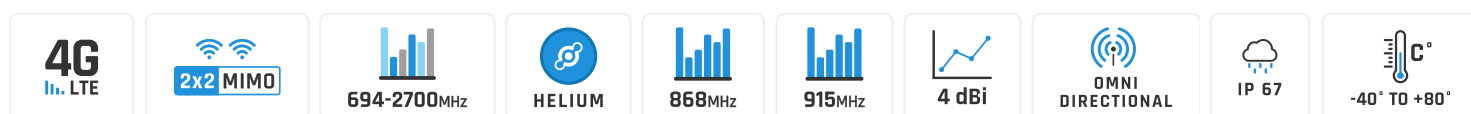


QuMax Omni for Robustel LG5100

LoRa

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

QuMax Omni all-in-one antenna for Robustel LG5100 gateway is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni LTE and LoRa antenna. If you use LG5100 with QuMax Omni 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 GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN **EUROPE**



LTE ANTENNA SPECIFICATION

| | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz |
| GAIN | 694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 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 |

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 |

MECHANICAL SPECIFICATION

| | |
|--------------------------------------------|------------------------------------------------|
| MATERIALS | BS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP67 |
| CONNECTOR TYPE | RJ45 |
| DIMENSIONS | 272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch |
| WEIGHT | 1.8 kg 3.97 lbs |
| OPERATING TEMPERATURE | From -40°C to 75°C From -40°F to 167°F |
| ENCLOSURE RECOMMENDED TIGHTENING TORQUE | 0,6 - 0,8 Nm |
| MAST DIAMETER | 25-66mm 0.98-2.60 inch |

FREQUENCY BANDS

LTE / 4G GSM

| | | | | | | | | |
|---------|-----|------|----|-----|-----|-----|-----|---------|
| | 5 | 8 | 12 | 13 | 14 | 17 | 18 | |
| 617 MHz | 19 | 20 | 26 | 27 | 28 | 29 | 44 | 960 MHz |
| | 67 | 68 | 85 | 103 | n81 | n82 | n83 | |
| | n89 | n100 | | | | | | |

LTE / 4G UMTS

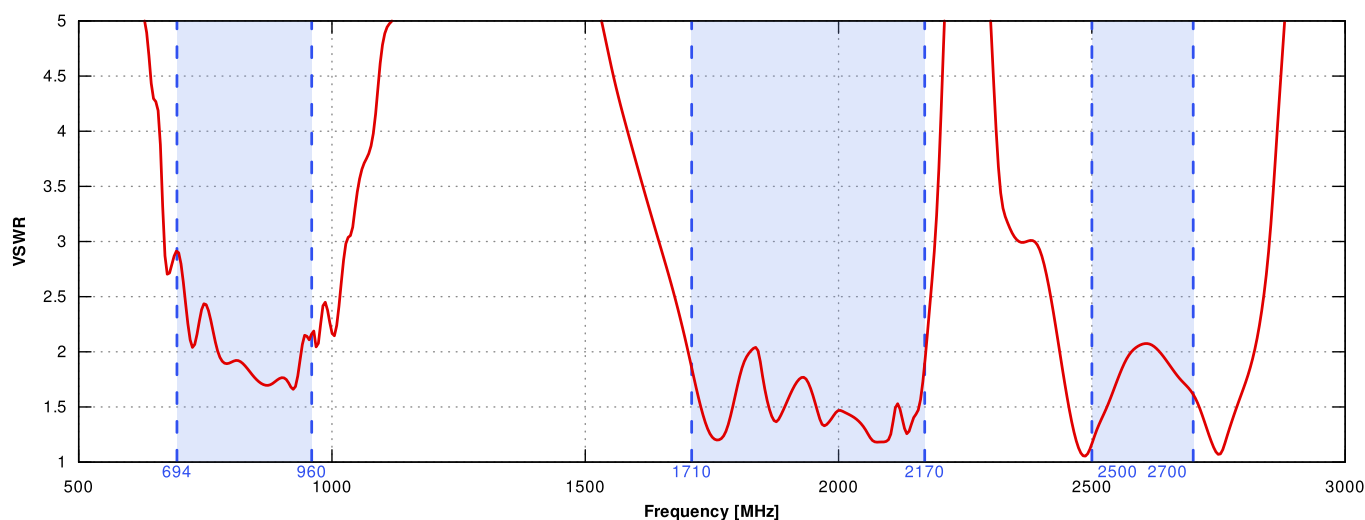
| | | | | | | | | |
|----------|-----|-----|-----|-----|------|----|-----|----------|
| | 1 | 2 | 3 | 4 | 9 | 10 | 25 | |
| 1710 MHz | 33 | 34 | 35 | 36 | 37 | 39 | n80 | 2170 MHz |
| | n84 | n86 | n95 | n98 | n101 | | | |

