

QuWave AFAC for RUTX50

INTEGRATED MULTI-BAND 5G/LTE OMNI ANTENNA + WI-FI 6E OMNI ANTENNA + GPS ANTENNA + 802.3AT POE SPLITTER + AC POWER SUPPLY + PLACE TO INSTALL TELTONIKA RUTX50 (ALL-IN-ONE)

QuWave AFAC for RUTX50 is a perfect outdoor device for mobile and fixed installations like industrial, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded **omni 5G, omni Wi-Fi 6E and GPS antenna**. The device has RJ45 connector and a socket for AC power supply. If you use RUTX50 with QuWave antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

The set contains a [802.3at PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection. Using QuWireless splitter provides 3KA surge and lightning protection.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



ANTENNA PERFECTLY MATCHED WITH THE TELTONIKA RUTX50



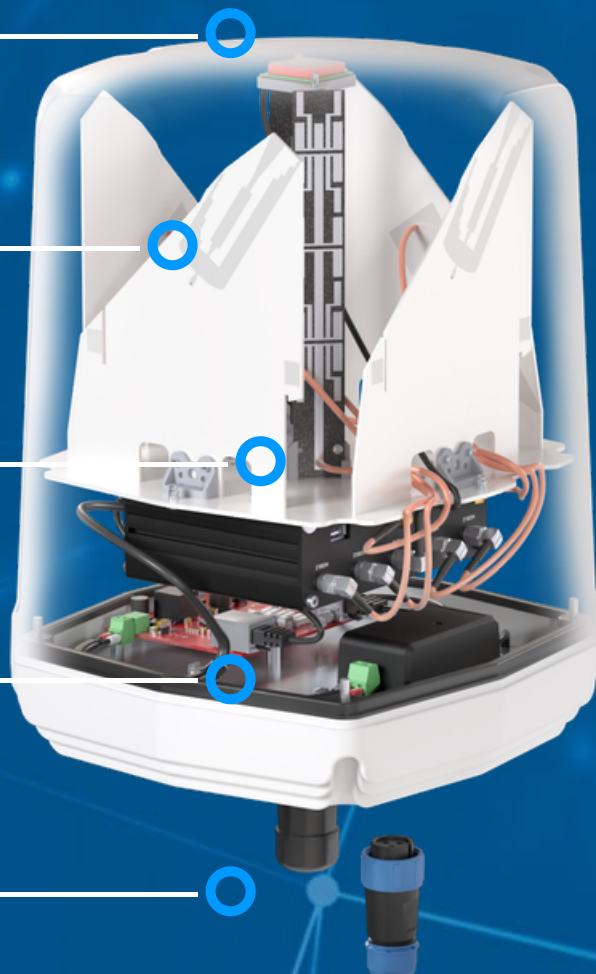
ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED IN ONE ENCLOSURE



GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET



MADE IN EUROPE



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.6 - 1.4 GHz 1.5 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.35 GHz
MAX. GAIN	0.6 - 1.4 GHz : 2.6 dBi 1.5 - 3.0 GHz : 4.2 dBi 3.0 - 5.0 GHz : 4.4 dBi 5.0 - 6.35 GHz : 2.1 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n105, n106, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
VSWR	< 1.50, max < 2.00
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

