

LONG RANGE

Dome Pro LR

Supercharge Your Maritime Connectivity

LONG
Range

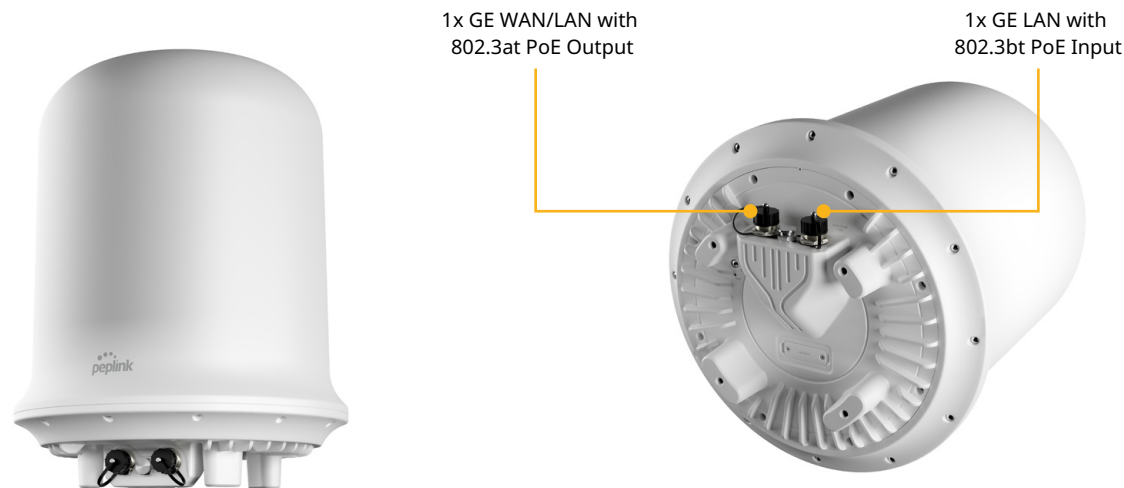
Built for

5G

6
Wi-Fi 6

Wi-Fi WAN





Specifications

WAN Interface	1x 10/100/1000M Ethernet 2x 5G Modems with Redundant SIM Slots	Power Consumption	24 W (max., without PoE output)
LAN Interface	1x 10/100/1000/2500M Ethernet	Dimension	14.6 inches (diameter) x 18.8 inches (height) 370 mm (diameter) x 478.5 mm (height)
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6 2x2 MU-MIMO Wi-Fi WAN and/or AP	Weight	14 pounds / 6.35kg 22 pounds / 9.98kg (With Packaging)
Number of PepVPN SpeedFusion Peers	2	Operating Temperature	-40°– 149°F / -40°– 65°C
Enclosure	Rugged Outdoor IP67	Humidity	15% – 95% (non-condensing)
Recommended Users	150	Certifications	FCC, CE, RoHS
Cellular Data Rate ¹ (Downlink / Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps	Package Content	Dome Pro LR 4x M8 bolts 2x Waterproof Ethernet Adapters (ACW-112)
Antenna	8x Internal Long Range Optimized Cellular Antennas 2x Internal Wi-Fi Antennas 1x Internal GPS Antenna	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) RemoteSIM from SIM Injector FusionSIM
Power Input	1x 802.3at PoE+ (without PoE output) / 1x 802.3bt PoE+ + (with PoE output)	Warranty	1-Year Limited Warranty
Power Output	1x 802.3at PoE+		

¹ Maximum theoretical data rates.

Specifications are subject to change without notice.

Ordering Information

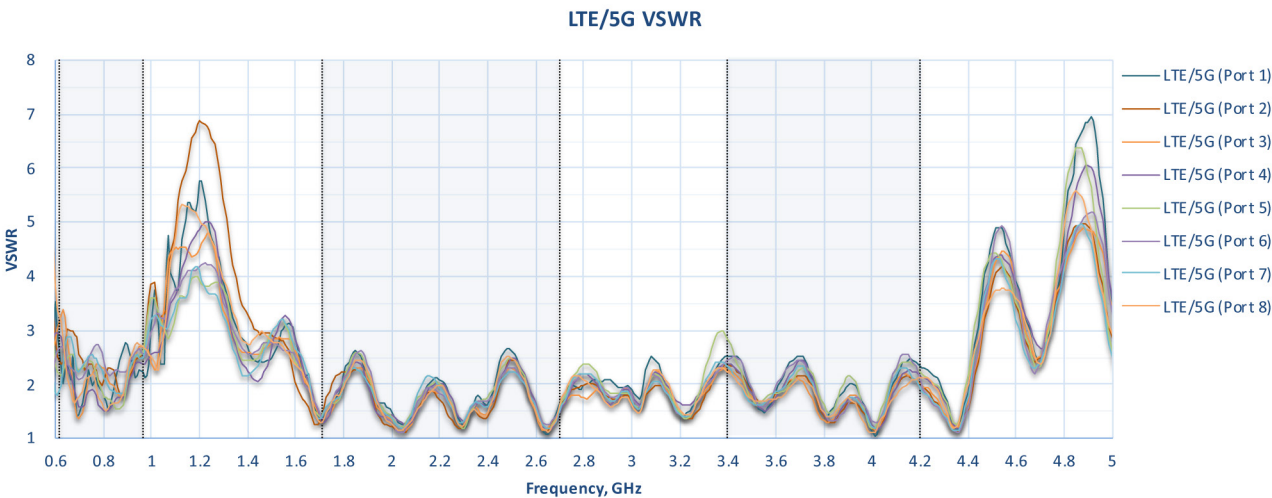
Product Code	Regions	5G Bands	LTE Bands
DOM-PRO-LR-5GN-PRM Embedded Modem(s): 2x 5G	Global* *US Carrier Certifications: AT&T, T-Mobile, Verizon (C-Band), FirstNet	5G (SA & NSA) Sub 6Ghz: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71

