

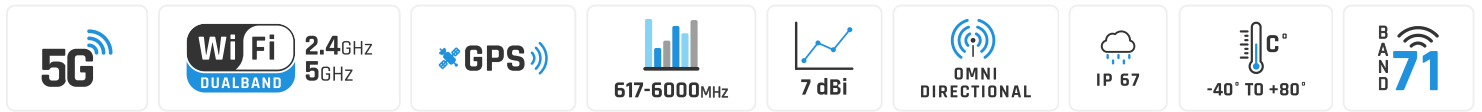
# Industrial Gateway 5G/Wi-Fi/GNSS

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

Industrial Gateway dedicated to use with the Teltonika RUTC50/RUTX50 router is an efficient external industrial gateway for professional applications. Gateway has built-in omnidirectional 5G/LTE, Wi-Fi and GNSS antennas. The device can be powered from the AC power grid, as well as powered via PoE 802.3af (it can be powered from only one power source at the same time).

The gateway also has a built-in PoE 802.3af splitter/converter required for the RUTC50/RUTX50 router.

**Made in Poland**



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

 ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER

 **802.3AF** POE SUPPORT

 MADE IN **EUROPE**



## 5G ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
<b>GAIN</b>	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
<b>SUPPORTED LTE BANDS</b>	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, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101
<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, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
<b>VSWR</b>	<2.00, max <2.50
<b>RADIATION</b>	360° horizontal 25° ±5° vertical
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## **WI-FI ANTENNA SPECIFICATION**

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.0 - 7.125 GHz
<b>GAIN</b>	2.4 - 2.5 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>RADIATION</b>	360° horizontal 25° ±5° vertical
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## **AC POWER SUPPLY ELECTRICAL INPUT SPECIFICATION**

<b>INPUT VOLTAGE</b>	88 ~ 264VAC
<b>INPUT FREQUENCY</b>	47 ~ 63Hz
<b>INPUT CURRENT</b>	0.7A/115VAC 0.4A/230VAC
<b>INRUSH CURRENT</b>	Max 15A
<b>AC LEAKAGE CURRENT</b>	<2mA / 240VAC
<b>EFFICIENCY</b>	85%
<b>PRE-FUSE</b>	pre-fuse 6A characteristic C
<b>PROTECTION CLASS</b>	Protection Class II DIN EN 61140 / DIN EN 62368-1

**EMC EMISSION**

DIN EN 55032 / EN55022

**EMC IMMUNITY**

DIN EN 55035 / EN61000-4-2,3,4,5,6,8,11

 **POE IN SPECIFICATION****POE IN**

802.3af active PoE (built-in dedicated converter/splitter from active PoE 802.3af to RUTC50/RUTX50 router)

**ETHERNET PORTS**

1x RJ-45 for PoE In/ethernet

 **MECHANICAL SPECIFICATION****MATERIALS**

ABS, aluminum, PTFE

**CONNECTOR TYPE**

1x RJ-45

1x AC power socket

Notes:

1. Unused plug connections are covered in accordance with protection standards (screw caps included)
2. All plug connections are protected against polarity reversal.
3. All plug connections are screwable

