

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.

4G
LTE**2x2 MIMO**
694-2700MHz
4 dBi
**OMNI
DIRECTIONAL**
HELIUM
868MHz
IP 68
-40° TO +80°

OUTDOOR ANTENNA WORKS IN **ANY
WEATHER CONDITIONS**, IP68



MOUNTING SYSTEM WITH TWO
PLANES, 60 DEGREES REGULATION



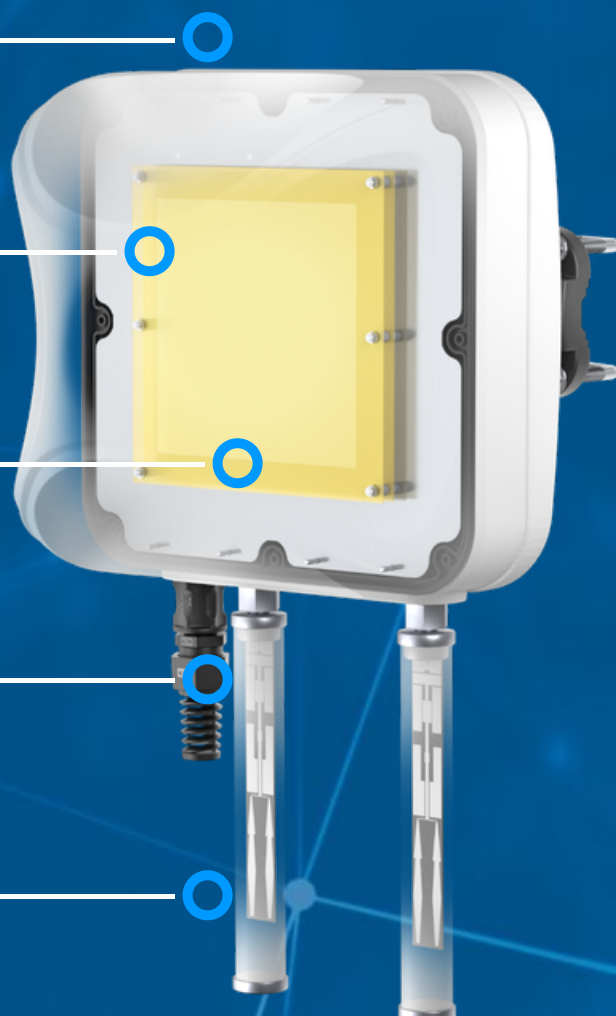
ANTENNA PERFECTLY MATCHED WITH
THE ROBUSTEL LG5100



ALL ANTENNAS AND ROBUSTEL
ROUTER INTEGRATED IN ONE
ENCLOSURE



MADE IN **EUROPE**



LORA ANTENNA SPECIFICATION

| | |
|---------------|-------------------------------|
| FREQUENCY | 868 MHz (EU868, IN865, RU864) |
| GAIN | 8.5 dBi |
| VSWR | <1.80, max <2.00 |
| BEAMWIDTH | 75°/75° ±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 | IP68 |
| 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 |
| ENCLOSURE RECOMMENDED TIGHTENING TORQUE | 0,6 - 0,8 Nm |
| MAST DIAMETER | 25-66mm 0.98-2.60 inch |