Featured Add-on

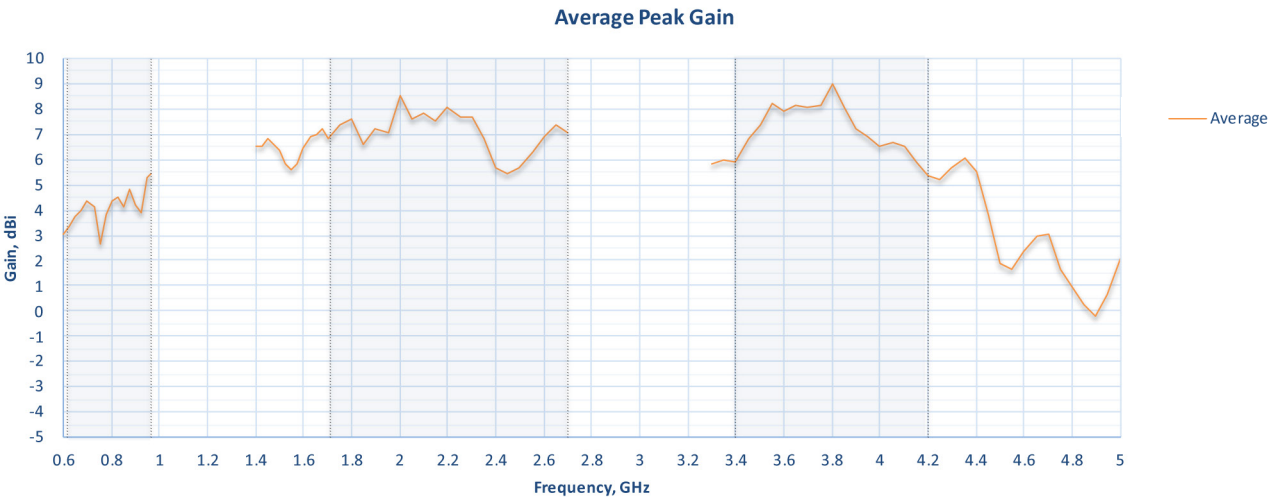
Product Code	Description
PRM-P-1Y / PCP-P-1Y	PrimeCare P / PrimeCare+ P (1-Year)
PRM-P-2Y / PCP-P-2Y	PrimeCare P / PrimeCare+ P (2-Year)
PRM-P-4Y / PCP-P-4Y	PrimeCare P / PrimeCare+ P (4-Year)

