

QuMax Omni for Teltonika TRB500

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA TRB500 (ALL-IN-ONE)

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the Teltonika TRB500 gateway. The antenna covers a wide frequency range from 617MHz (Band71) to 3.8GHz. Additional router compartment inside the housing creates a variety of new outdoor (IP67) scenarios. It is recommended for moving applications, like trains, buses, yachts or campers, but also to improve signal quality in rural areas.

The set contains a 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.

NOTE! The antenna doesn't support B32 band and n77 (above 3800MHz) band!

**5G****BAND 71****617-3800MHz****4 dBi****OMNI DIRECTIONAL****IP 67****PASSIVE POE SUPPORT****ANTENNA PERFECTLY MATCHED WITH THE ROUTER****OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67****MADE IN EUROPE**

5G / LTE ANTENNA SPECIFICATION

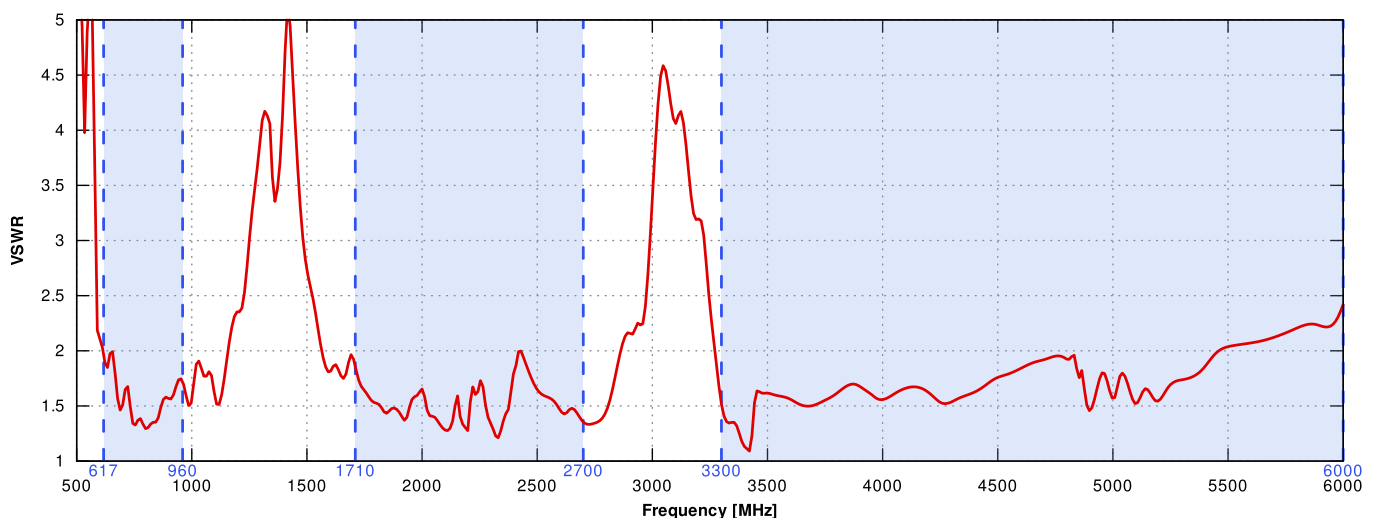
| | |
|---------------------|---|
| FREQUENCY | 0.617 - 0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz 3.3 - 3.8 GHz |
| GAIN | 0.617 - 0.96 GHz: 3 dBi 1.7 - 2.2 GHz: 3,5 dBi 2.3 - 2.7 GHz: 3,5 dBi 3.3 - 3.8 GHz: 4 dBi |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106 |
| SUPPORTED 5G BANDS | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| VSWR | <1.80, max <2.00 |
| BEAMWIDTH | 360°/35° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION

