

QuMax Omni for Robustel R3000

LoRa

INTEGRATED LORA ANTENNA + MULTI-BAND LTE OMNI ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL R3000 LG (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel R3000 LG router is the perfect choice for extending the reach and reliability of your Long Range (LoRa) wireless communication networks. It has embedded omni LTE and omni LoRa antenna. If you use R3000 LG with QuMax antenna, you get an integrated complete solution with embedded gateway and multi band antennas in one enclosure.

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.

4G
LTE**2x2 MIMO**
694-2700MHz
4 dBi
OMNI DIRECTIONAL
HELIUM
915MHz
IP 67
-40° TO +80°

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



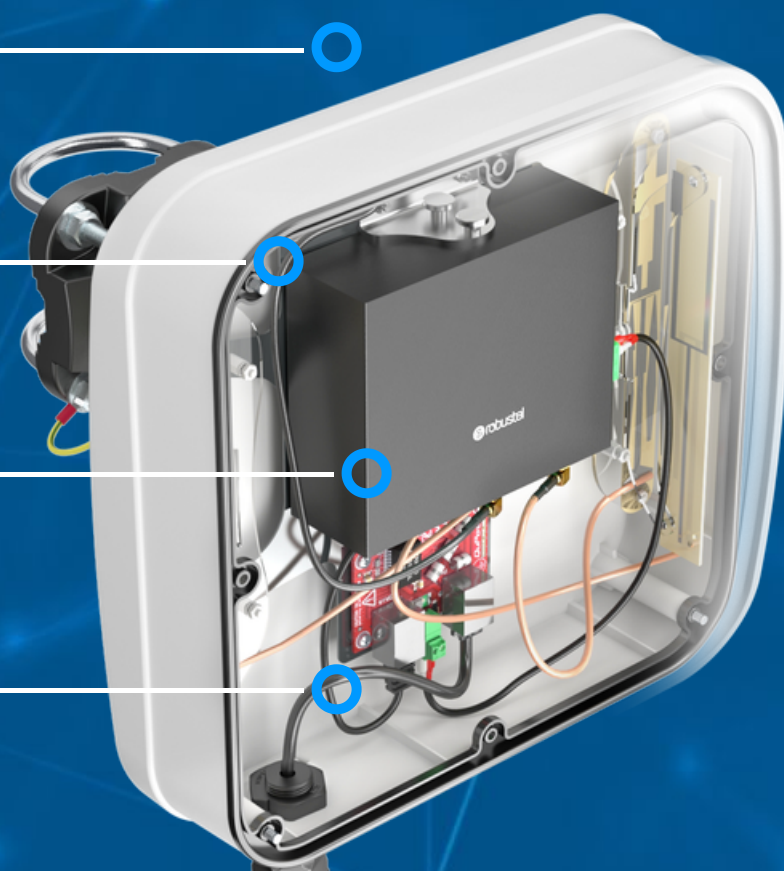
MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R3000 LG



ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE



LORA ANTENNA SPECIFICATION

FREQUENCY	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
GAIN	3 dBi
VSWR	<1.20, max <2.00
BEAMWIDTH	360°/70° ±10°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
FRONT TO BACK	>17 dB

LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
GAIN	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.2 - 2.7 GHz : 3 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n95, n98, n100, n101, n256
VSWR	<1.50, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP67
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

FREQUENCY BANDS

LTE / 4G GSM	<div><div>56812131417</div><div>617 MHz<div><div>18192026272829</div><div>44676885n81n82n83</div><div>n89</div></div>960 MHz</div></div>
LTE / 4G UMTS	<div><div>123491025</div><div>1710 MHz<div><div>33343536373959</div><div>62n80n84n86n95</div></div>2170 MHz</div></div>

