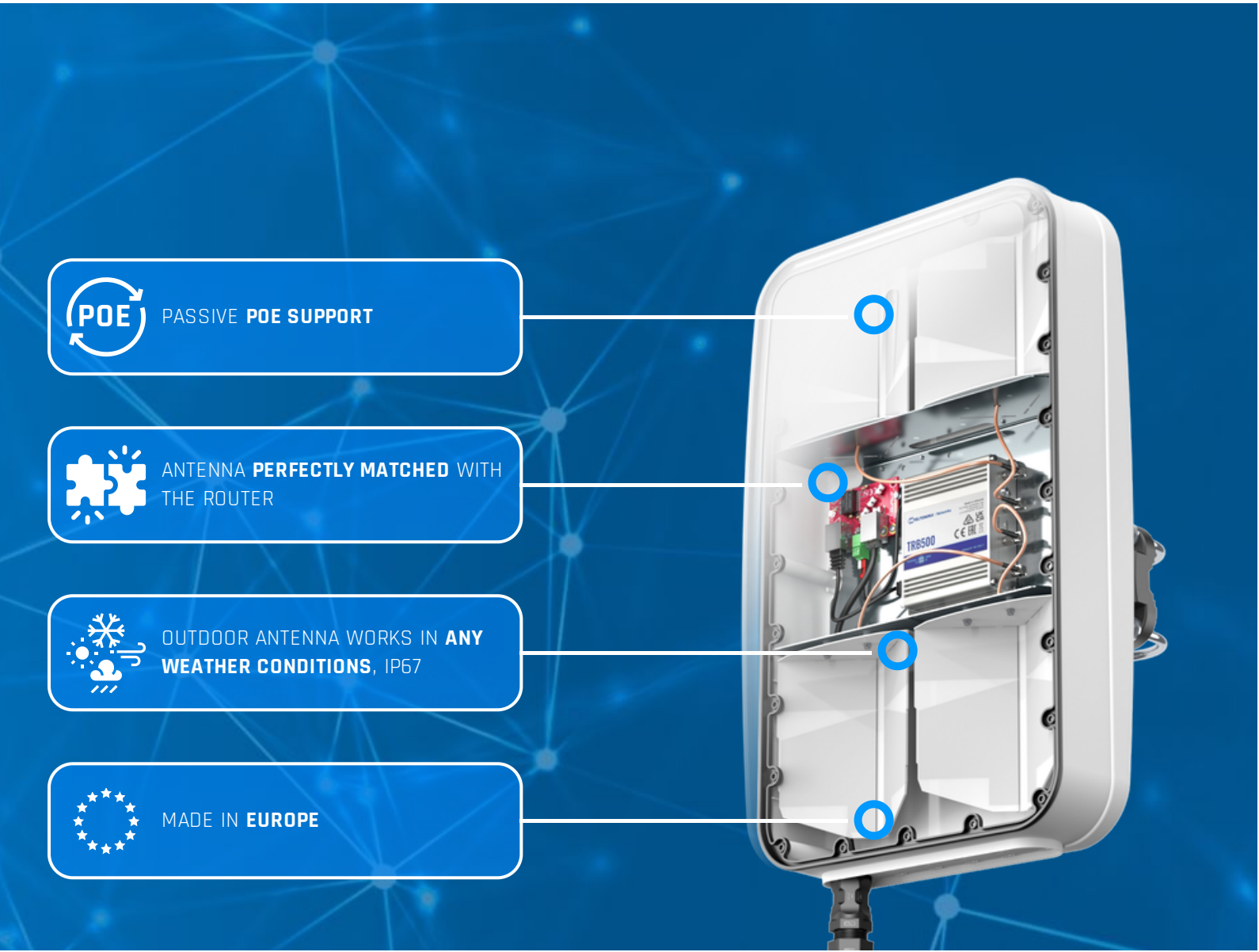
QuMax Omni for Teltonika TRB500

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA TRB500 (ALL-IN-ONE)

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the **Teltonika TRB500** gateway. The antenna covers a wide frequency range from 617MHz (Band71) to 6.0GHz. Additional router compartment inside the housing creates a variety of new outdoor (IP67) scenarios. It is recommended for moving applications, like trains, buses, yachts or campers, but also to improve signal quality in rural areas.
The set contains a Passive PoE splitter, allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection. **NOTE:** should only be used with a 24V (or lower voltage) Passive PoE power supply it is not compatible with an 802.3af/at power source!
NOTE! The antenna doesn't support B32 band and n77 (above 3800MHz) band!

