

# QuCube for Robustel R1511P

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI ANTENNA + PASSIVE POE SPLITTER + PLACE TO INSTALL ROBUSTEL R1511P (ALL-IN-ONE)

**QuCube for Robustel R1511P** is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for Robustel R1511P router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments.

This all-in-one unit integrates high-gain omnidirectional **5G and Wi-Fi antennas** with Robustel routers into a compact, rugged **IP68-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions.

Engineered for outdoor and mobile applications, **QuCube** is ideal for use in transportation systems, for underground connectivity or urban and public installations. It ensures consistent performance wherever dependable connectivity is essential.

The set contains a [Passive 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. **NOTE:** should only be used with a 24V (or lower voltage) Passive PoE power supply it is not compatible with an 802.3af/at power source!



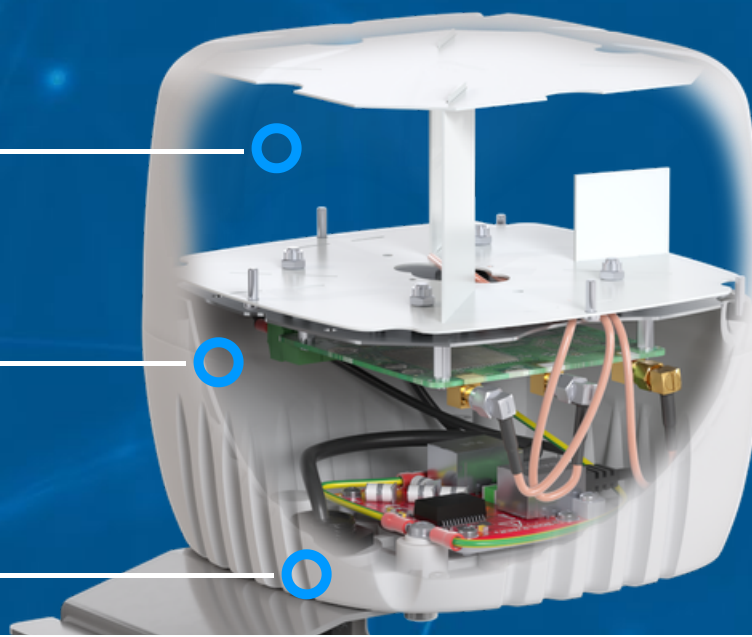
OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



MADE IN **EUROPE**



## 5G/LTE SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 3.8 GHz 4.2 - 6.0 GHz
GAIN	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
SUPPORTED LTE BANDS	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
SUPPORTED 5G BANDS	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
VSWR	<1.20, max <2.50
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## WI-FI SPECIFICATION

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

## MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	QuRJ45
OUTER DIMENSIONS	160 x 160 x 155 mm 6.3 x 6.3 x 6.10 inch
WEIGHT	1.5 kg
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F
INGRESS PROTECTION	IP67 and IP68