LTE / 4G WCS DARS

2300 MHz

30

40

2400 MHz

LTE / 4G

2400 MHz

7

38

41

53

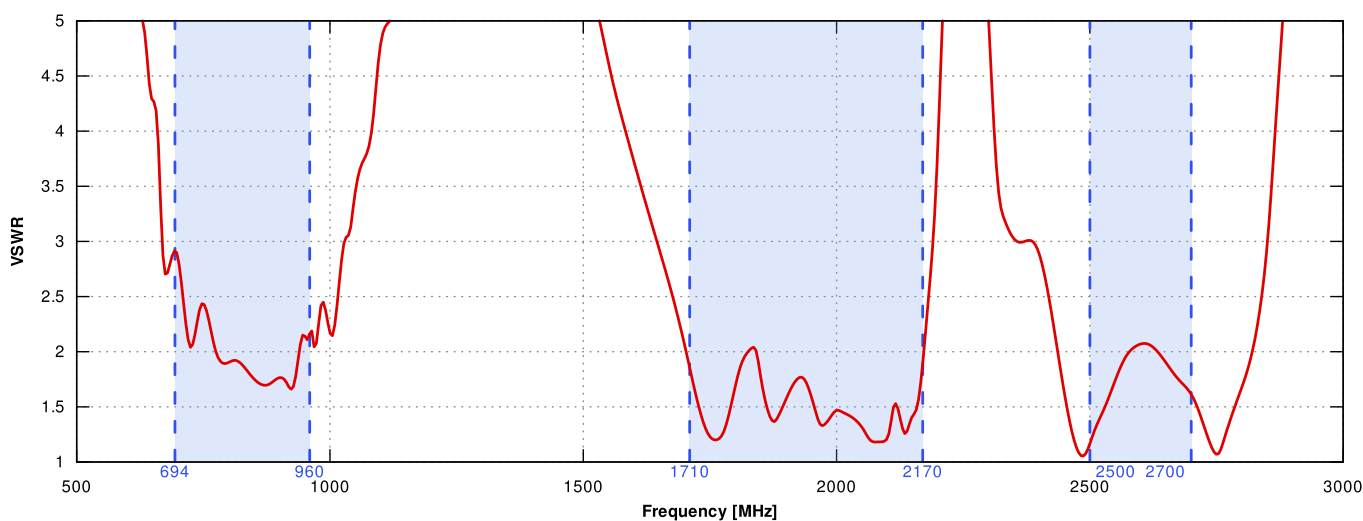
69

n90

