


# QuMax for Robustel LG5100 LoRa

**INTEGRATED LORA ANTENNA + MULTI-BAND LTE OMNI ANTENNA + PLACE TO INSTALL ROBUSTEL LG5100 (ALL-IN-ONE)**

QuMax all-in-one antenna for Robustel LG5100 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 LoRa antenna. If you use LG5100 with QuMax antenna, you get an integrated complete solution with embedded gateway and multi band antennas in one enclosure.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



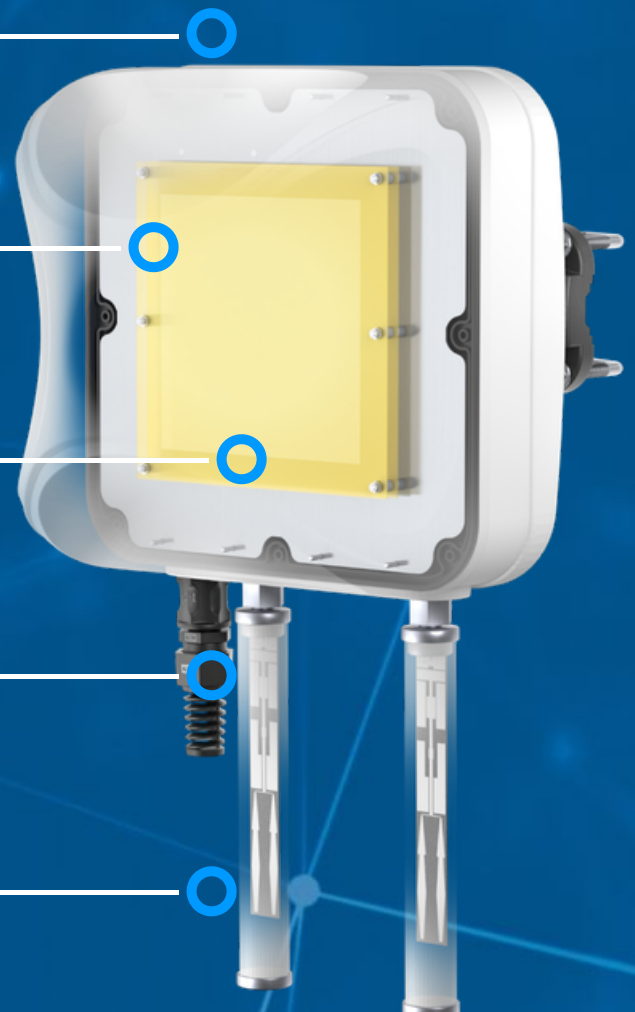
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL LG5100



ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



## LORA ANTENNA SPECIFICATION

<b>FREQUENCY</b>	868 MHz (EU868, IN865, RU864)
<b>GAIN</b>	8.5 dBi
<b>VSWR</b>	<1.80, max <2.00
<b>BEAMWIDTH</b>	75°/75° ±10°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω
<b>FRONT TO BACK</b>	>17 dB

## LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
<b>GAIN</b>	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.2 - 2.7 GHz : 3 dBi
<b>SUPPORTED LTE/5G BANDS</b>	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
<b>VSWR</b>	<1.50, max <2.50
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

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

## FREQUENCY BANDS

<b>LTE / 4G GSM</b>	5	6	8	12	13	14	17	617 MHz	960 MHz
	18	19	20	26	27	28	29		
	44	67	68	85	n81	n82	n83		
	n89								
<b>LTE / 4G UMTS</b>	1	2	3	4	9	10	25	1710 MHz	2170 MHz
	33	34	35	36	37	39	59		
	62	n80	n84	n86	n95				

