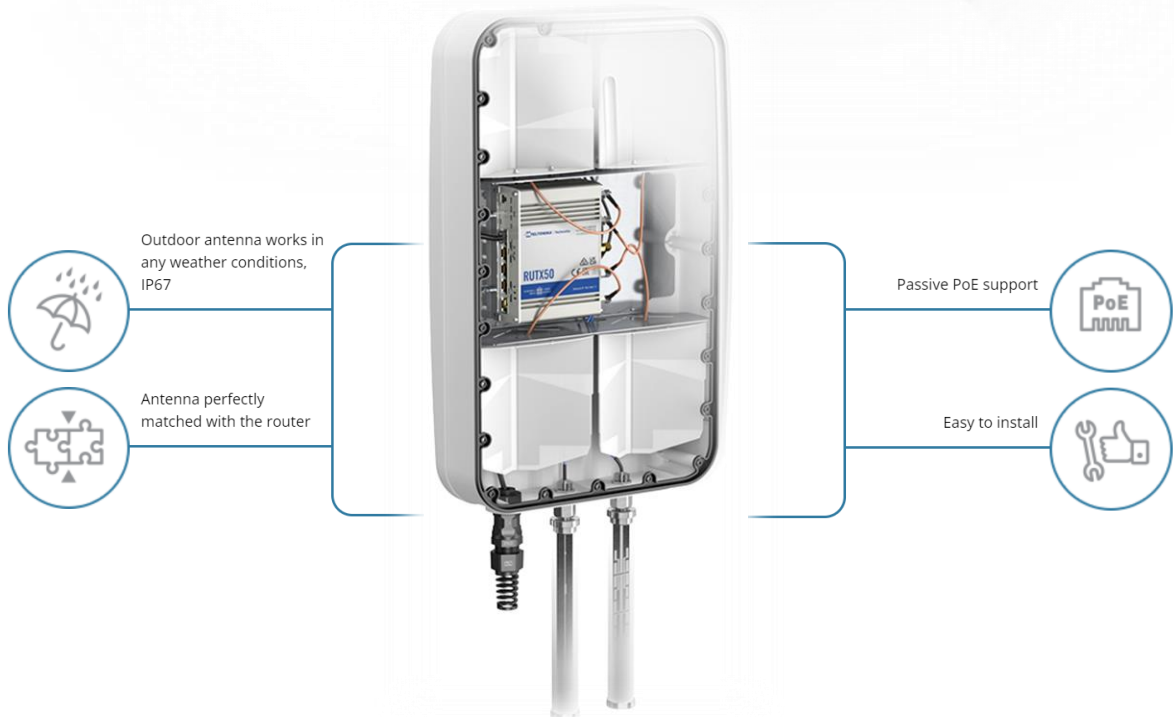


# QuMax Omni for Teltonika RUTX50

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

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the Teltonika RUTX50 router. The antenna covers a wide frequency range from 617MHz (Band71) to 3.8GHz. Apart from 5G, also Wi-Fi and GPS antennas are included, which means you get an all-in-one solution for your RUTX50. 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.

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



## OUTDOOR

Use Teltonika router wherever you want

## ANTENNA

Maximize your signal with QuWireless antennas

## SOLUTION

Plug Teltonika router and you are good to go

## LTE & 5G SPECIFICATION

FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.2 GHz 2.3 - 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/5G bands	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 59, 62, 65, 66, 67, 68, 69, 71, 85, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