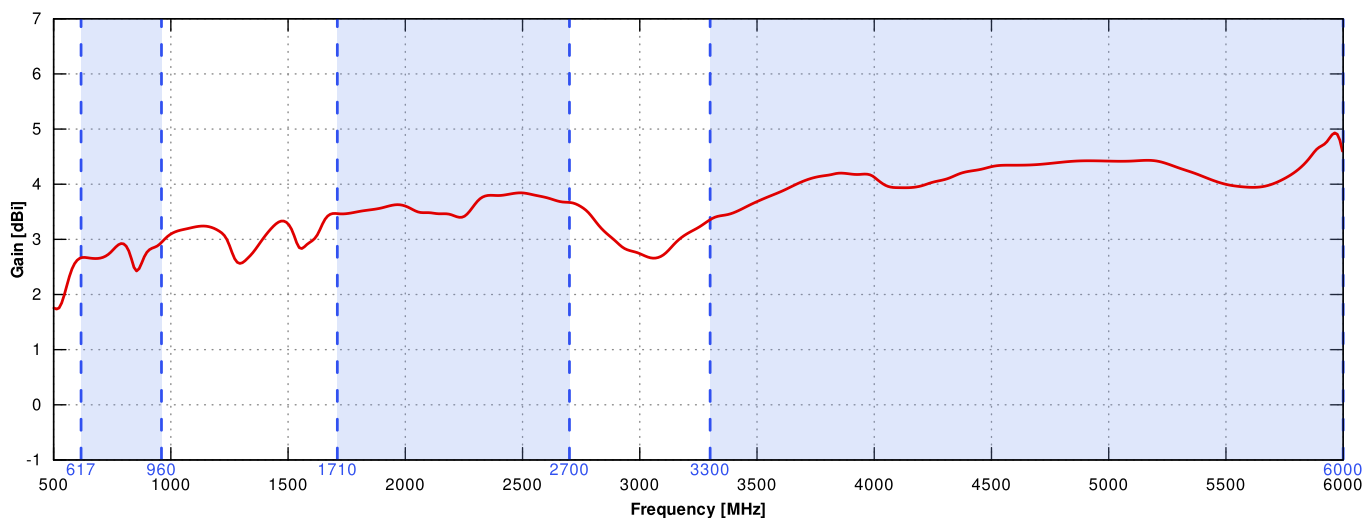
| | |
|-----------------------|---|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| CONNECTOR TYPE | RJ45 |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch |
| WEIGHT | 2.5 kg 5.51 lbs |
| OPERATING TEMPERATURE | From -40°C to 70°C From -40°F to 167°F |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

