

QuSpot for Teltonika RUTM30/RUTM31

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUTM30/RUTM31 (ALL-IN-ONE)

QuSpot for RUTM30/RUTM31 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 Wi Fi antennas with RUTM30/RUTM31 into a single IP68 enclosure. Such integration allows implementation of new outdoor RUTM30/RUTM31 solutions.

QuSpot for RUTM30/RUTM31 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.





















5G ANTENNA SPECIFICATION

| FR | E (| 111 | н | XП | $\cap V$ |
|----|-----|-----|---|----|----------|
| FK | н. | | | М | υг |

617 - 960 MHz

1.7 - 2.7 GHz

3.3 - 4.7 GHz

5.2 - 6.0 GHz

SUPPORTED LTE BANDS

1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 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, 1067, 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, n77, n78, n80, n81, n82, n84, n86, n89, n90, n95, n97, n98, n100, n101

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

GAIN

617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 GHz : 2 dBi

VSWR

<2.00, max <2.50

BEAMWIDTH

360°/25° ±5°

POLARIZATION

Vertical

IMPEDANCE

50 Ω



WI-FI ANTENNA SPECIFICATION

2.4 - 2.5 GHz 5.0 - 7.2 GHz

2.4 - 2.5 GHz : 6 dBi GAIN 5 GHz: 7.5dBi

5 GHz: 7.5dBi 7 GHz: 7.5dBi

VSWR < 1.50, max < 2.00

BEAMWIDTH 360°/25° ±5°

POLARIZATION Vertical

IMPEDANCE 50 Ω

(* MECHANICAL SPECIFICATION

MATERIALS ABS, aluminum, PTFE

CONNECTOR TYPE RJ45

INGRESS PROTECTION IP68

160 x 160 x 240 mm

DIMENSIONS 6.3 x 6.3 x 9.45 inch

WEIGHT 1.5 kg 3.31 lbs

OPERATING TEMPERATURE

From -40°C to 75°C

From -40°F to 167°F

ENCLOSURE RECOMMENDED
TIGHTENING TORQUE

0.5 - 0.7 Nm



MAST DIAMETER

25-66 mm 0.98-2.60 inch

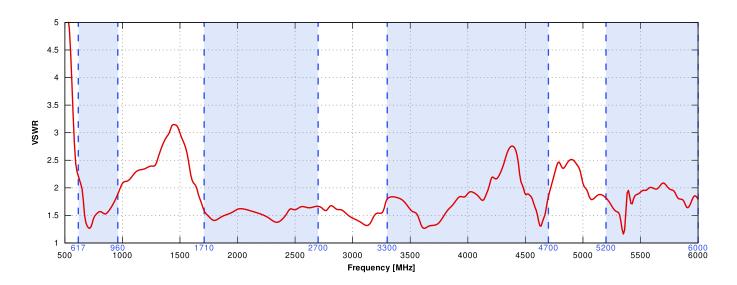
(* FREQUENCY BANDS

| | 617 MHz | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 4300 MHz |
|----------|------------|------|------|-----|-----|-----|-----|------|-------------|
| | | 9 | 10 | 12 | 13 | 14 | 17 | 18 | |
| | | 19 | 20 | 22 | 25 | 26 | 27 | 28 | |
| LTE / 4G | | 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 | | |
| | 617 MHz | n1 | n2 | n3 | n5 | n7 | n8 | n12 | 4300 MHz |
| | | n13 | n14 | n18 | n20 | n25 | n26 | n28 | |
| | | n29 | n30 | n34 | n38 | n39 | n40 | n41 | |
| 5G | | n48 | n53 | n65 | n66 | n67 | n71 | n77 | |
| | | n78 | n80 | n81 | n82 | n83 | n84 | n85 | |
| | | n86 | n89 | n90 | n95 | n97 | n98 | n100 | |
| | | n101 | n256 | | | | | | |

