

# QuSpot for Teltonika RUTM59

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + GPS PLACE TO INSTALL TELTONIKA RUTM59 (ALL-IN-ONE)

QuSpot for RUTM59 is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. This product is an all in one solution that integrates a high gain omnidirectional 5G and GPS antenna with RUTM59 into a single IP68 enclosure. Such integration allows implementation of new outdoor RUTM59 solutions.

QuSpot for RUTM59 is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats and camping but also city centres with high signal density.



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



ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



PASSIVE **POE SUPPORT**



MADE IN **EUROPE**



## 5G ANTENNA SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>FREQUENCY</b>           | 0.6 - 1.4 GHz<br>1.5 - 3.0 GHz<br>3.0 - 5.0 GHz<br>5.0 - 6.35 GHz   |
| <b>MAX. GAIN</b>           | 0.6 - 1.4 GHz : 2.6 dBi<br>1.5 - 3.0 GHz : 4.2 dBi<br>3.0 - 5.0 GHz : 4.4 dBi<br>5.0 - 6.35 GHz : 2.1 dBi   |
| <b>SUPPORTED LTE BANDS</b> | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256  |
| <b>SUPPORTED 5G BANDS</b>  | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n105, n106, n250, n251, n252, n253, n254, n255, n256 |
| <b>VSWR</b>                | <2.00, max <3.00  |
| <b>BEAMWIDTH</b>           | 360°/25° ±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 75°C<br>From -40°F to 167°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

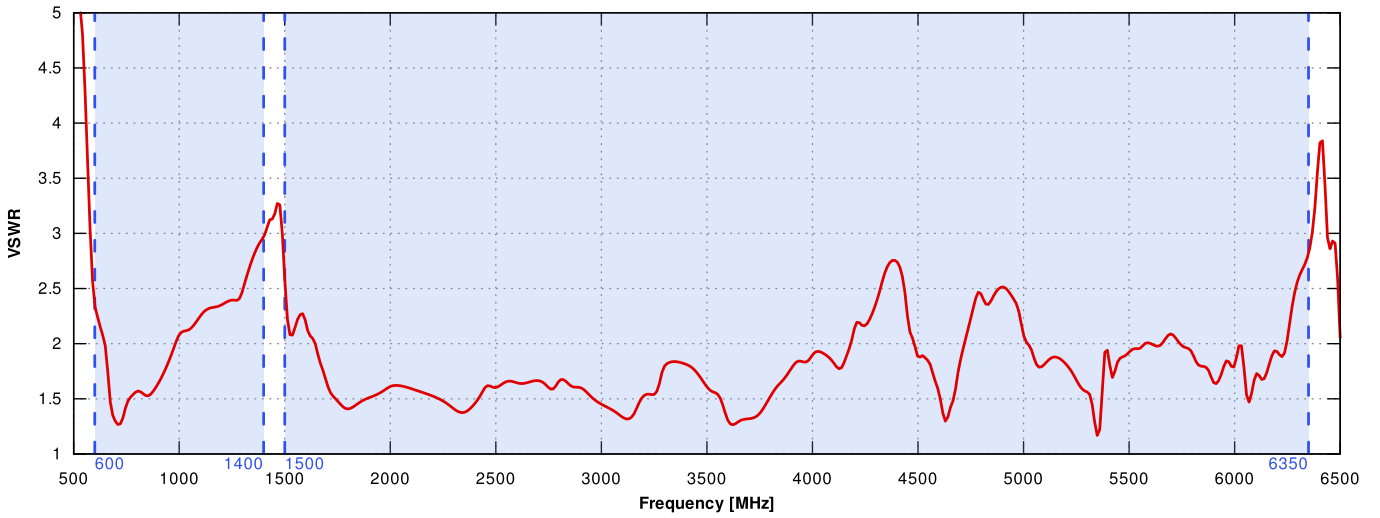
|         |    |    |    |    |     |     |    |          |
|---------|----|----|----|----|-----|-----|----|----------|
|         | 1  | 2  | 3  | 4  | 5   | 7   | 8  |          |
|         | 9  | 10 | 12 | 13 | 14  | 17  | 18 |          |
|         | 19 | 20 | 22 | 25 | 26  | 27  | 28 |          |
| 617 MHz | 29 | 30 | 33 | 34 | 35  | 36  | 37 | 4300 MHz |
|         | 38 | 39 | 40 | 41 | 42  | 43  | 44 |          |
|         | 48 | 49 | 52 | 53 | 65  | 66  | 67 |          |
|         | 68 | 69 | 71 | 85 | 103 | 106 |    |          |