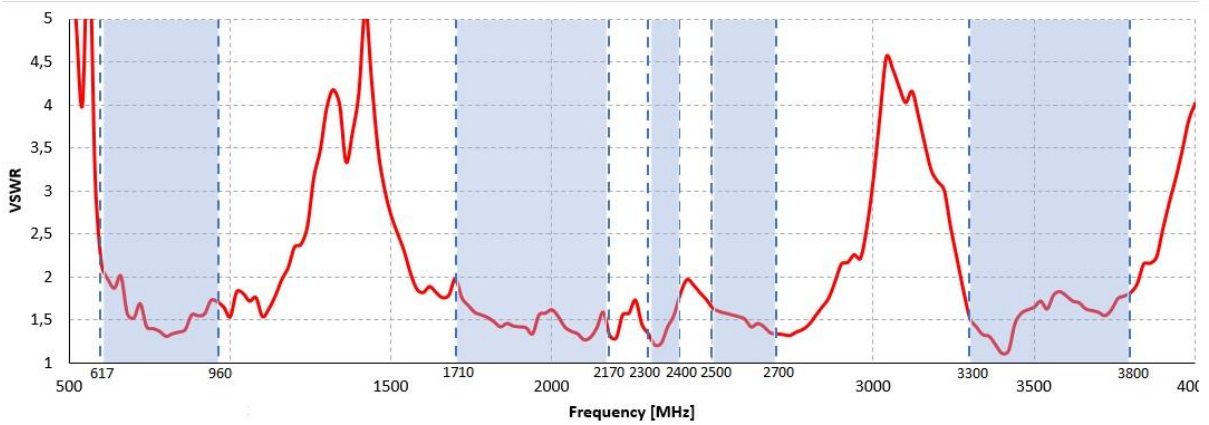
## WI-FI SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 4.70 - 6.00 GHz
GAIN	2.40 - 2.50 GHz: 6 dBi 4.70 - 6.00 GHz: 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

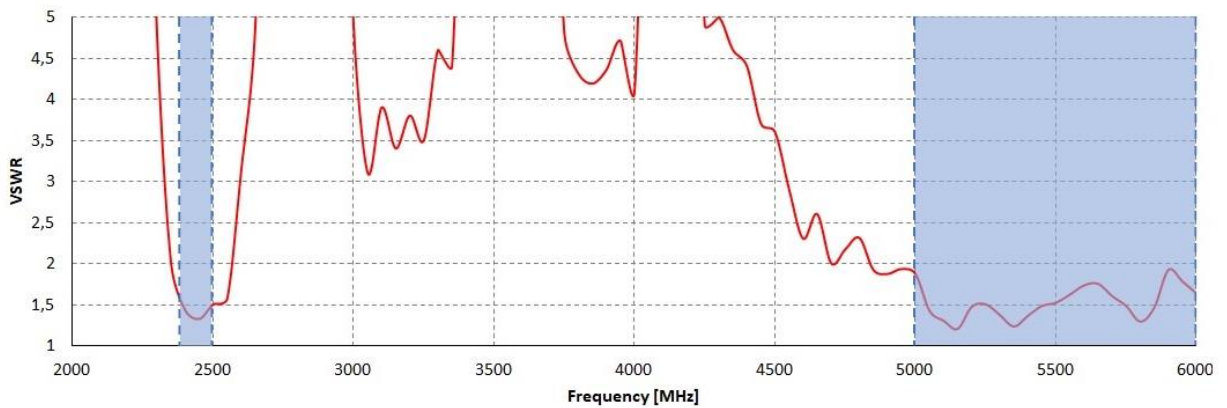
## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
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 75°C From -40°F to 167°F

