

# QuMax for Robustel LG5100 LoRa

## INTEGRATED DIRECTIONAL 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 directional 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**, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



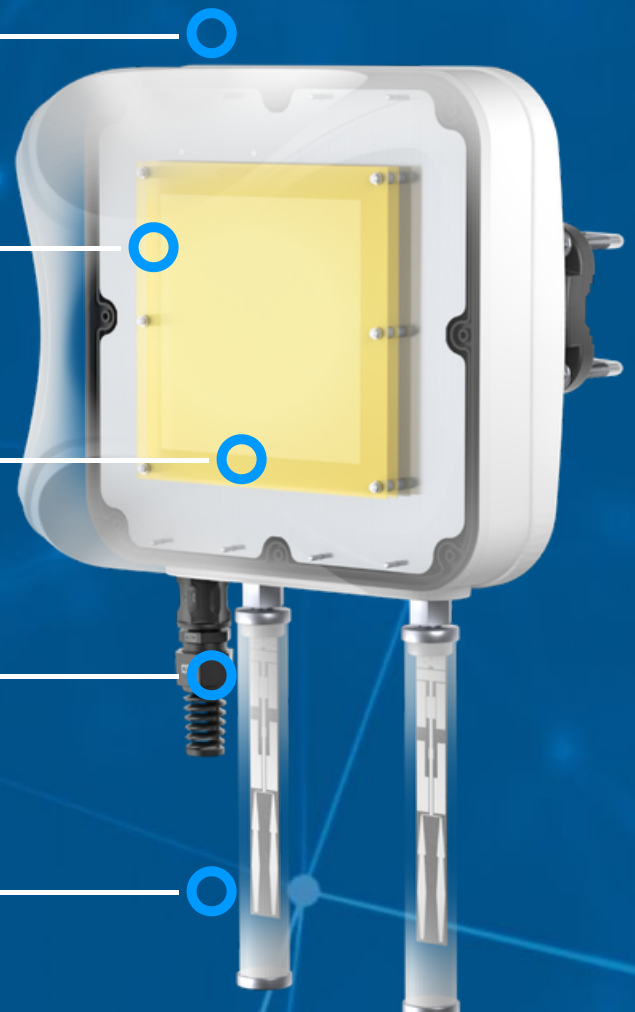
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL LG5100



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>	IP68
<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>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 inch

# FREQUENCY BANDS

**LTE / 4G GSM**

	5	6	8	12	13	14	17	
617 MHz	18	19	20	26	27	28	29	960 MHz
	44	67	68	85	n81	n82	n83	
	n89							