5G

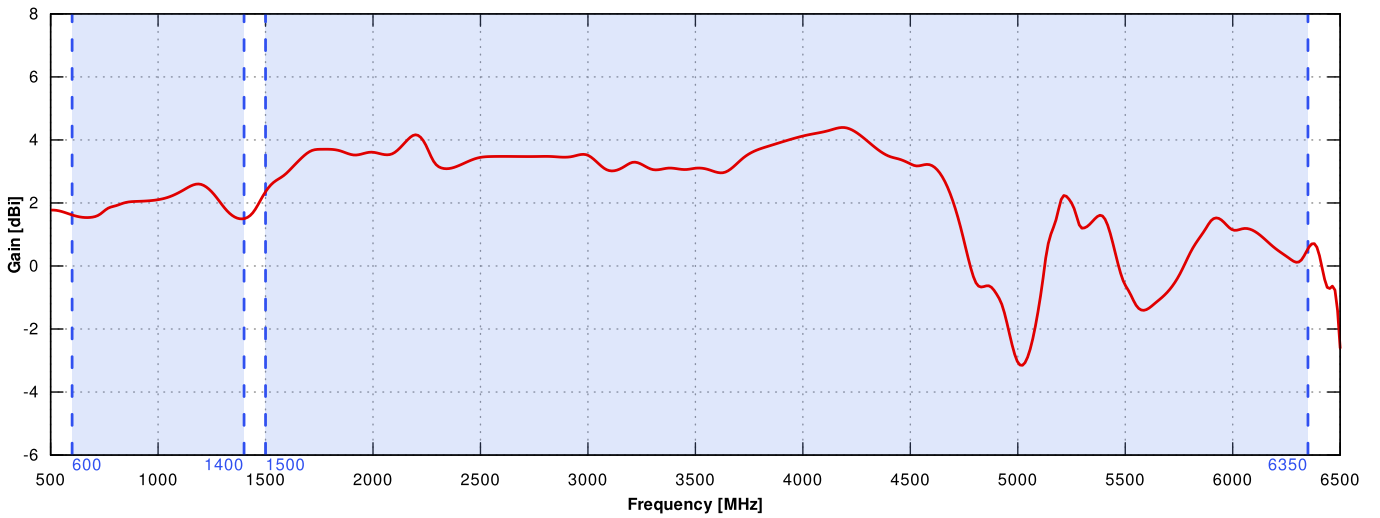
|         |      |      |     |     |     |     |      |          |
|---------|------|------|-----|-----|-----|-----|------|----------|
|         | n1   | n2   | n3  | n5  | n7  | n8  | n12  |          |
|         | n13  | n14  | n18 | n20 | n25 | n26 | n28  |          |
|         | n29  | n30  | n34 | n38 | n39 | n40 | n41  |          |
| 617 MHz | n48  | n53  | n65 | n66 | n67 | n71 | n77  | 4300 MHz |
|         | n78  | n80  | n81 | n82 | n83 | n84 | n85  |          |
|         | n86  | n89  | n90 | n95 | n97 | n98 | n100 |          |
|         | n101 | n256 |     |     |     |     |      |          |