5G | BAND 71 | 617-6000MHz | 4 dBi | OMNI DIRECTIONAL | IP 67 | -40° TO +80°



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 6.0 GHz
GAIN	0.617 - 0.96 GHz: 3 dBi 1.7 - 2.7 GHz: 3,5 dBi 3.3 - 6.0 GHz : 4dBi
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, 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, 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

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MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP67
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.5 kg 5.51 lbs
OPERATING TEMPERATURE	From -40°C to 70°C From -40°F to 167°F
MAST DIAMETER	25-66mm 0.98-2.60 inch
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm

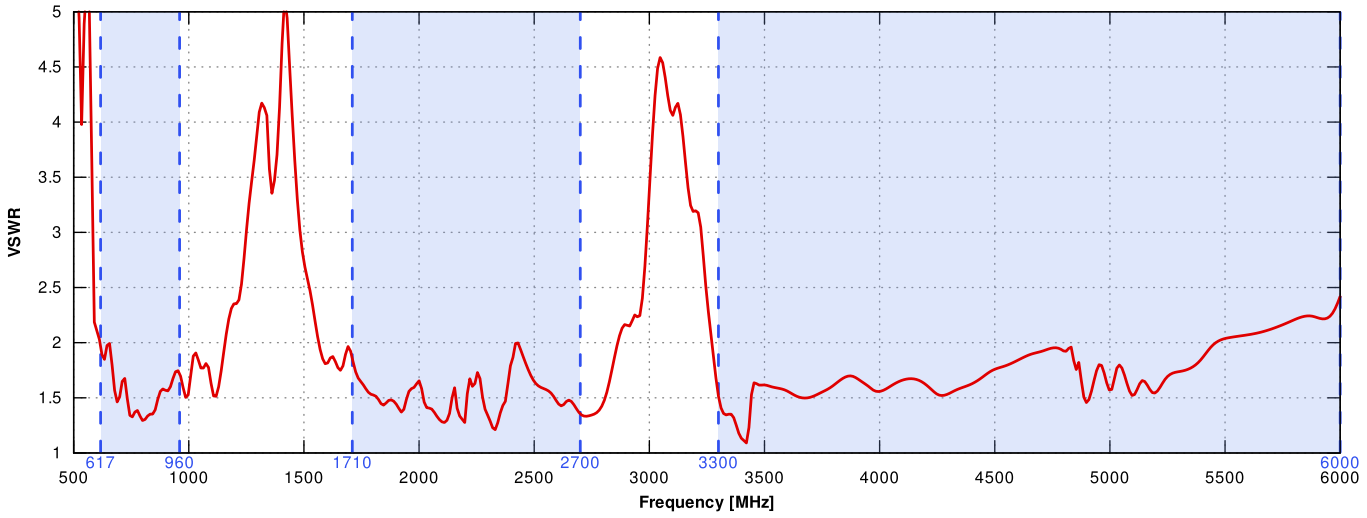
POE SPECIFICATION

POE TYPE	Passive PoE up to 24V, not compatible with an 802.3af/at power source!
POE IN MODE	Mode type: B
IEEE STANDARD	IEEE 802.3ab 1000Base-T Gigabit Ethernet

