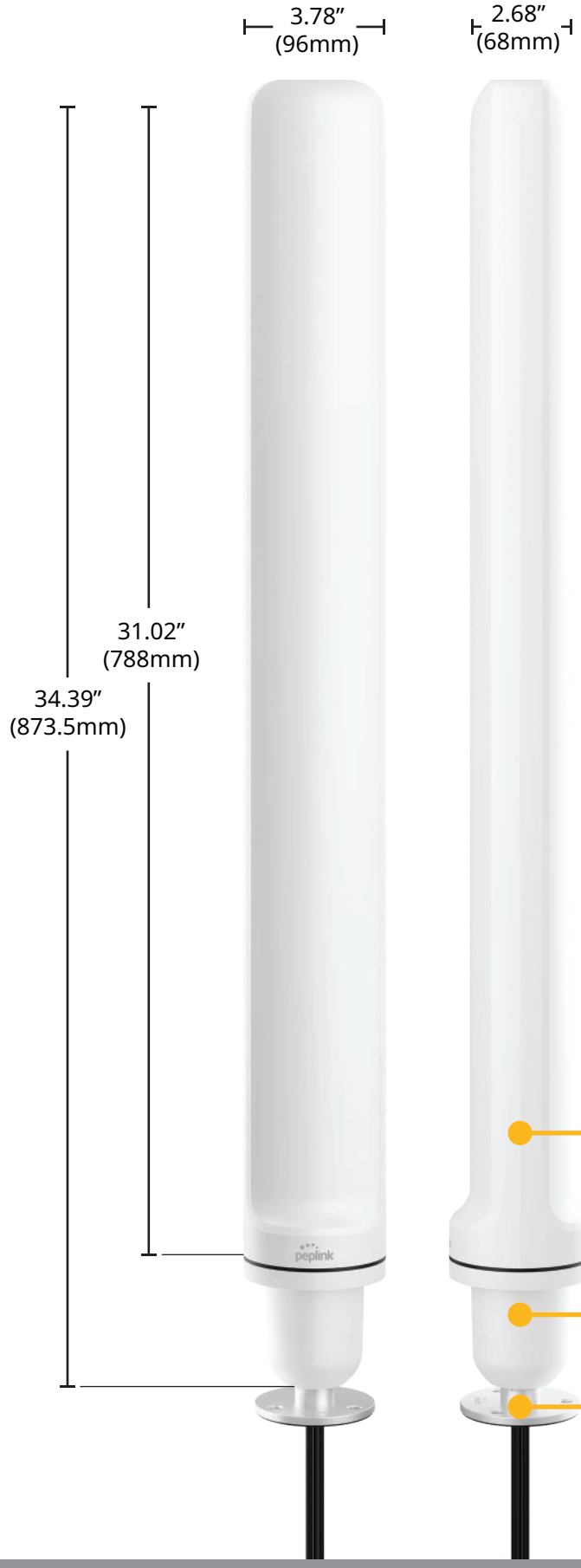


Product Code	Description
ANT-MR-40G-S-W-6	4x LTE/5G, 1x GPS 410-6000MHz, IP68, SMA male, White, 6.5ft / 2m