Cellular Antenna Performance

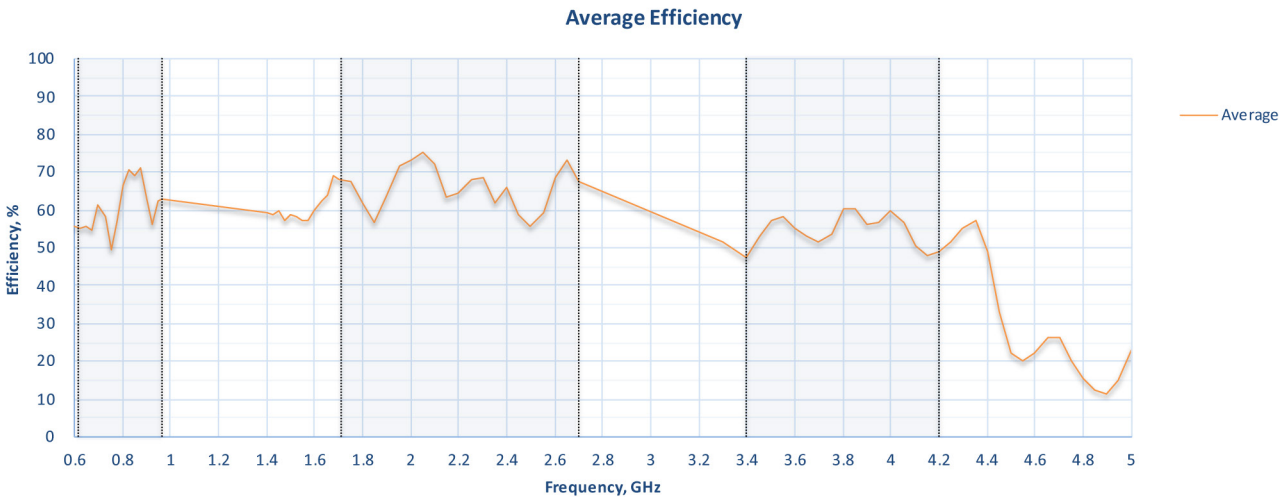
Cellular Antenna VSWR



Cellular Antenna Gain

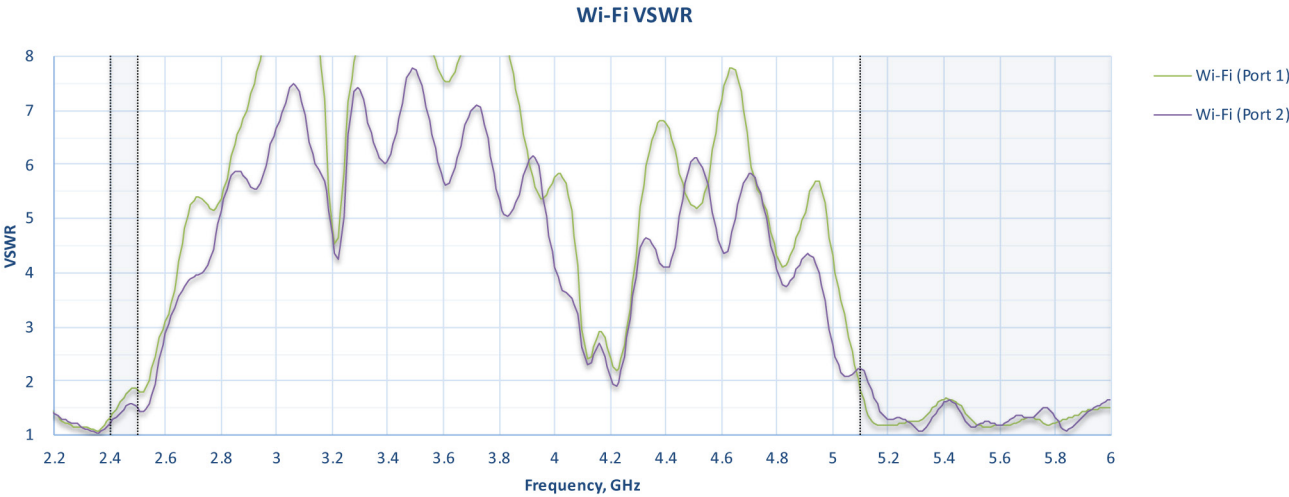


Cellular Antenna Efficiency