**LTE / 4G UMTS**

	1	2	3	4	9	10	25	
1710 MHz	33	34	35	36	37	39	59	2170 MHz
	62	n80	n84	n86	n95			

**LTE / 4G WCS DARS**

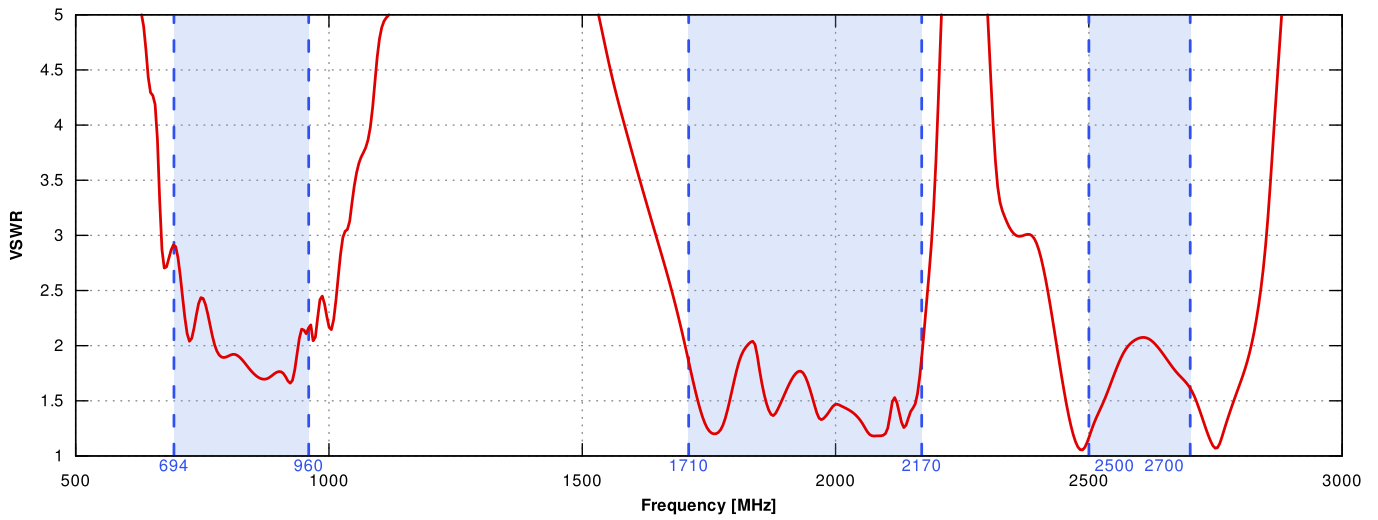
2300 MHz	30	40						2400 MHz
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**LTE / 4G**

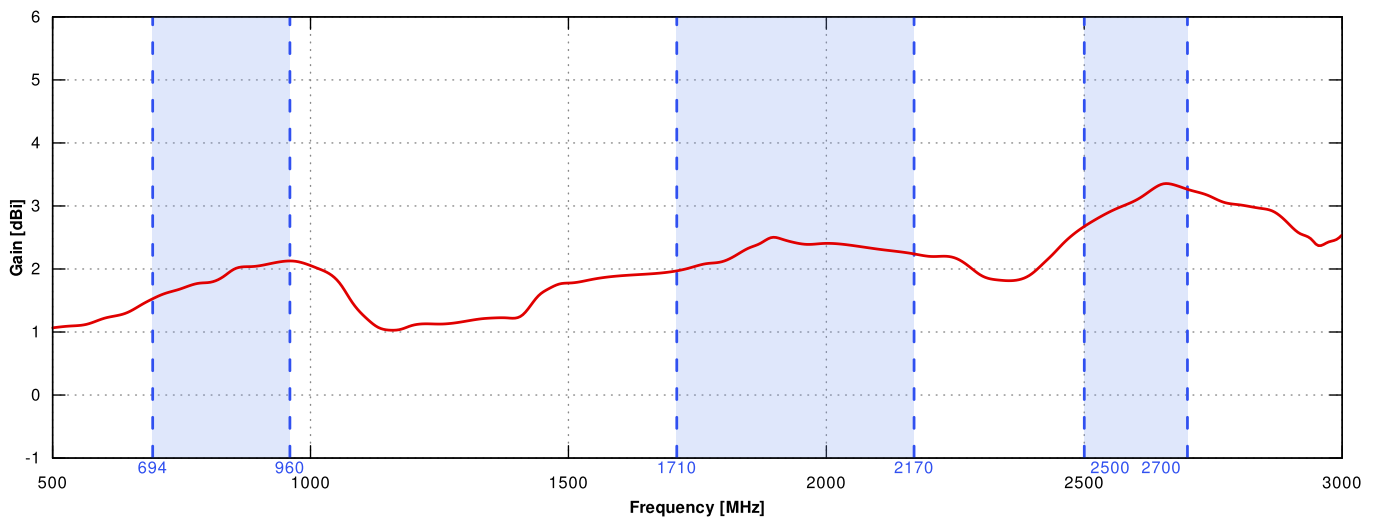
2400 MHz	7	38	41	53	69	n90		2700 MHz
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# PLOTS