**INGRESS PROTECTION**

IP67

**DIMENSIONS**

207 x 207 x 260 mm

8.14 x 8.14 x 10.23 inch

**WEIGHT**

2.6 kg

5.73 lbs

**OPERATING TEMPERATURE**

From -40°C to 75°C

From -40°F to 167°F

**WIND LOAD**

170 km/h

**PRODUCT SAFETY & ENVIRONMENTAL**

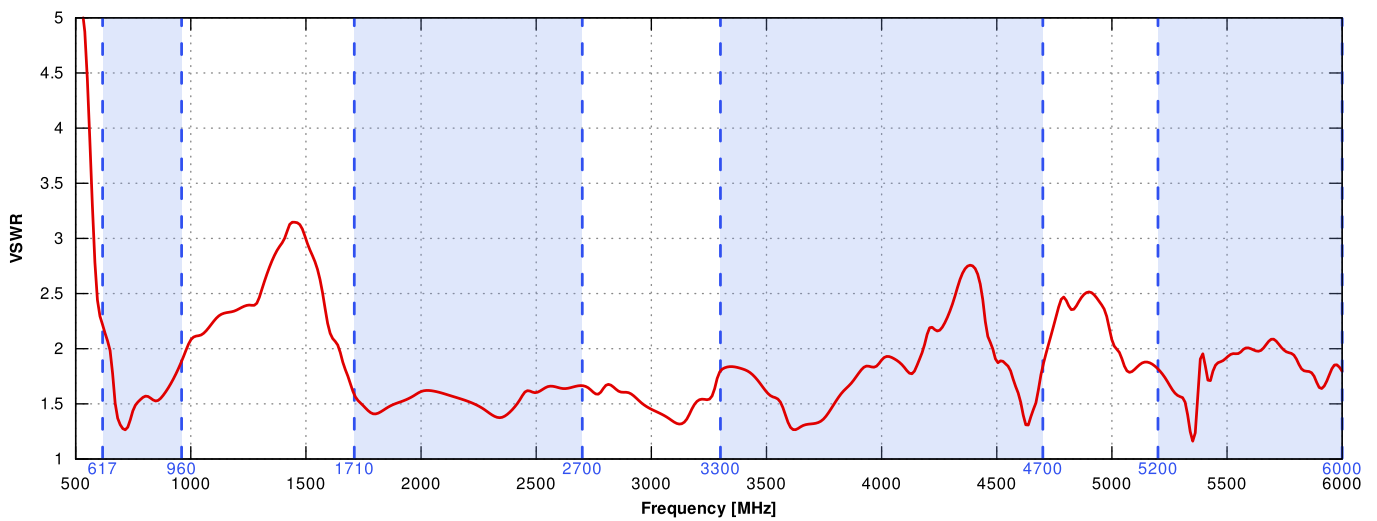
