

QuMax for Robustel R3000 Lite

INTEGRATED MULTI-BAND LTE DIRECTIONAL ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL R3000 LITE (ALL-IN-ONE)

QuMax antenna for Robustel R3000 Lite router is a perfect outdoor device for improving the signal in rural/suburban and locations where the mobile signal is weak. It has embedded directional LTE antenna. If you use R3000 Lite with QuMax antenna, you get an integrated complete solution with embedded router 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



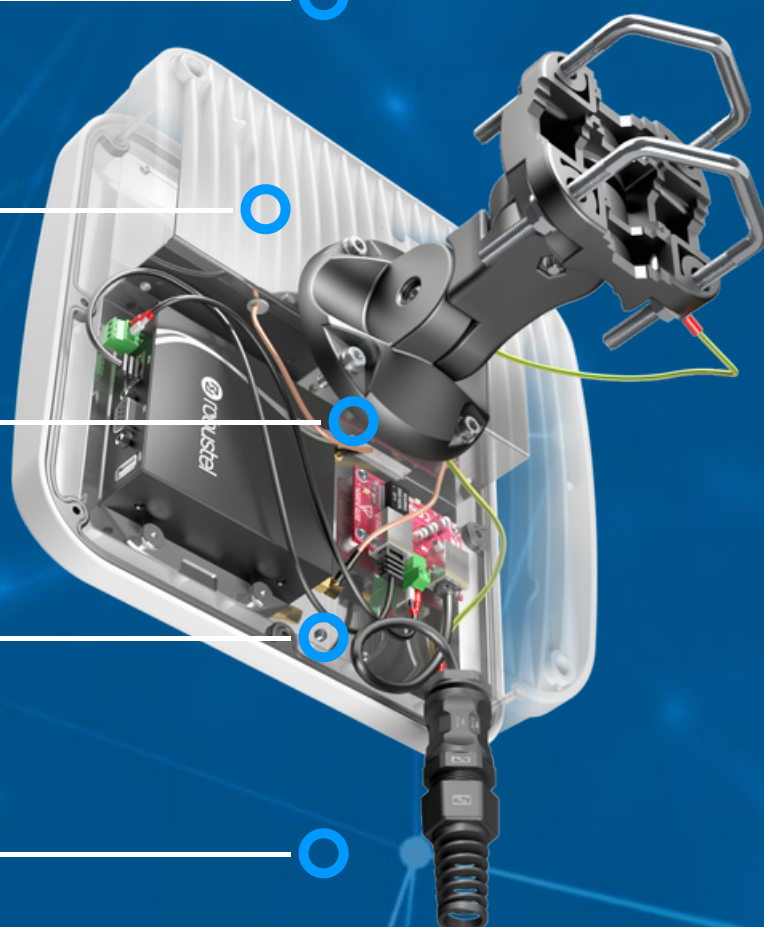
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R3000 LITE



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



LTE ANTENNA SPECIFICATION

| | |
|------------------------|--|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz |
| 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, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN | 694 - 960 MHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 70°/70° ±15° |
| POLARIZATION | Dual polarized X-Pol |
| IMPEDANCE | 50 Ω |
| FRONT-TO-BACK | >10 dB |

MECHANICAL SPECIFICATION

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

LTE / 4G UMTS

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

LTE / 4G WCS DARS

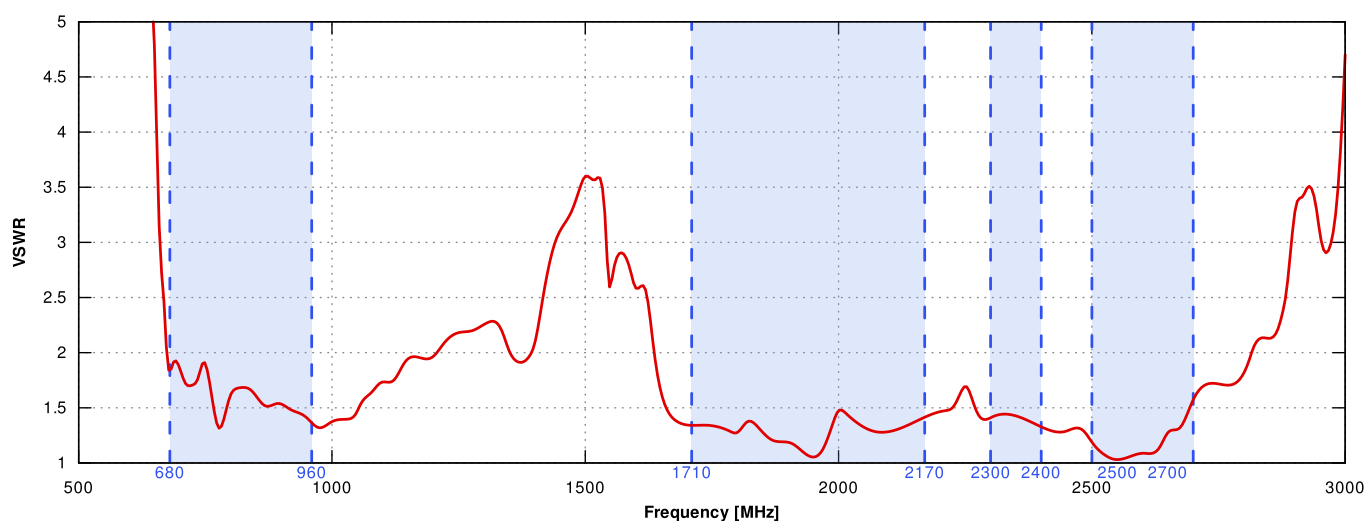
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|-------------|----|----|-----|--|--|--|--|-------------|
| 2300 MHz | 30 | 40 | n97 | | | | | 2400 MHz |
|-------------|----|----|-----|--|--|--|--|-------------|

