



THORBR1

Thunder Series

Integrated 5G Omnidirectional Antenna
for Peplink MAX BR1 Mini 5G

- Integrated Multi-Band 5G Omni Antenna
- Cavity To Install DIGI EX50 Router
- Perfect Outdoor Device

Contents

Page:	Section:
3	Introduction
4	Specifications
5	Mechanical Specifications
6	Plots
9	Dimensions

Ireland & USA
ISO 9001:2015
Certified



Taiwan
ISO 9001:2015
Certified



Taoglas makes no warranties based on the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Taoglas reserves all rights to this document and the information contained herein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.

© Taoglas 2025

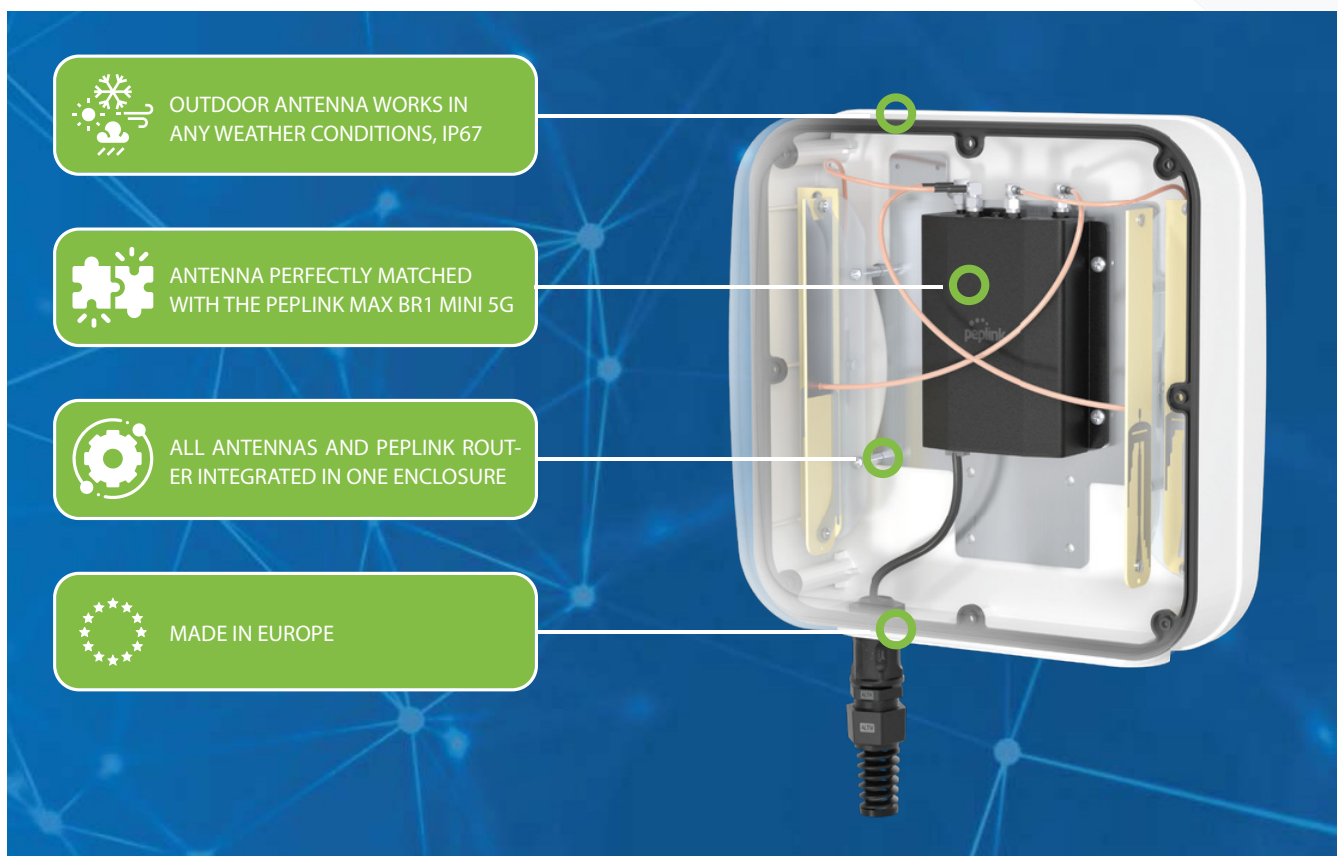
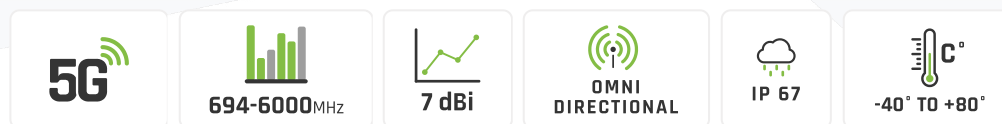