# PLOTS

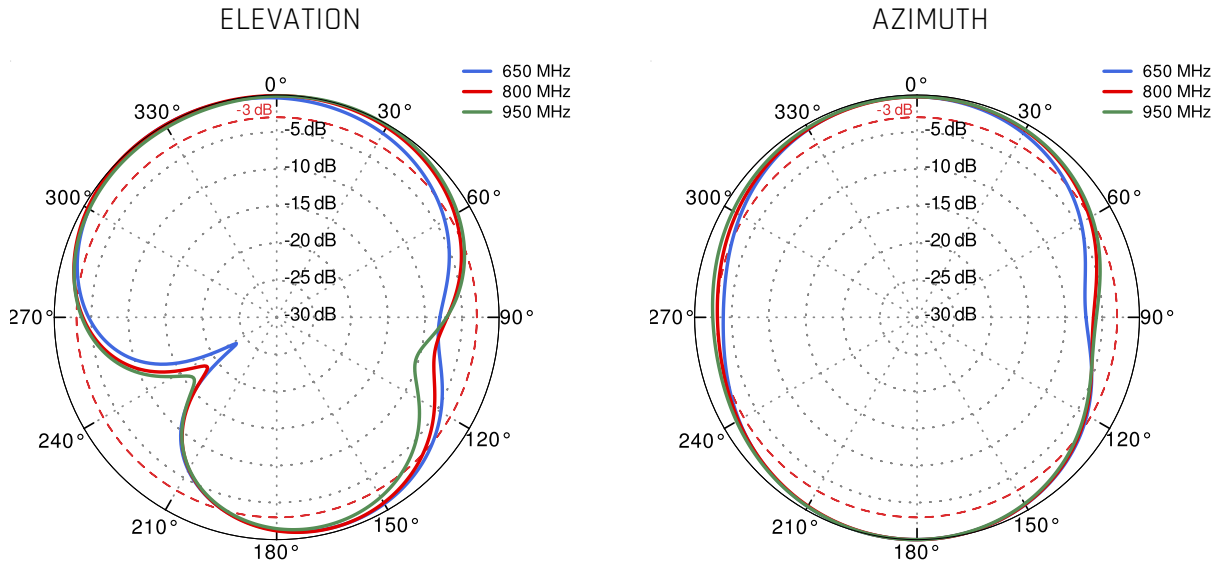
VSWR for 5G/LTE antenna



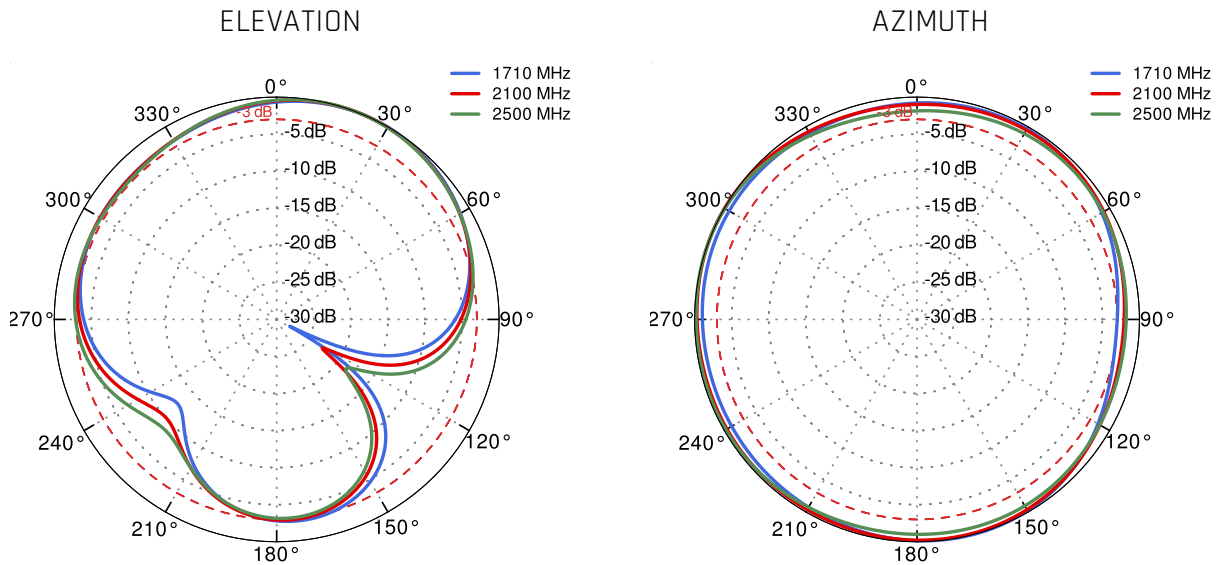
Gain for 5G/LTE antenna



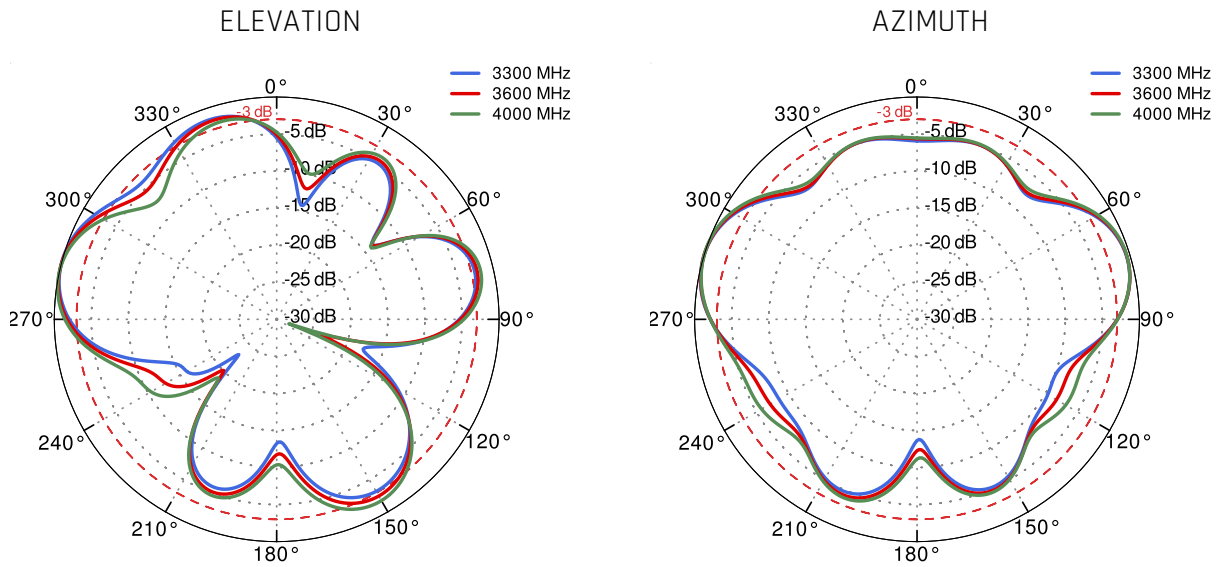