LTE / 4G

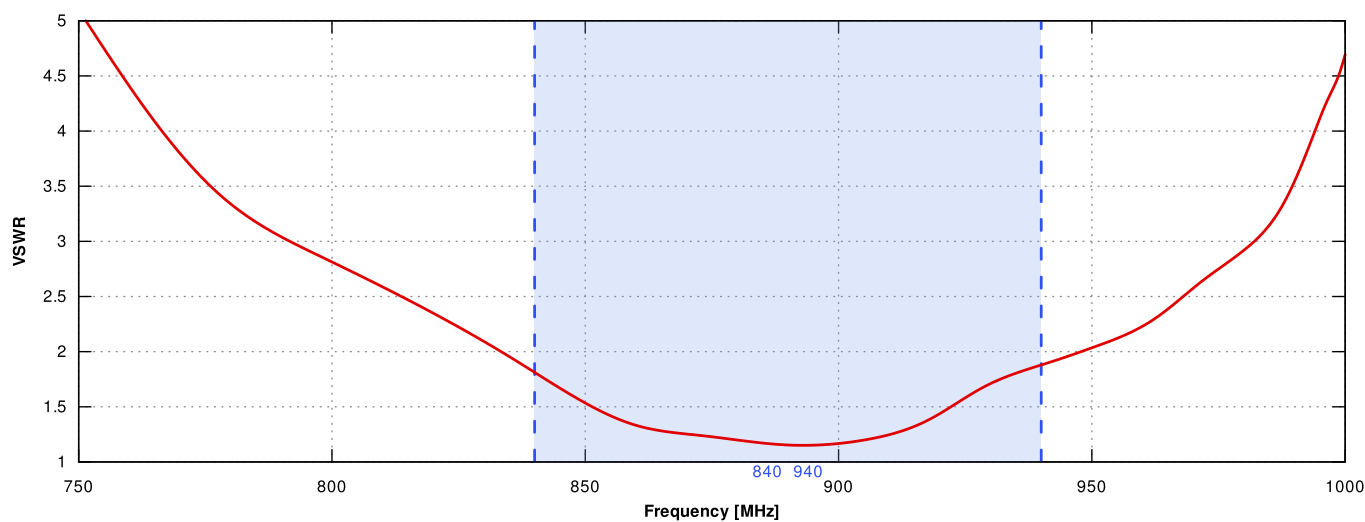
| | | | | |
|----------|---|----|----|----------|
| 2400 MHz | 7 | 38 | 69 | 2700 MHz |
|----------|---|----|----|----------|