PLOTS

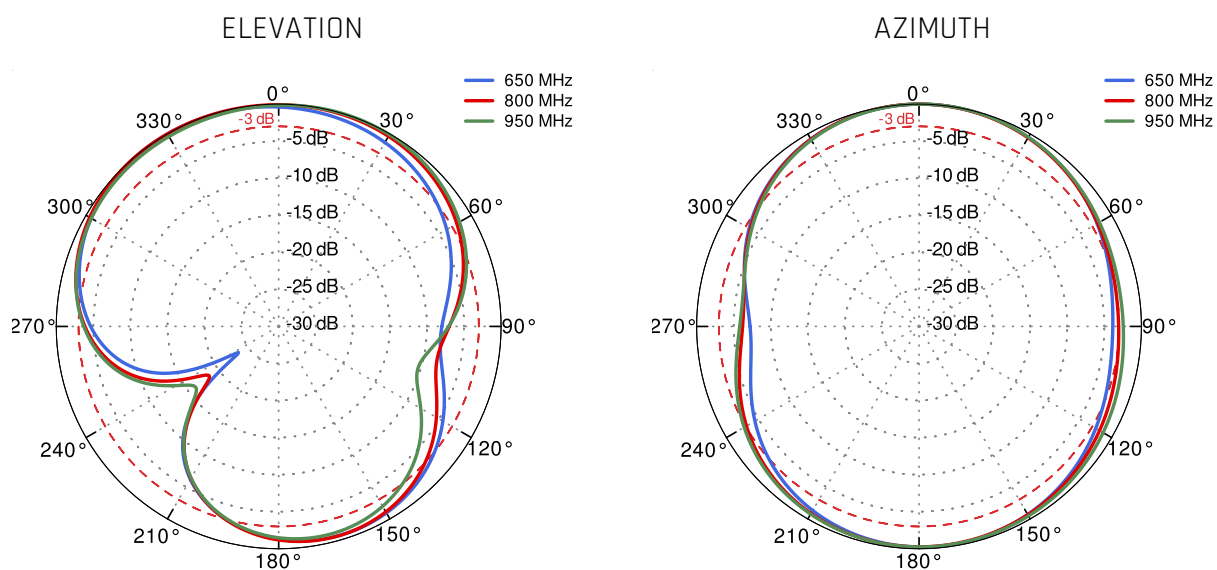
VSWR for LTE antenna



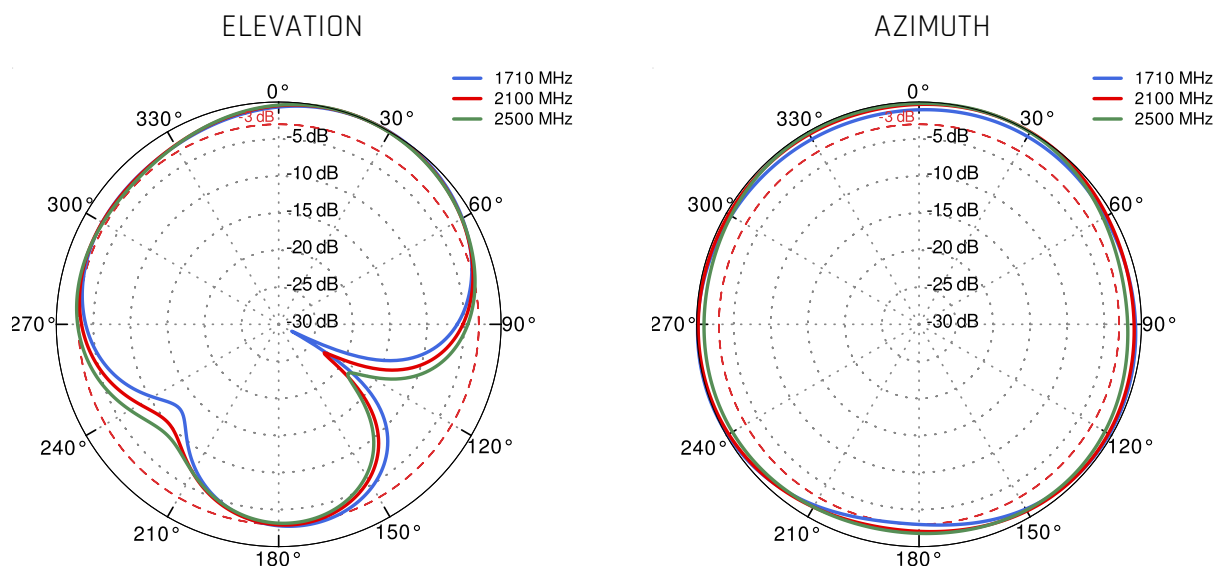
Gain for LTE antenna



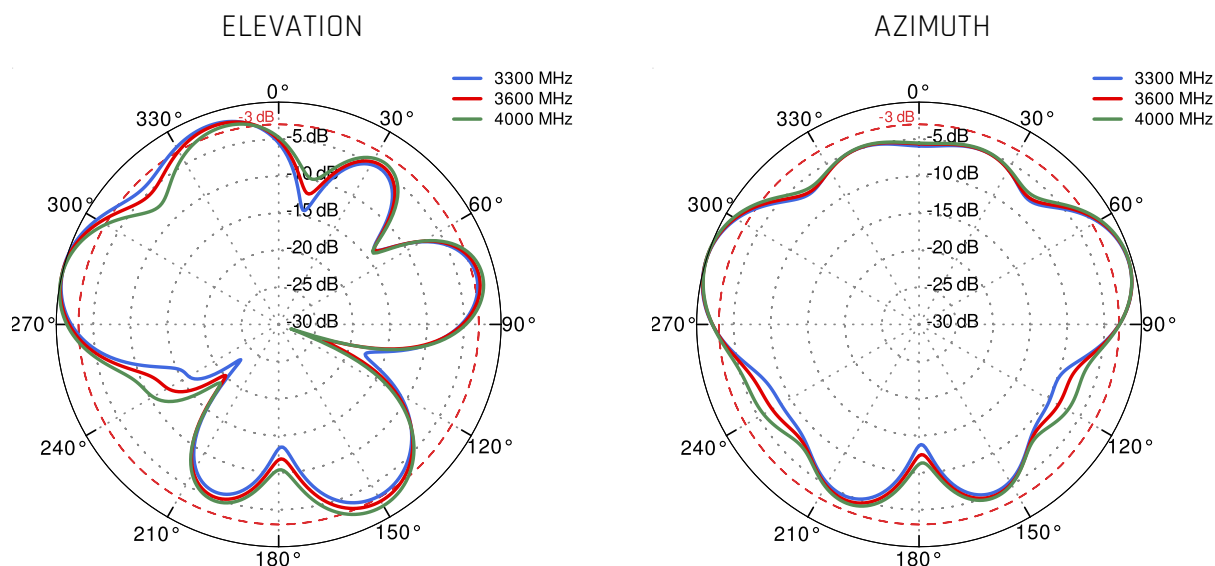