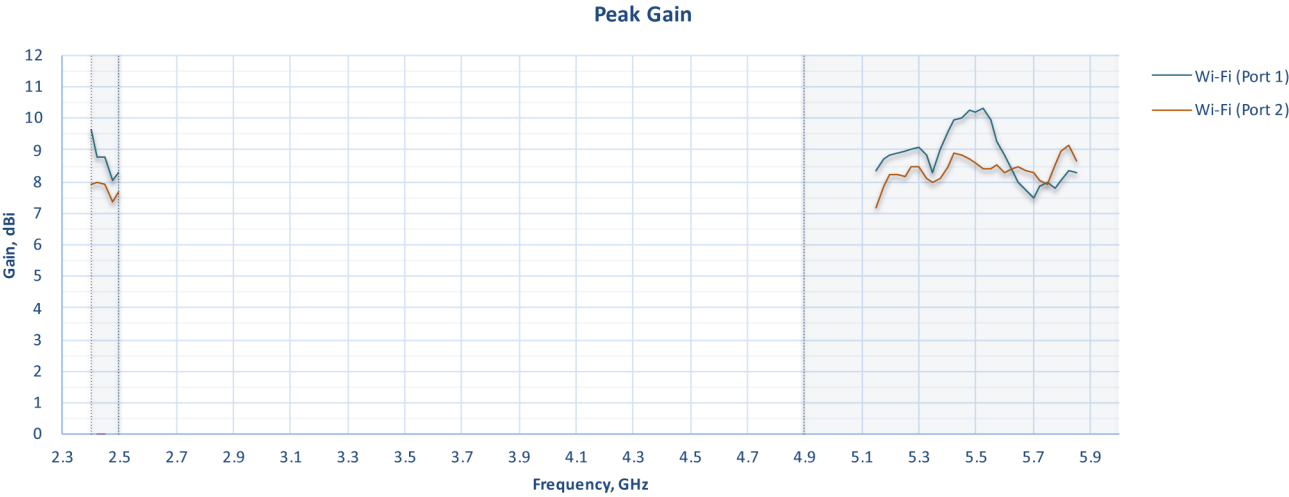


Wi-Fi Antenna Performance

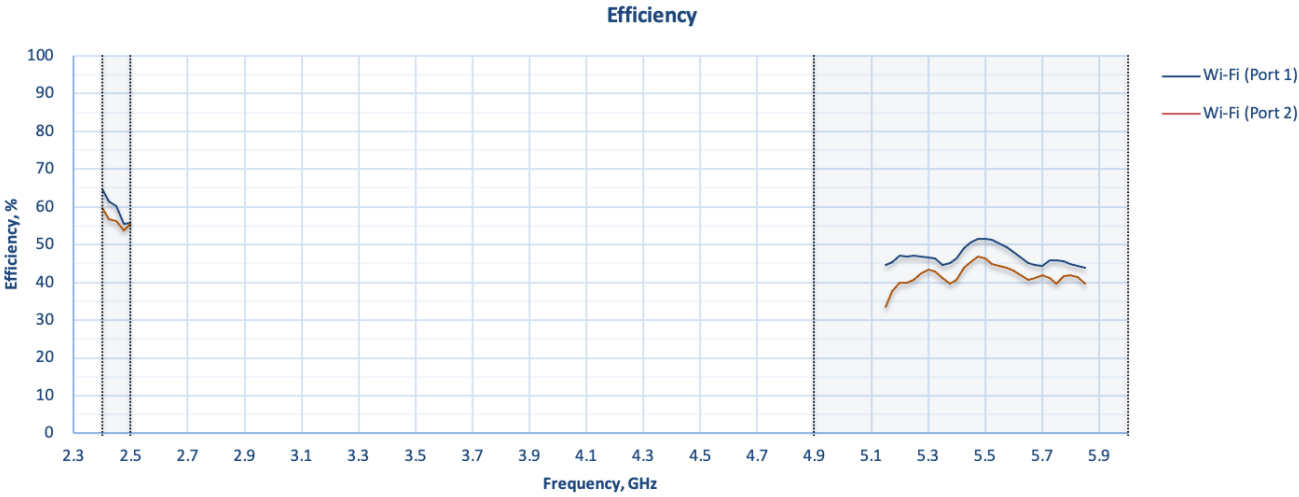
Wi-Fi Antenna VSWR



Wi-Fi Antenna Gain

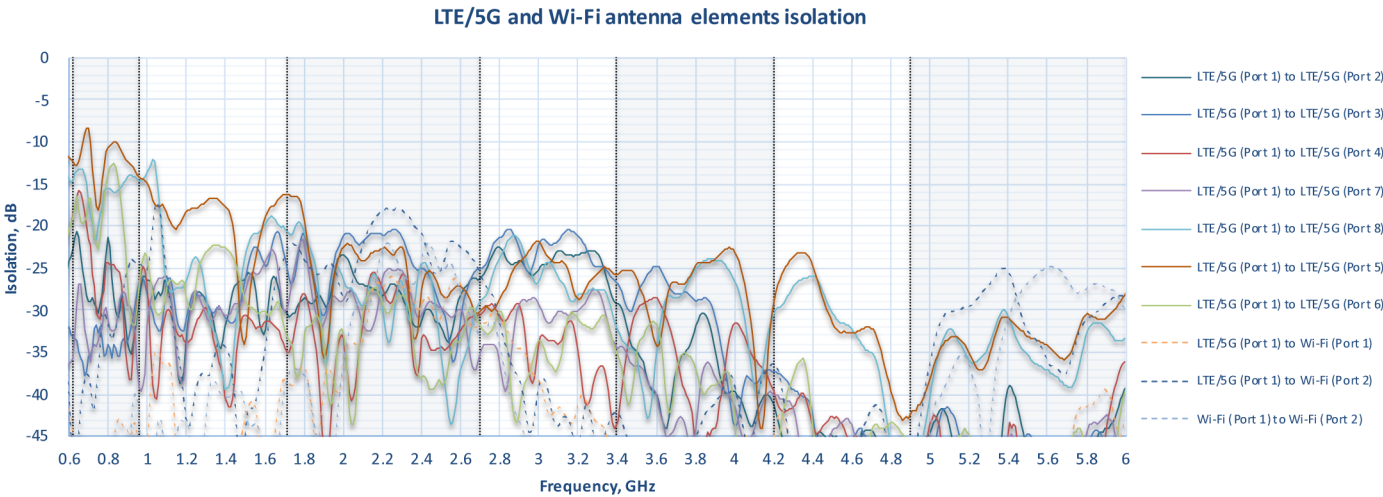


Wi-Fi Antenna Efficiency



