

# QuWave Lite for Teltonika

## RUTX50/RUTM51/RUTM54/RUTM55

**INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI ANTENNA + GPS ANTENNA + PLACE TO INSTALL  
TELTONIKA RUTX50/RUTM51/RUTM54/RUTM55 (ALL-IN-ONE)**

**QuWave Lite for Teltonika RUTX50/RUTM51/RUTM54/RUTM55** is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for RUTX50/RUTM51/RUTM54/RUTM55 router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments. This all-in-one unit integrates high-gain omnidirectional **5G, Wi-Fi and GPS antennas** with Teltonika router into a compact, rugged **IP67-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions. Engineered for outdoor and mobile applications, **QuWave Lite** is ideal for use in transportation systems, for underground connectivity or urban and public installations.

**5G****617-6000MHz****4 dBi****Wi-Fi 6E****2.4GHz + 5GHz  
6GHz + 7GHz****OMNI  
DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN **ANY  
WEATHER CONDITIONS, IP67**



ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



MADE IN **EUROPE**



## 5G/LTE SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 3.8 GHz 4.2 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 3 dBi 3.3 - 3.8 GHz : 3 dBi 4.2 - 6.0 GHz : 4 dBi
<b>SUPPORTED LTE BANDS</b>	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, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
<b>SUPPORTED 5G BANDS</b>	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n255
<b>VSWR</b>	<1.20, max <2.50
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## WI-FI SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5 - 7.2 GHz
<b>GAIN</b>	2.4 - 2.5 GHz: 2dBi 5 - 7.2 GHz: 5dBi
<b>VSWR</b>	< 2.50
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>MAX INPUT POWER</b>	50W
<b>DC GROUND</b>	Yes

## MECHANICAL SPECIFICATION

<b>MATERIAL</b>	ABS
<b>CONNECTOR</b>	QuRJ45
<b>OPERATING TEMPERATURE</b>	-40°C to 80°C -40°F to 176°F
<b>INGRESS PROTECTION</b>	IP67