**LTE / 4G WCS DARS**

 2300  
MHz

30

40

 2400  
MHz

**LTE / 4G**

 2400  
MHz

7

38

41

53

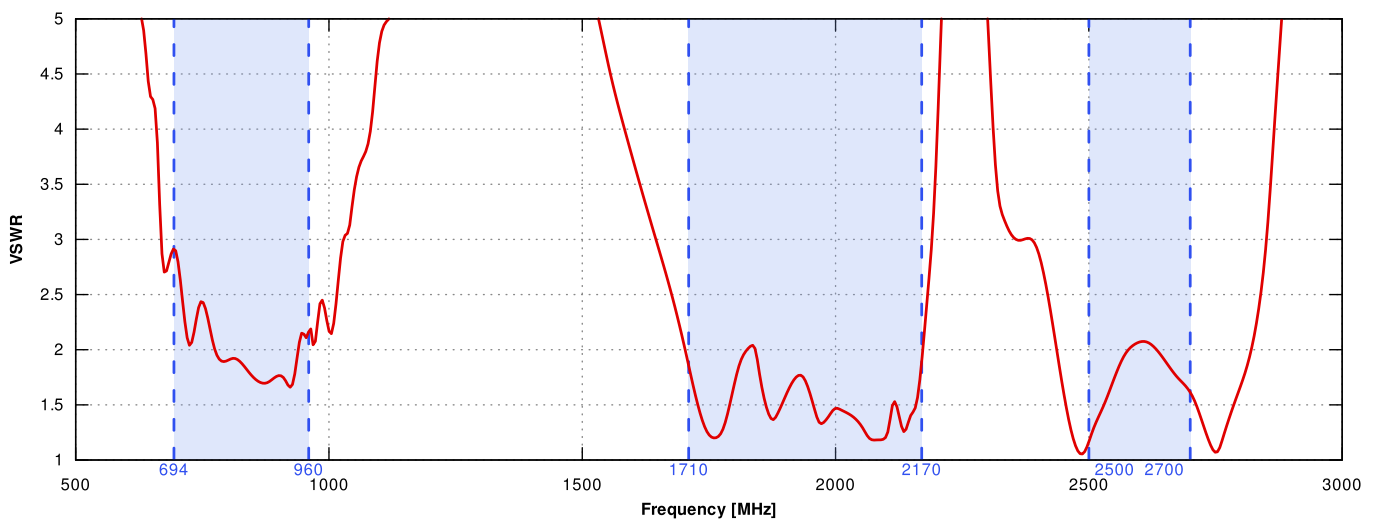
69

n90

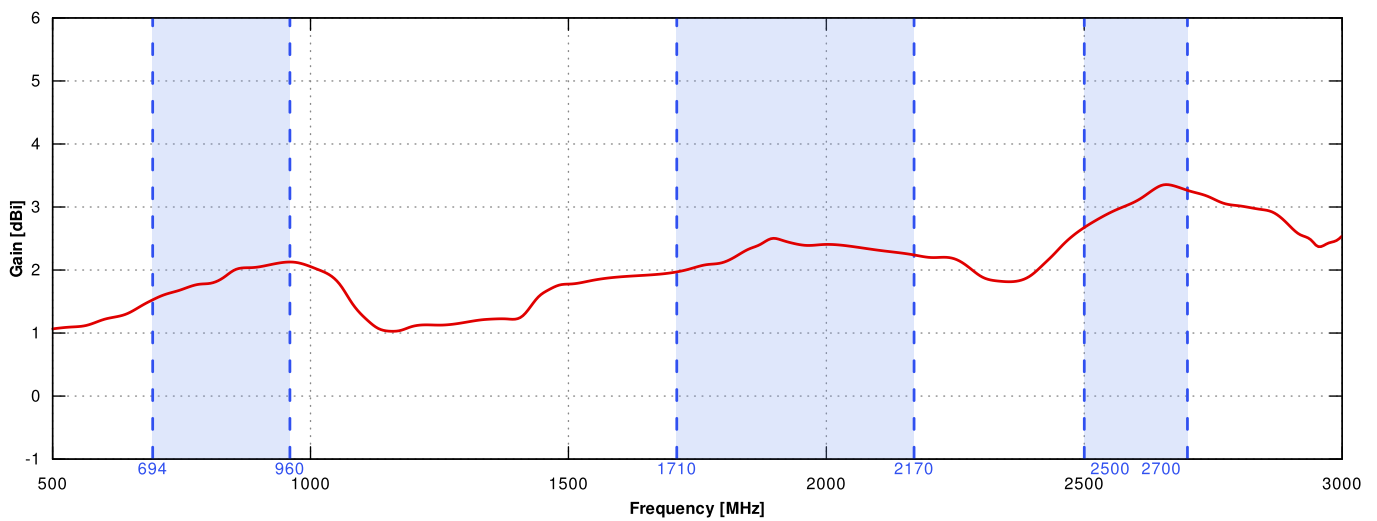