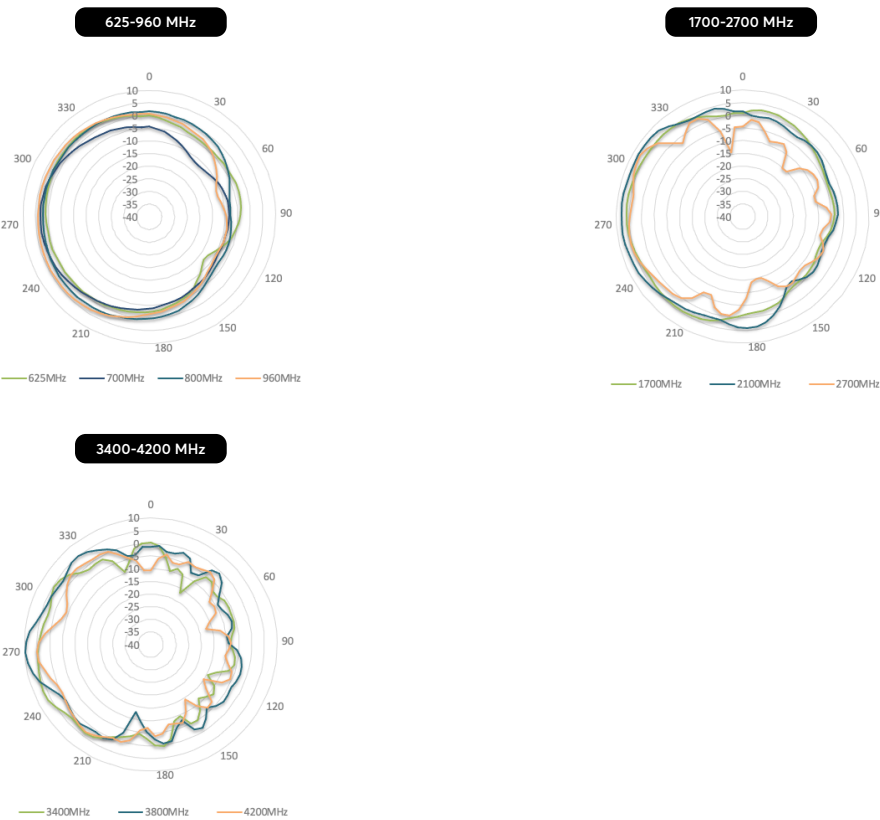
Cellular & Wi-Fi Antenna Performance

Cellular & Wi-Fi Antenna Isolation



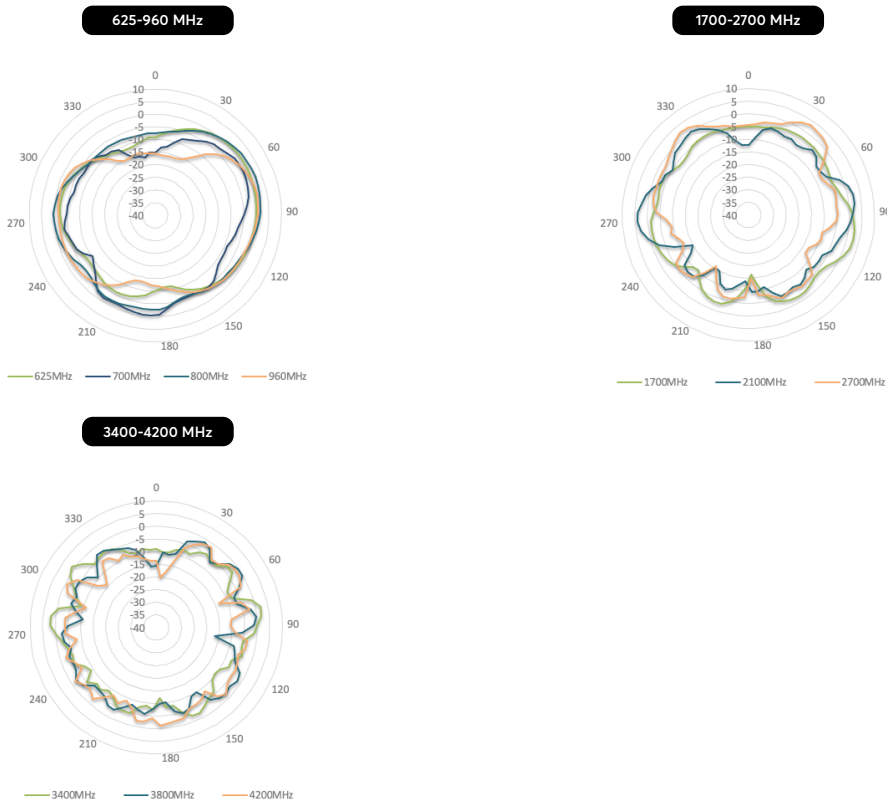
Radiation Pattern

LTE Radiation Patterns (Azimuth)