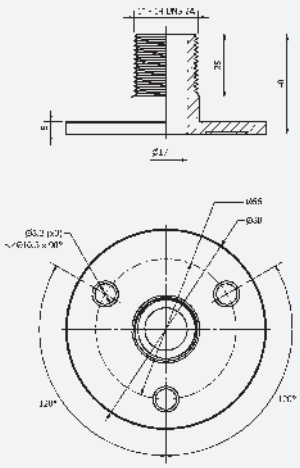
Maritime 40G

Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Technical Drawing



ACW-652

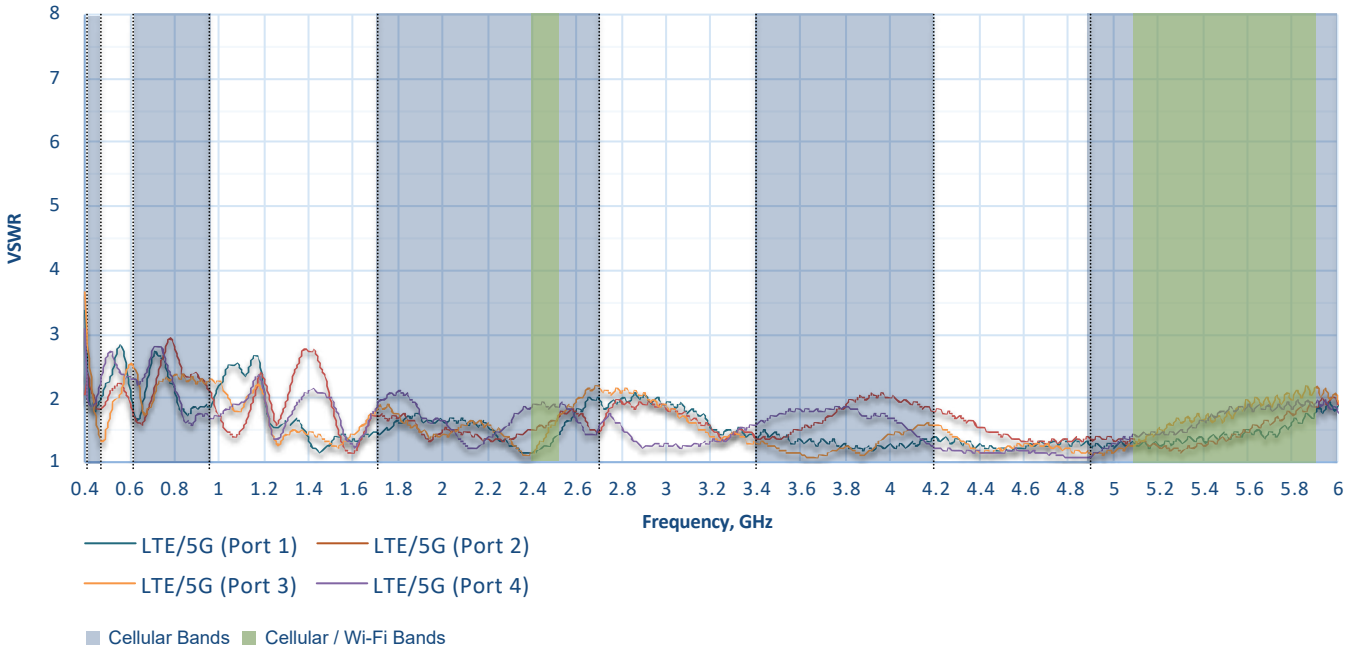


Mechanical Specification

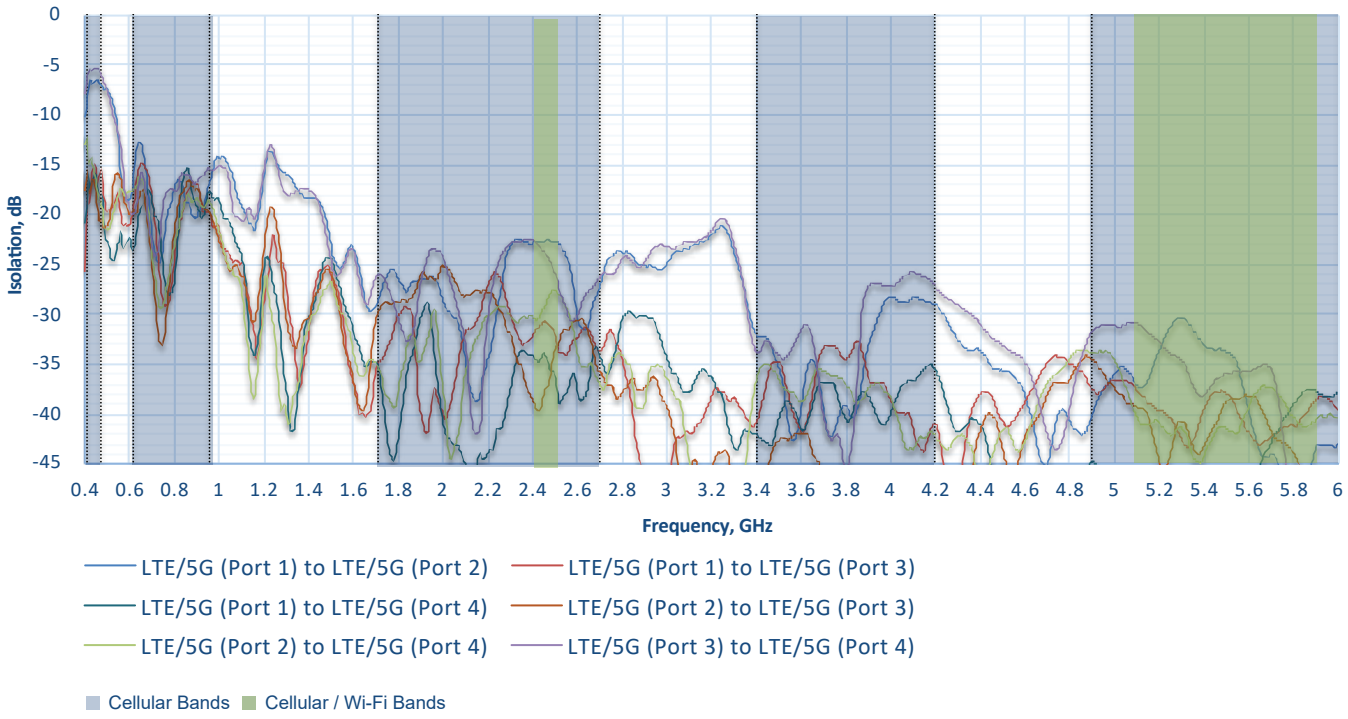
Material	Stainless Steel SS316
External thread	1" 14 TPI
Dimensions HxD	1.57" x 3.15" (40 x 80mm)
Weight	250g / 0.55 pounds

Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Cellular Antenna VSWR

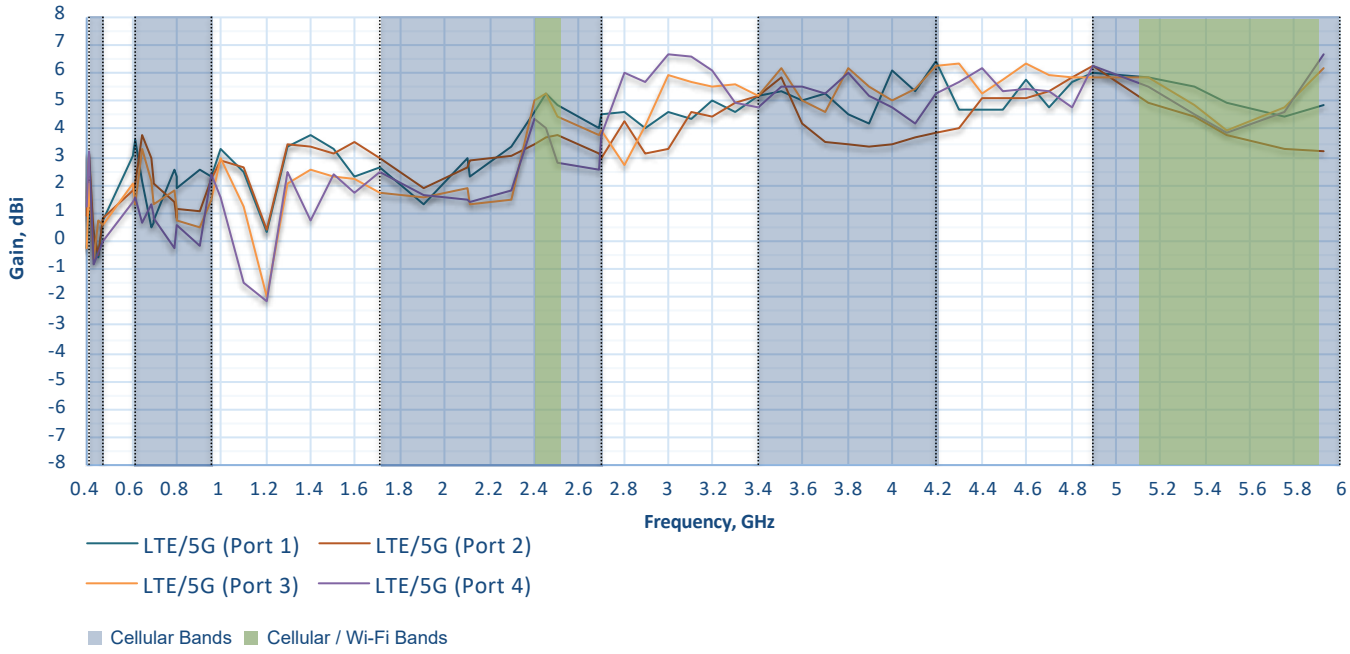


Cellular Antenna Element Isolation

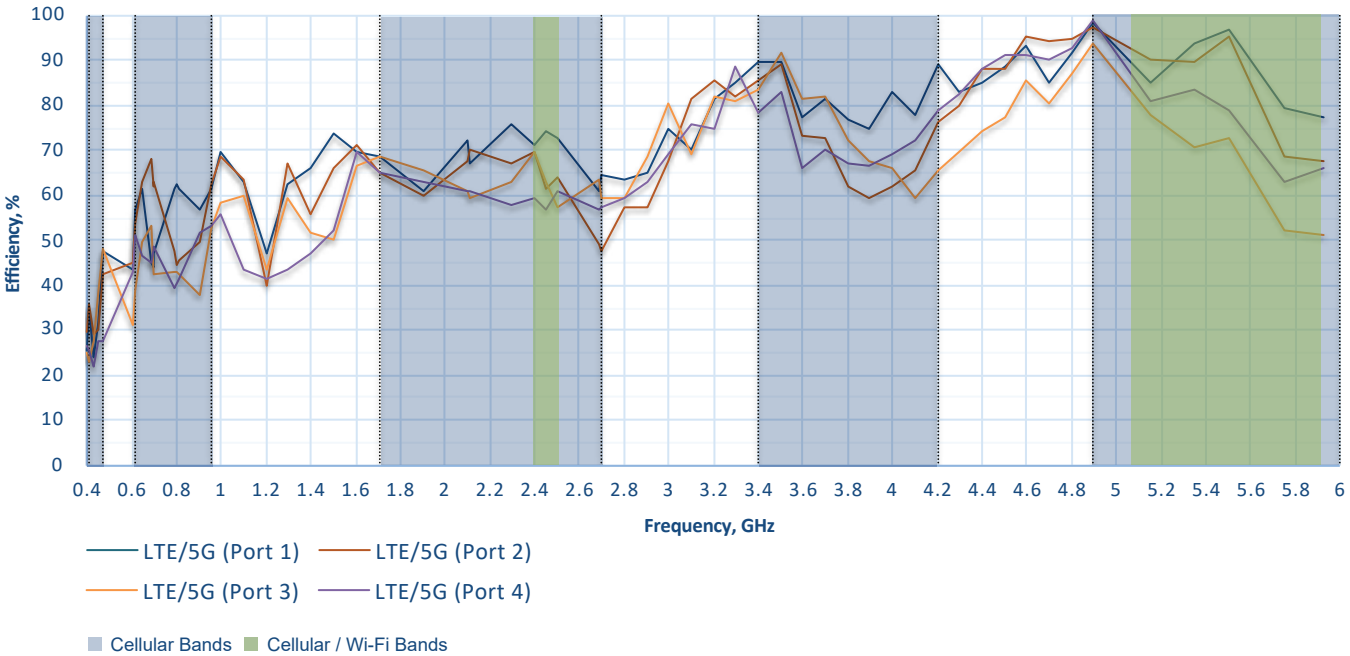


Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Cellular Antenna Gain



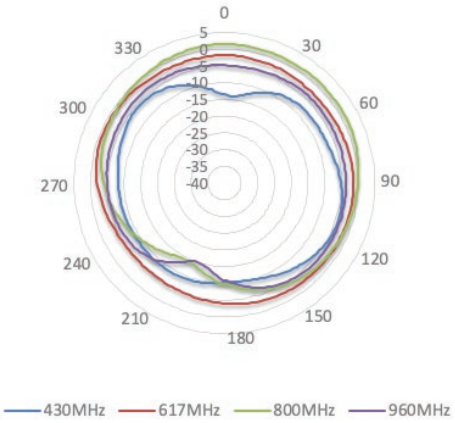
Cellular Antenna Efficiency

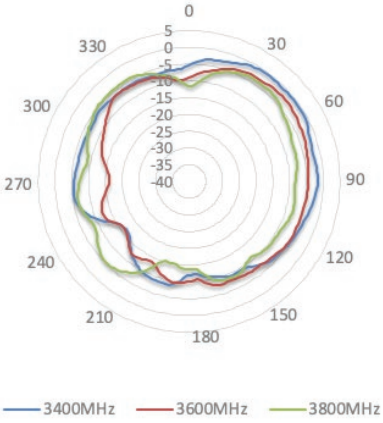


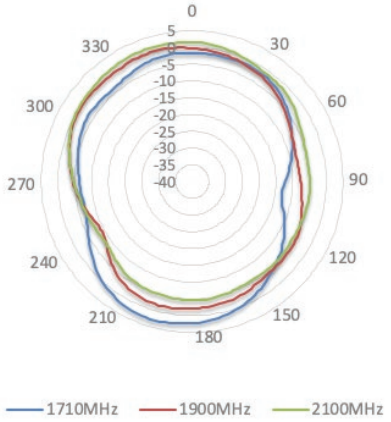
Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