Thunder Series THORBR1

Integrated Multi-Band 5G/LTE Omnidirectional Antenna for Peplink MAX BR1 Mini 5G

INTEGRATED MULTI-BAND 5G OMNI ANTENNA + PLACE TO INSTALL PEPLINK MAX BR1 MINI 5G (ALL-IN-ONE)

The Taoglas **THORBR1** is an omnidirectional all-in-one antenna for Peplink MAX BR1 Mini 5G routers is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, and RVs. It has embedded omni 5G antennas. If you use a Peplink MAX BR1 Mini 5G router with a THORBR1 Thunder omnidirectional antenna, you get a complete integrated solution with embedded router and multi-band antennas in one enclosure.





5G / LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 : 2.5 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω



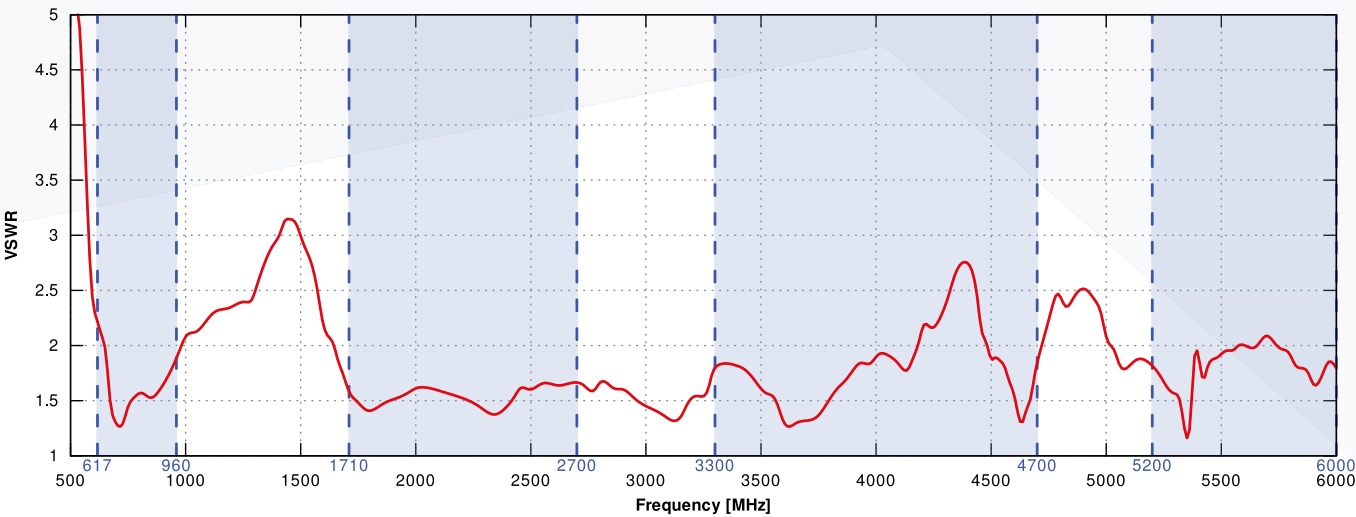
MECHANICAL SPECIFICATION

MATERIAL	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	272 x 276 x 100 mm 10.71 x 10.87 x 3.93 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0,6 - 0,8 Nm