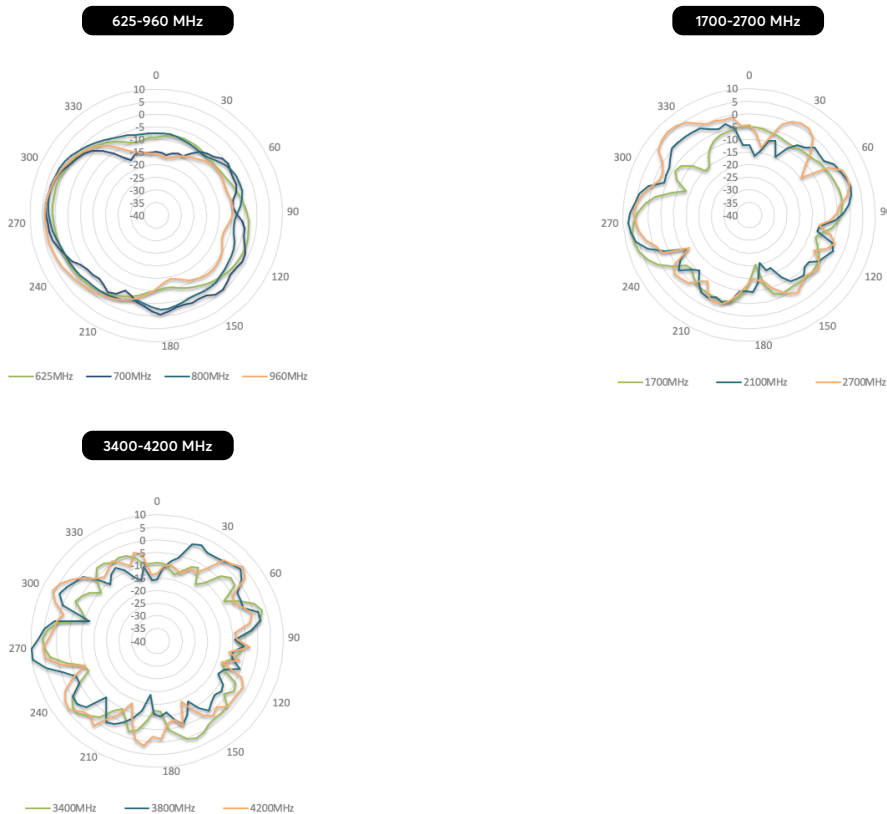


Radiation Pattern

LTE Radiation Patterns (Elevation 1)

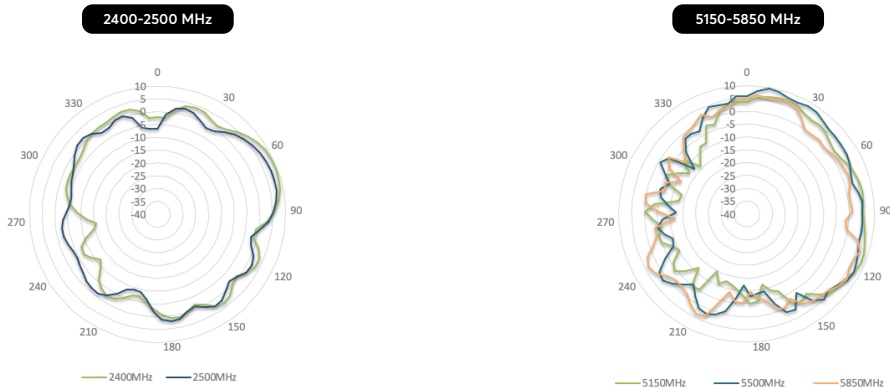


LTE Radiation Patterns (Elevation 2)



Radiation Pattern

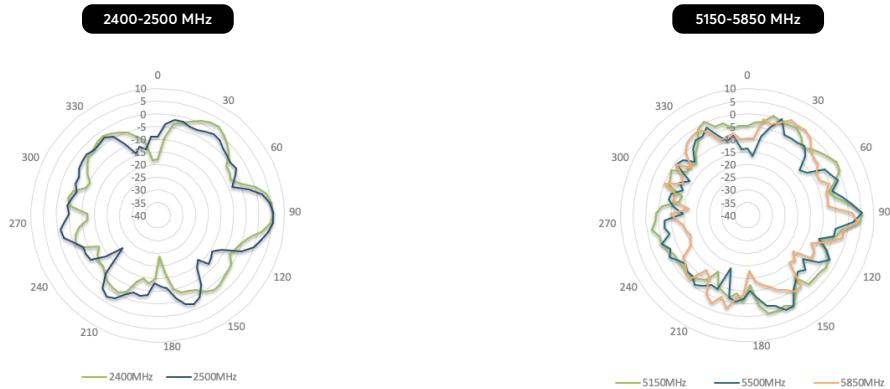
Wi-Fi Radiation Patterns (Azimuth)