## MOUNTING KIT

**MATERIAL**

Galvanized steel

**MOUNTING PLACE**

Wall or mast

**MAST DIAMETER**

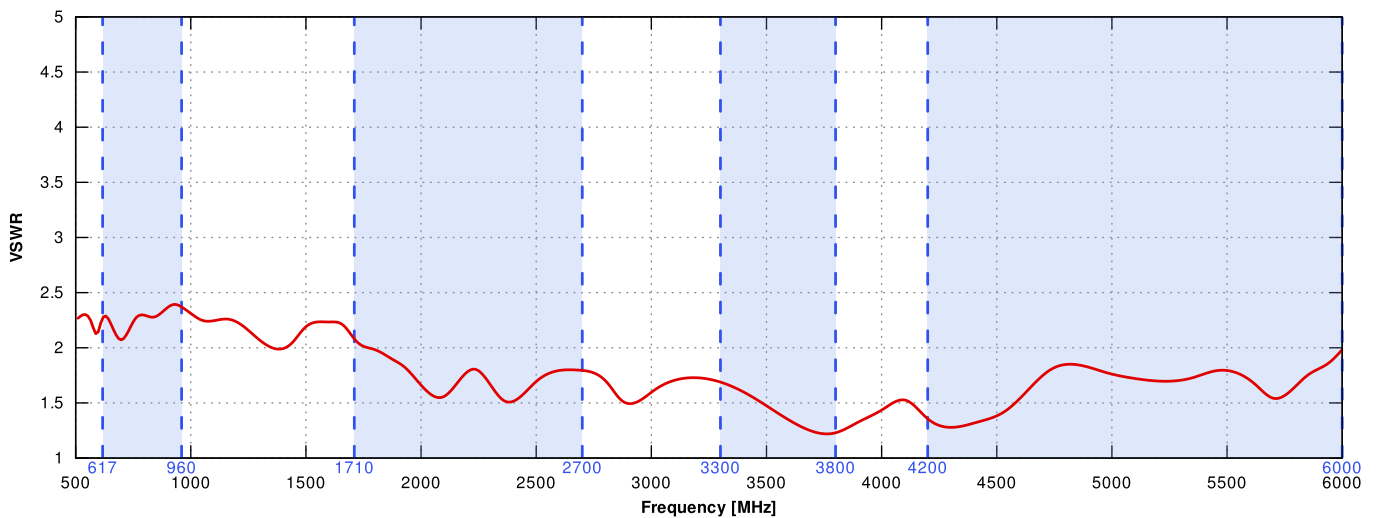
25-66 mm  
0.98-2.60 inch

## COMPATIBLE ROUTERS

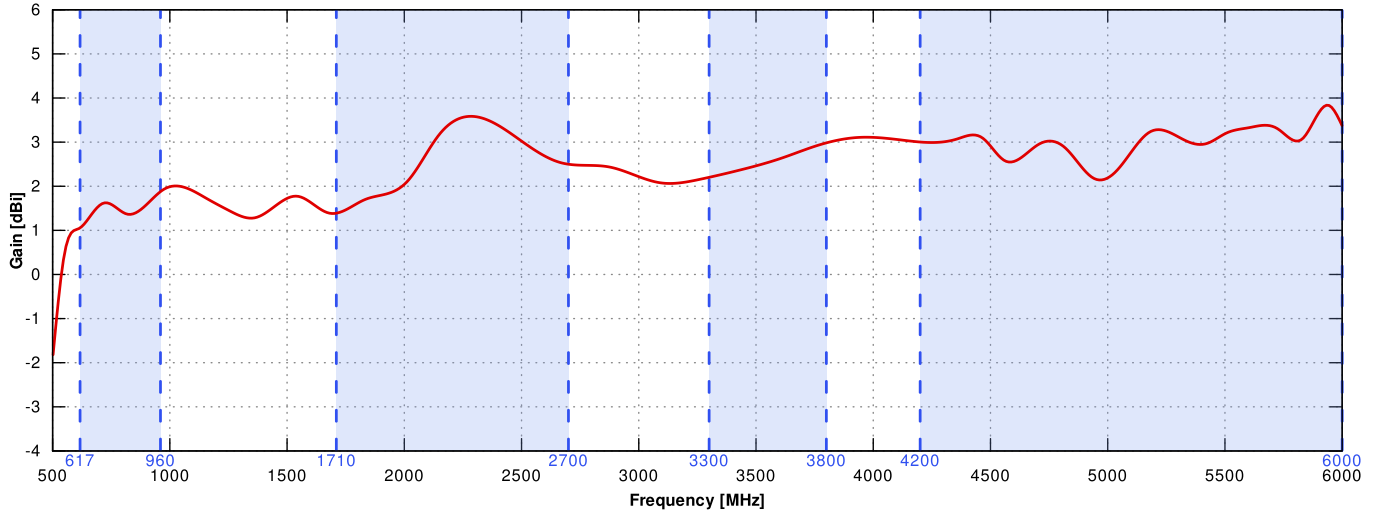