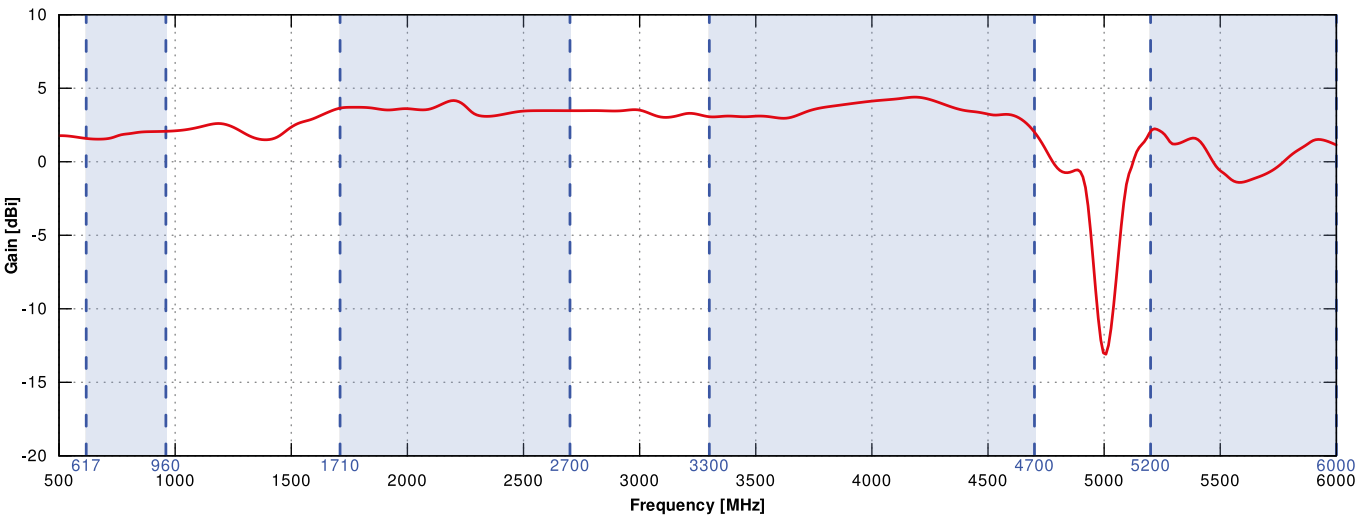


PLOTS

5G/LTE VSWR

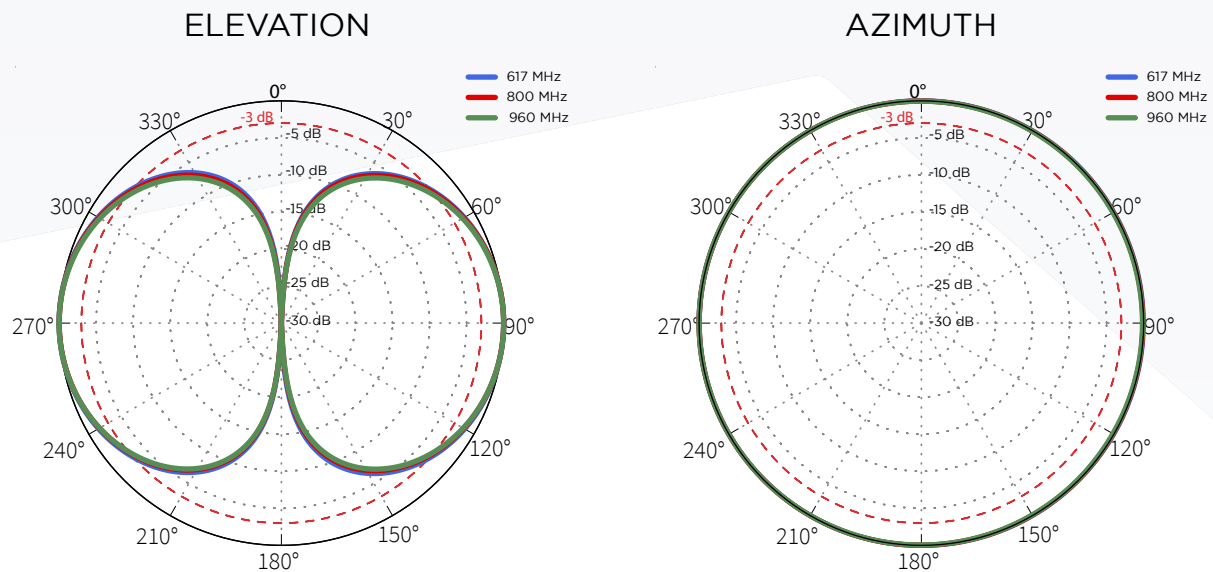


5G/LTE Gain