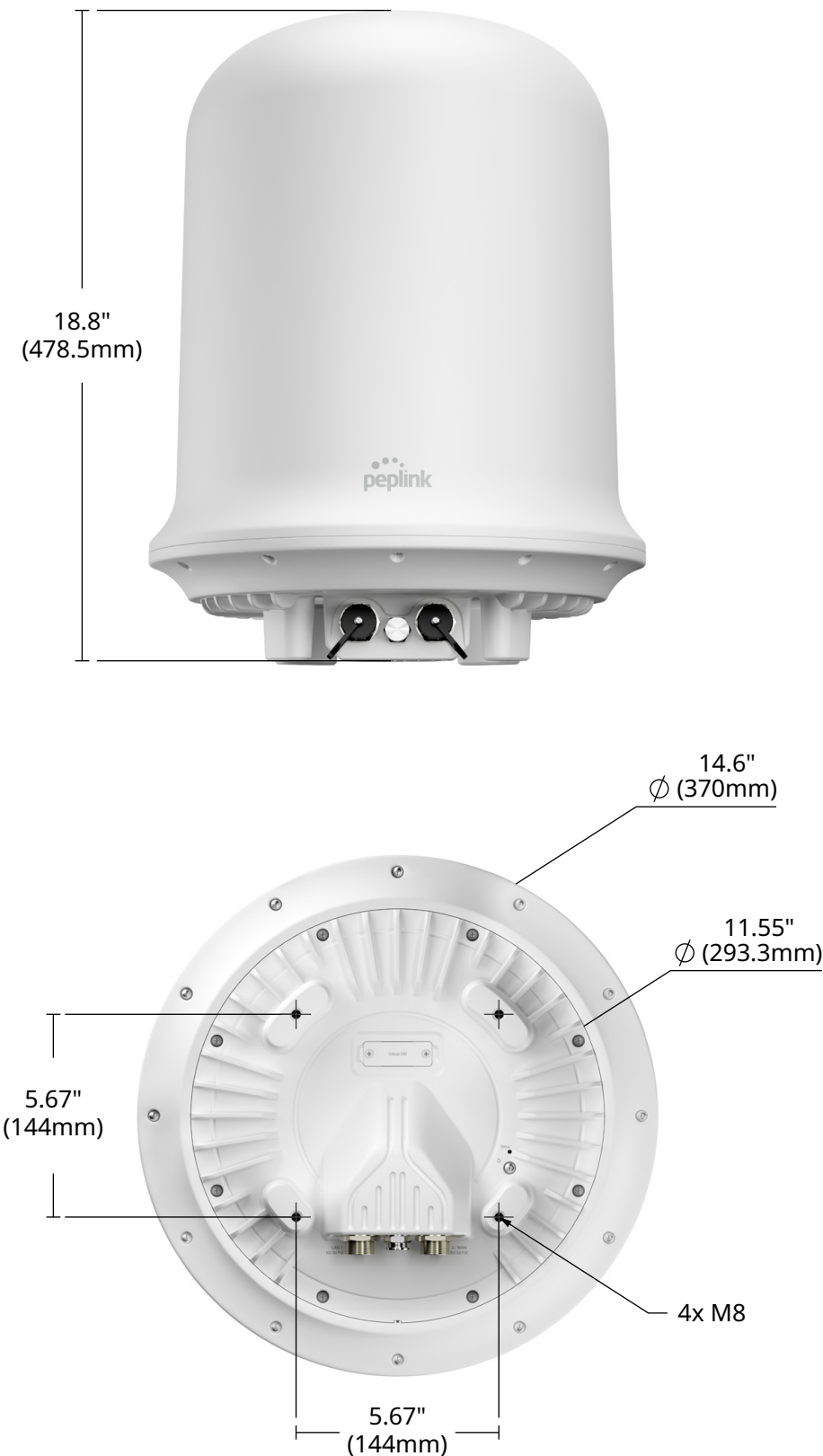
Wi-Fi Radiation Patterns (Elevation 1)



Wi-Fi Radiation Patterns (Elevation 2)