FREQUENCY BANDS

LTE / 4G GSM

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

LTE / 4G UMTS

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

LTE / 4G WCS DARS

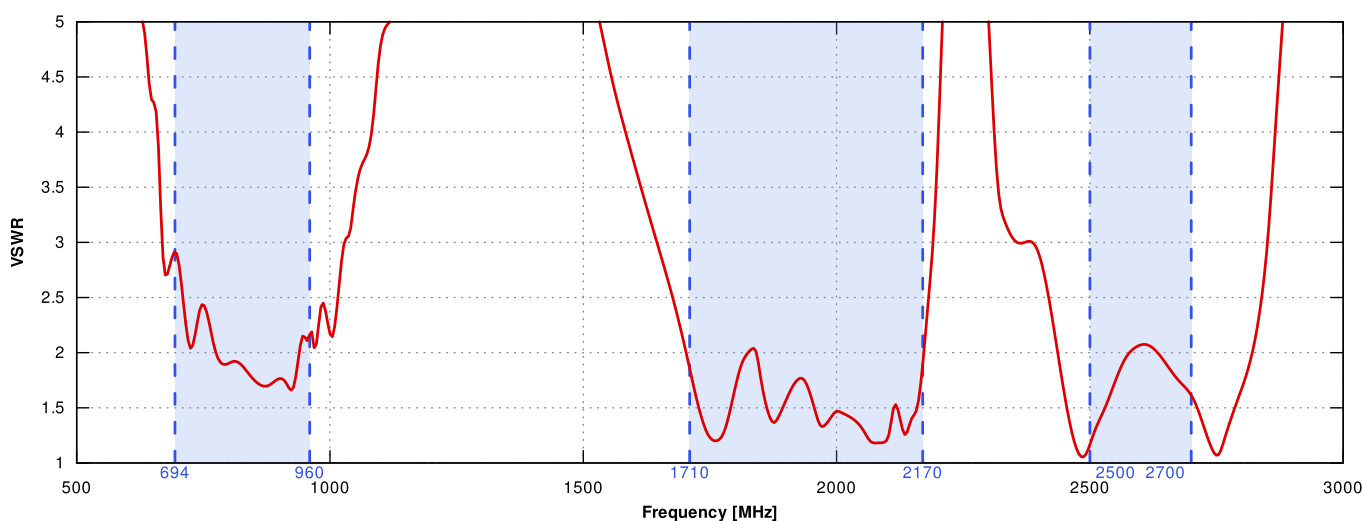
| | | | | | | | |
|-------------|----|----|--|--|--|--|-------------|
| 2300 MHz | 30 | 40 | | | | | 2400 MHz |
|-------------|----|----|--|--|--|--|-------------|

LTE / 4G

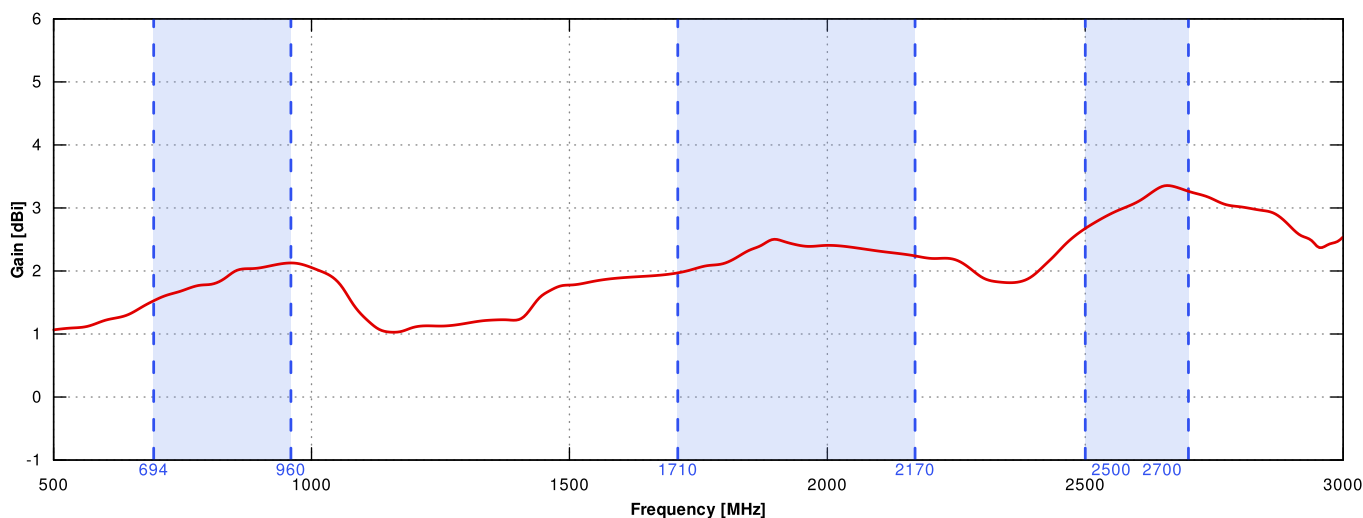
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|-------------|---|----|----|----|----|-----|-------------|
| 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | 2700 MHz |
|-------------|---|----|----|----|----|-----|-------------|

