

# QuSpot for Teltonika RUTX09

**Integrated outdoor multi band LTE omni antennas + GPS antenna + place to install Teltonika RUTX09 (All-in-one)**

QuSpot omni LTE antenna for Teltonika **RUTX09** router is a perfect outdoor device for mobile and fixed installations like industrial, CCTV, hotspots, yachts, boats, campers, RV etc. **It has embedded GPS antenna.** If you use **RUTX09** with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

This product is also compatible with **RUTM09**.



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



ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



PASSIVE **POE** SUPPORT



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

|                               |  |
|-------------------------------|--|
| <b>FREQUENCY</b>              | 694 - 960 MHz<br>1.7 - 2.2 GHz<br>2.2 - 2.7 GHz  |
| <b>GAIN</b>                   | 694 - 960 MHz : 2 dBi<br>1.7 - 2.2 GHz : 2 dBi<br>2.2 - 2.7 GHz : 4 dBi  |
| <b>SUPPORTED LTE/5G BANDS</b> | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95 |
| <b>VSWR</b>                   | <1.60, max <2.00   |
| <b>BEAMWIDTH</b>              | 360°/35° ±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<br>6.3 x 6.3 x 9.45 inch |
| <b>WEIGHT</b>                                  | 1.5 kg<br>3.31 lbs                          |
| <b>OPERATING TEMPERATURE</b>                   | From -40°C to 80°C<br>From -40°F to 176°F   |
| <b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b> | 0.5 - 0.7 Nm                                |
| <b>MAST DIAMETER</b>                           | 25-66 mm<br>0.98-2.60 inch                  |

# FREQUENCY BANDS

**LTE / 4G GSM**

|            |     |    |    |    |     |     |     |            |
|------------|-----|----|----|----|-----|-----|-----|------------|
| 694<br>MHz | 5   | 6  | 8  | 12 | 13  | 14  | 17  | 960<br>MHz |
|            | 18  | 19 | 20 | 26 | 27  | 28  | 29  |            |
|            | 44  | 67 | 68 | 85 | n81 | n82 | n83 |            |
|            | n89 |    |    |    |     |     |     |            |

**LTE / 4G UMTS**

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

**LTE / 4G WCS DARS**

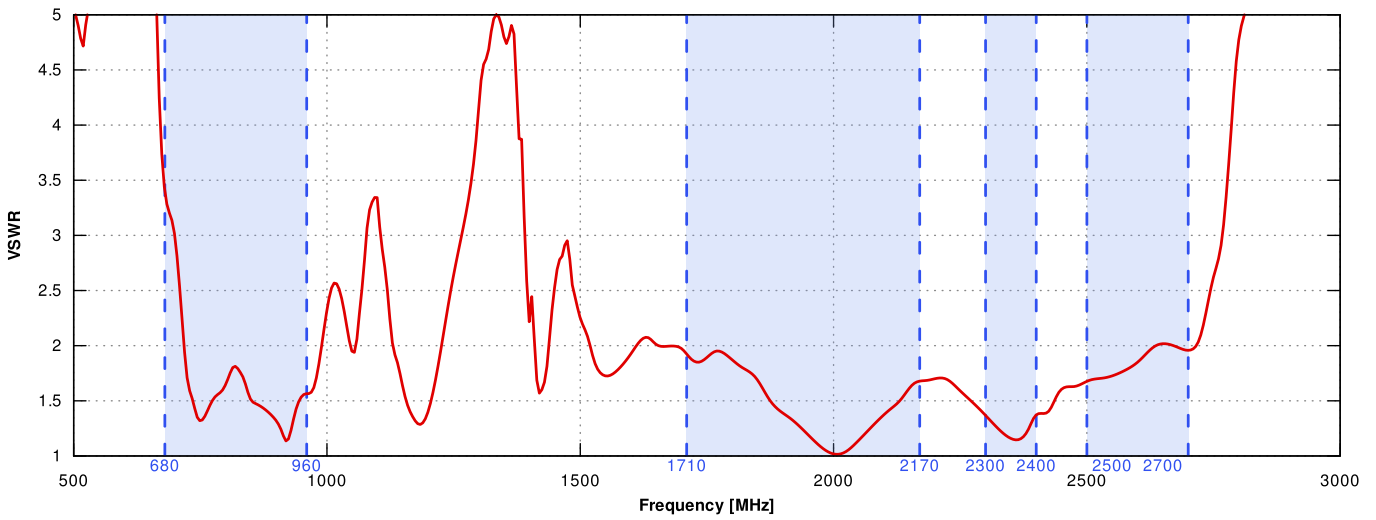
|             |    |    |  |  |  |  |  |             |
|-------------|----|----|--|--|--|--|--|-------------|
| 2300<br>MHz | 30 | 40 |  |  |  |  |  | 2400<br>MHz |
|-------------|----|----|--|--|--|--|--|-------------|