## MOUNTING KIT

### MATERIAL

Galvanized steel

### WEIGHT

0.4kg

### MOUNTING PLACE

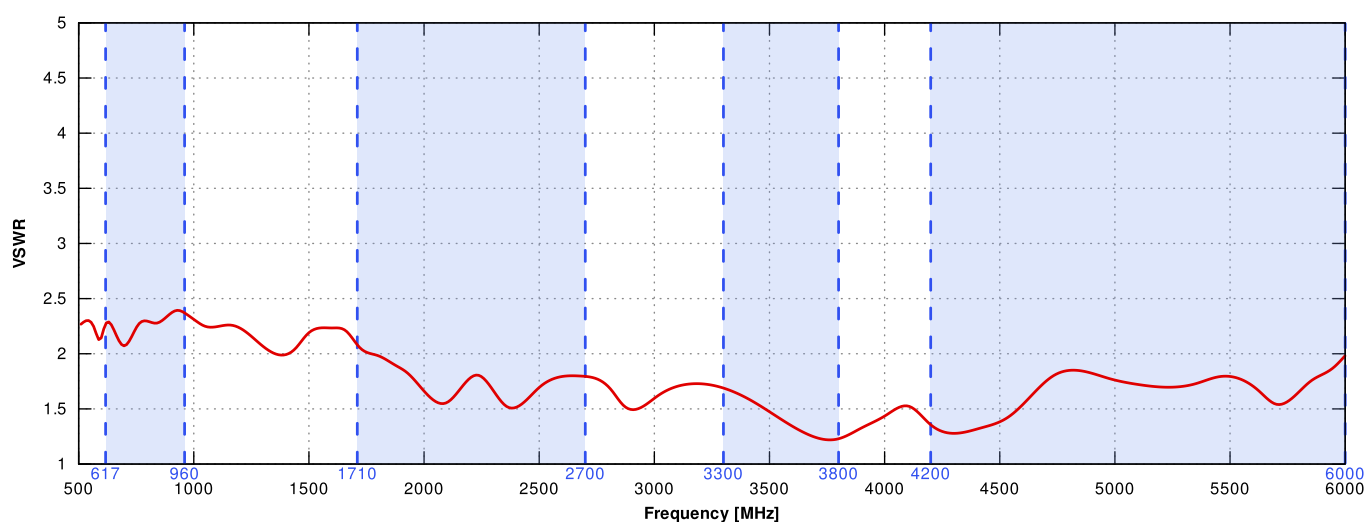
Wall or mast

### MAST DIAMETER

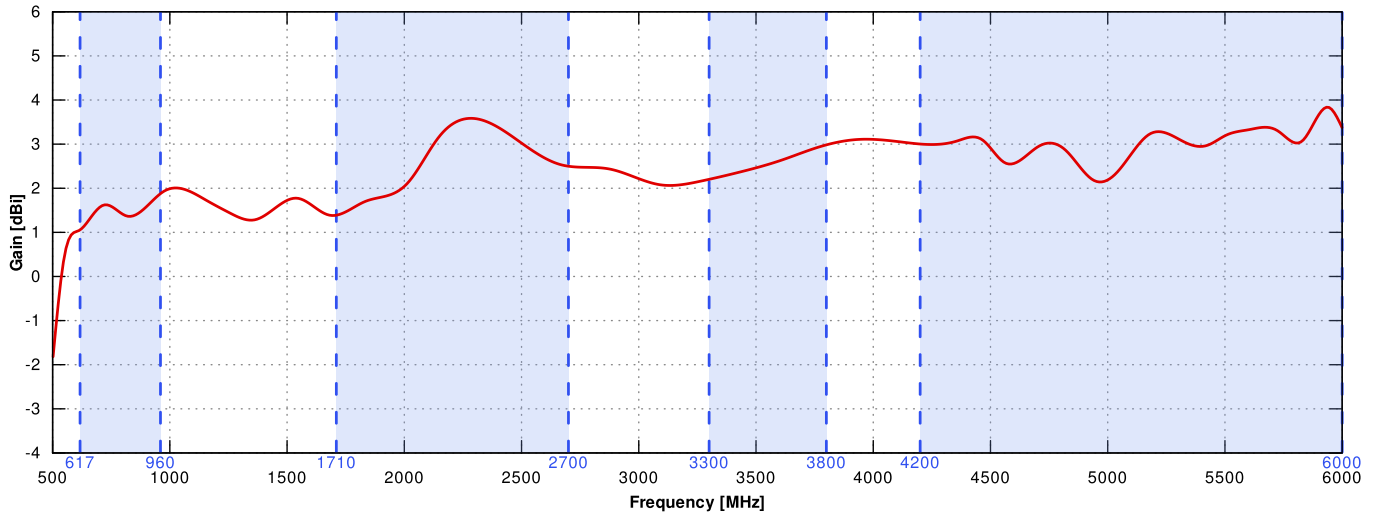