PLOTS

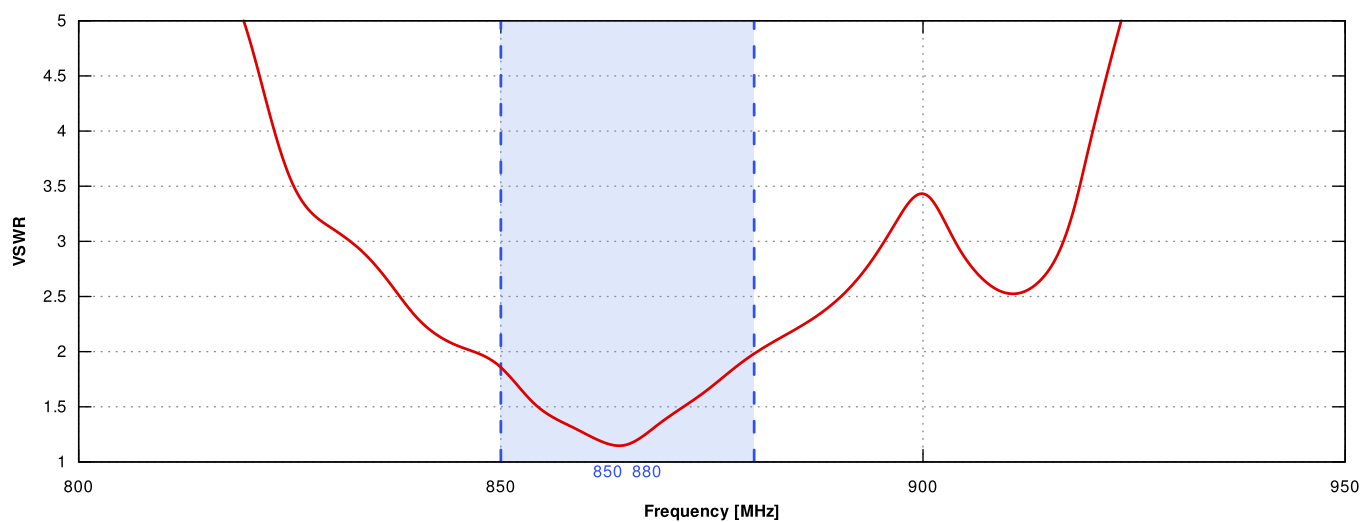
LTE VSWR



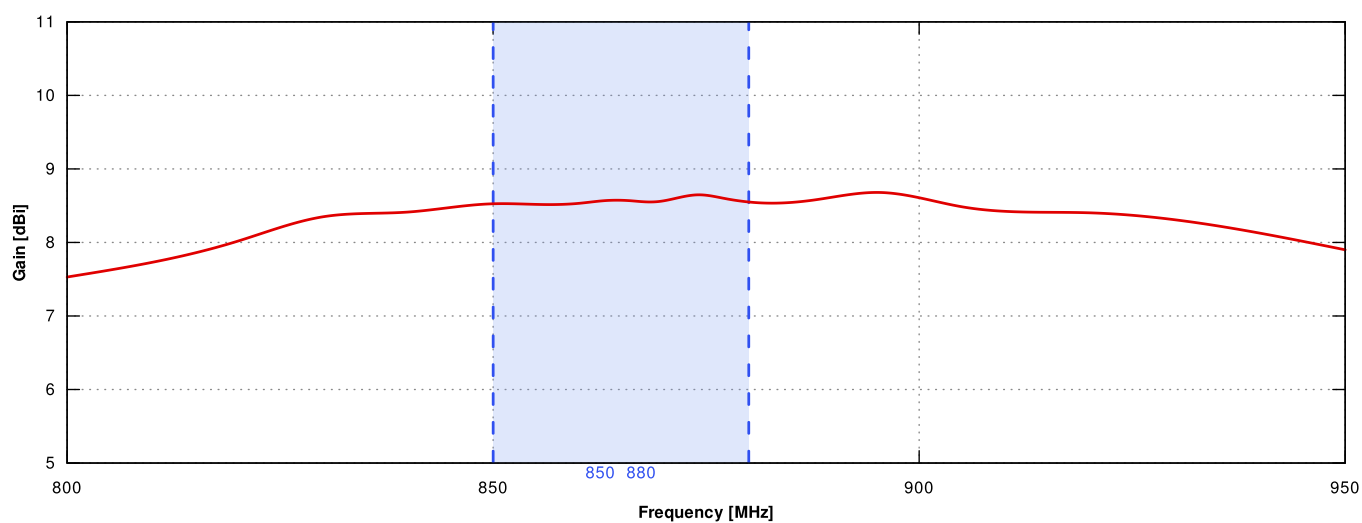
LTE Gain



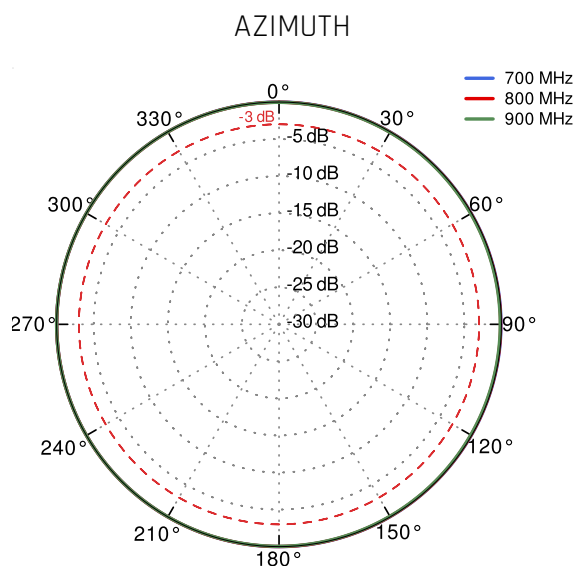