LTE / 4G

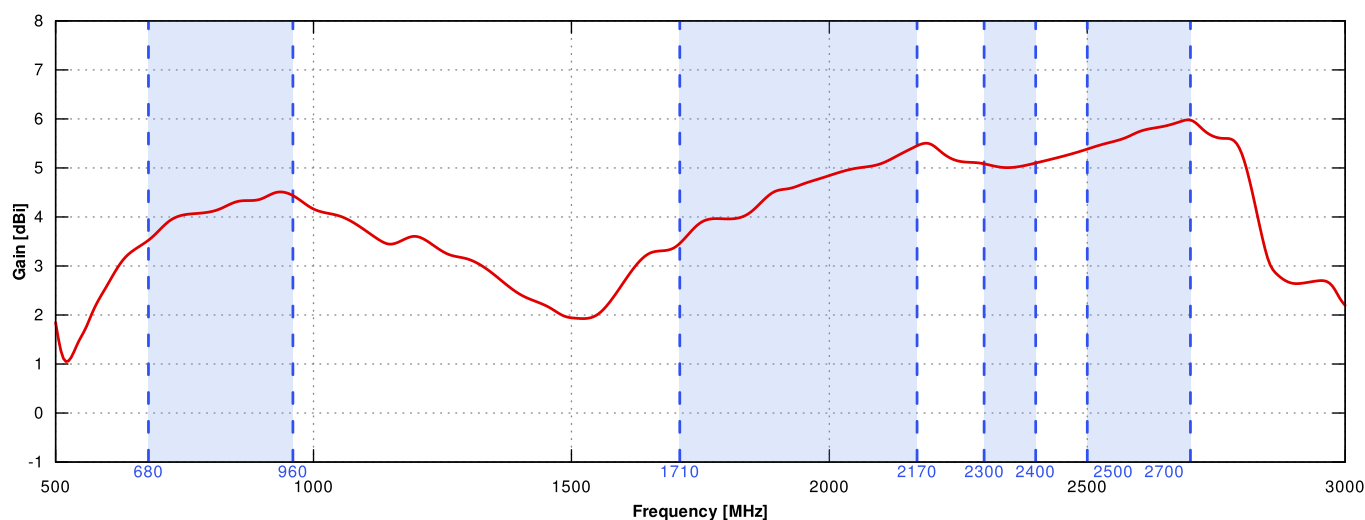
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|-------------|---|----|----|----|----|-----|--|-------------|
| 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | | 2700 MHz |
|-------------|---|----|----|----|----|-----|--|-------------|

PLOTS

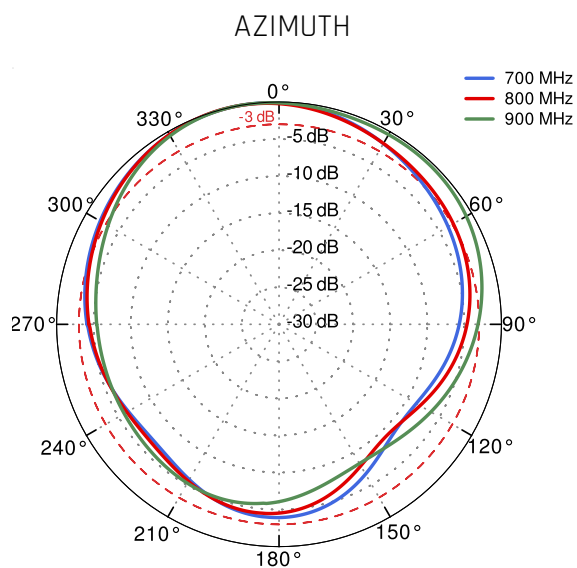
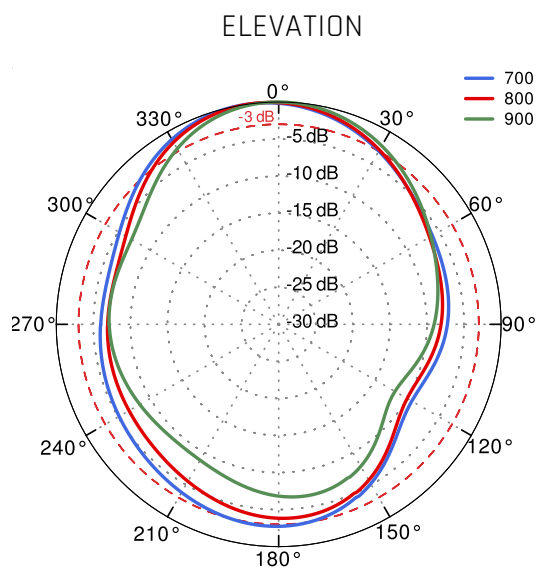
VSWR