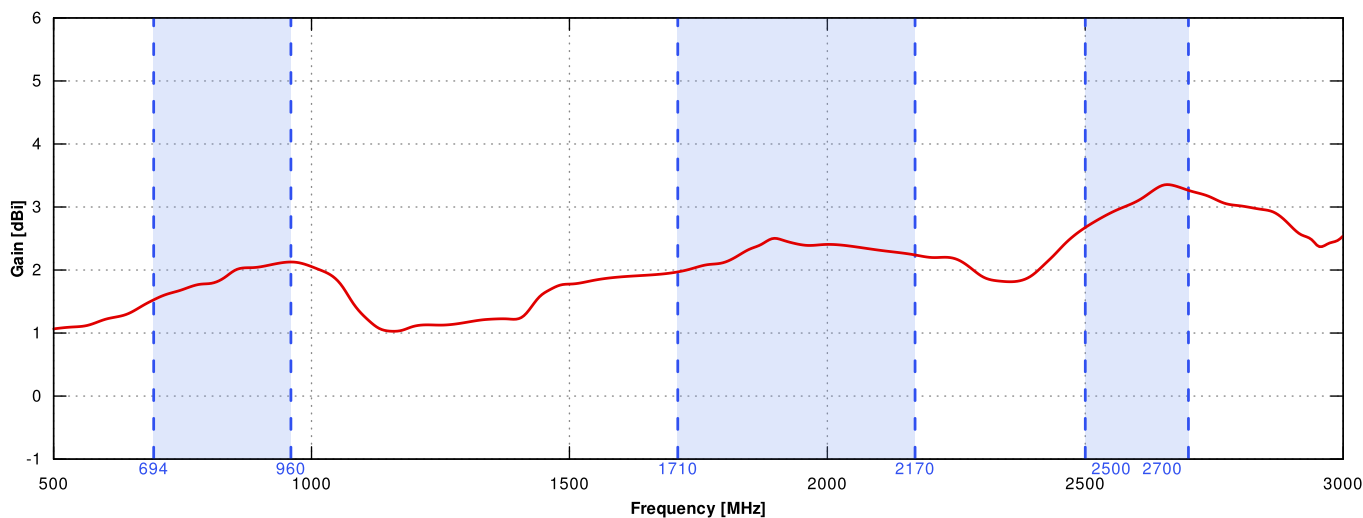
2700 MHz

PLOTS

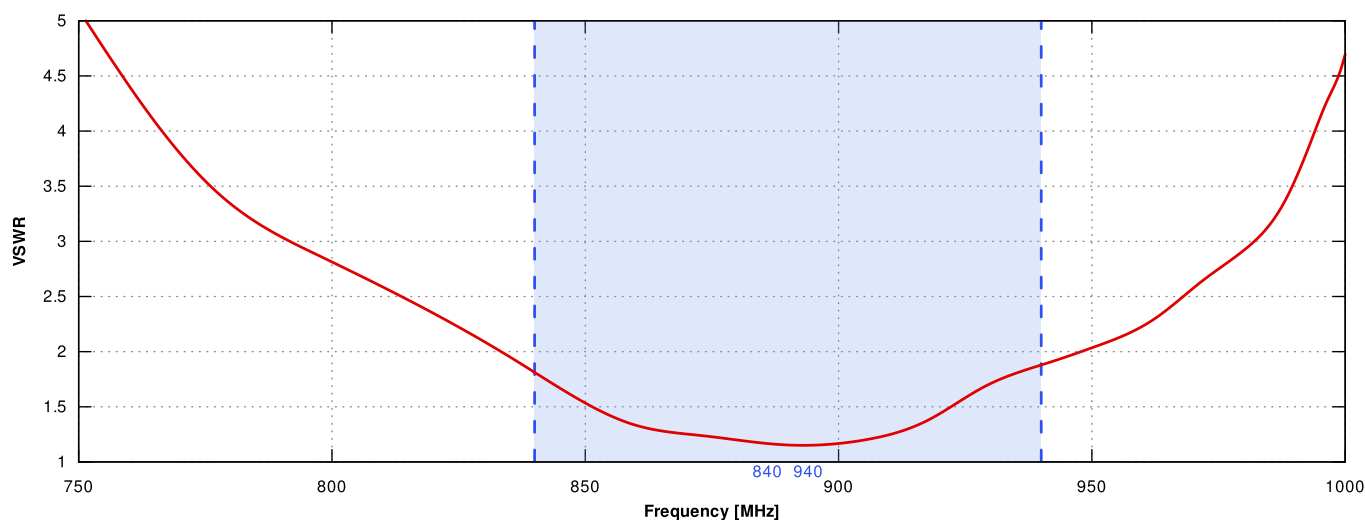
LTE VSWR



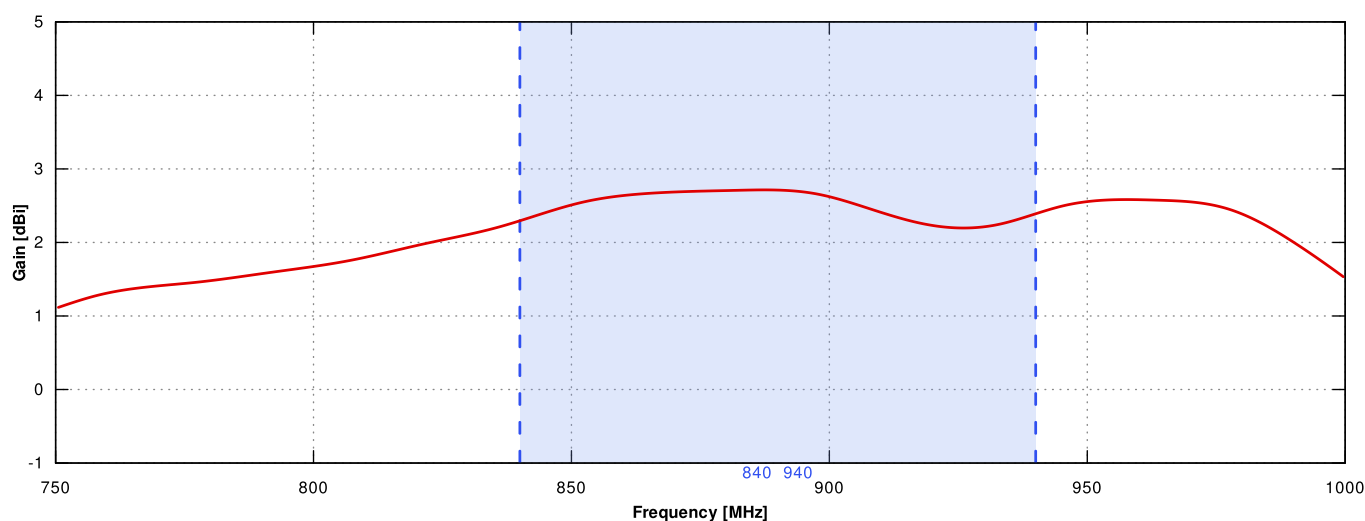
LTE Gain