25-66 mm  
0.98-2.60 inch

## PLOTS

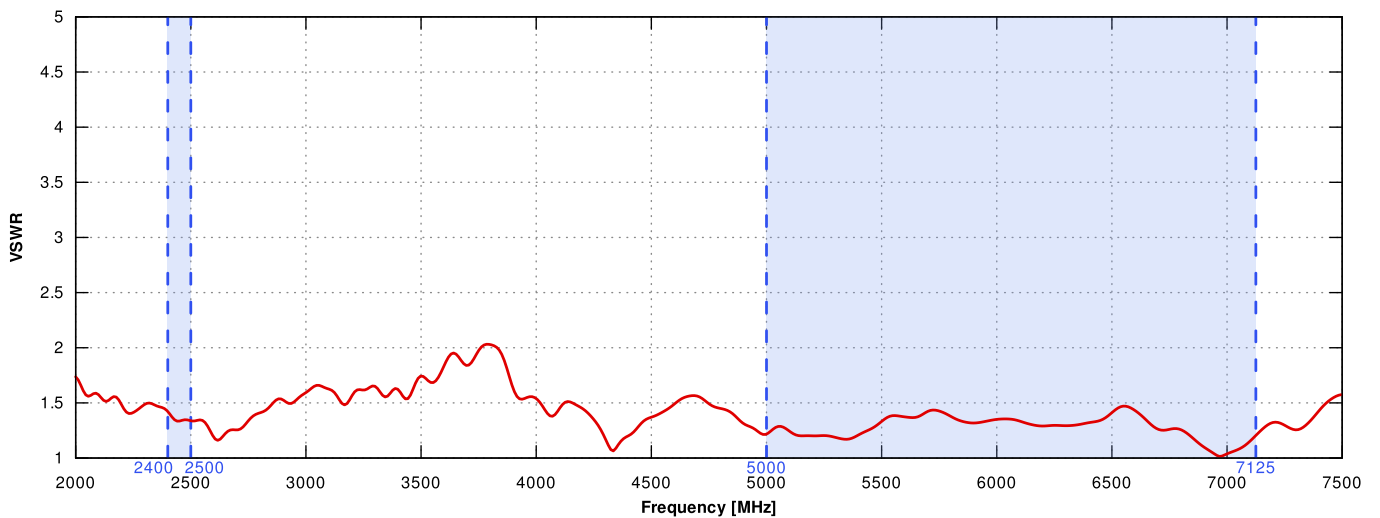
### 5G/LTE VSWR



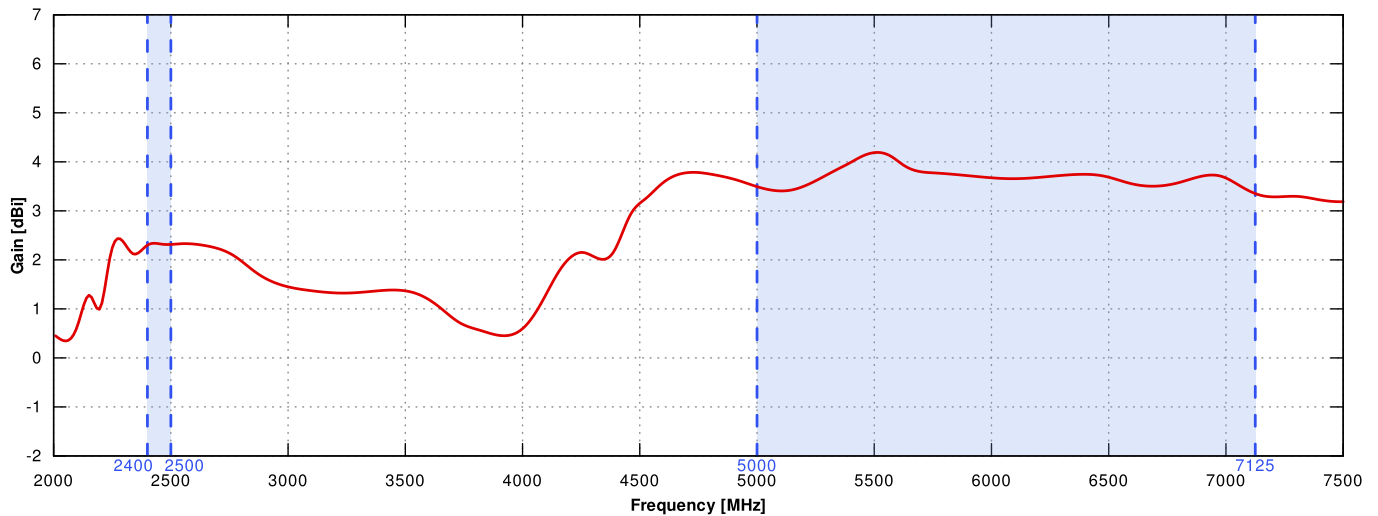
## 5G/LTE GAIN



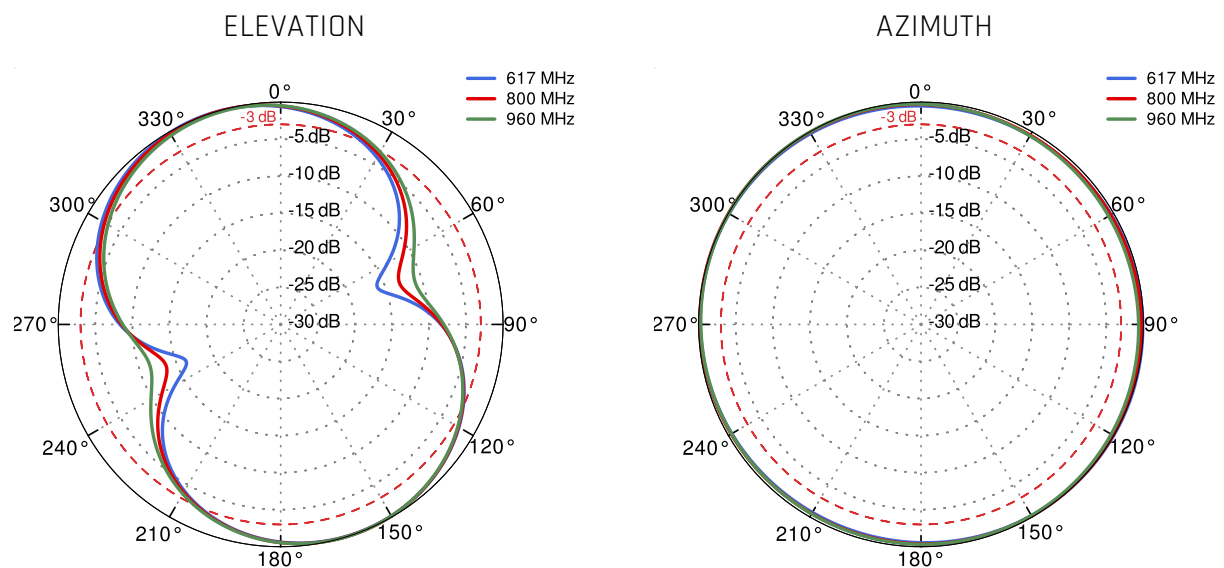