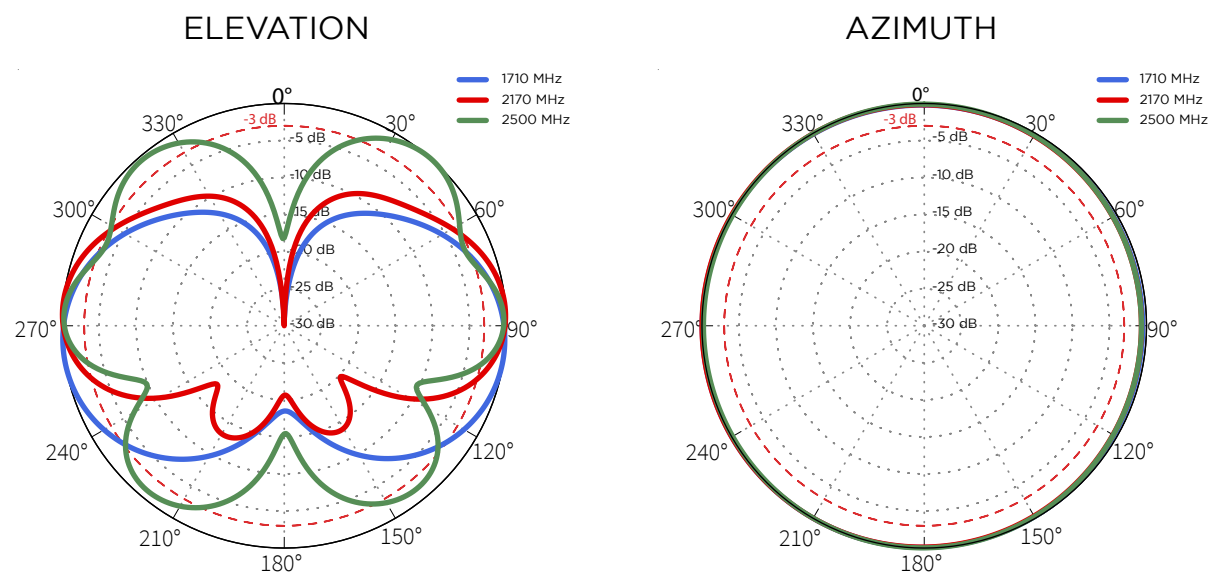




5G/LTE from 617 MHz to 950 MHz

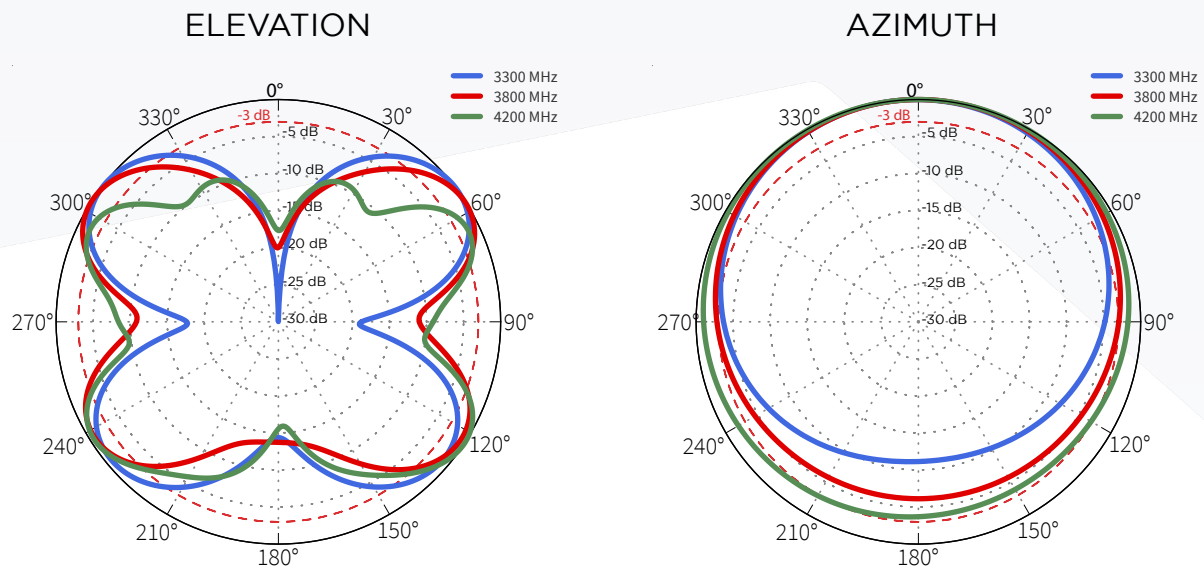


5G/LTE from 1.71GHz to 2.5 GHz