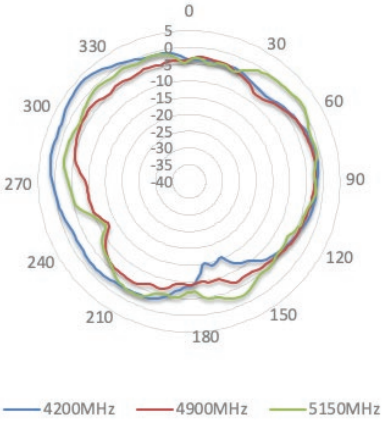
Maritime 40G

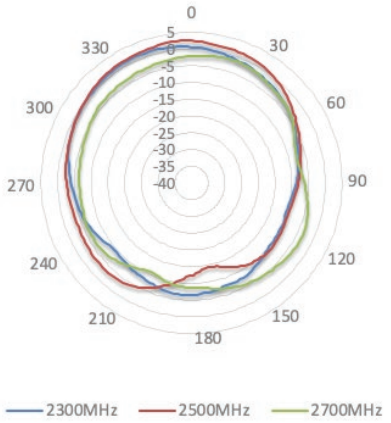
Radiation Patterns (Azimuth)

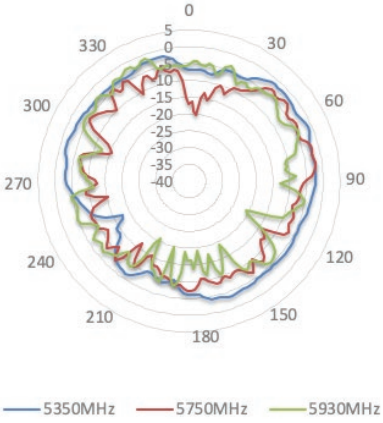








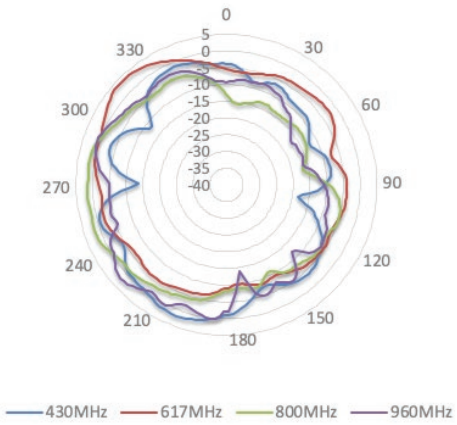


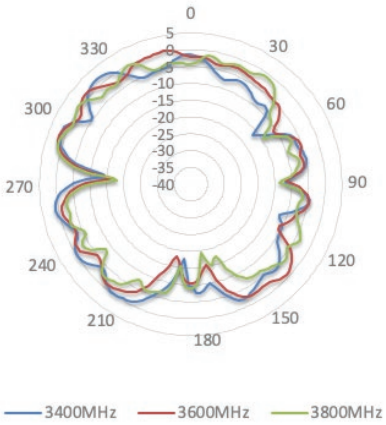


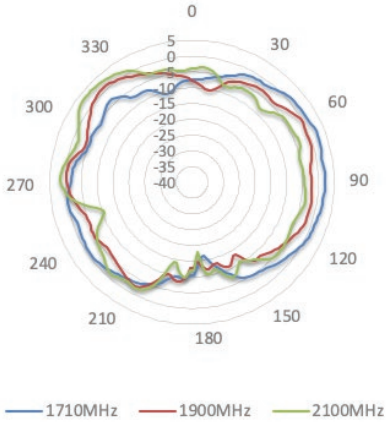
Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

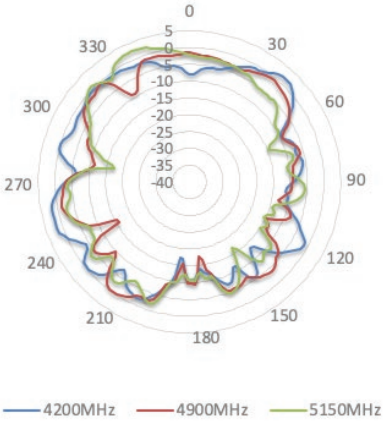
Maritime 40G

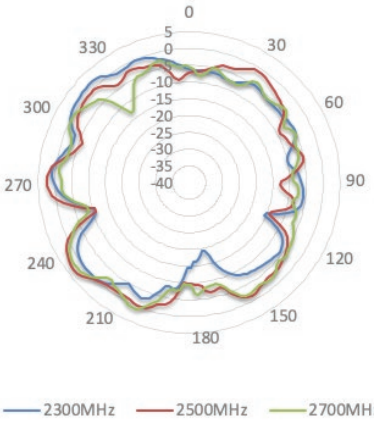
Radiation Patterns (Elevation 1)