**LTE / 4G**

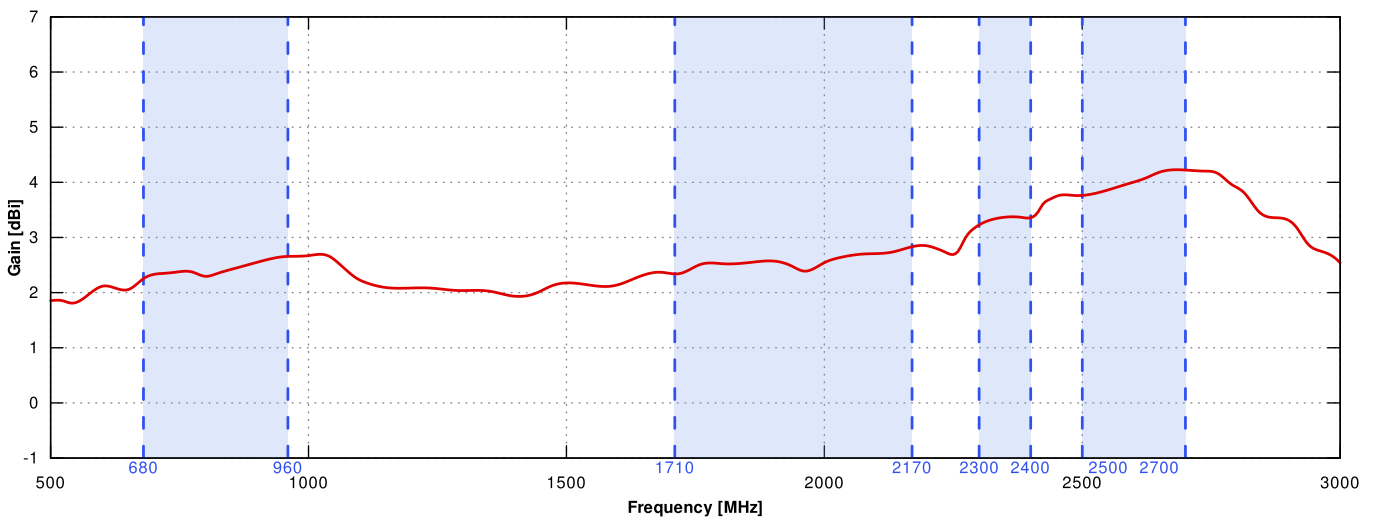
|             |   |    |    |    |    |     |  |             |
|-------------|---|----|----|----|----|-----|--|-------------|
| 2400<br>MHz | 7 | 38 | 41 | 53 | 69 | n90 |  | 2700<br>MHz |
|-------------|---|----|----|----|----|-----|--|-------------|