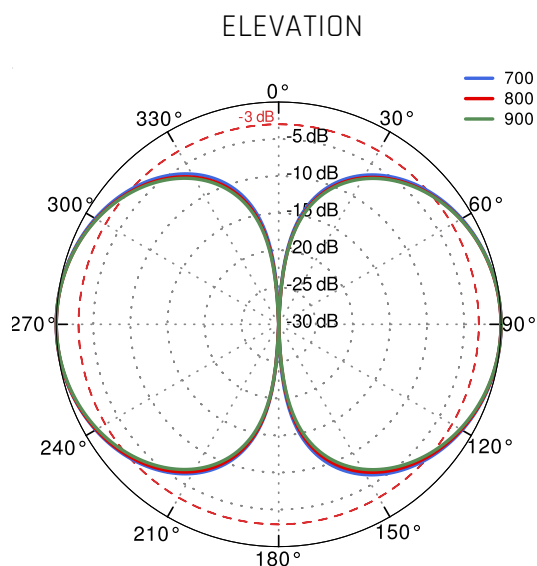
LoRa VSWR



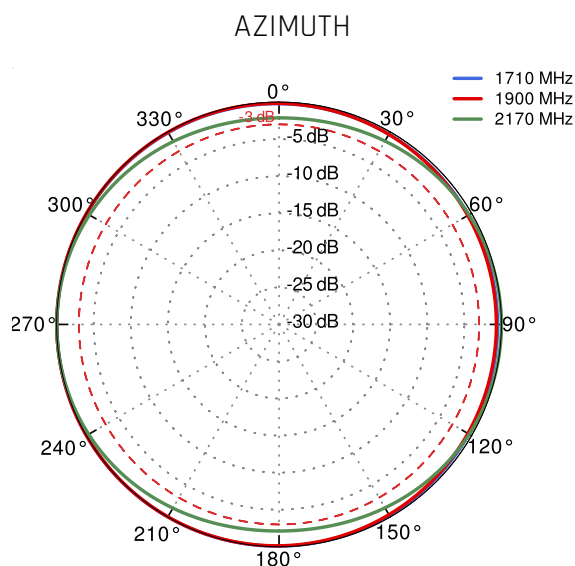
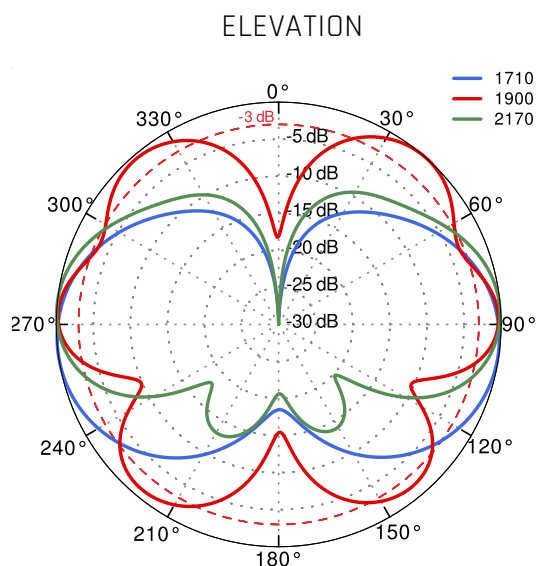
LoRa Gain