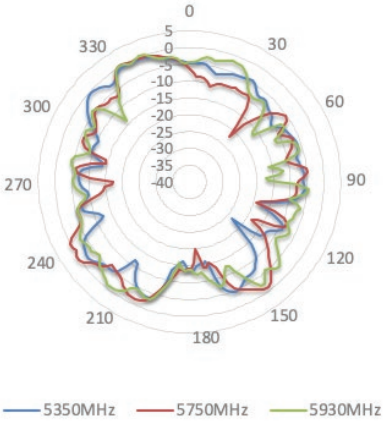








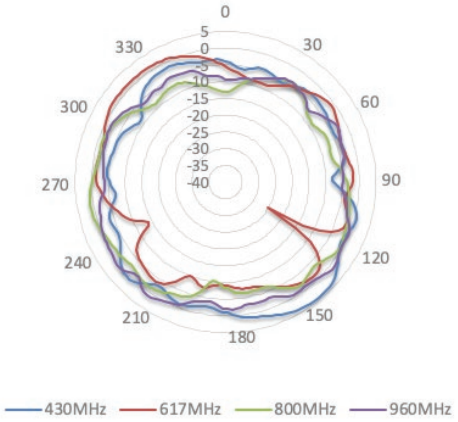


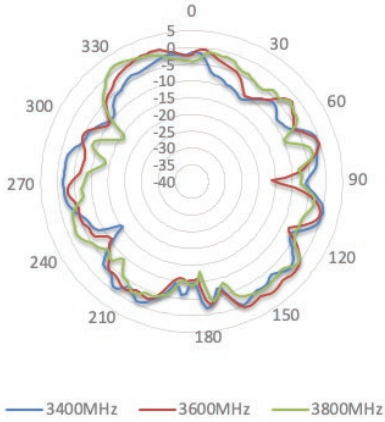


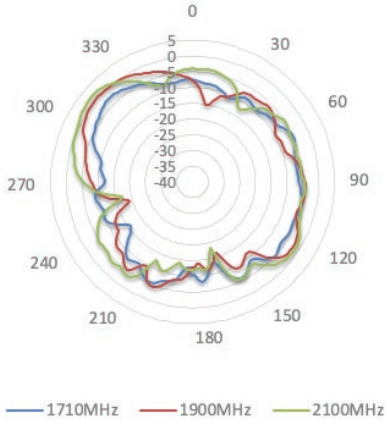
Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

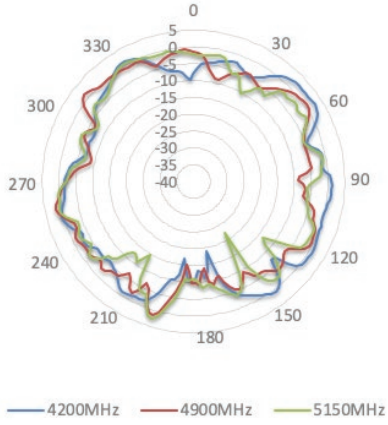
Radiation Patterns (Elevation 2)