PLOTS

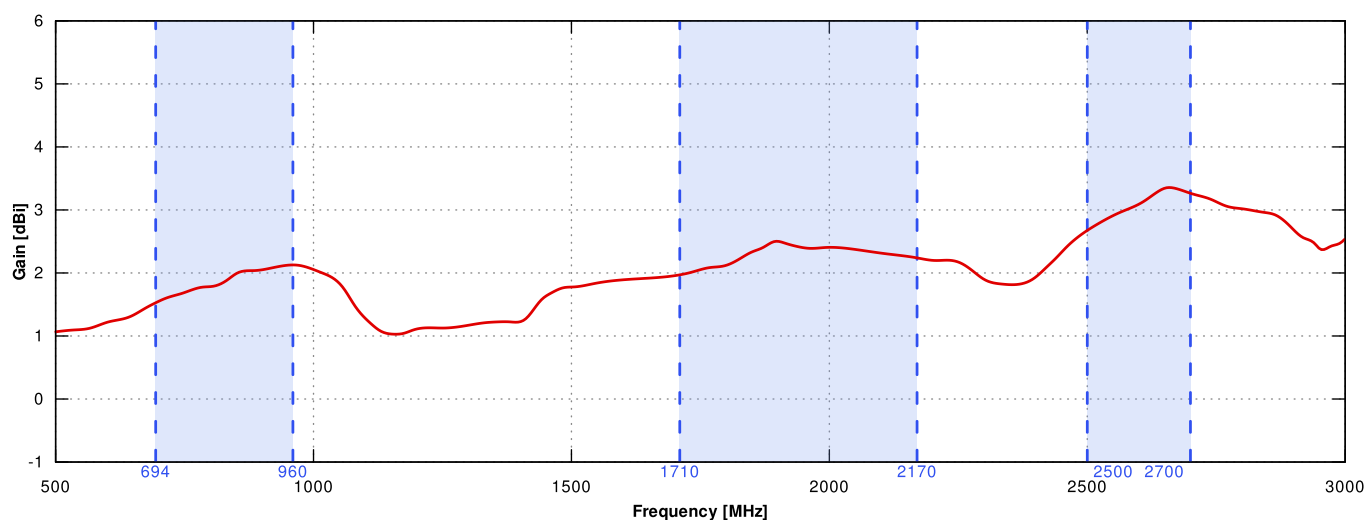
LTE VSWR



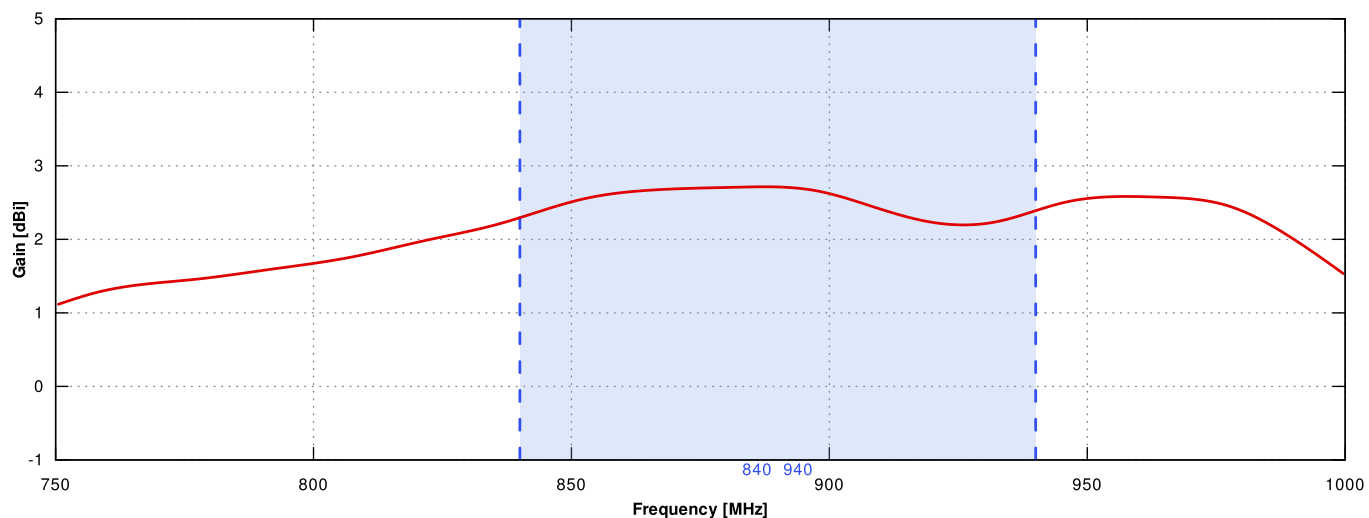
LORA VSWR



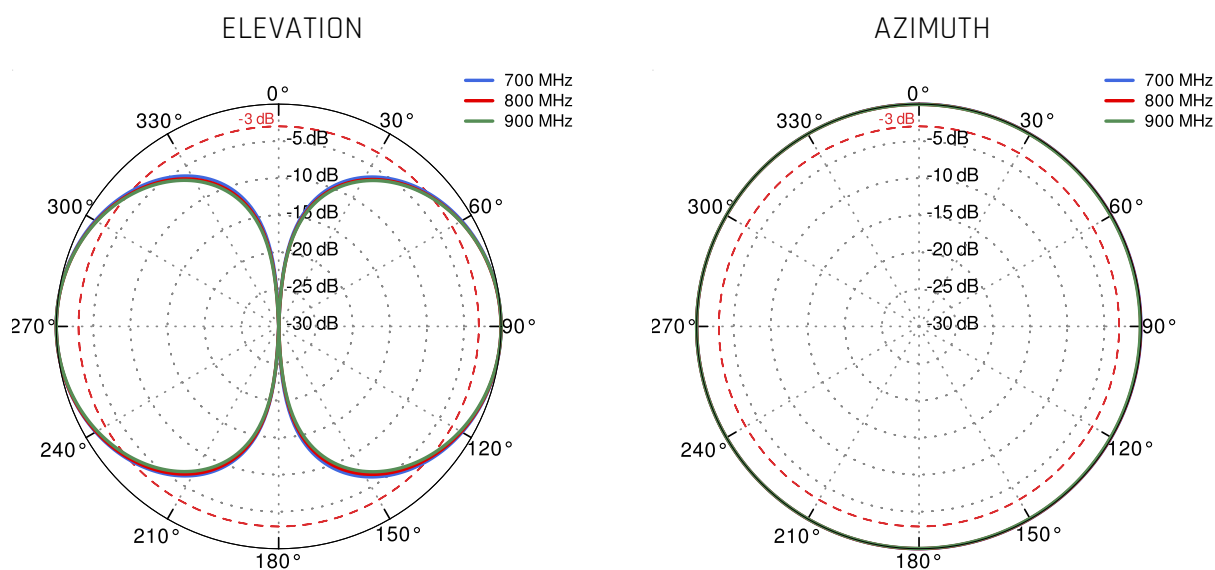