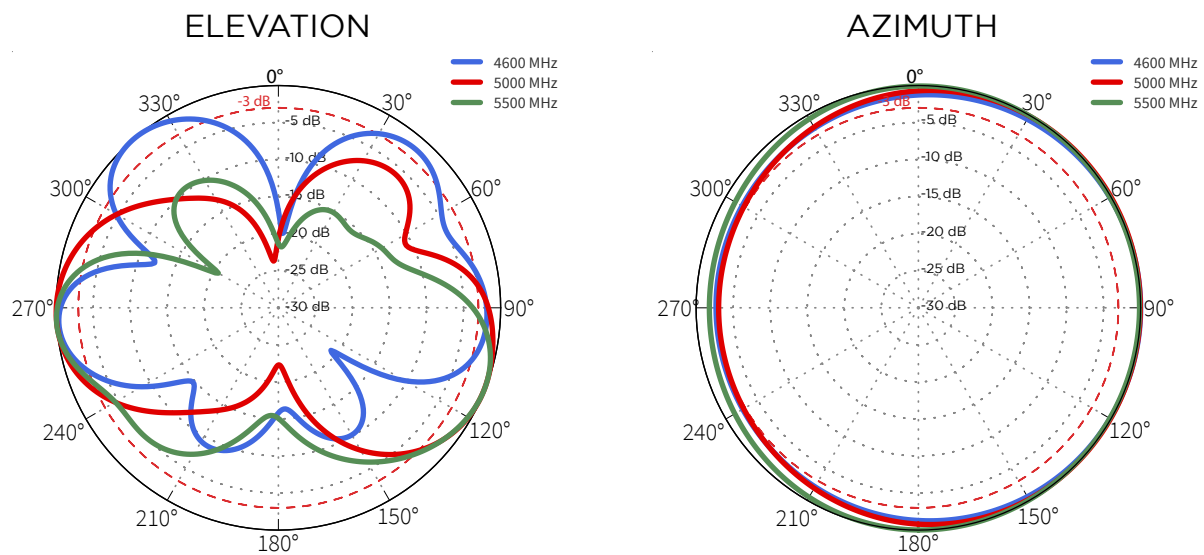




5G/LTE from 3.3 GHz to 4.2 GHz



5G/LTE from 4.6 GHz to 5.5 GHz





DIMENSIONS