Complies with CE and RoHS standards

## **COMPATIBLE ROUTERS**

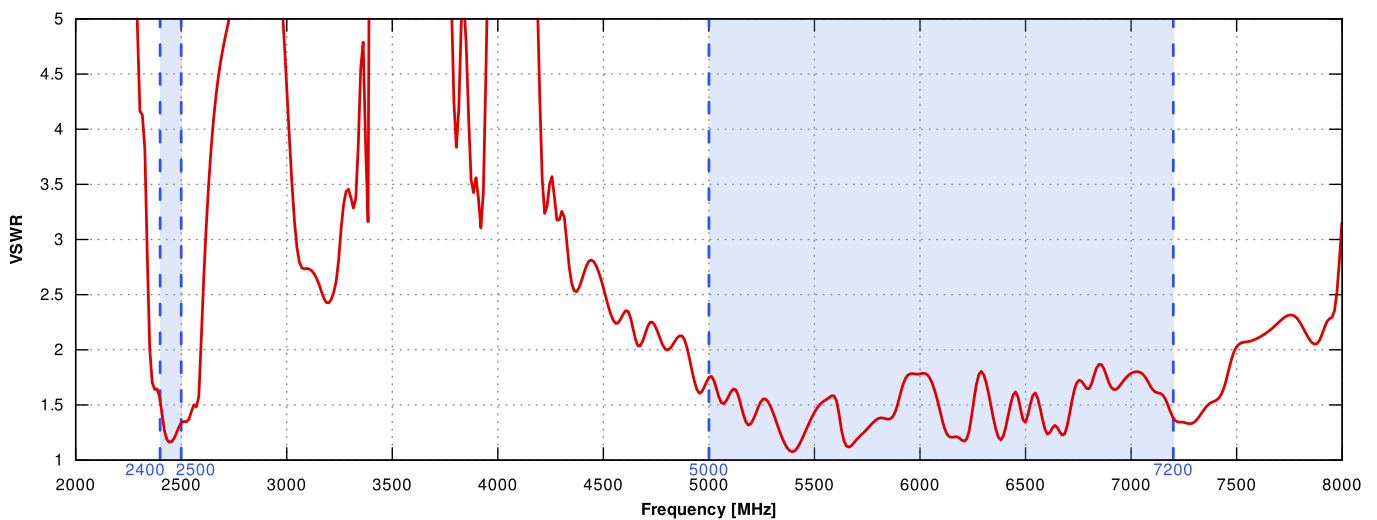
VARIANT: CX50PAC

## **PLOTS**

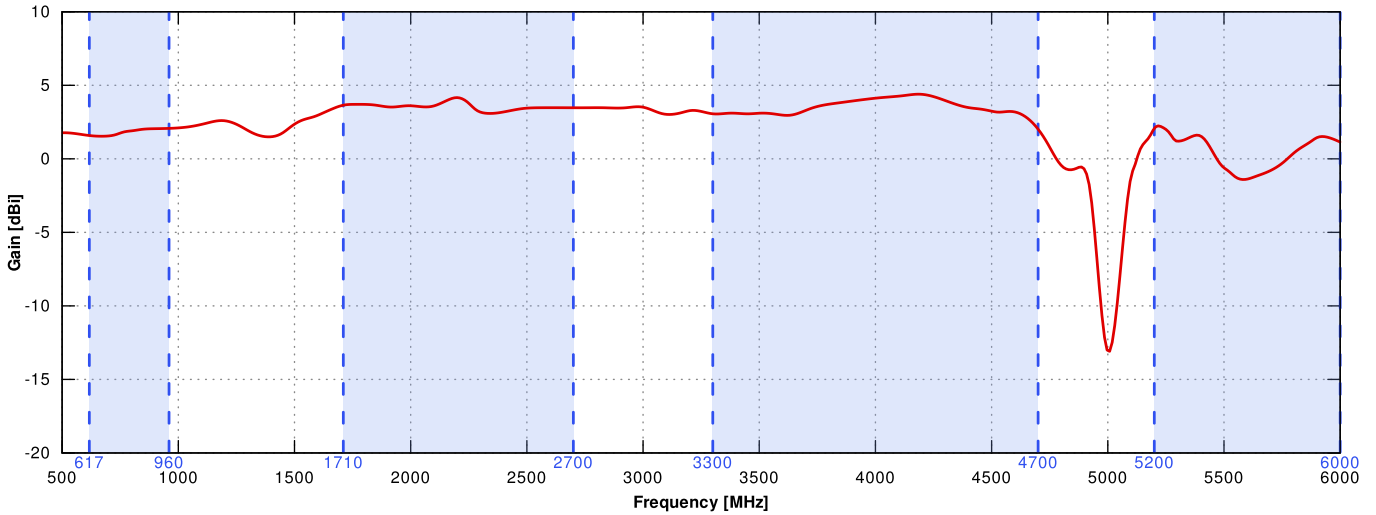
VSWR for 5G/LTE antenna



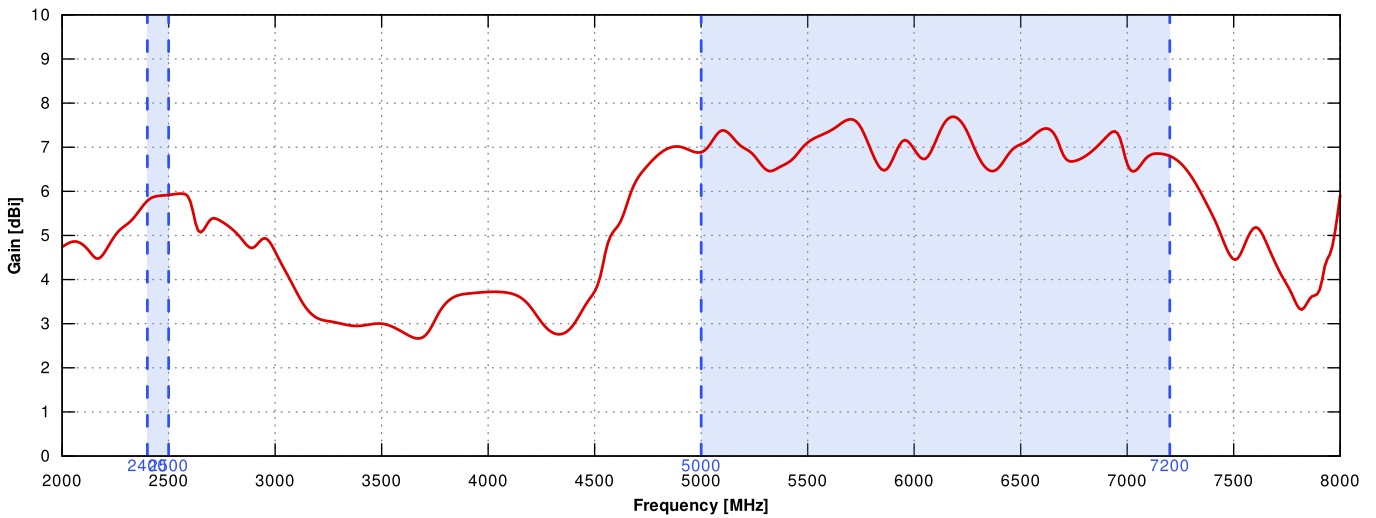