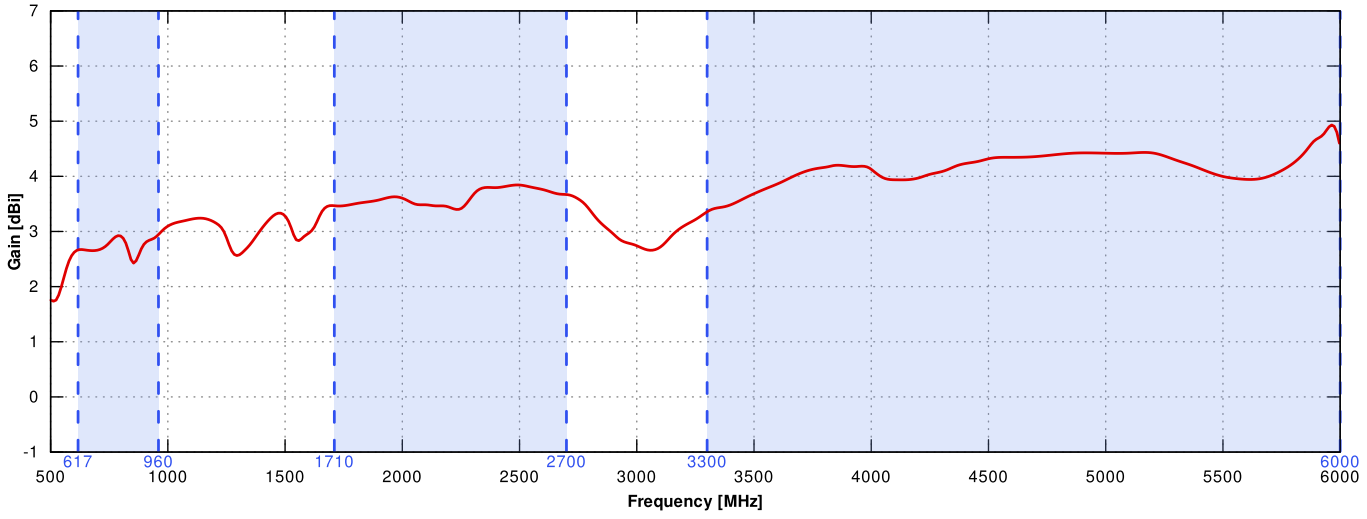
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PLOTS

VSWR for LTE antenna



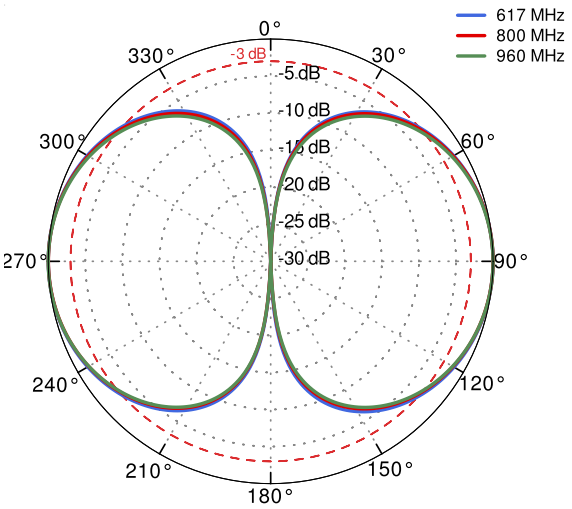
Gain for LTE antenna



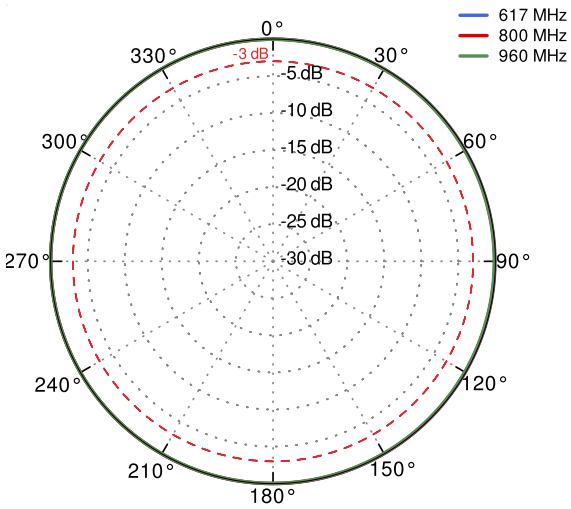
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5G/LTE from 617MHz to 960MHz