5G/LTE from 650MHz to 950MHz



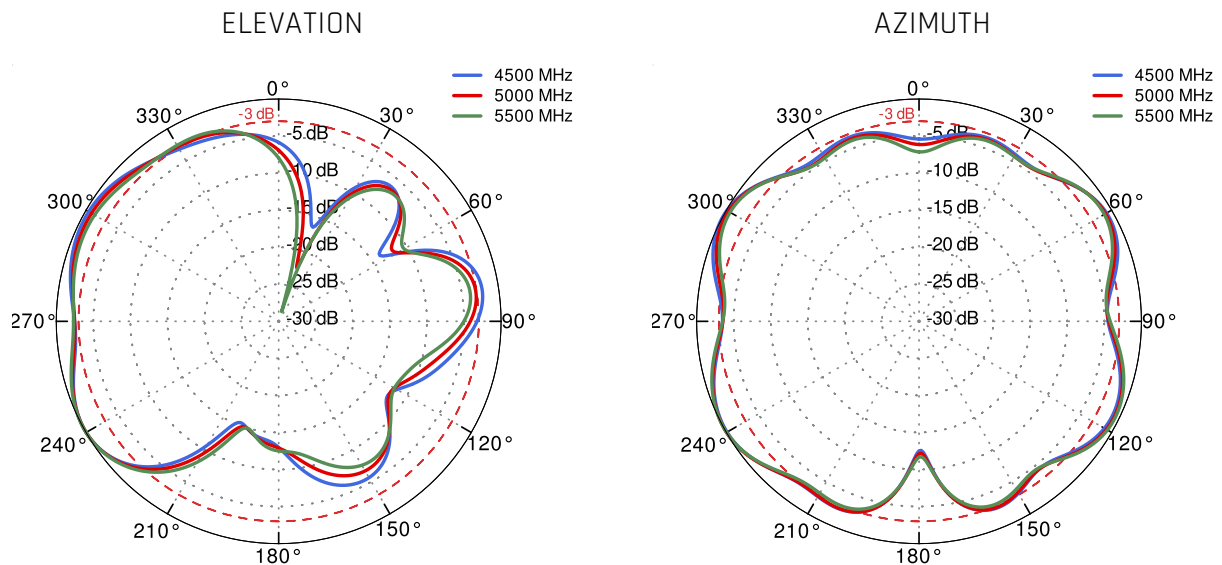
5G/LTE from 1.71GHz to 2.5GHz



5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



DIMENSIONS