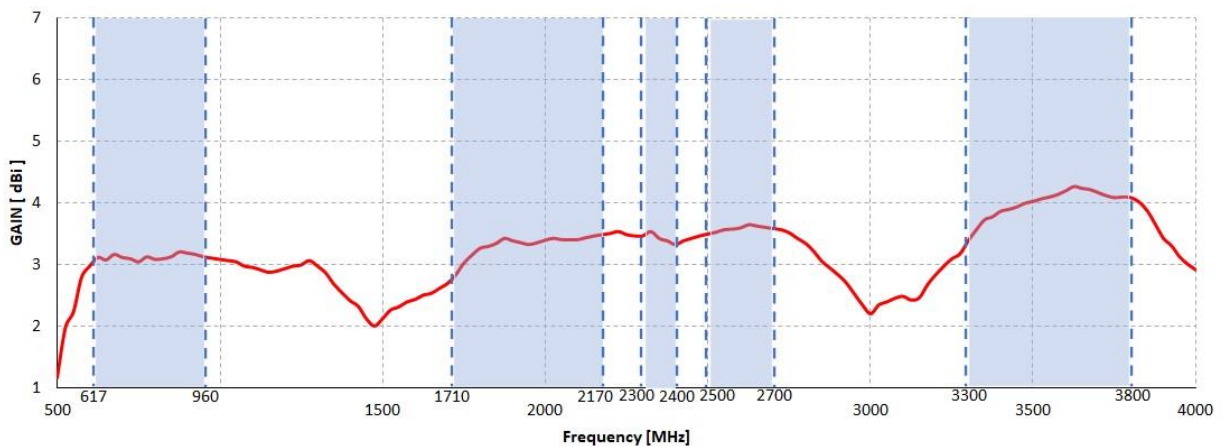
### VSWR for LTE & 5G antenna



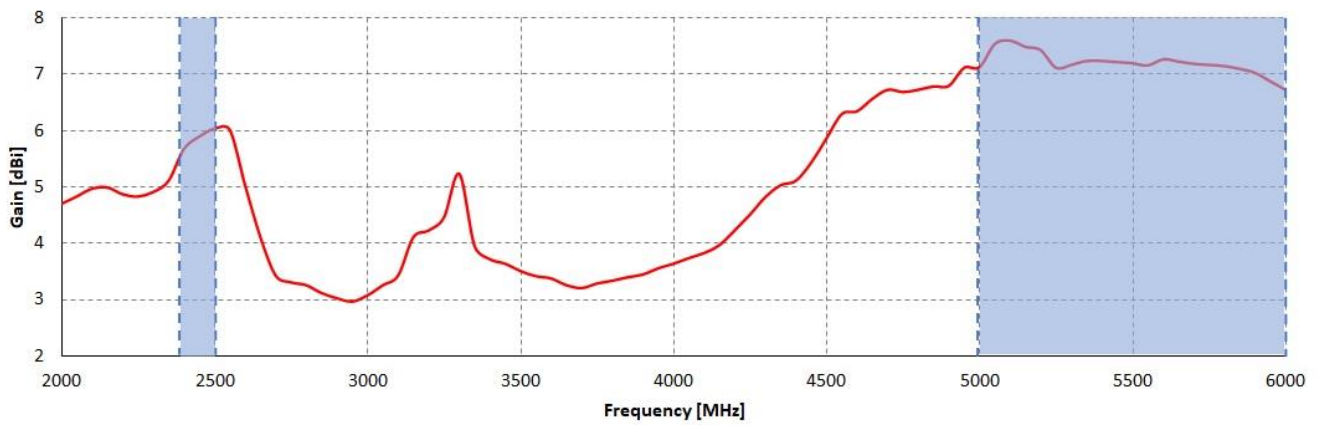
### VSWR for Wi-Fi antenna



### GAIN for LTE antenna

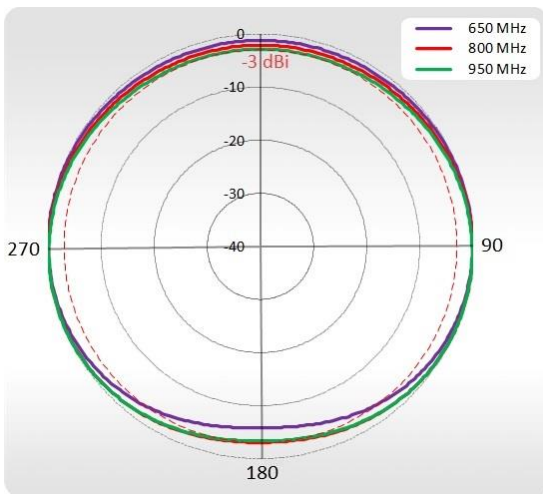


## GAIN for Wi-Fi antenna

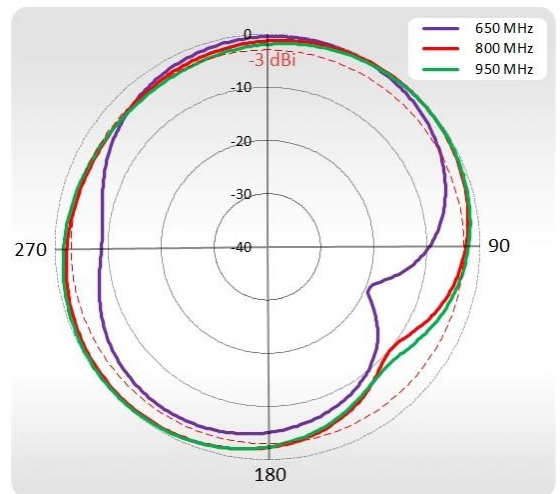