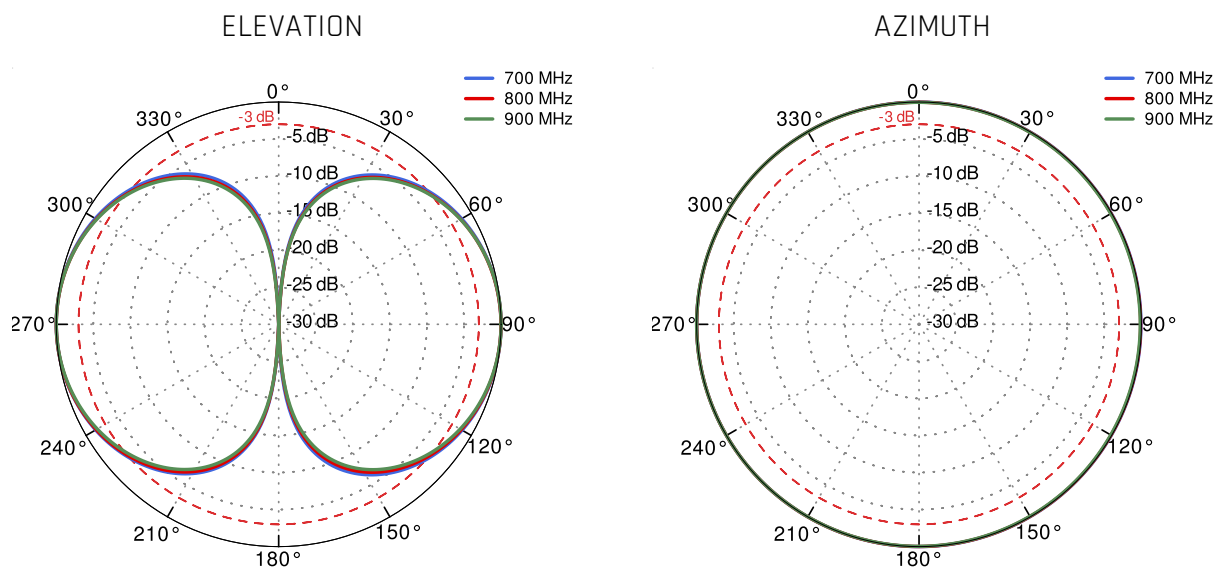
LoRa VSWR



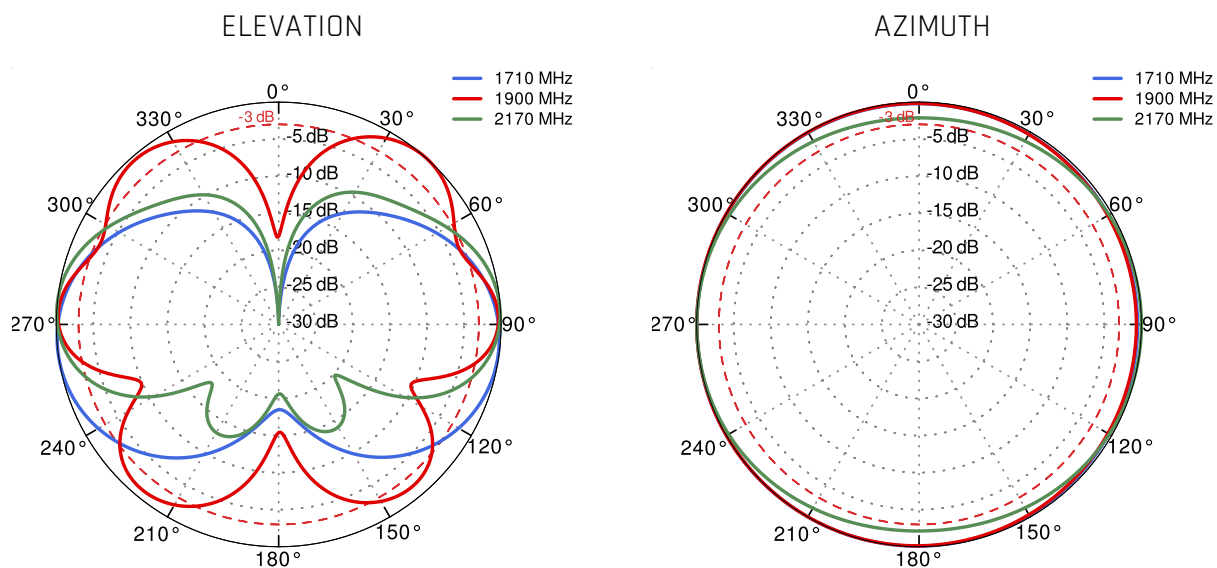
LoRa Gain



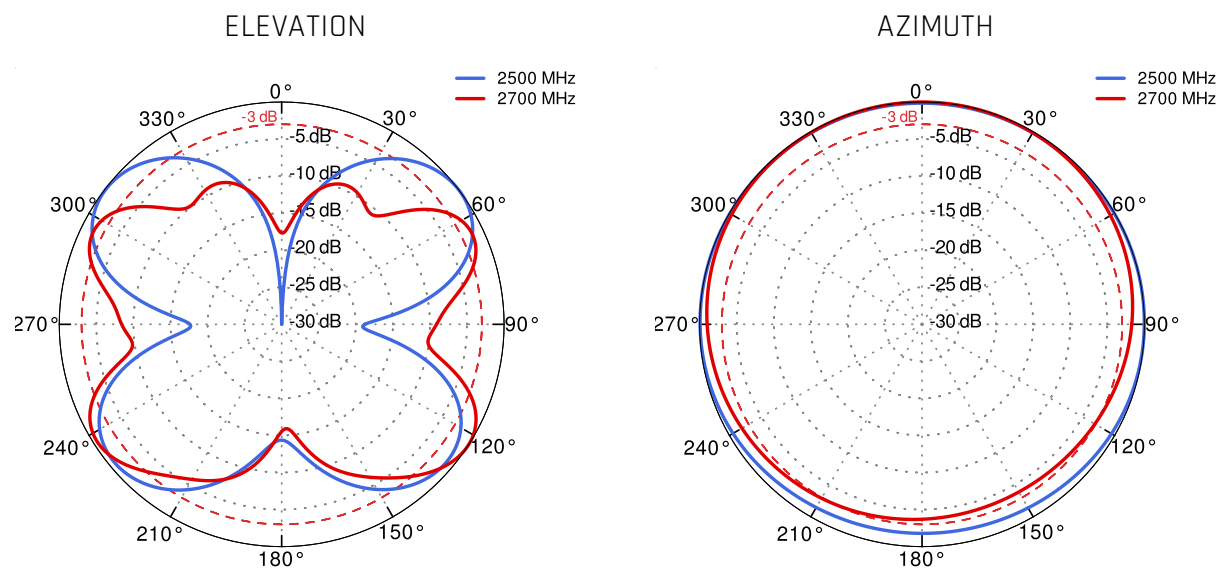