VSWR for Wi-Fi antenna



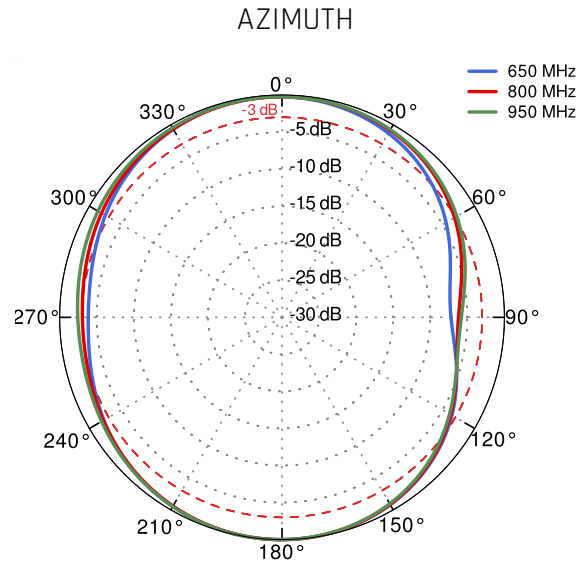
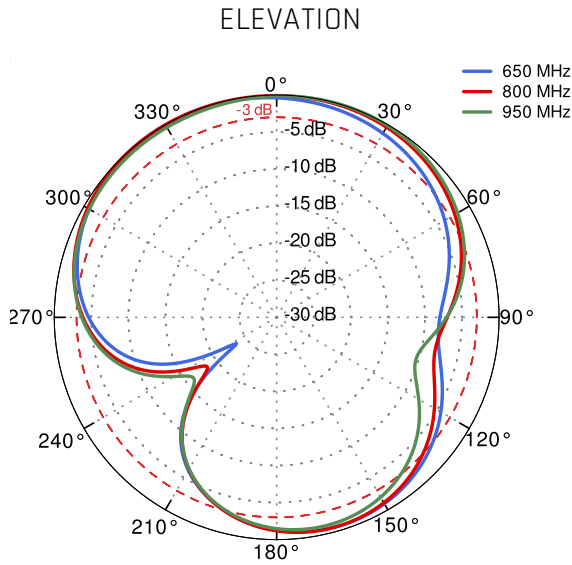
### Gain for 5G/LTE antenna



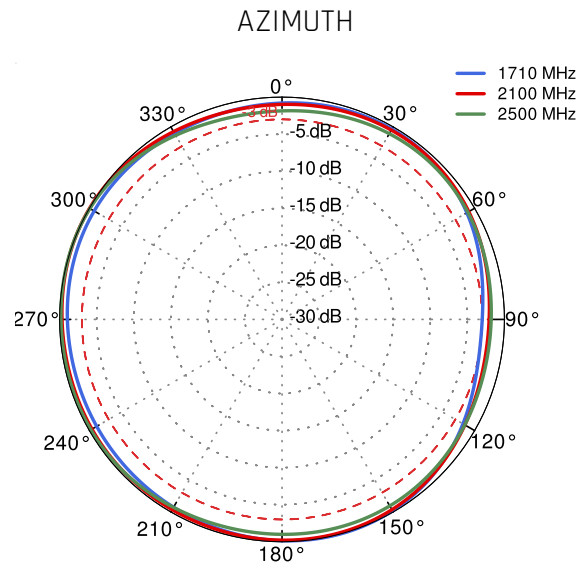
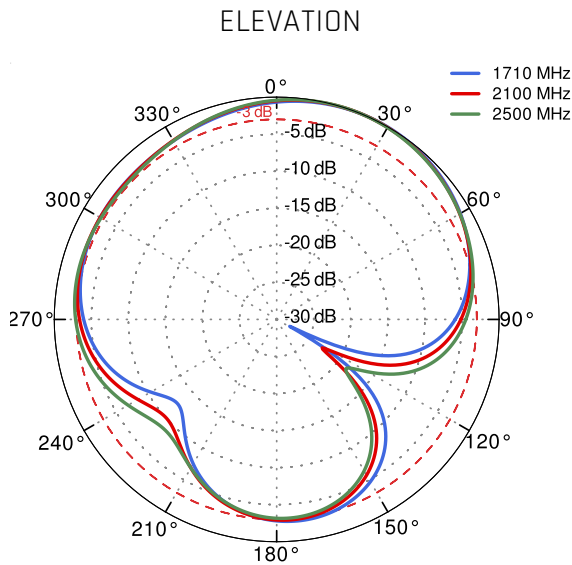
### Gain for Wi-Fi antenna



