

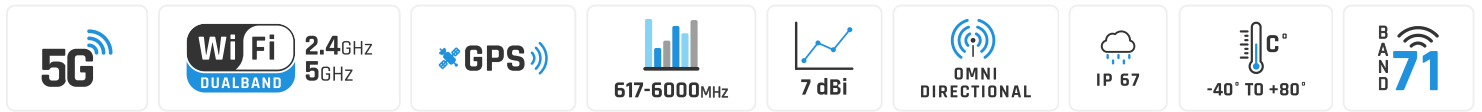
Industrial Gateway 5G/Wi-Fi/GNSS

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

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
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
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, n83, 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
VSWR	<2.00, max <2.50
RADIATION	360° horizontal 25° ±5° vertical
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI ANTENNA SPECIFICATION

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

AC POWER SUPPLY ELECTRICAL INPUT SPECIFICATION

INPUT VOLTAGE	88 ~ 264VAC
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	0.7A/115VAC 0.4A/230VAC
INRUSH CURRENT	Max 15A
AC LEAKAGE CURRENT	<2mA / 240VAC
EFFICIENCY	85%
PRE-FUSE	pre-fuse 6A characteristic C
PROTECTION CLASS	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

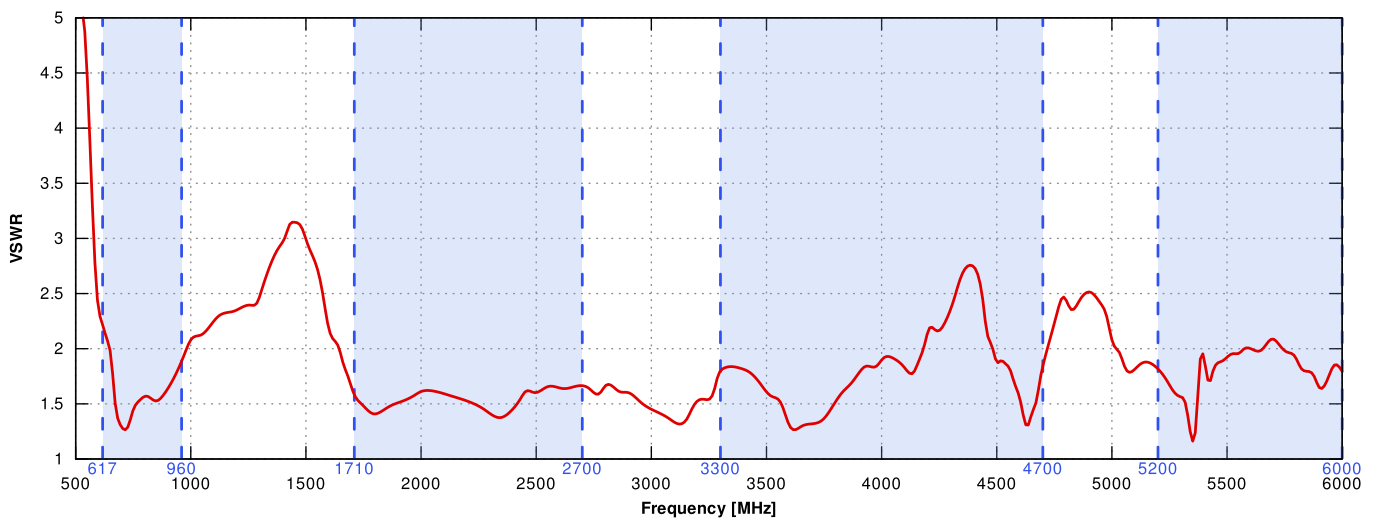