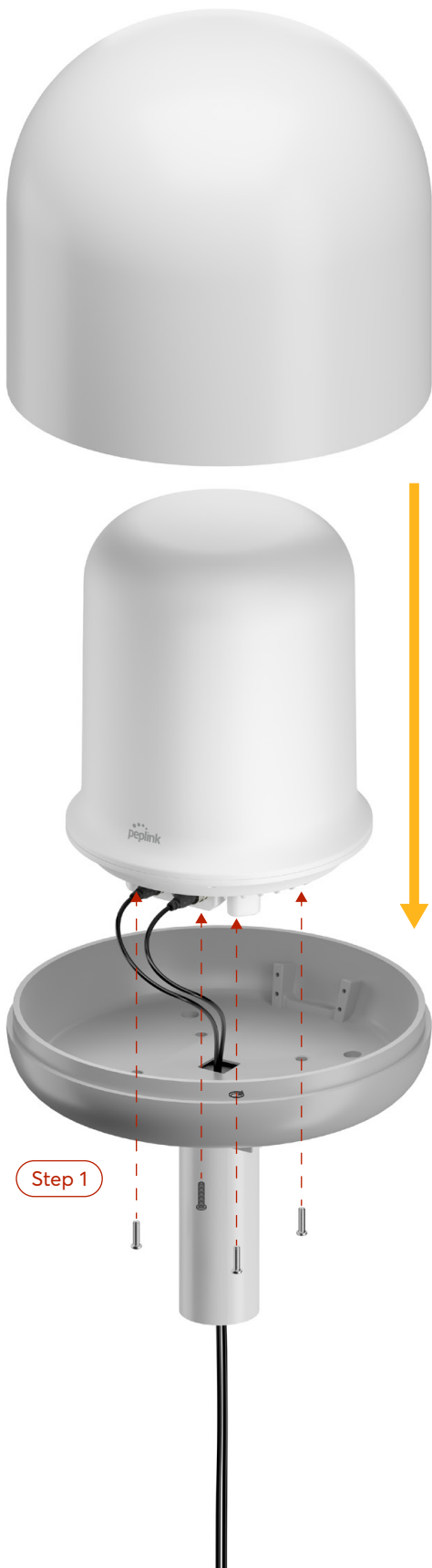


Technical Drawing



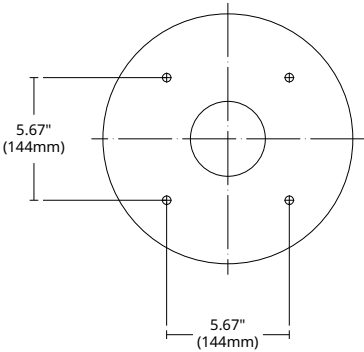
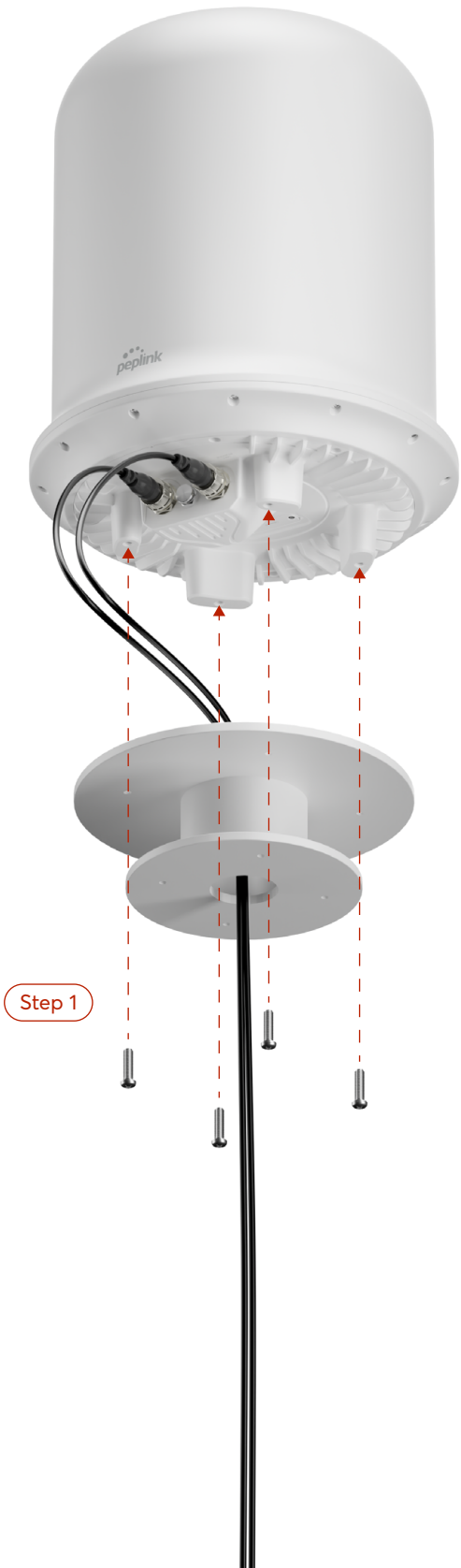
Installation Recommendation

In VSAT Dome



Installation Recommendation

In Standard Dome Mount



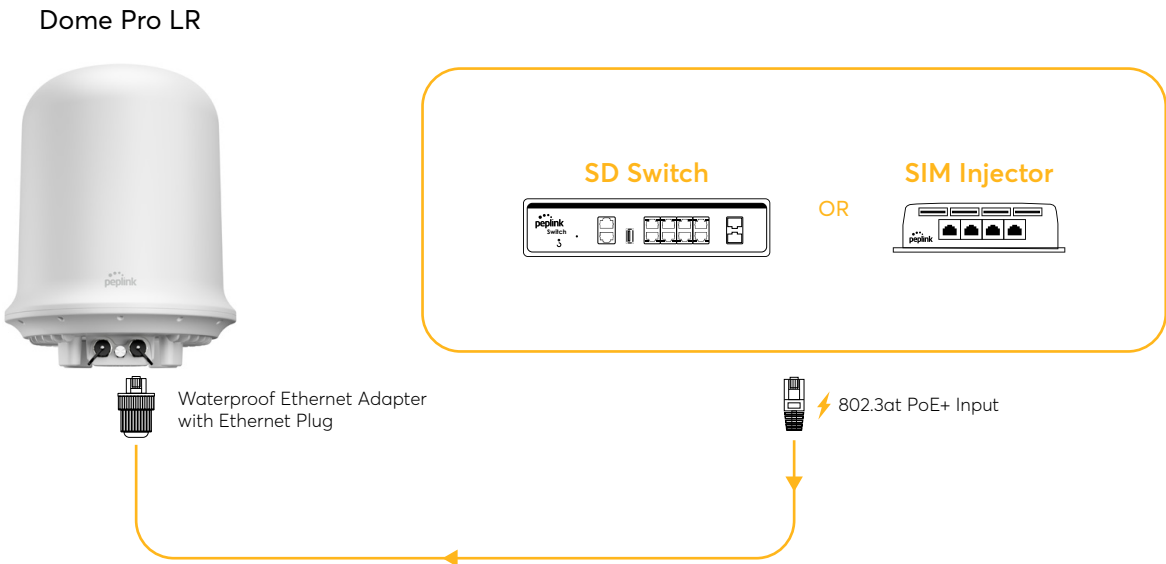
Note Standard Dome mounts can be used.



Powering Dome

Via SIM Injector or SD Switch

Via SIM Injector or SD Switch if the PoE output is not used.



Via 802.3bt PoE adapter

Via 802.3bt PoE adapter if the PoE output is used.