## PLOTS

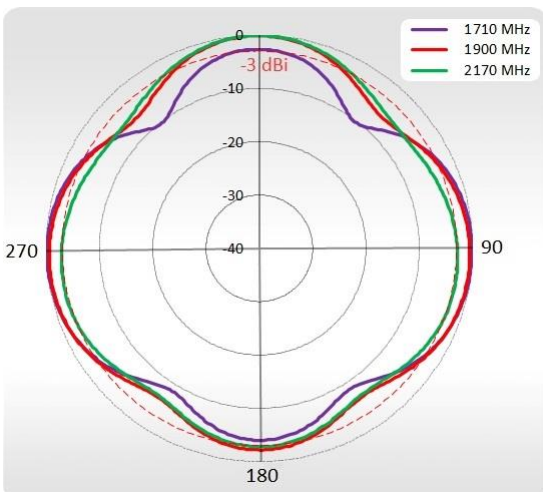
### 650-950 MHz Elevation



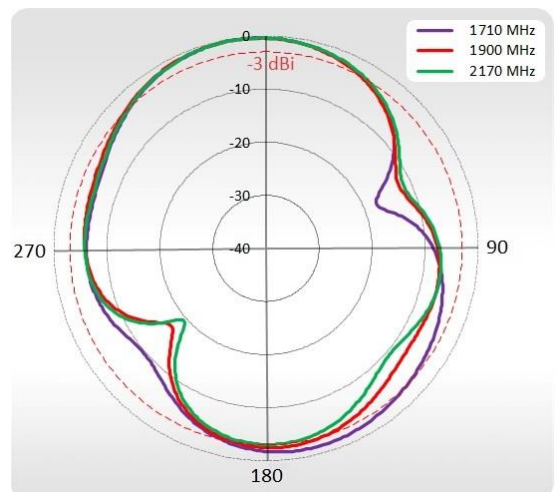
### 650-950 MHz Azimuth



### 1710-2170 MHz Elevation



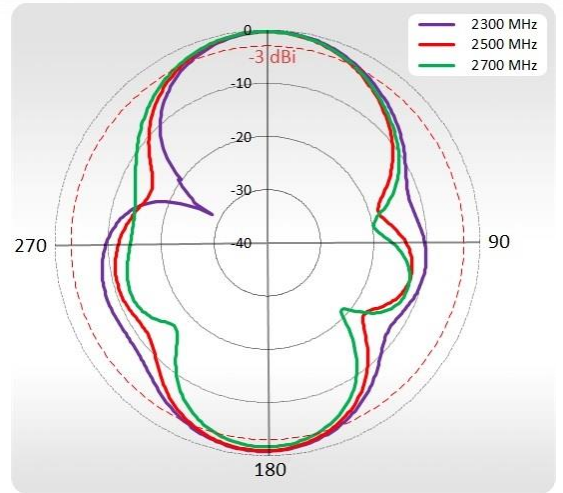
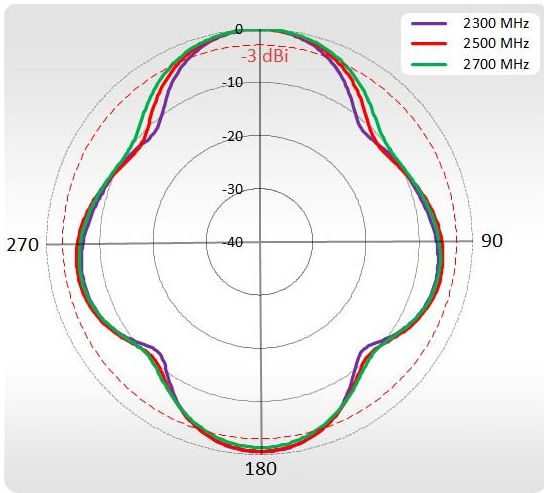