LTE Gain



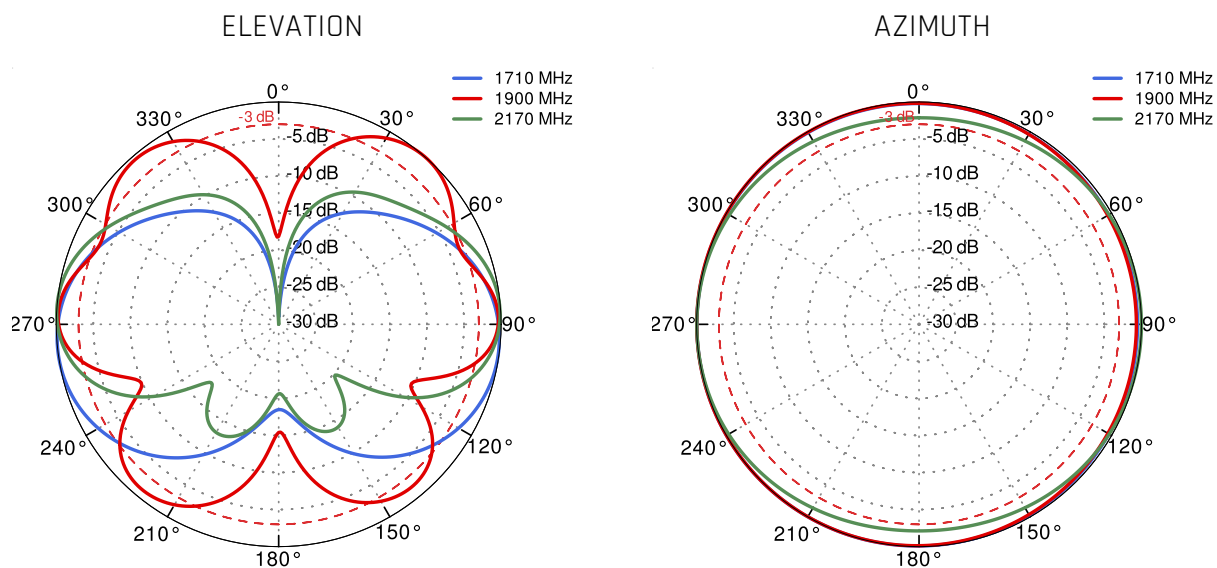
LORA Gain



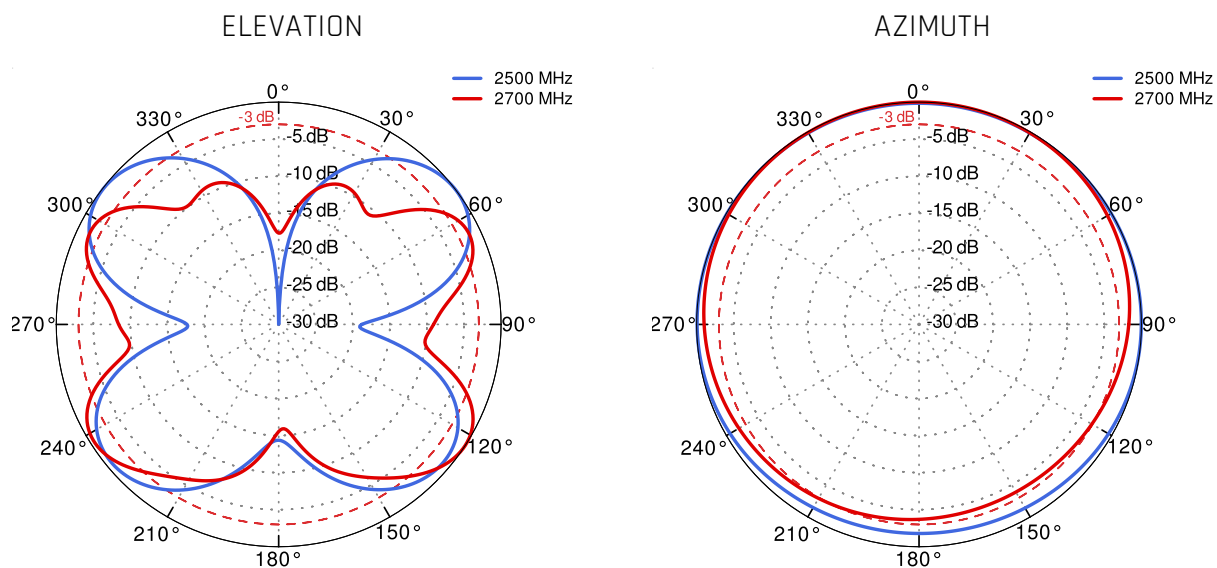
LTE From 700MHz to 900MHz