5G/LTE from 650MHz to 950MHz



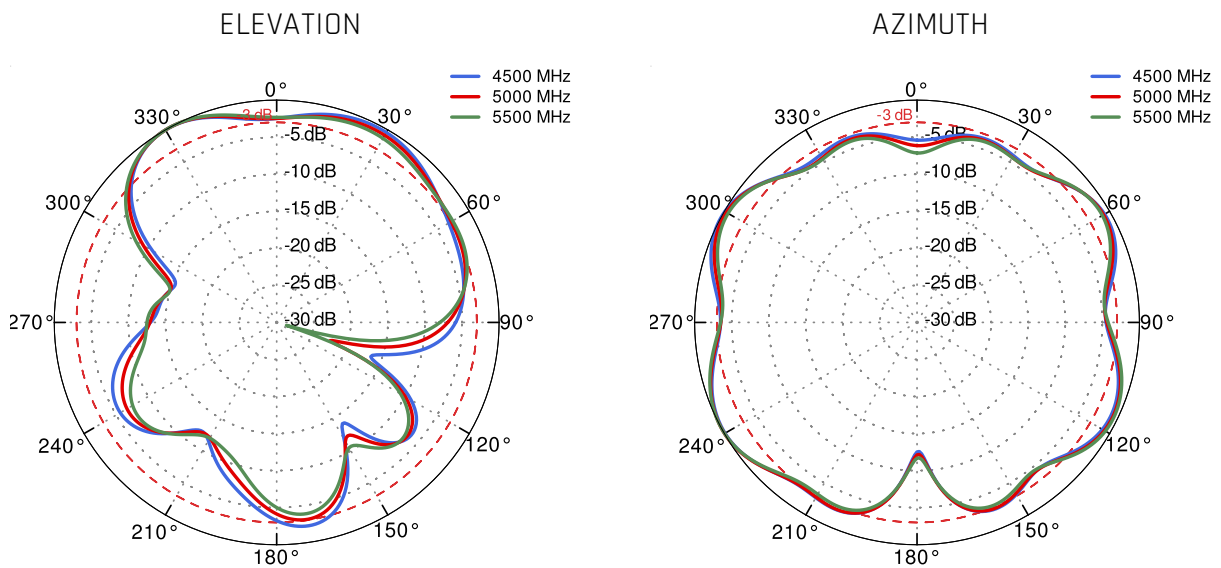
5G/LTE from 1.71GHz to 2.5GHz



5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



## DIMENSIONS