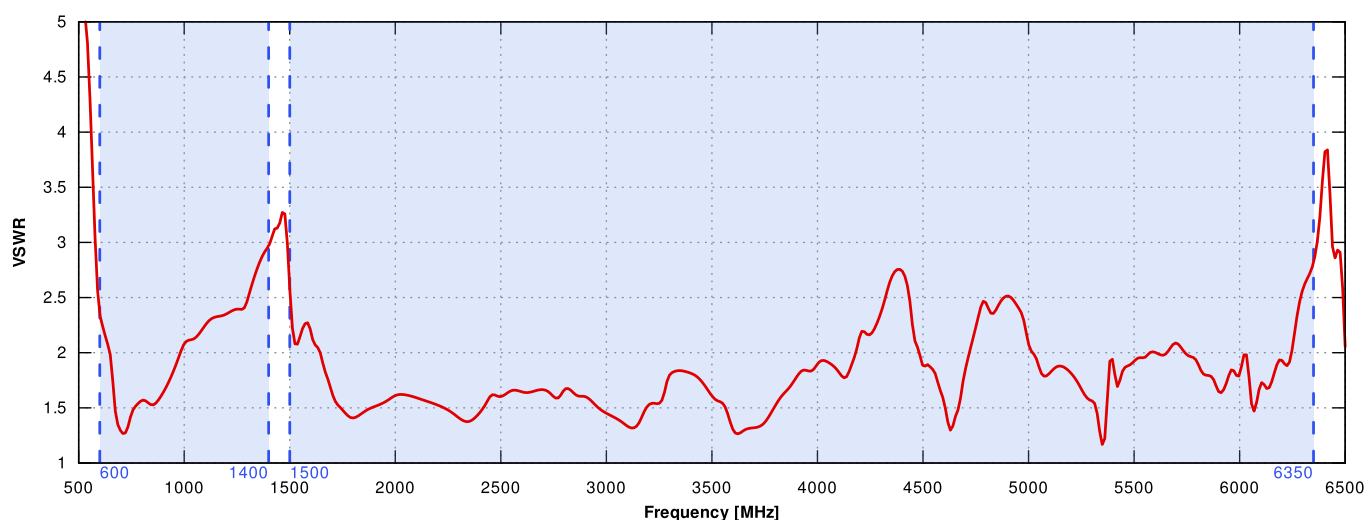
MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	1x RJ45 QuPS3
OUTER DIMENSIONS	210 x 210 x 300 mm 8.27 x 8.27 x 11.81 inch
INGRESS PROTECTION	IP67
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm