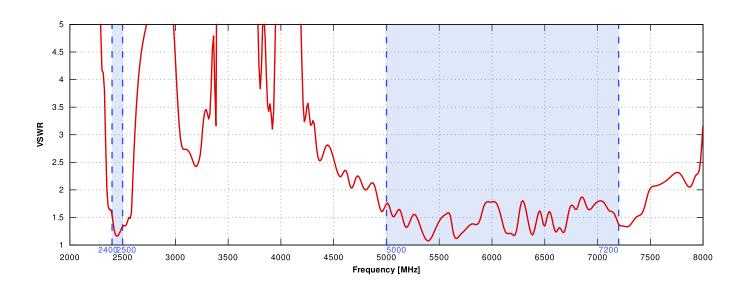


(* PLOTS

VSWR for 5G/LTE antenna

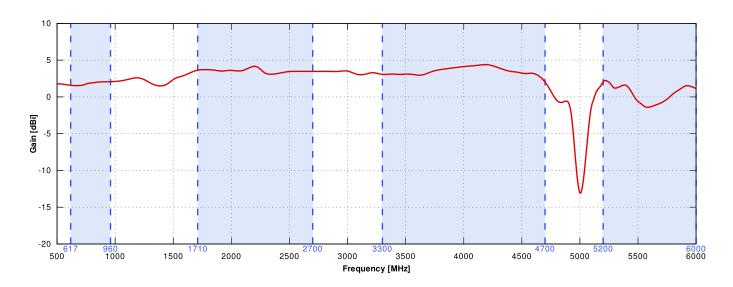


VSWR for Wi-Fi antenna

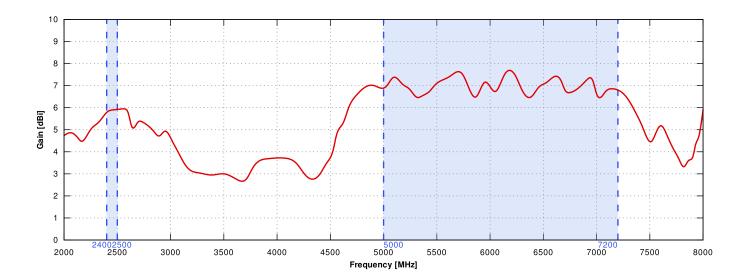




Gain for 5G/LTE antenna

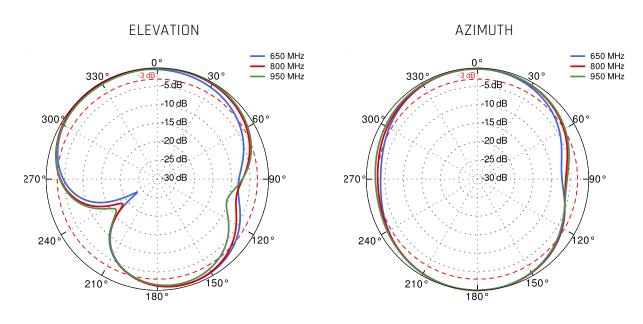


Gain for Wi-Fi antenna

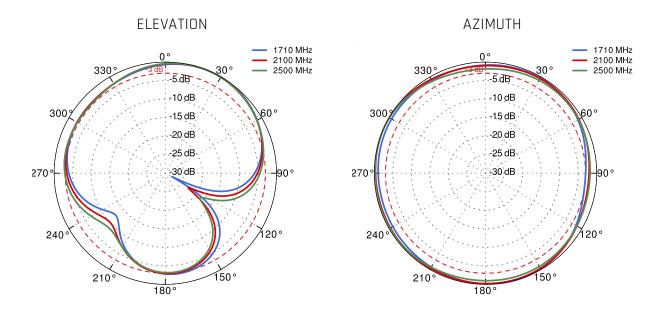




5G/LTE from 650MHz to 950MHz

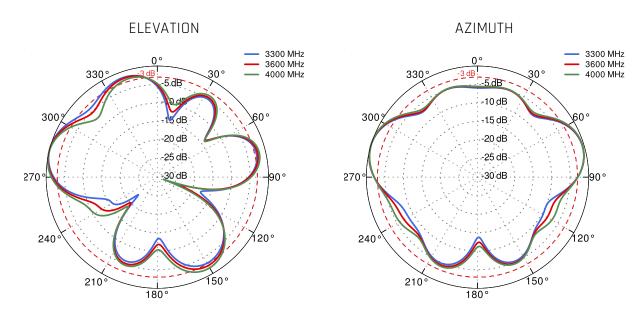


5G/LTE from 1,71GHz to 2,5GHz

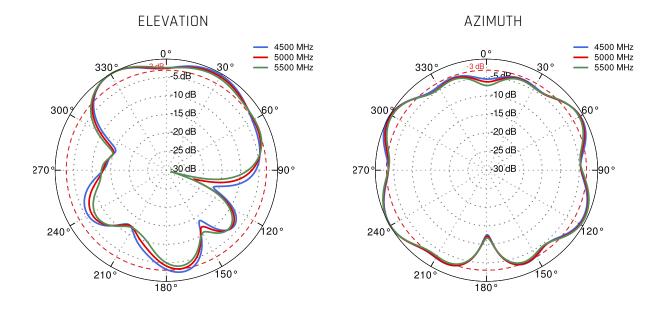




5G/LTE from 3.3GHz to 4.0GHz

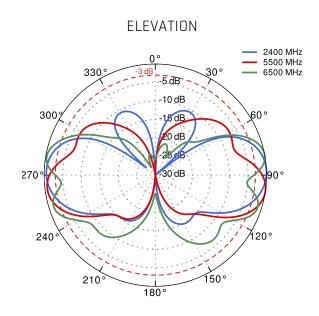


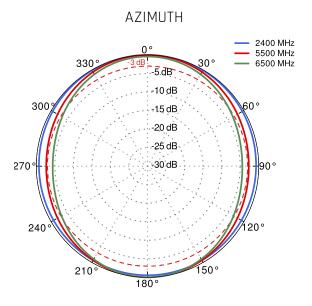
5G/LTE from 4.5GHz to 5.5GHz



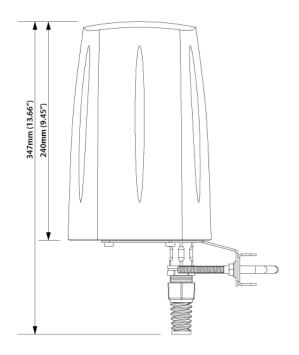


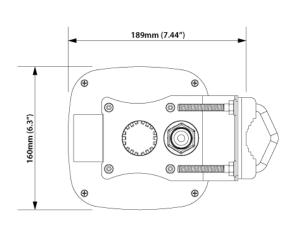
Wi-Fi 2.4 GHz and 5 GHz





(* DIMENSIONS







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