LTE From 700MHz to 900MHz



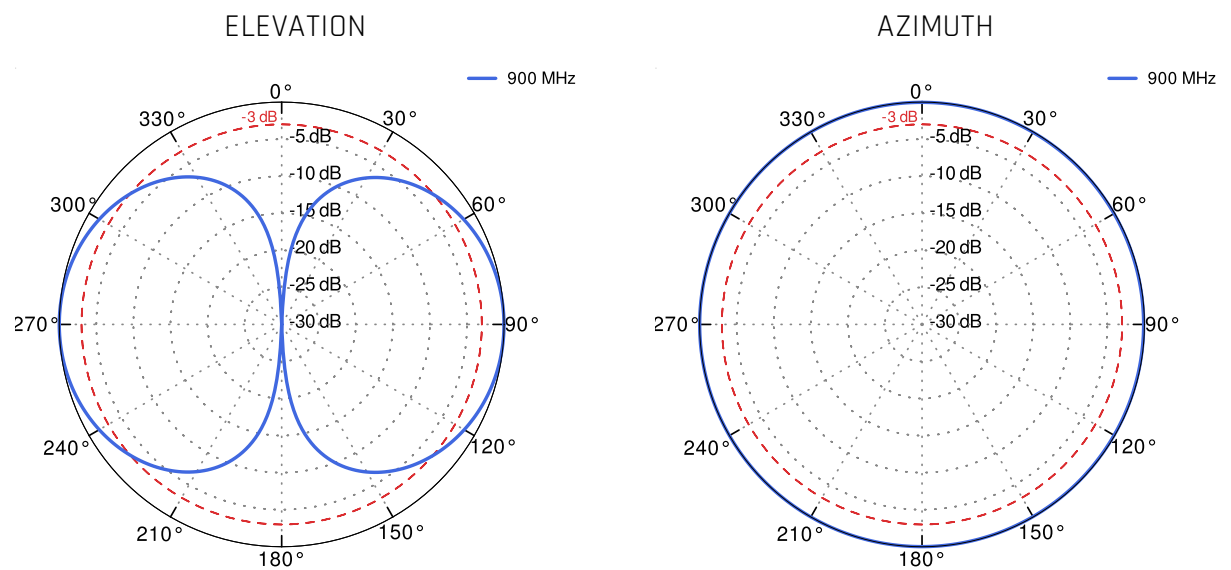
LTE From 1.71GHz to 2.17GHz



LTE From 2.3GHz to 2.7GHz



LoRa 868 MHz



DIMENSIONS