COMPATIBLE ROUTERS

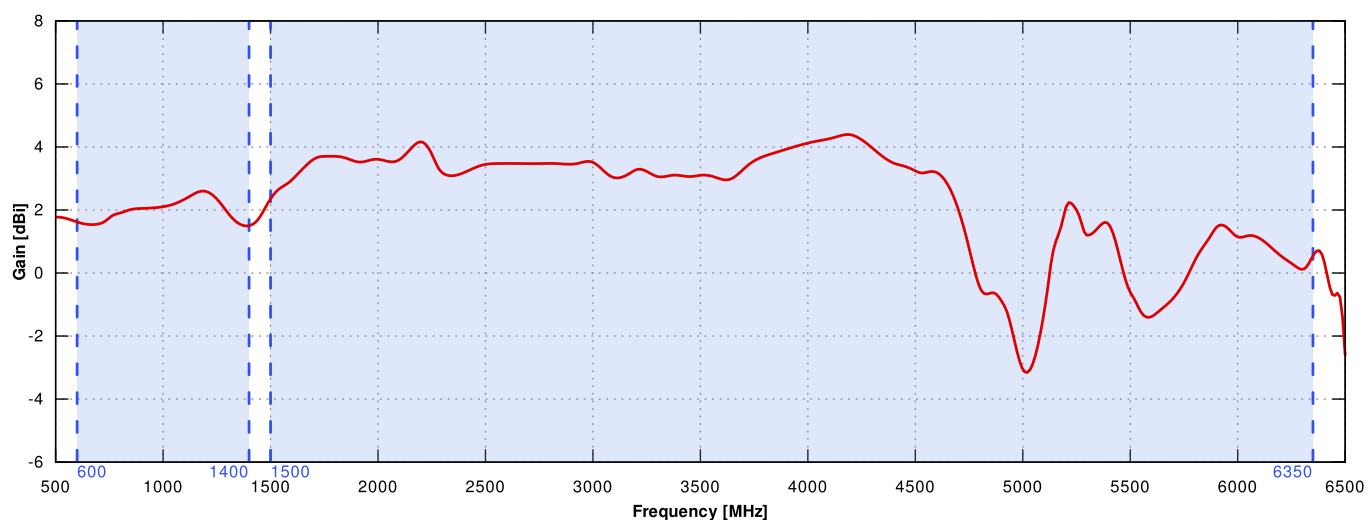
VARIANT: AX50W-01

PLOTS

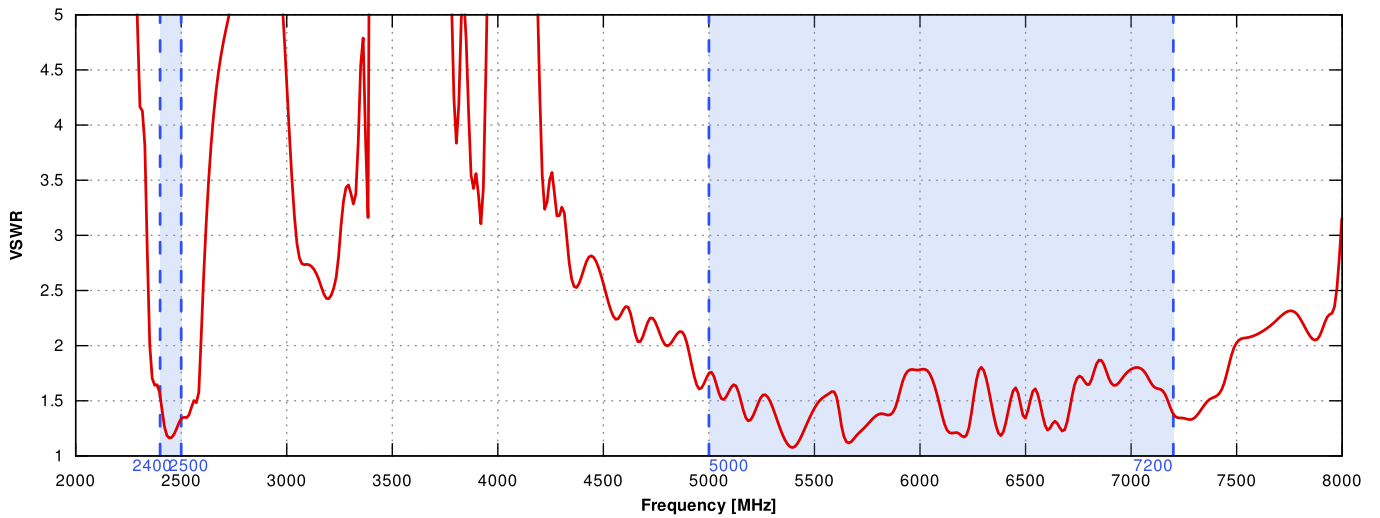
5G/LTE VSWR



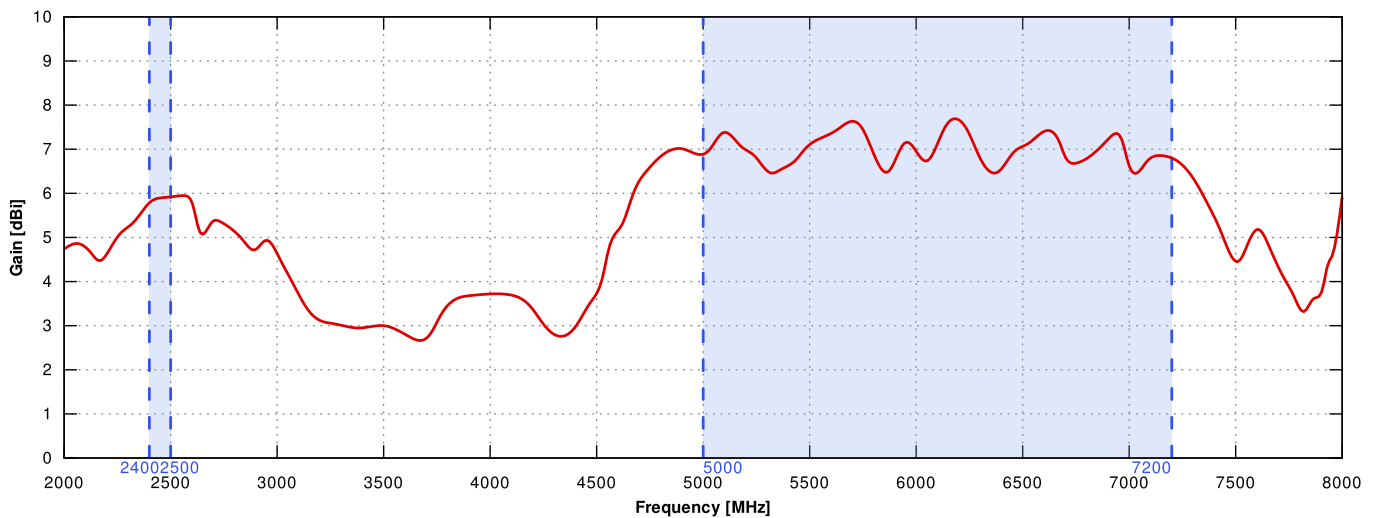
5G/LTE Gain