 2700  
MHz

# PLOTS

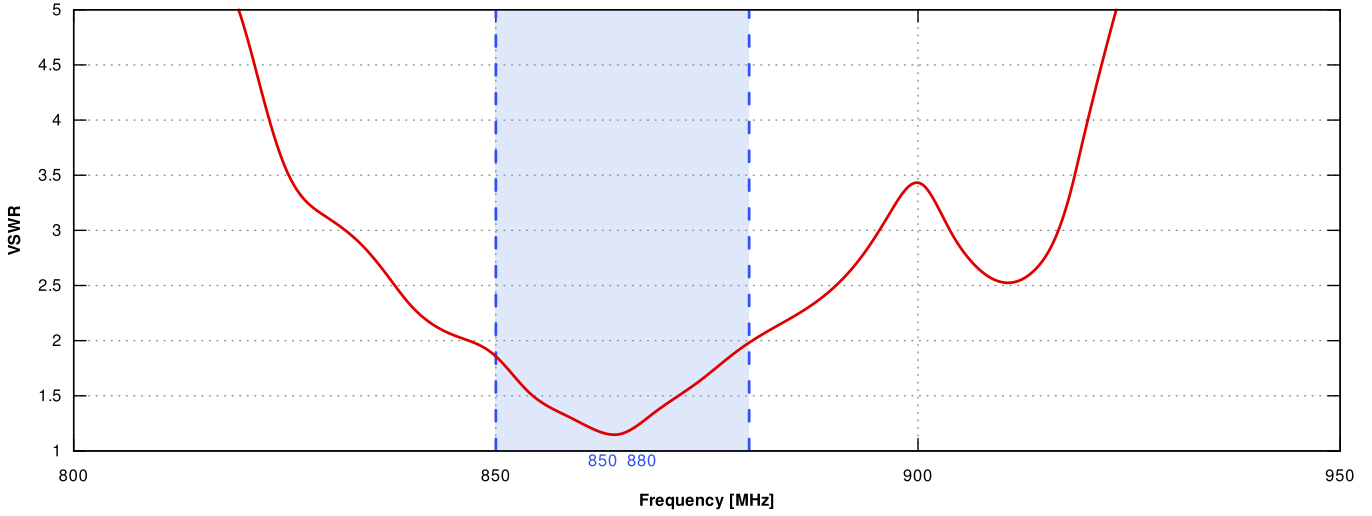
## LTE VSWR



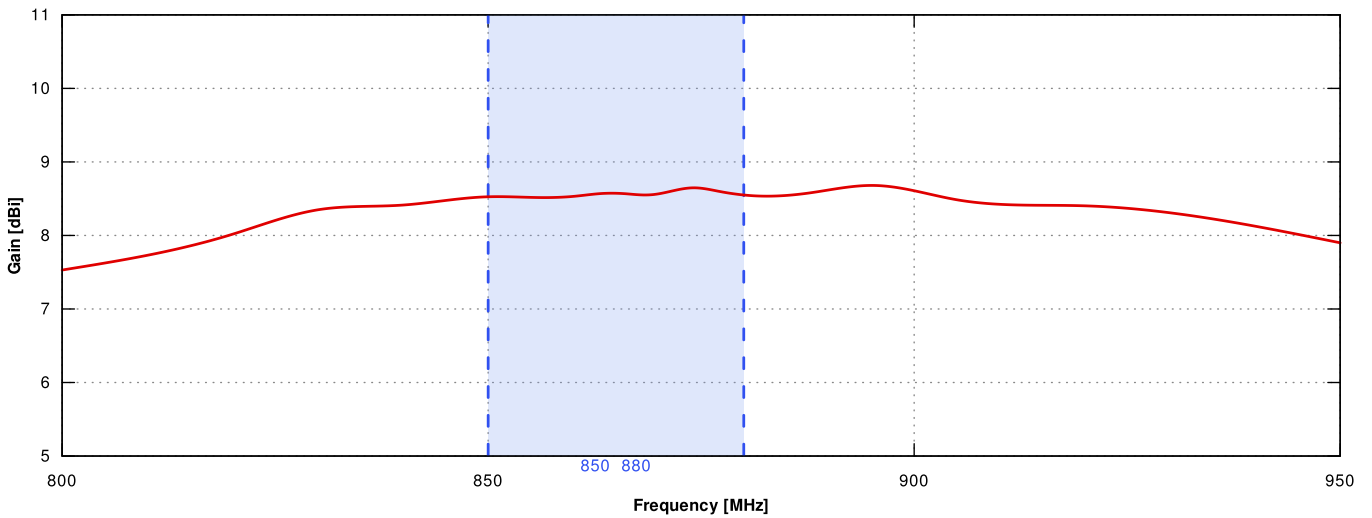
## LTE Gain



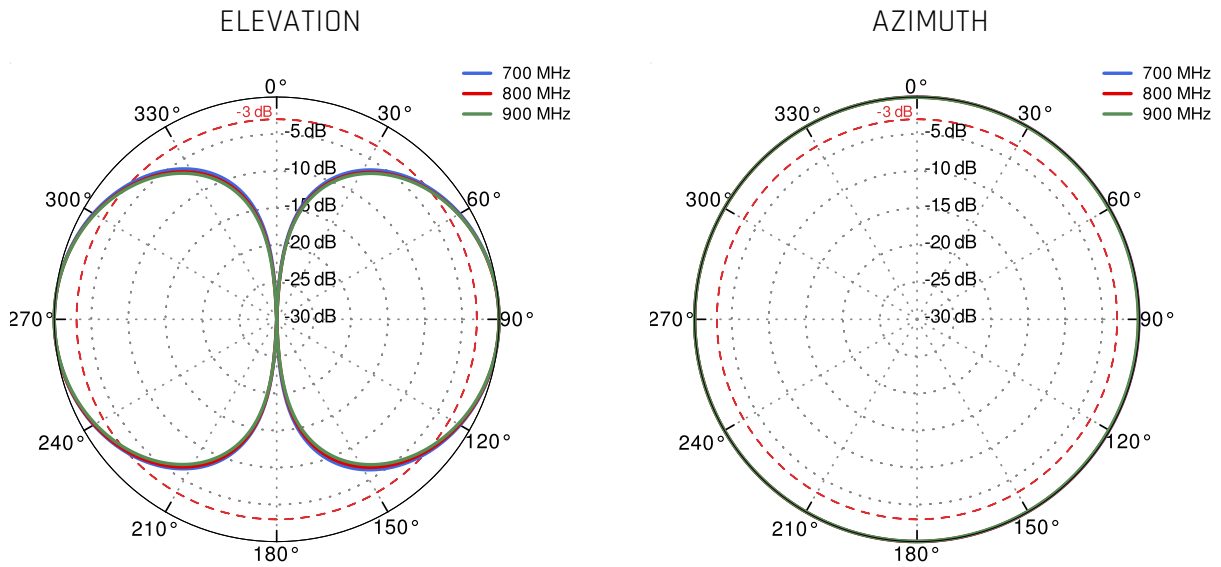