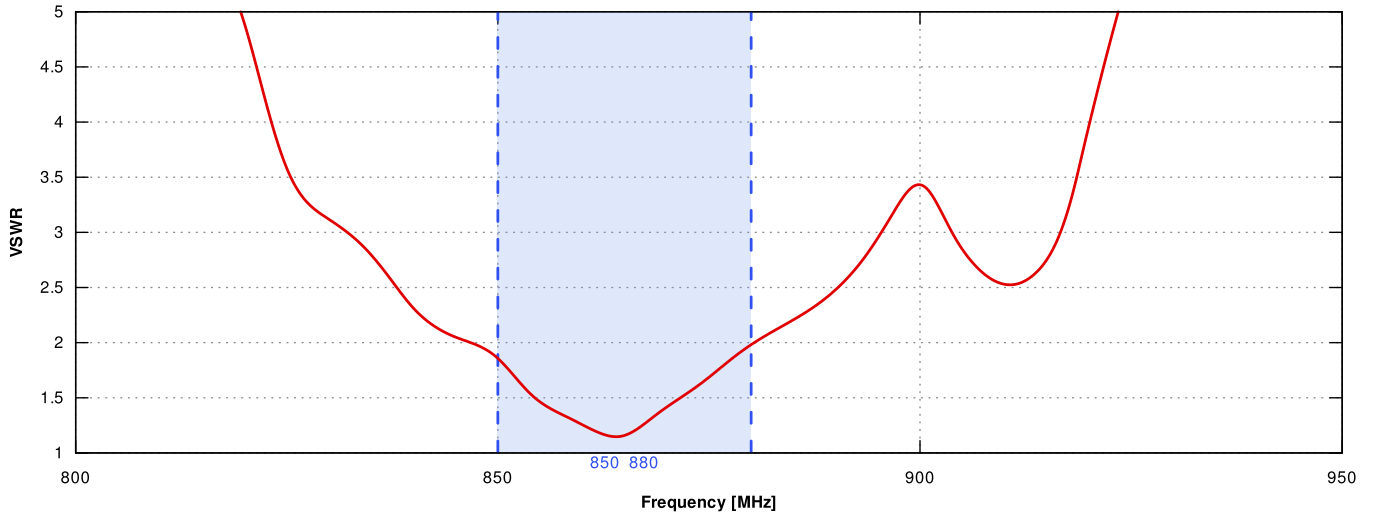
## LTE VSWR



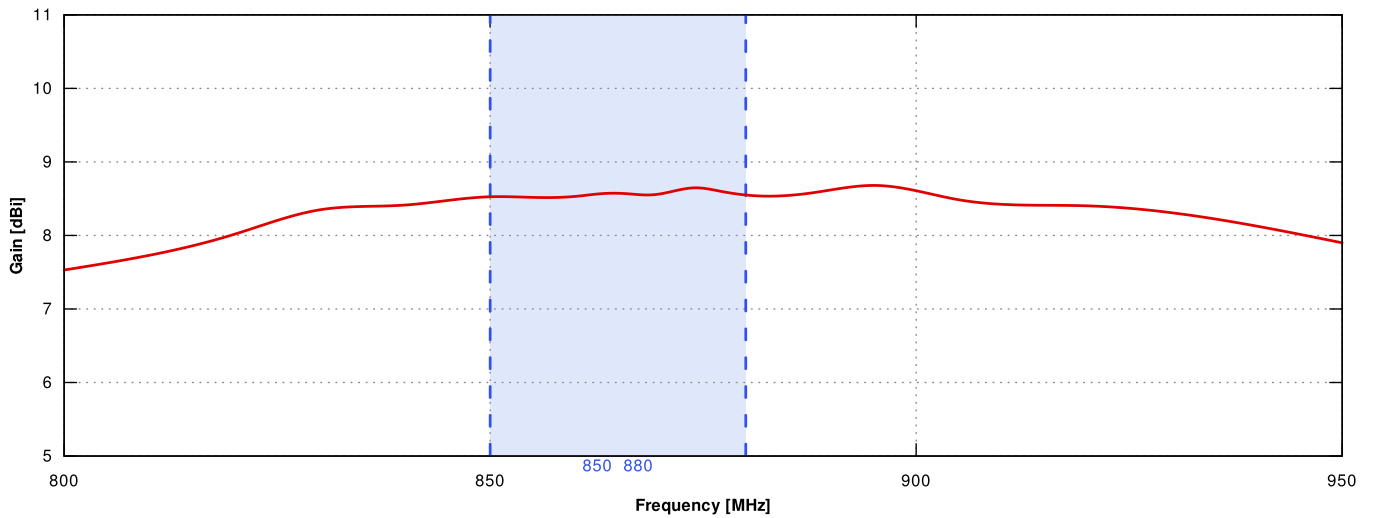
## LTE Gain



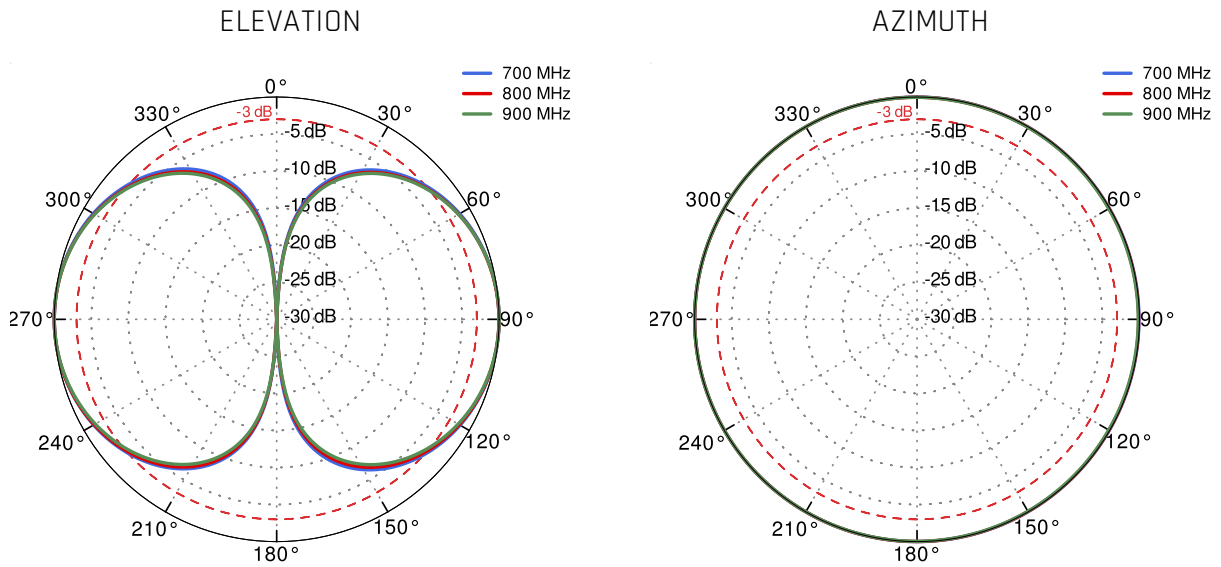