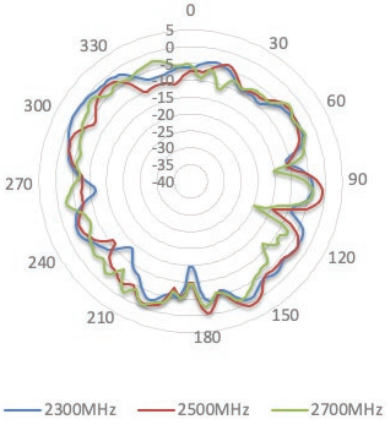
Maritime 40G

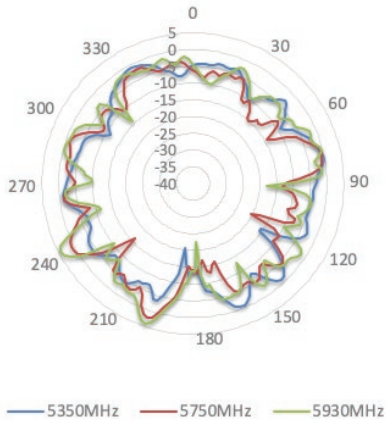








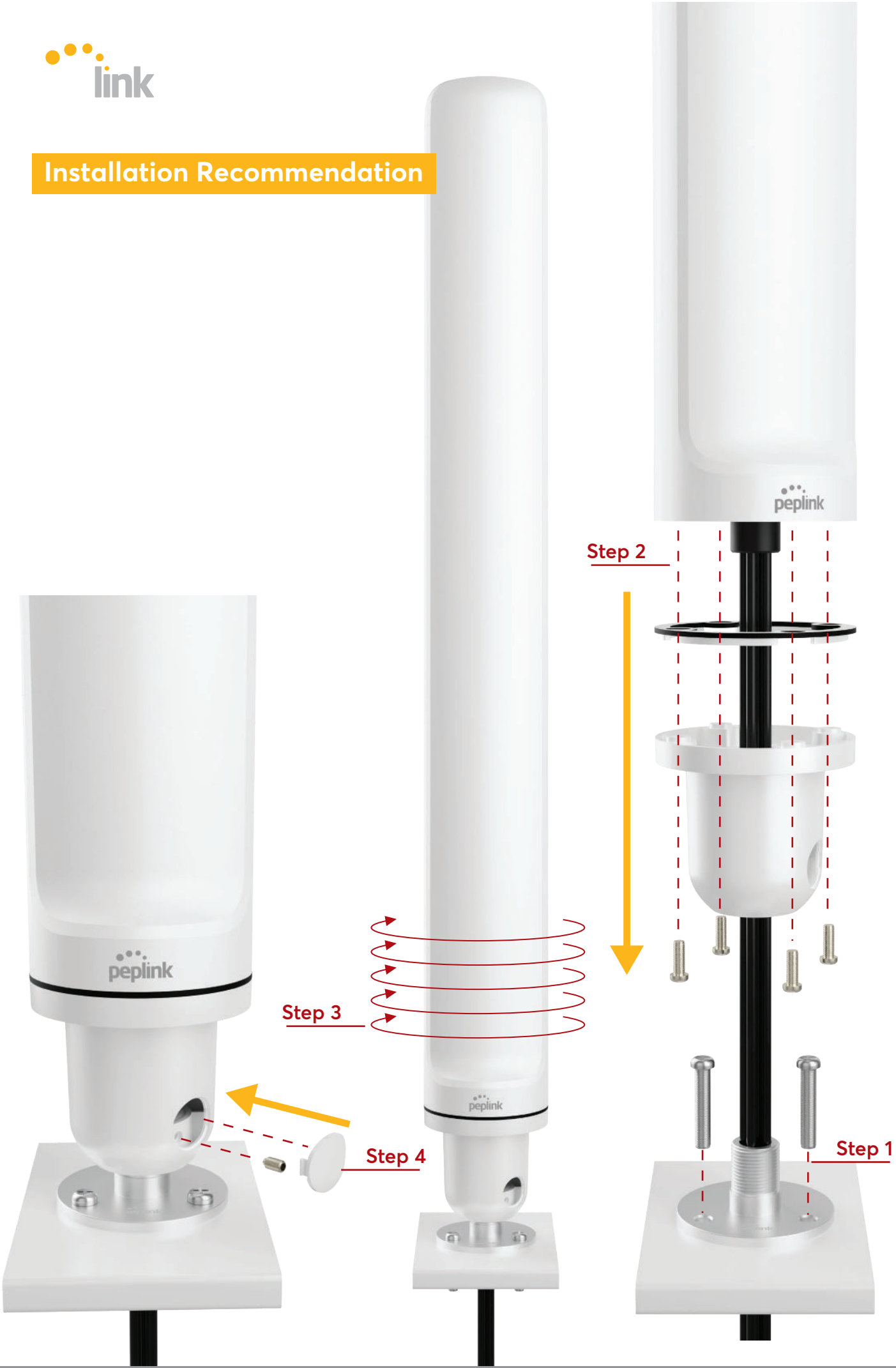




Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Installation Recommendation

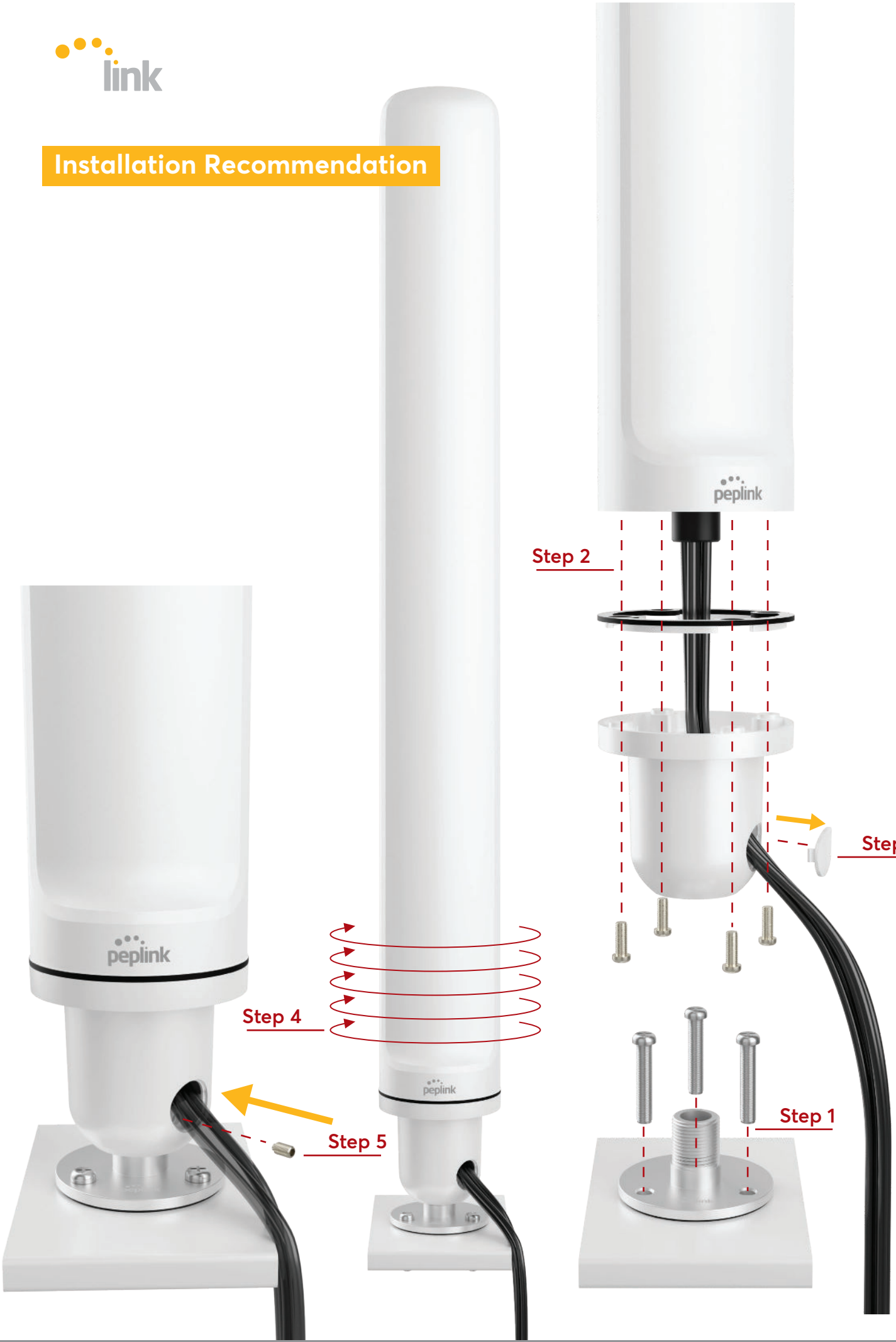
Maritime 40G



Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Installation Recommendation

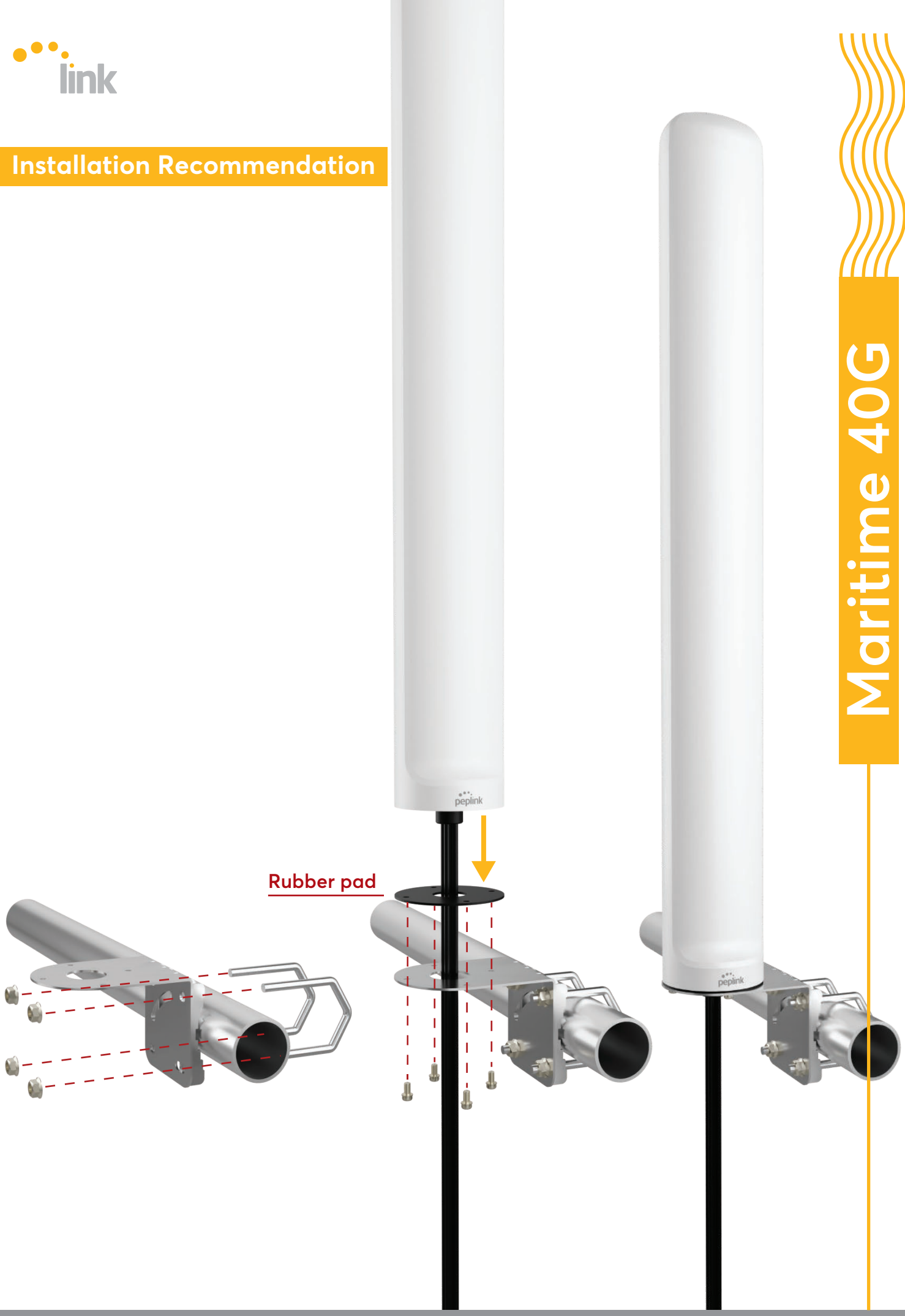
Maritime 40G



Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Installation Recommendation