ELEVATION

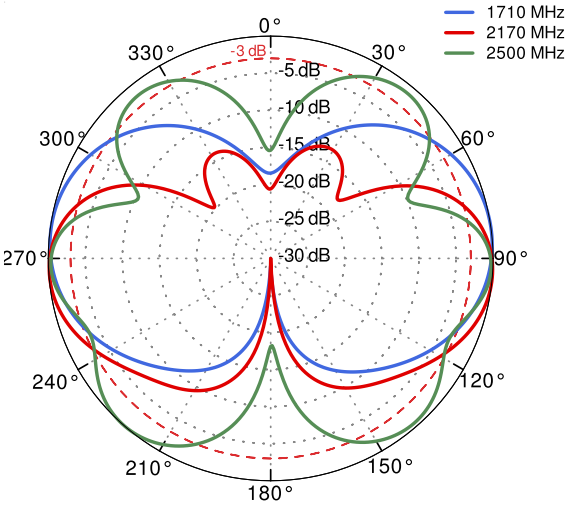


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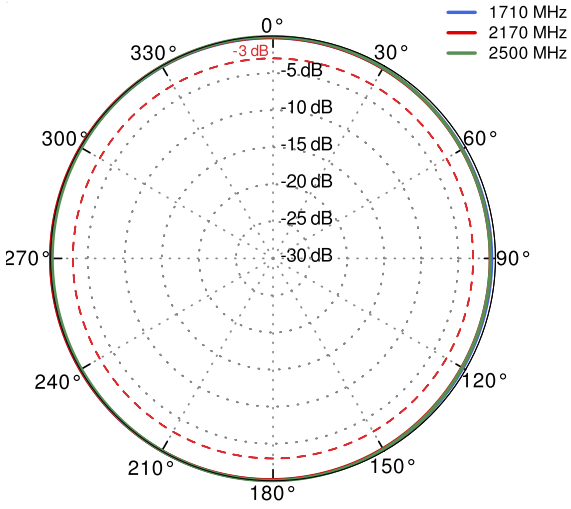


5G/LTE from 1.71GHz to 2.5GHz

ELEVATION



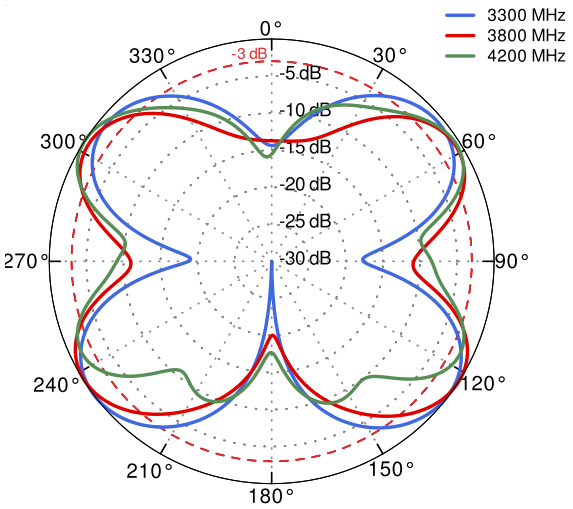
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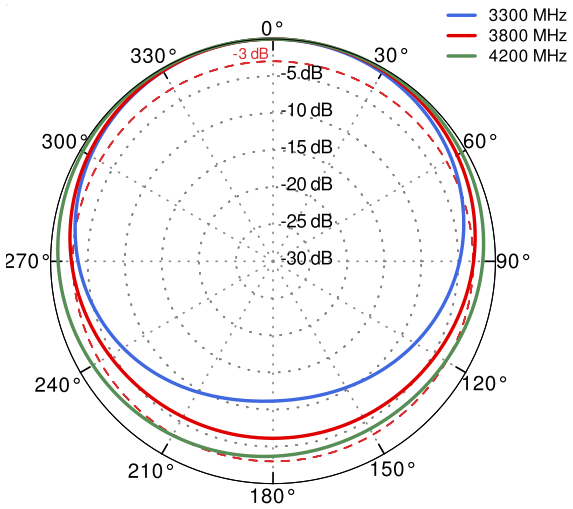
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5G/LTE from 3.3GHz to 4.2GHz