Complies with CE and RoHS standards

COMPATIBLE ROUTERS

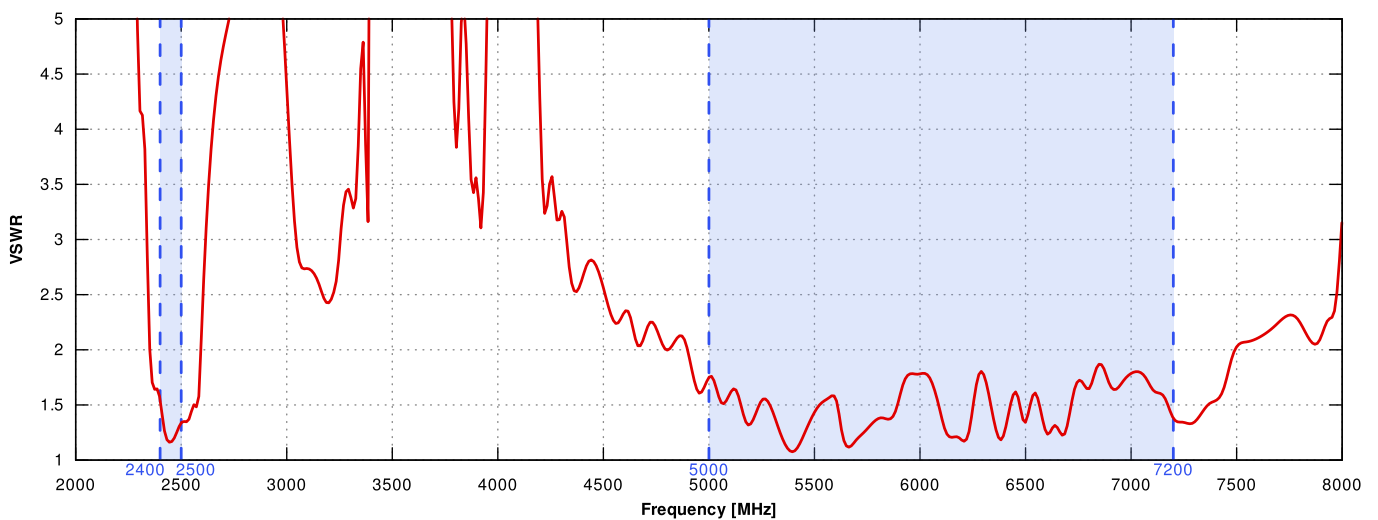
VARIANT: CX50PAC

PLOTS

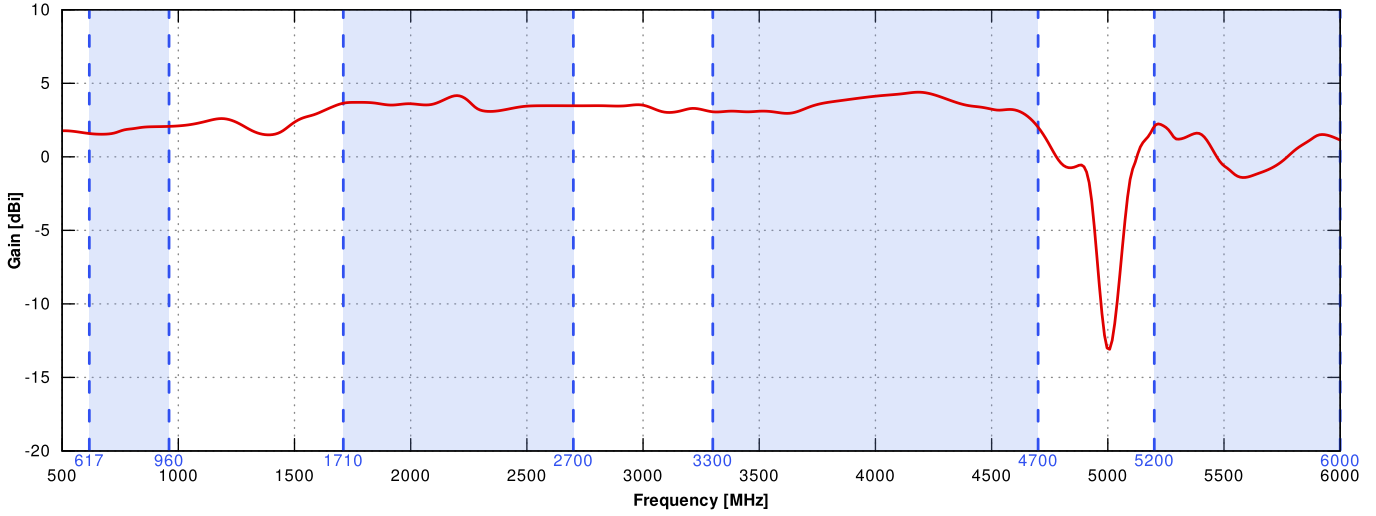
VSWR for 5G/LTE antenna



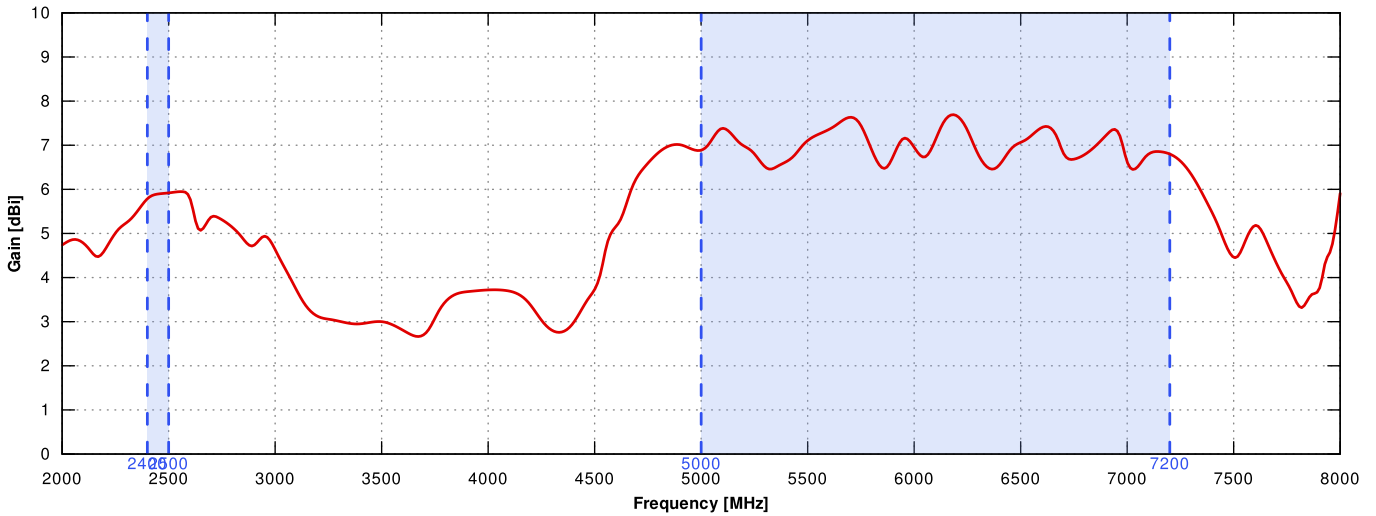
VSWR for Wi-Fi antenna



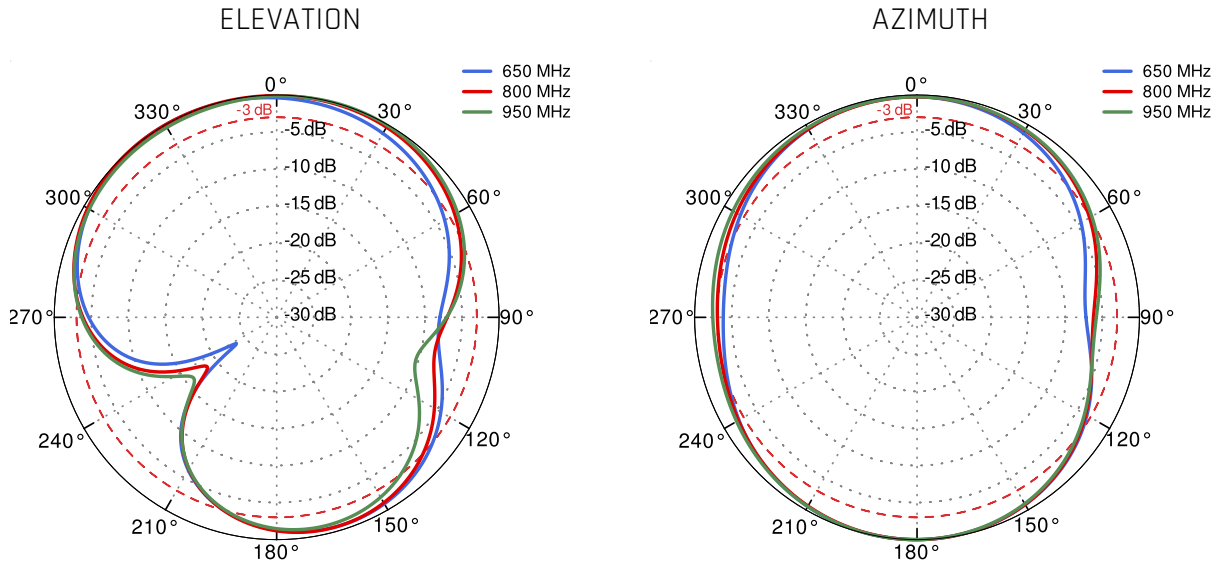
Gain for 5G/LTE antenna