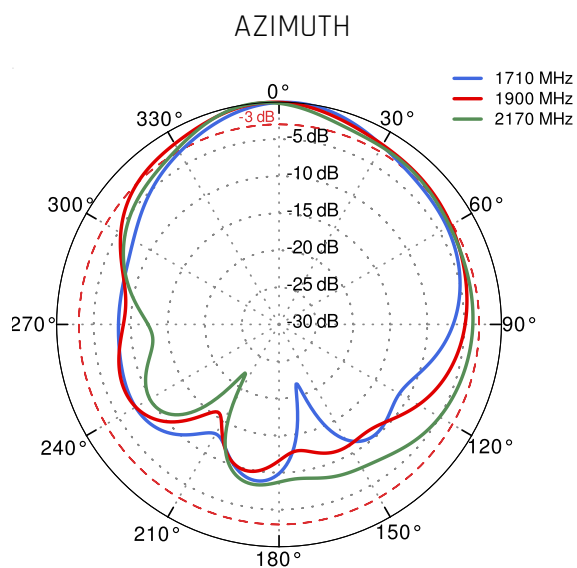
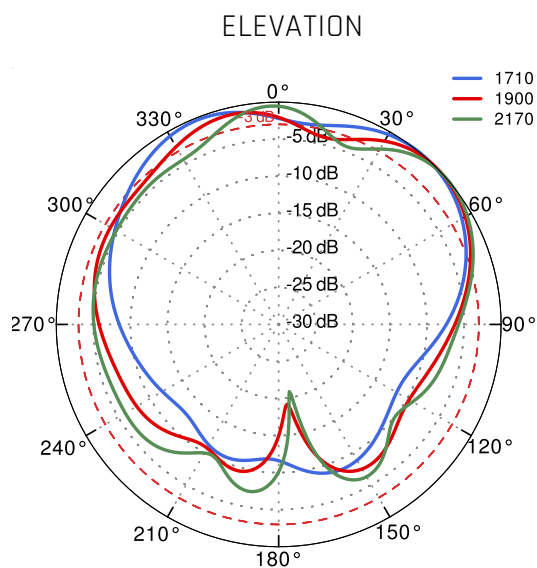
Gain



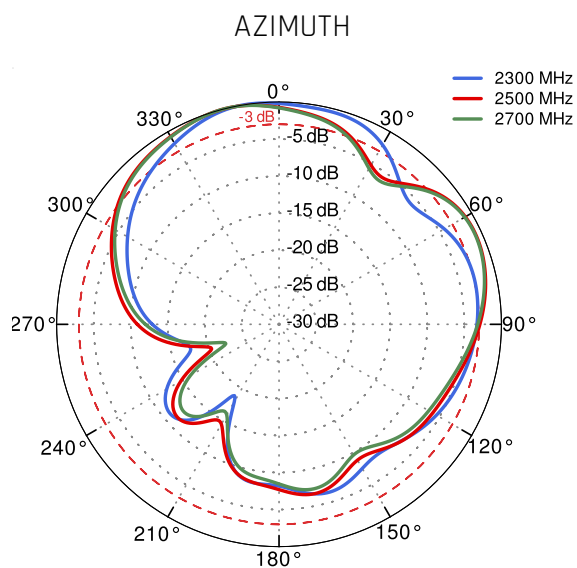
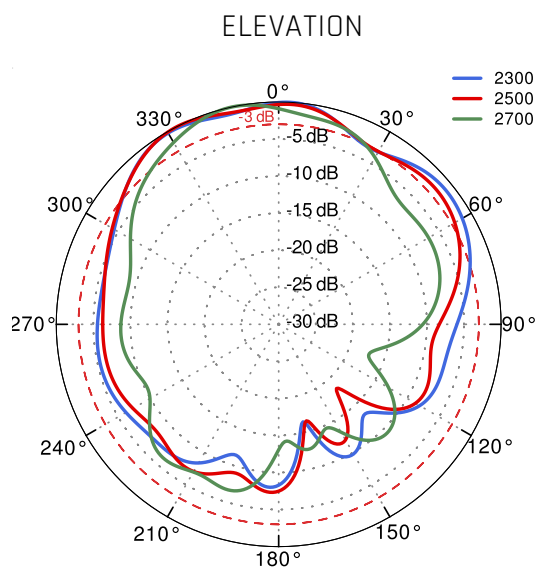
From 700MHz to 900MHz



From 1.71GHz to 2.17GHz



From 2.3GHz to 2.7GHz



DIMENSIONS