ELEVATION

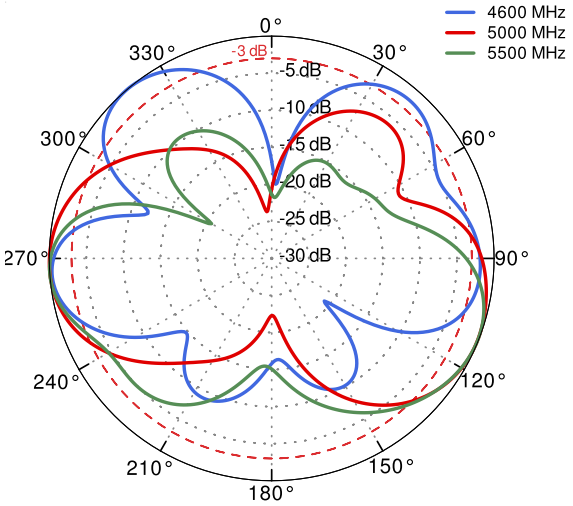


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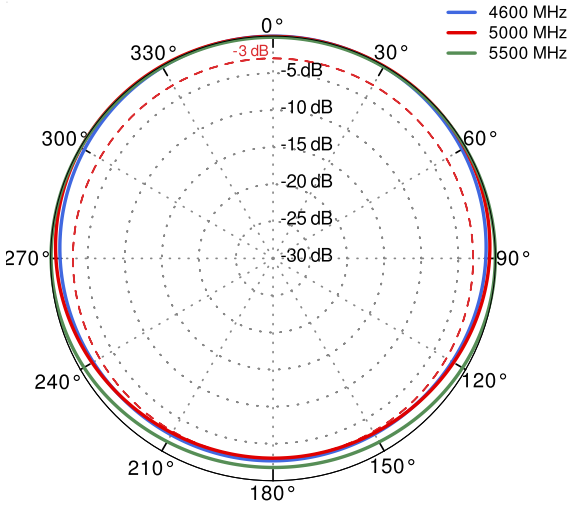


5G/LTE from 4.5GHz to 5.5GHz

ELEVATION

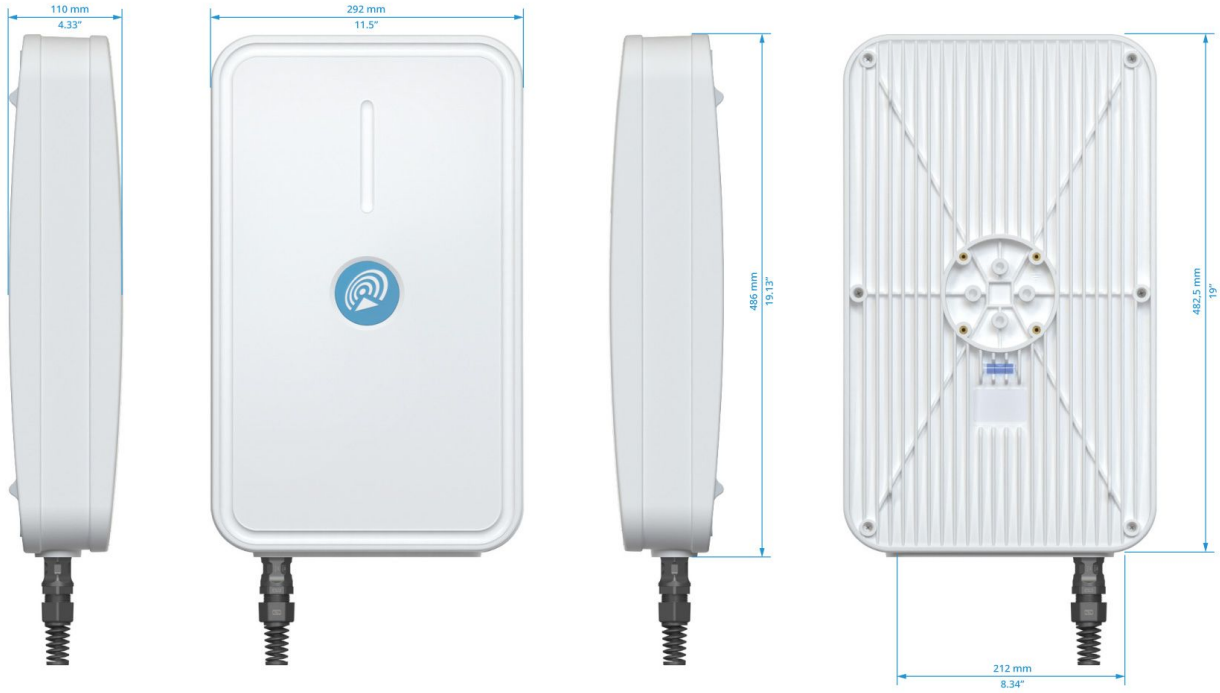


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DIMENSIONS



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