VARIANT: C\_AX50W545

## PLOTS

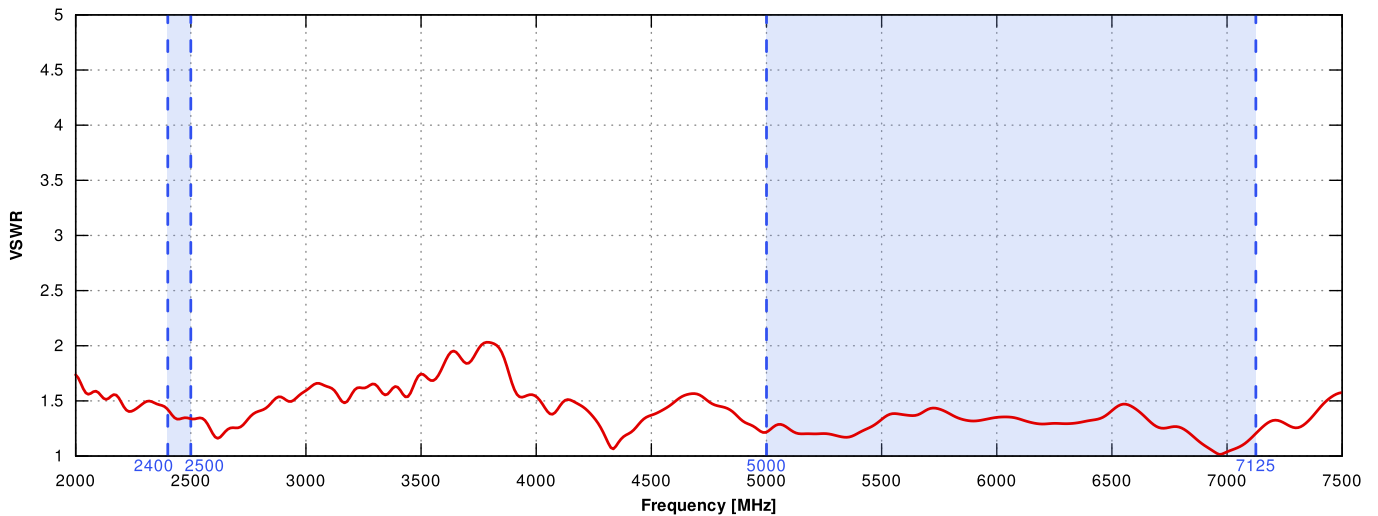
5G/LTE VSWR



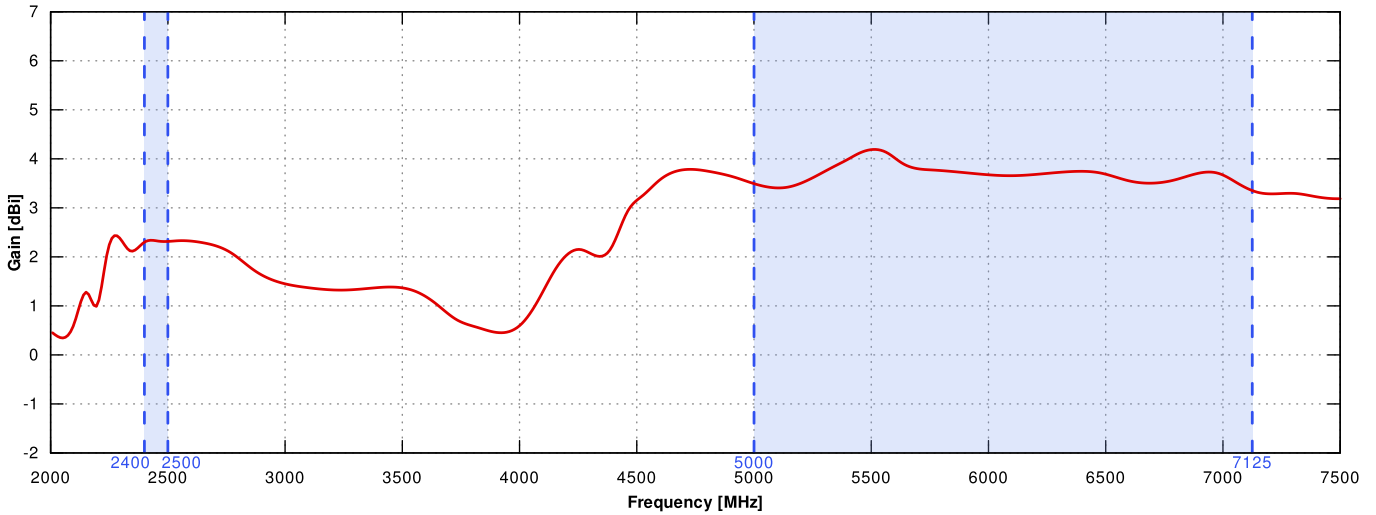
5G/LTE GAIN



Wi-Fi - V VSWR



Wi-Fi - V Gain



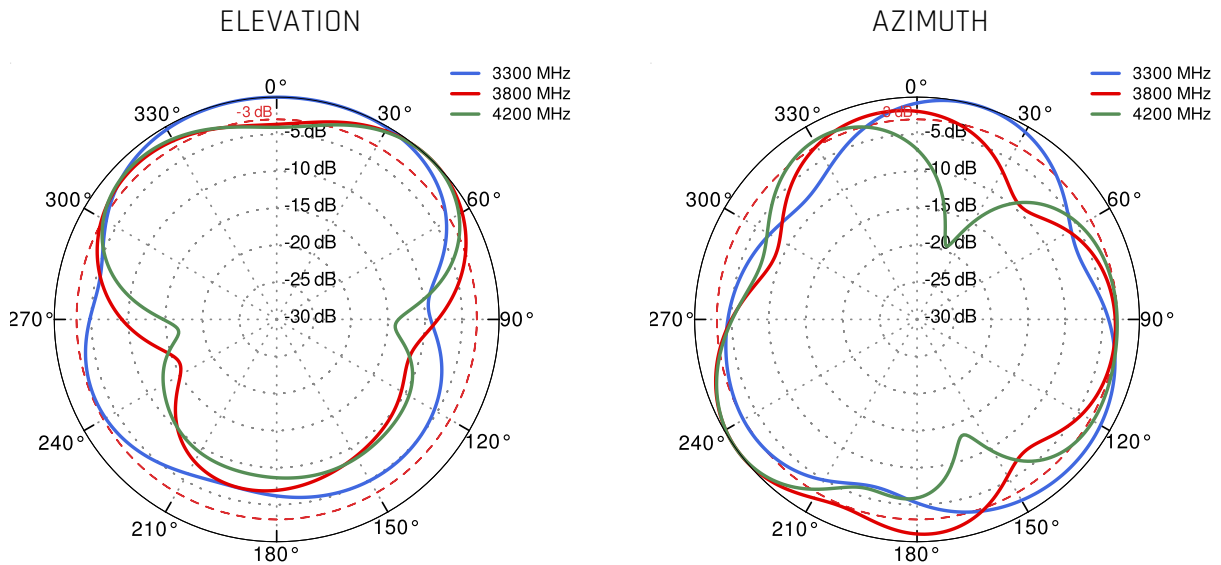