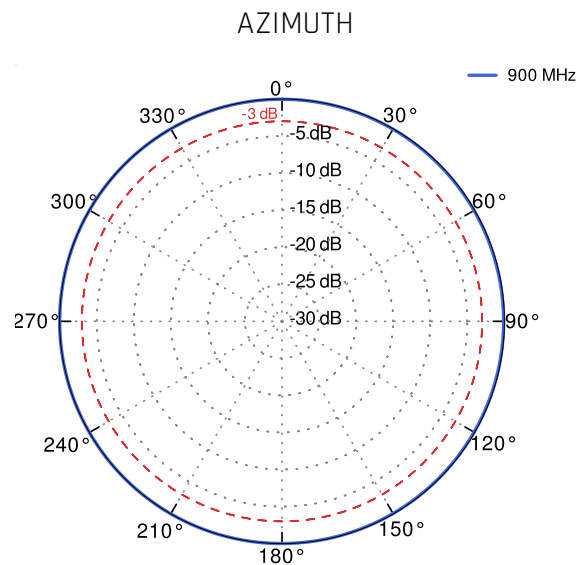
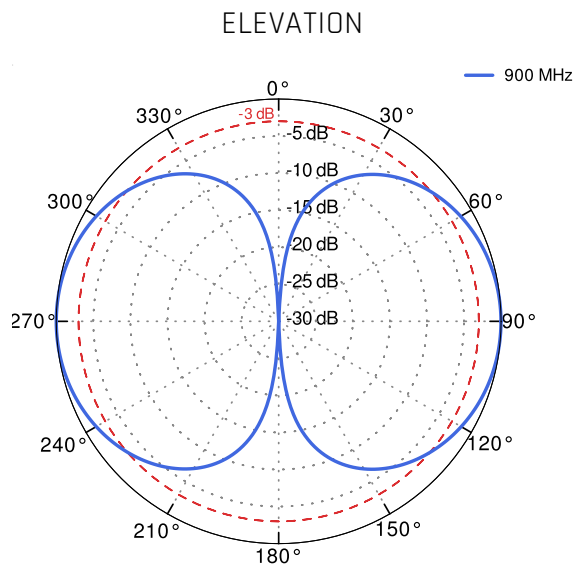
LTE From 1.71GHz to 2.17GHz



LTE From 2.5GHz to 2.7GHz



LORA 900MHz



DIMENSIONS