## PLOTS

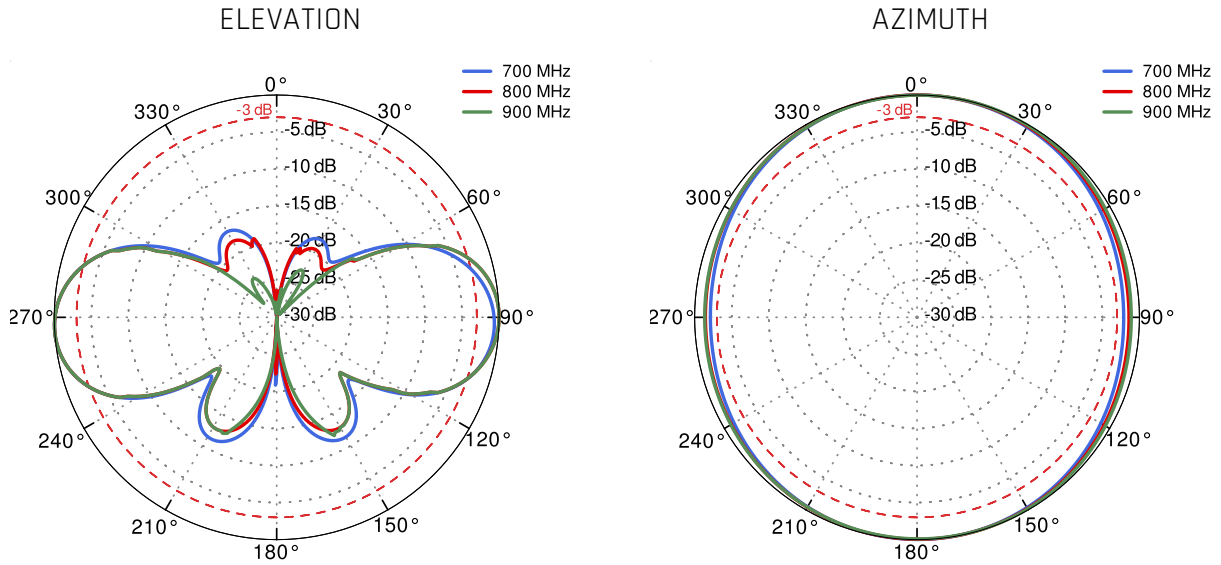
VSWR for LTE antenna



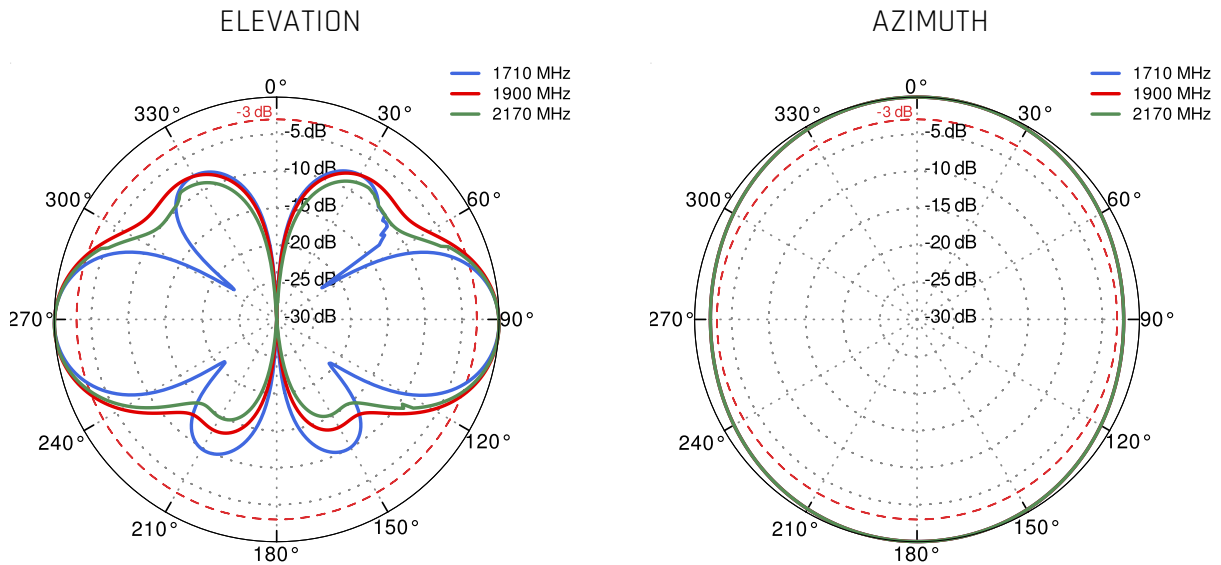
Gain for LTE antenna



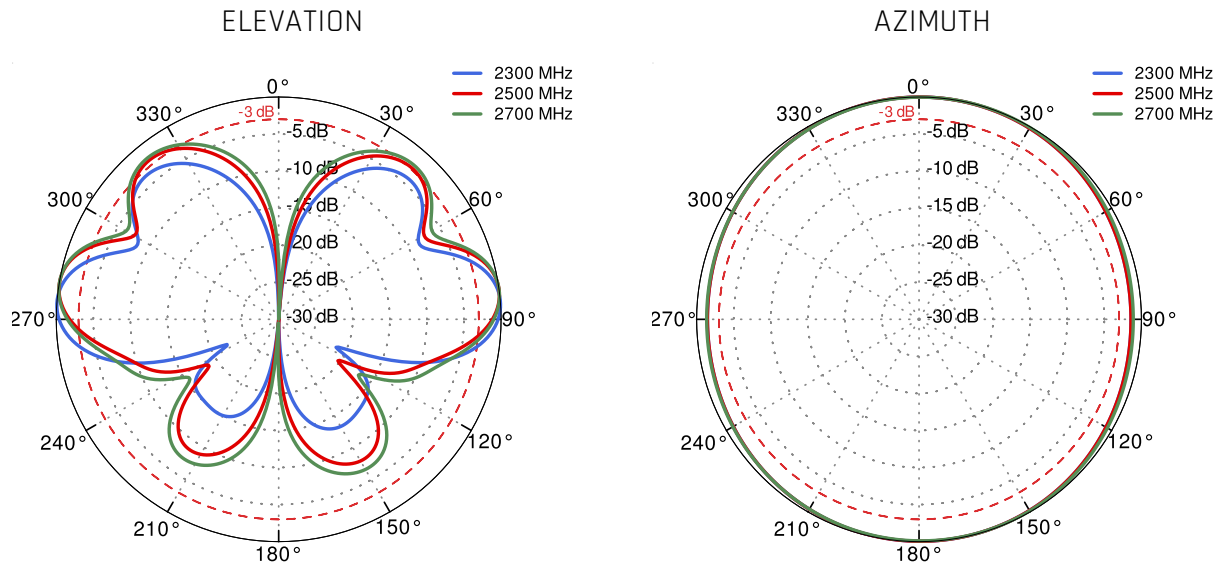
LTE from 700MHz to 900MHz



LTE from 1.71GHz to 2.17GHz



LTE from 2.3GHz to 2.7GHz




## DIMENSIONS