### LoRa VSWR



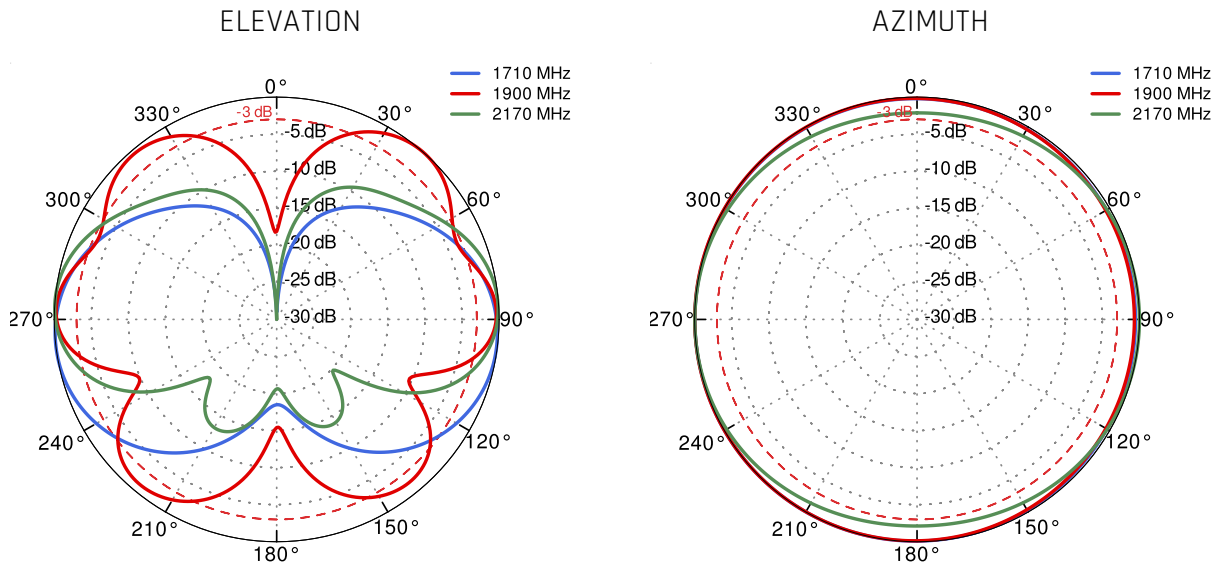
### LoRa Gain



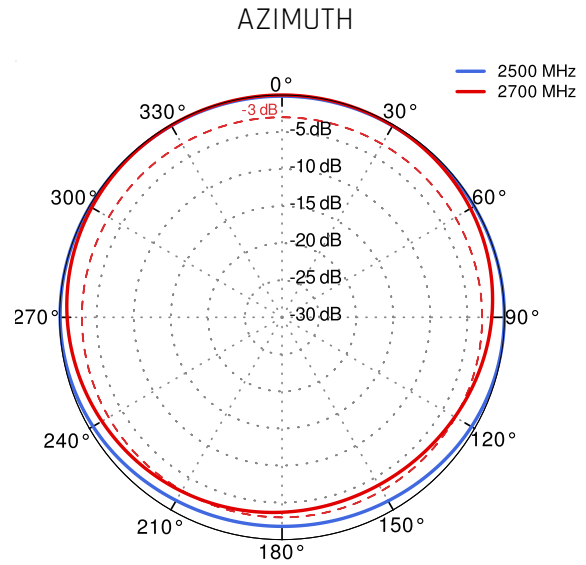
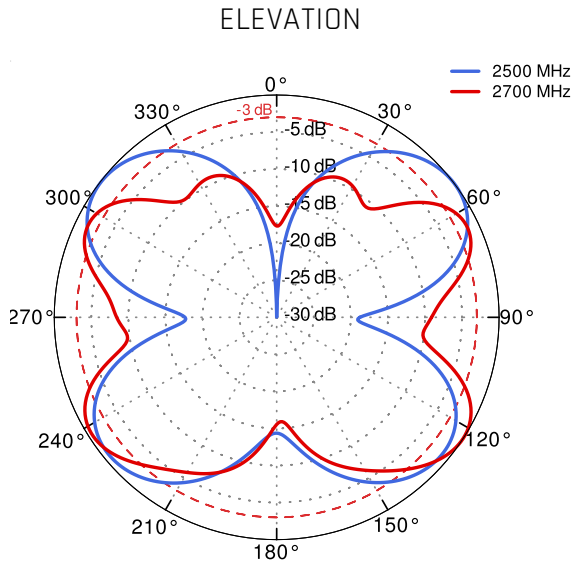
LTE From 700MHz to 900MHz