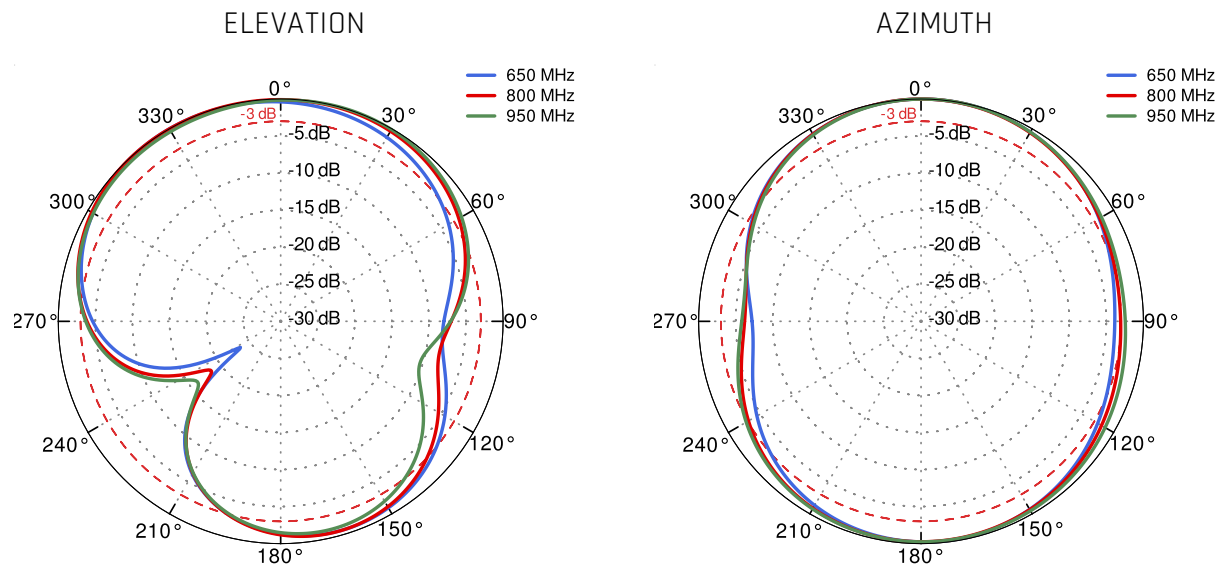
WI-FI VSWR



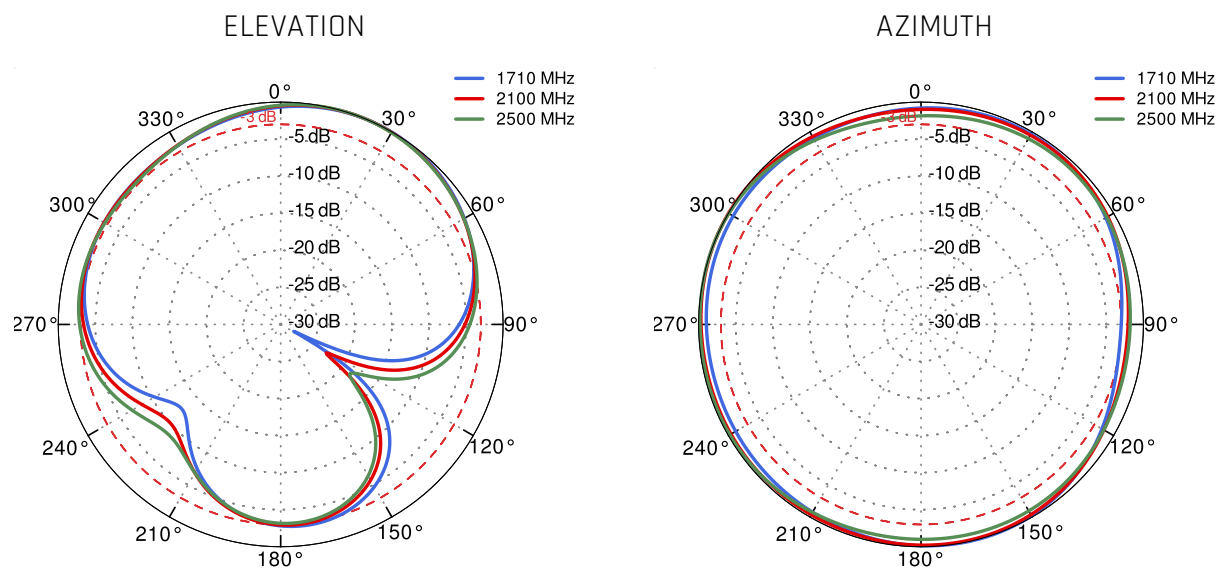
WI-FI Gain



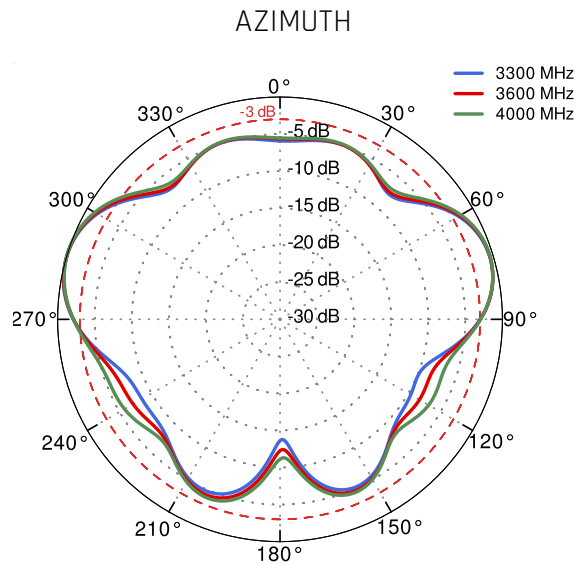
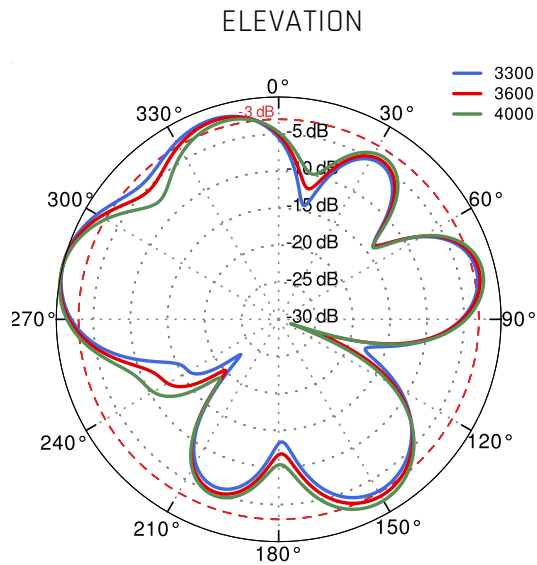
5G/LTE From 650MHz to 950MHz