5G/LTE from 617MHz to 960MHz

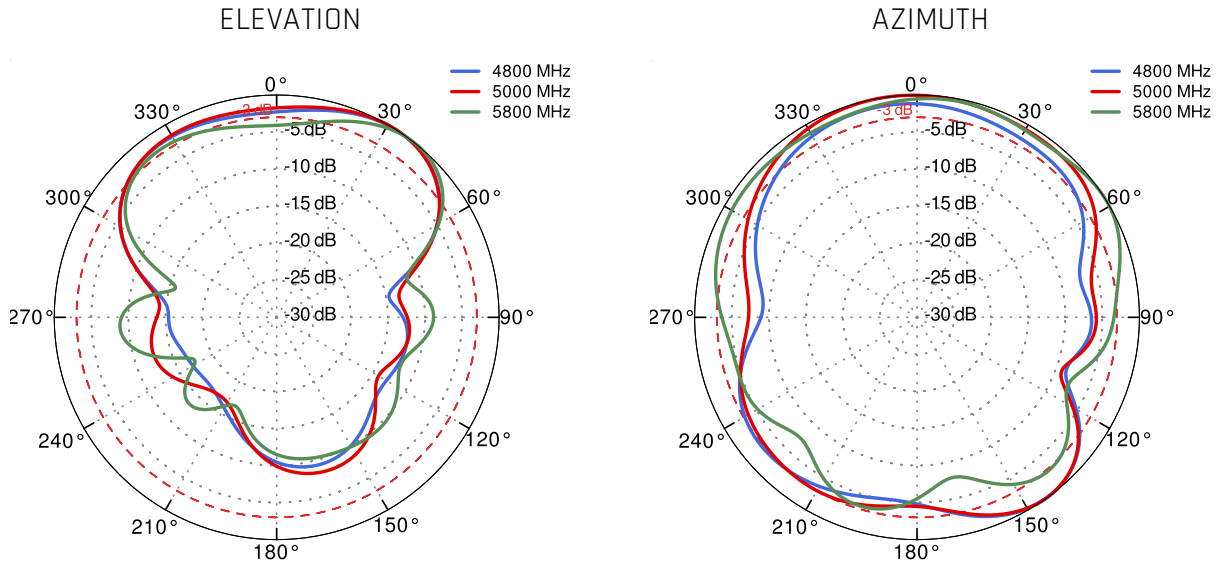


5G/LTE from 1.71GHz to 2.7GHz



5G/LTE from 3.3GHz to 4.2GHz



**5G/LTE from 4.8GHz to 5.8GHz**

**Wi-Fi V From 2.4 GHz to 6.5 GHz**