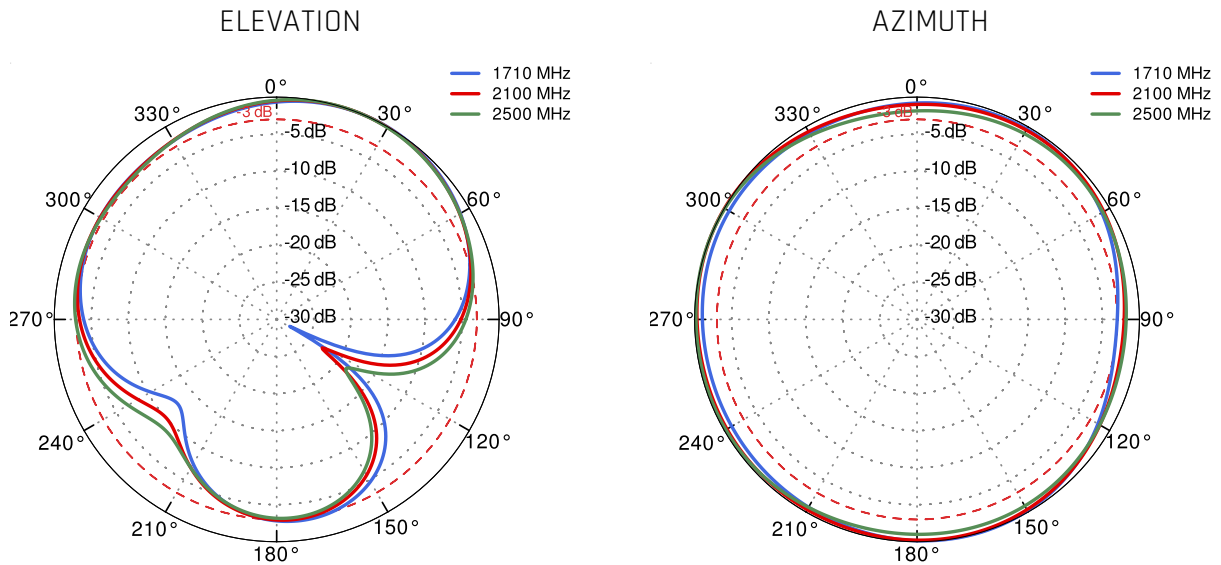
Gain for Wi-Fi antenna



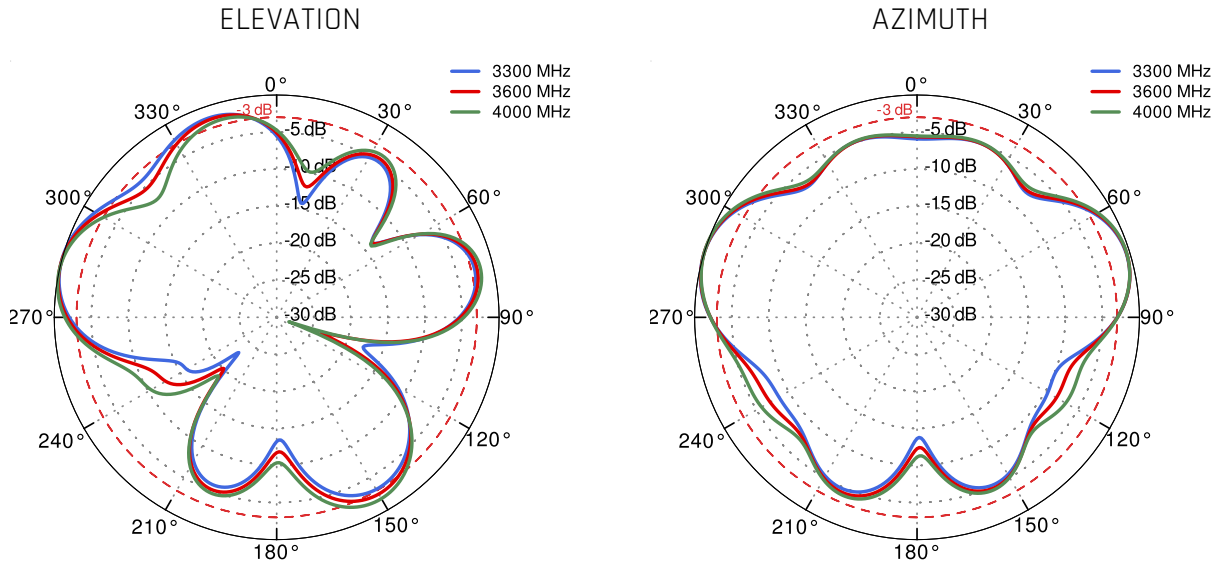
5G/LTE from 650MHz to 950MHz



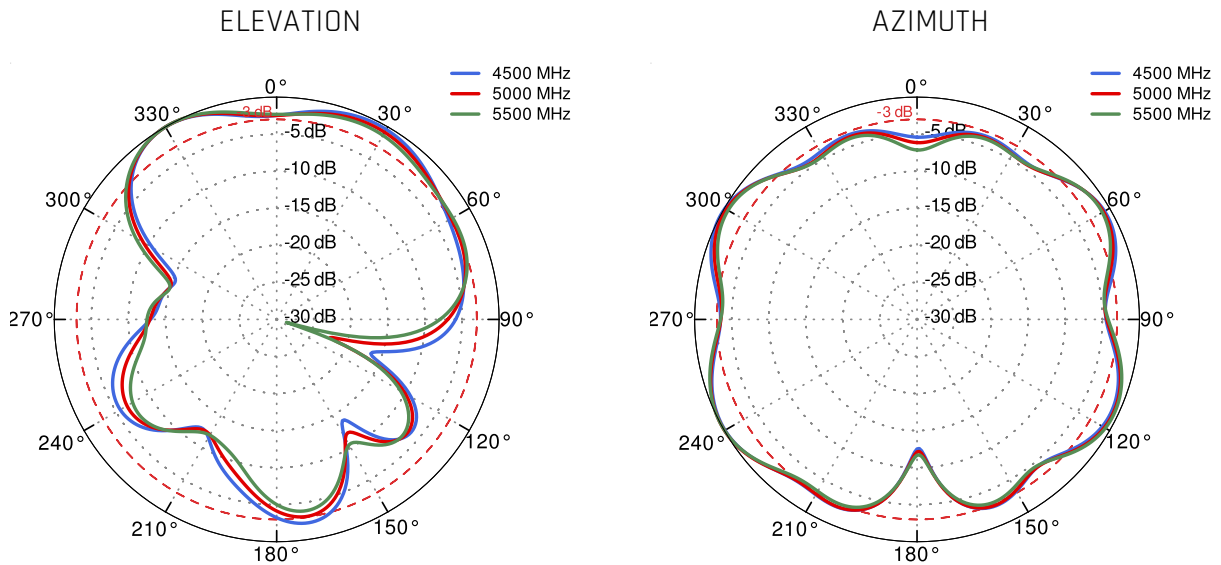
5G/LTE from 1.71GHz to 2.5GHz



5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



Wi-Fi 2.4 GHz and 5 GHz