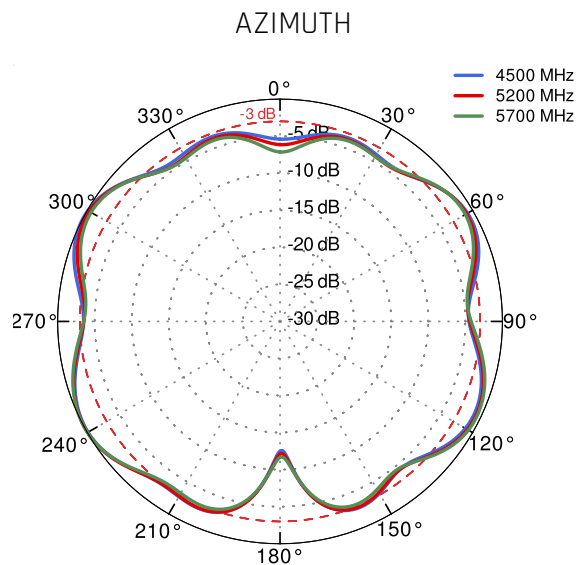
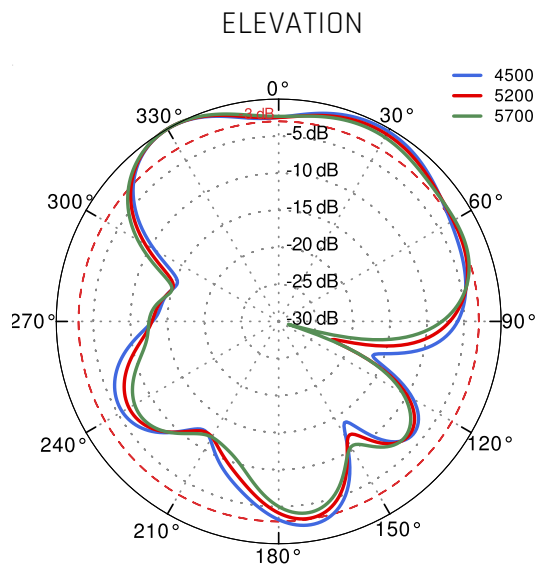
5G/LTE From 1.71GHz to 2.5GHz



5G/LTE From 3.3GHz to 4.0GHz



5G/LTE From 4.5GHz to 5.5GHz



Wi-Fi From 2.4 GHz to 6.5 GHz