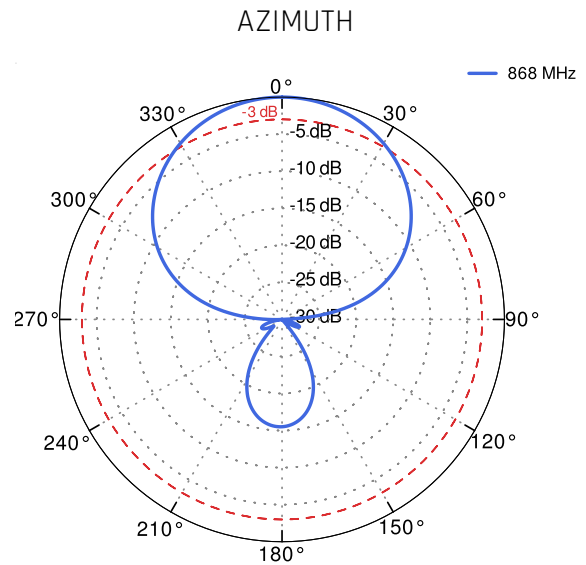
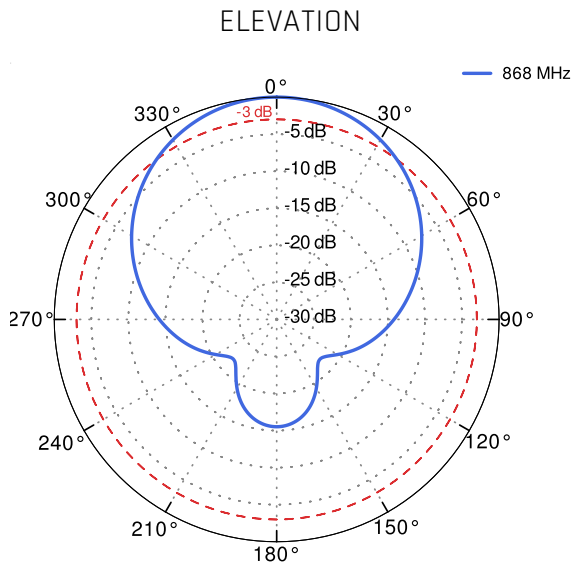
LTE From 1.71GHz to 2.17GHz



LTE From 2.3GHz to 2.7GHz



LoRa 868 MHz



## DIMENSIONS