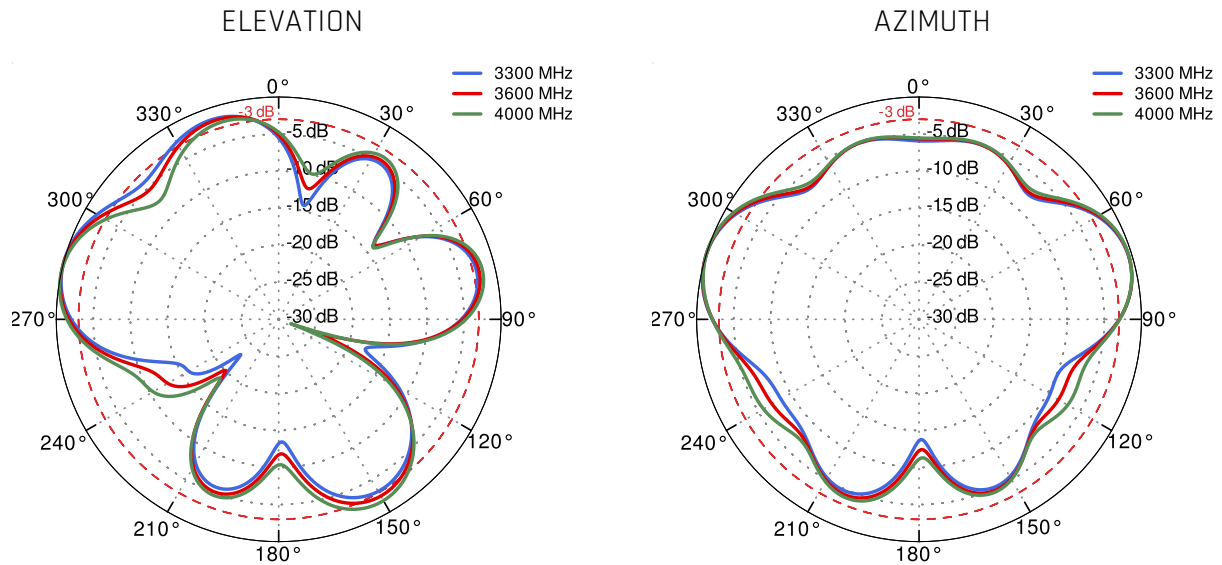
5G/LTE from 650MHz to 950MHz



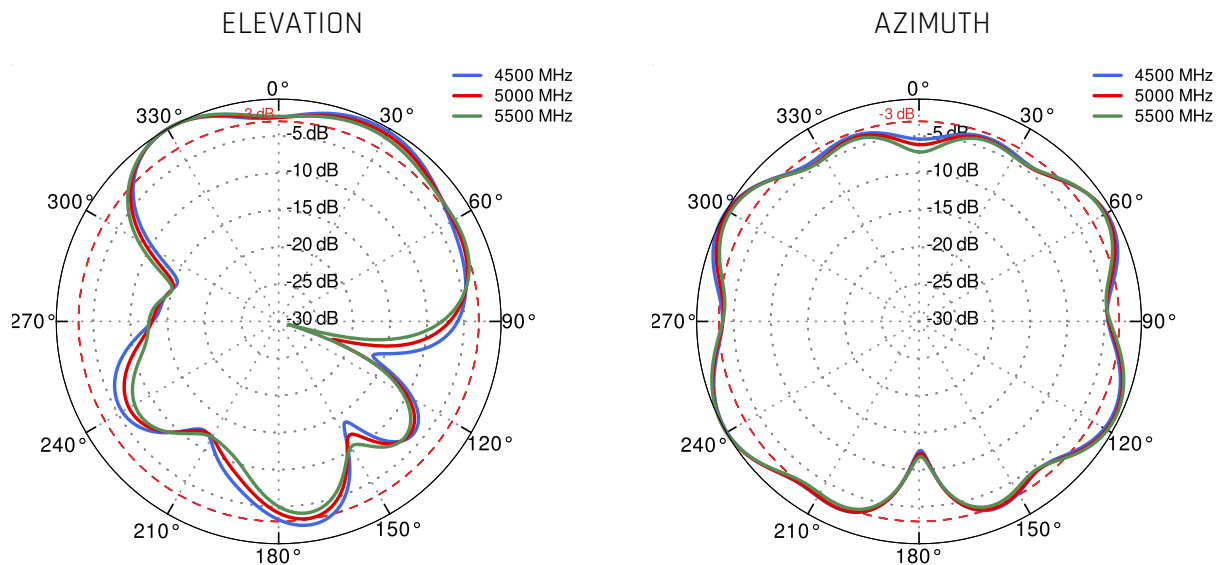
5G/LTE from 1.71GHz to 2.5GHz



### 5G/LTE from 3.3GHz to 4.0GHz



### 5G/LTE from 4.5GHz to 5.5GHz



## Wi-Fi 2.4 GHz and 5 GHz