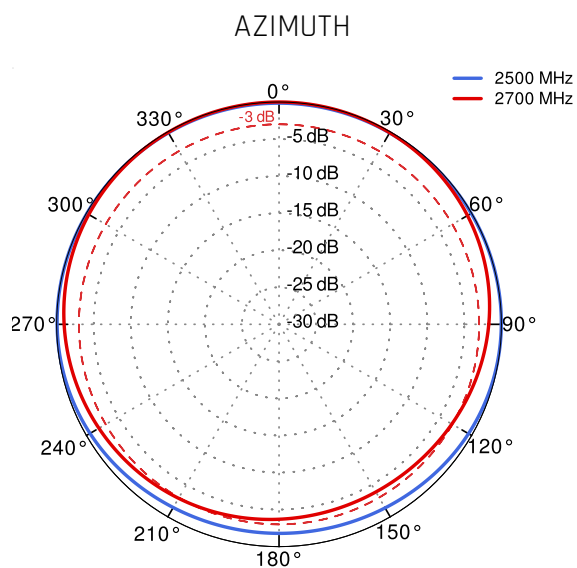
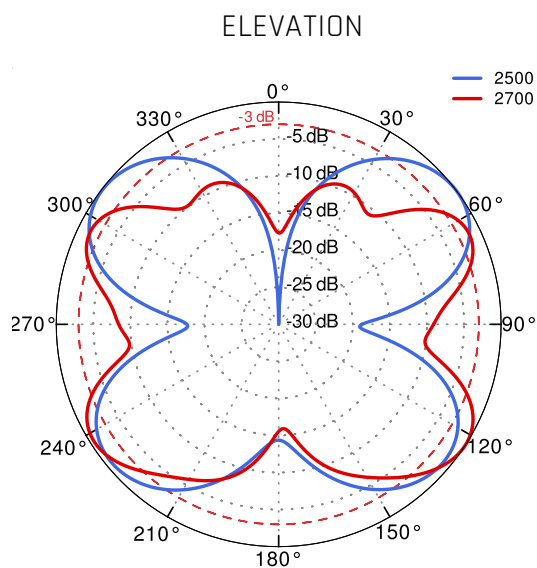
LTE From 700MHz to 900MHz



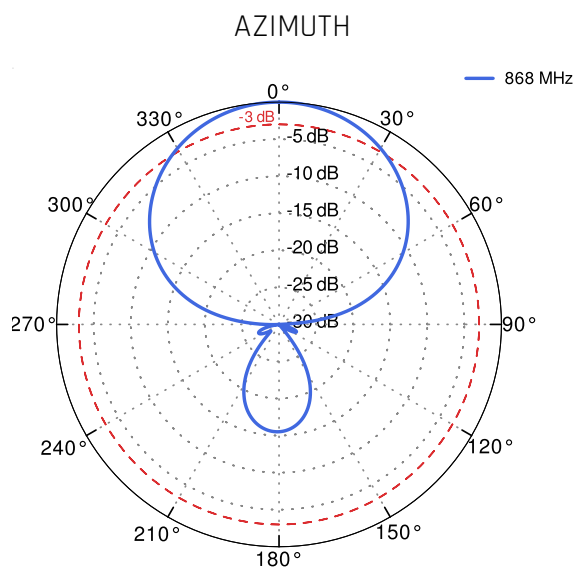
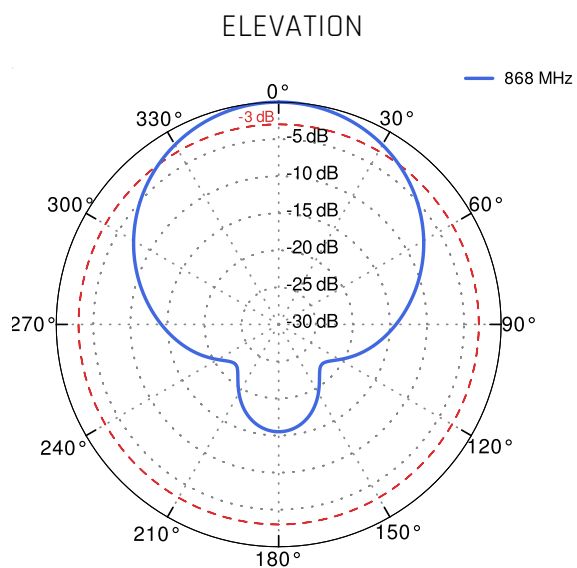
LTE From 1.71GHz to 2.17GHz



LTE From 2.3GHz to 2.7GHz



LoRa 868 MHz



DIMENSIONS