### 1710-2170 MHz Azimuth





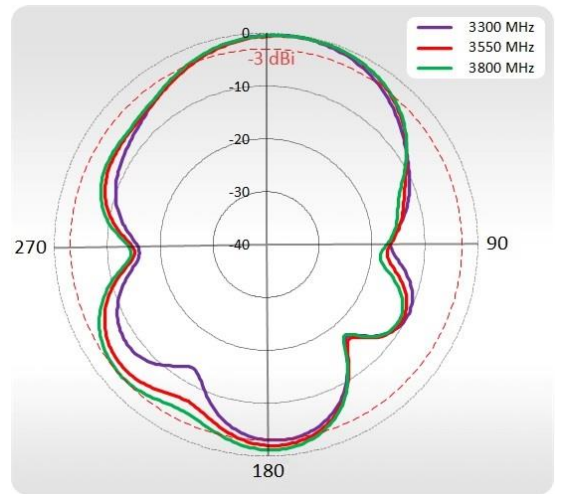
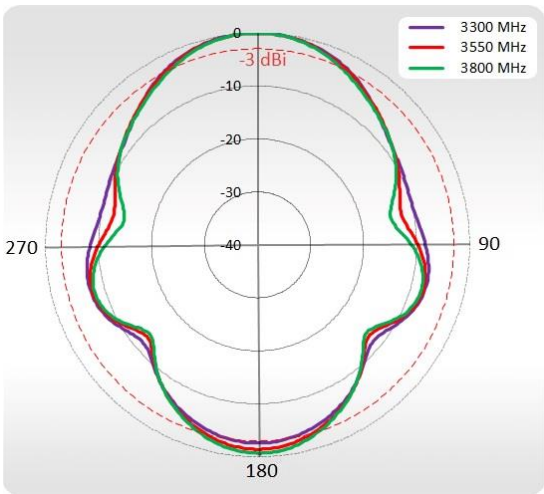
2300-2700 MHz Elevation

2300-2700 MHz Azimuth



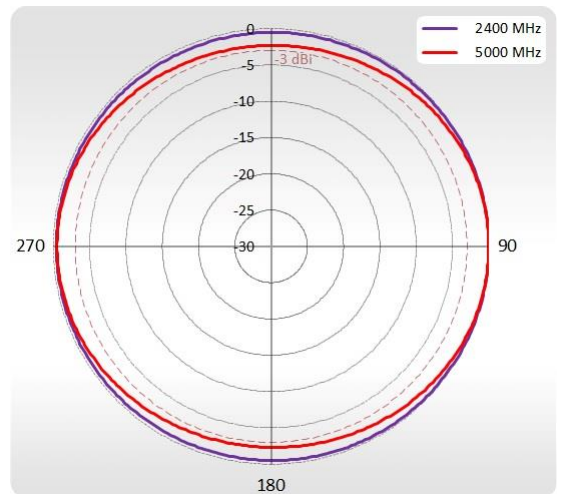
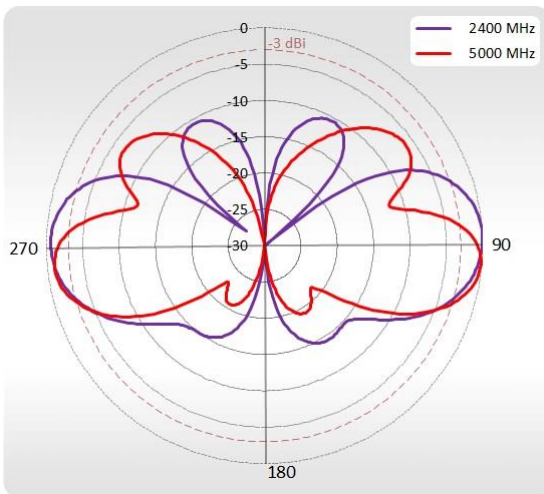
3300-3800 MHz Elevation