### LoRa VSWR



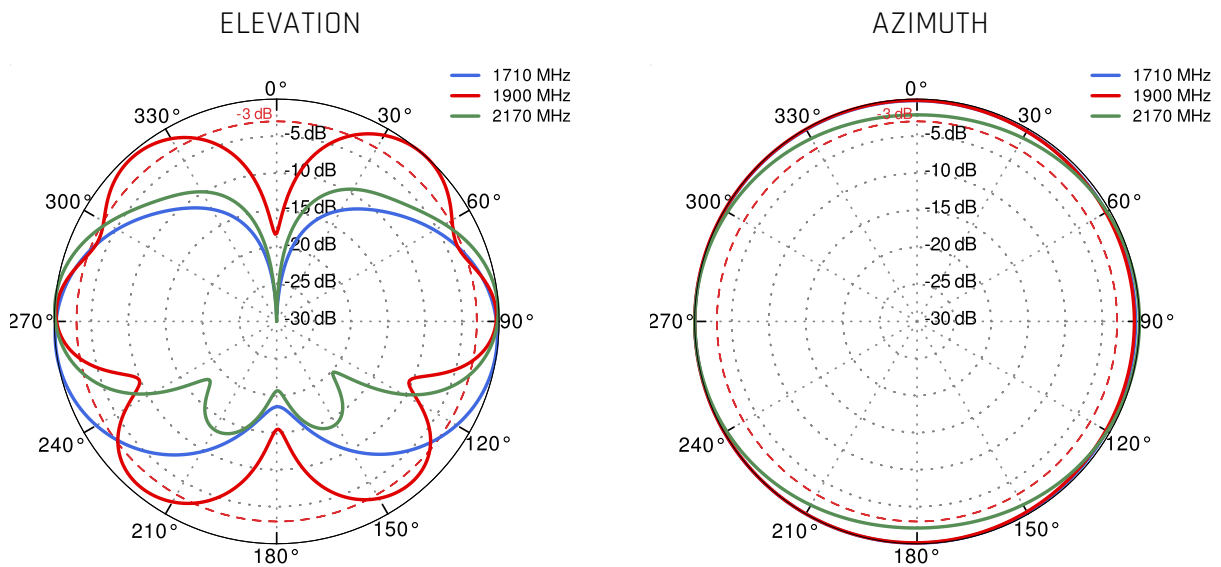
### LoRa Gain



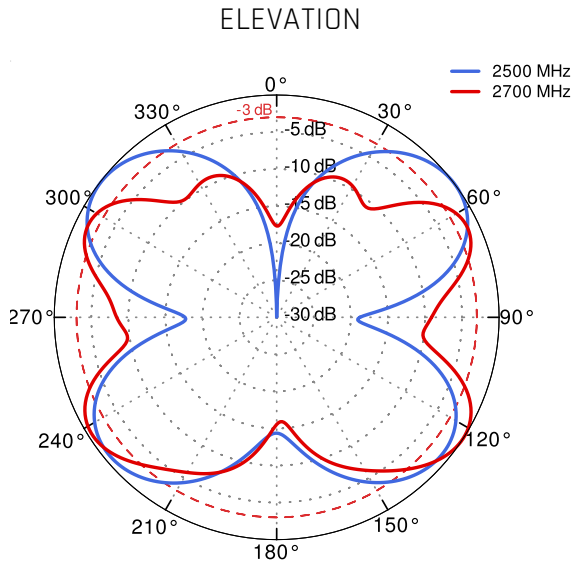
LTE From 700MHz to 900MHz



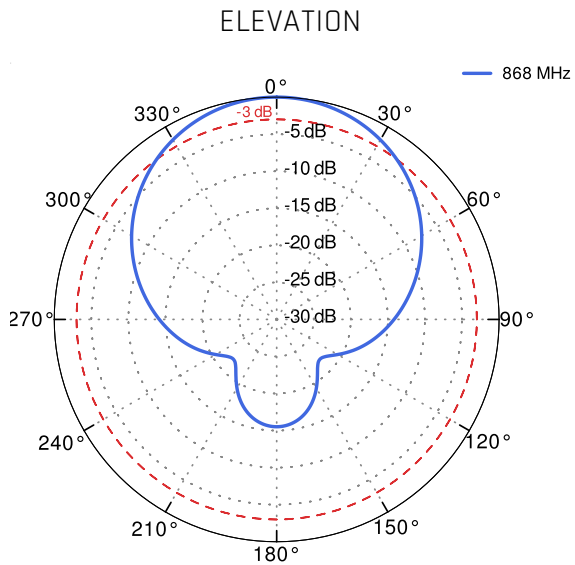
LTE From 1.71GHz to 2.17GHz



LTE From 2.3GHz to 2.7GHz



LoRa 868 MHz



## DIMENSIONS