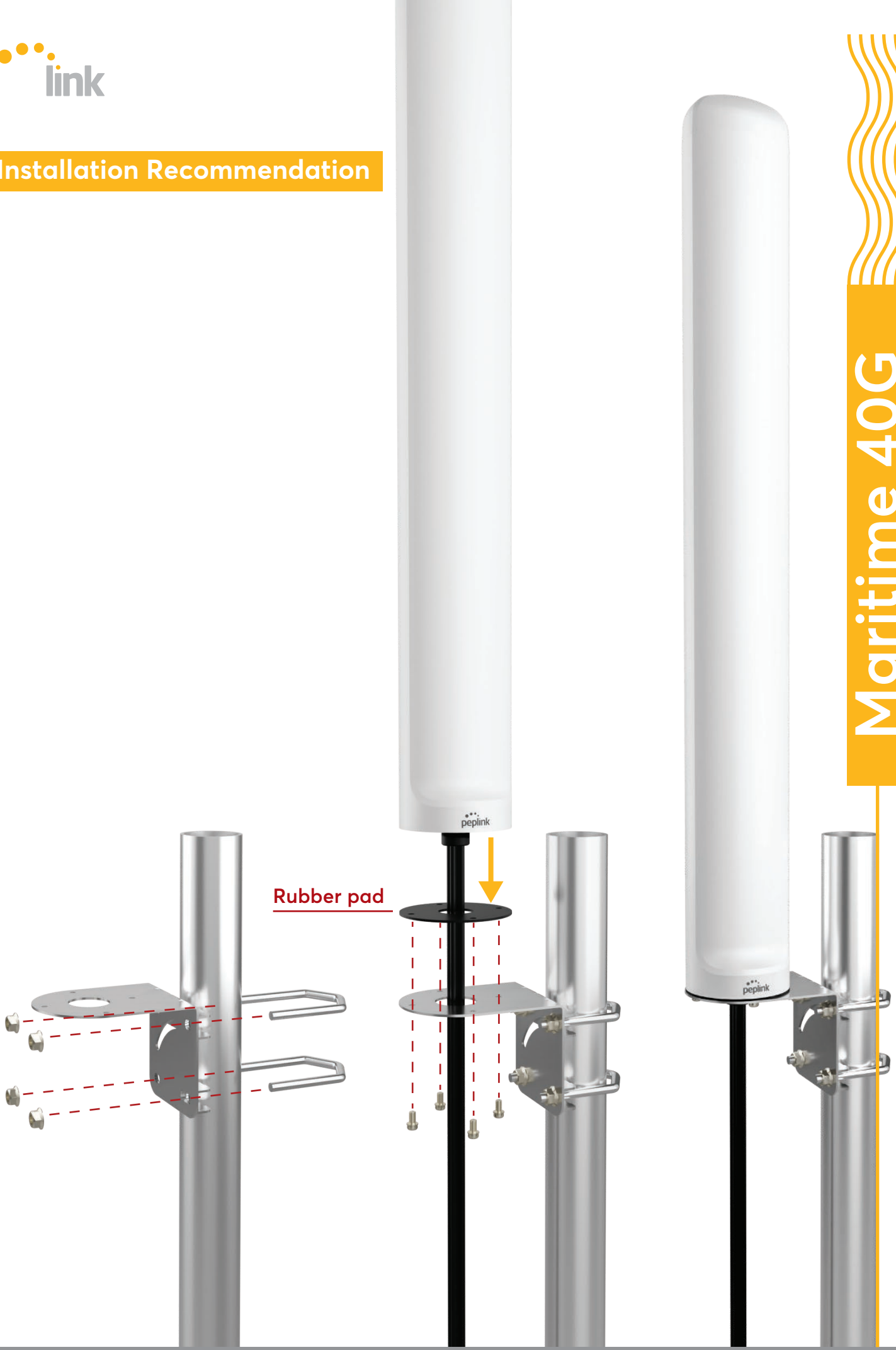
Maritime 40G



Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

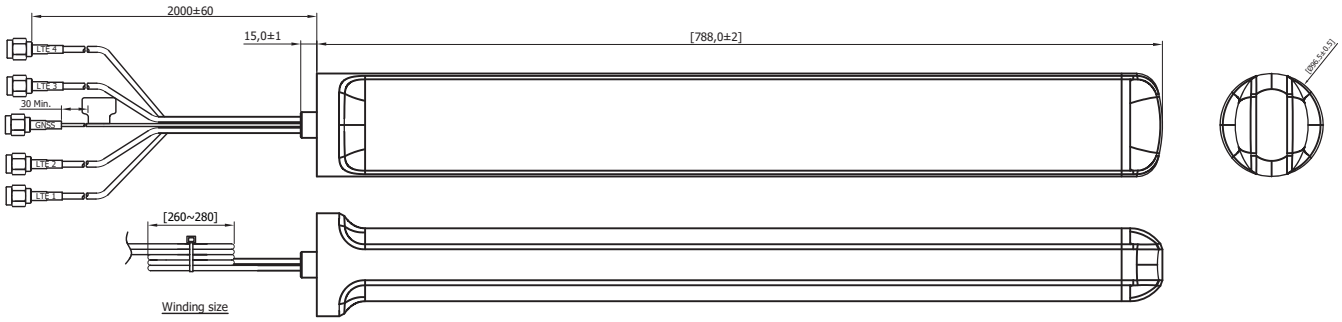
Installation Recommendation

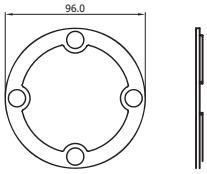
Maritime 40G



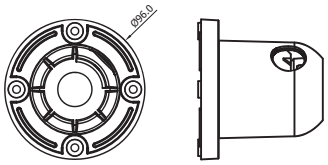
Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.

Packing List Information





Rubber gasket

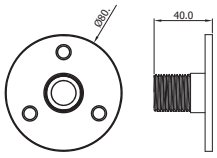


Maritime mount

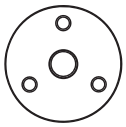
Maritime mount cable cover

Bolt
(4 pcs, M5*16L)

Lock bolt
(1 pcs M5*9.2L)



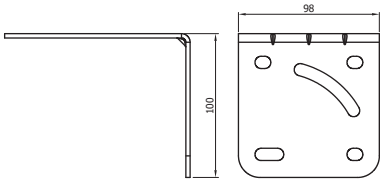
Deck Mount (ACW-652)



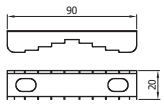
Rubber Gasket

Bolt
(3 pcs, M8*45L)

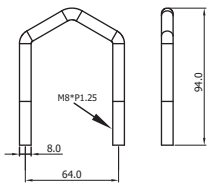
Nut
(3 pcs, M8)



L-Mount

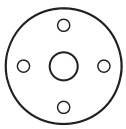


Bracket
(2 pcs)



V-bolt
(2 pcs)

V-bolt nut
(4 pcs, M8)



Rubber pad

Maritime 40G

Copyright © 2025 Peplink Pte. Limited. All Rights Reserved.