3300-3800 MHz Azimuth



Wi-Fi Elevation

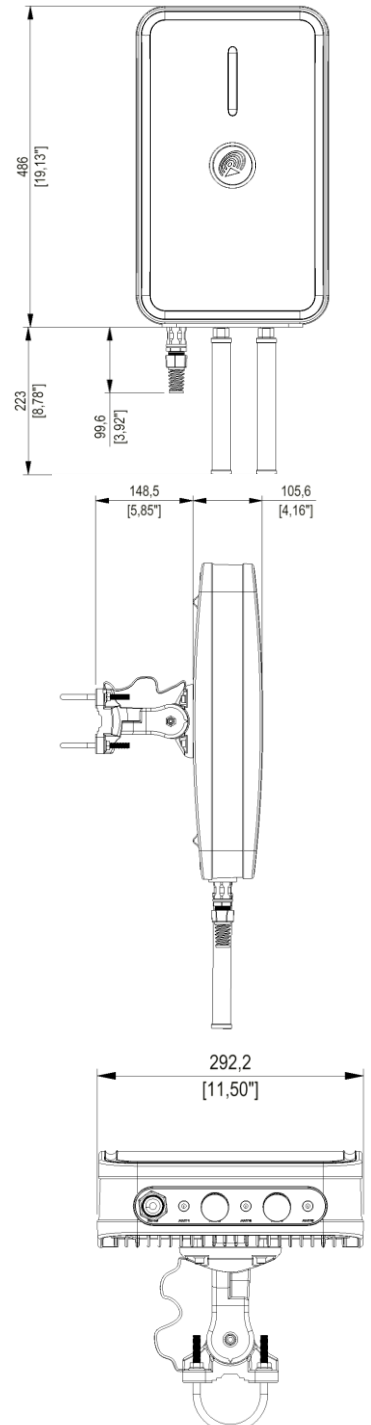
Wi-Fi Azimuth



**DEVICE SPECIFICATION**
**DIMENSIONS**
**Teltonika RUTX50**


- RUTX50 is your future-proof, multi-network industrial router, offering 5G mobile communication for high-speed and data-heavy applications.
- 5G dual SIM cellular communication combined with 5 Gigabit Ethernet ports and dual-band Wi-Fi enables reliable ultra-low latency data transfer.
- The power of 5G technology, combined with a wide range of interfaces and industrial hardware features, ensures adaptability for future upgrades and expansions.
- RUTX50 comes with the RutOS, which provides advanced security features and specialized industrial protocols for a wide range of professional application scenarios, and is compatible with our Remote Management System (RMS), for optimized remote management and monitoring capabilities of large fleets of devices.

[Teltonika RUTX50 Datasheet](#)


**HEADQUARTER:**

Wireless Instruments sp. z o.o.  
ul. Kościuszki 27  
52-116 Iwiny  
POLAND

[sales@quwireless.com](mailto:sales@quwireless.com)  
tel 1. +48 601 366 369  
tel 2. +48 577 667 761  
[www.quwireless.com](http://www.quwireless.com)