## Wi-Fi - V VSWR



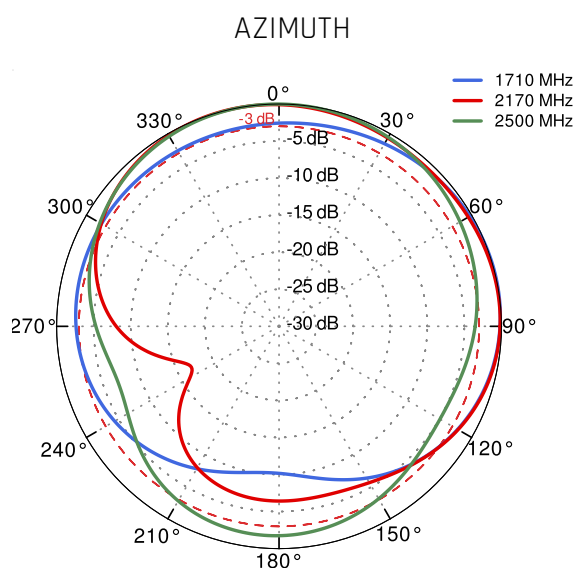
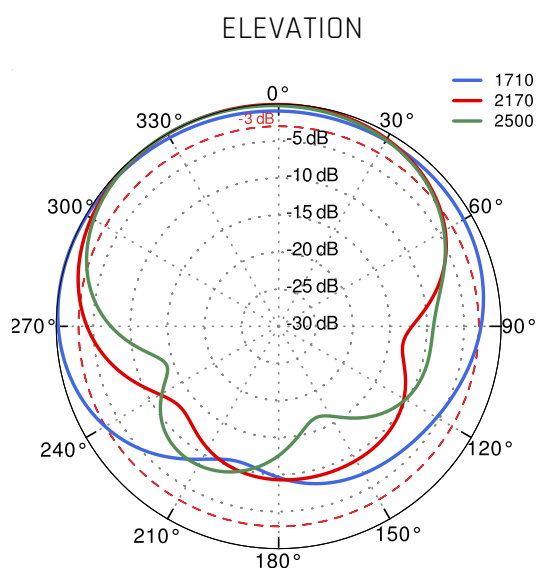
## Wi-Fi - V Gain



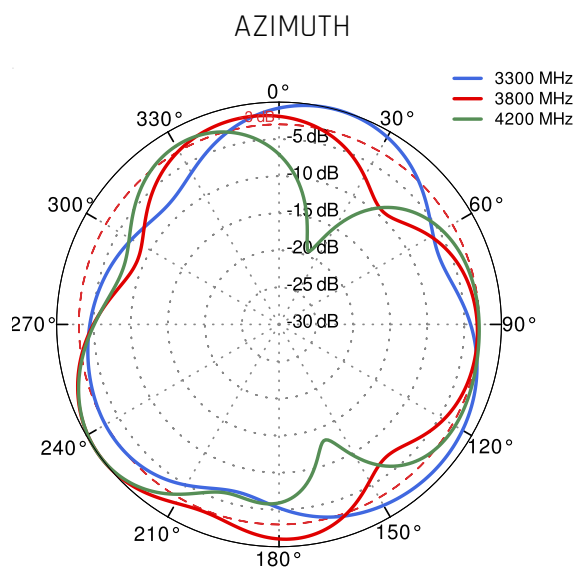
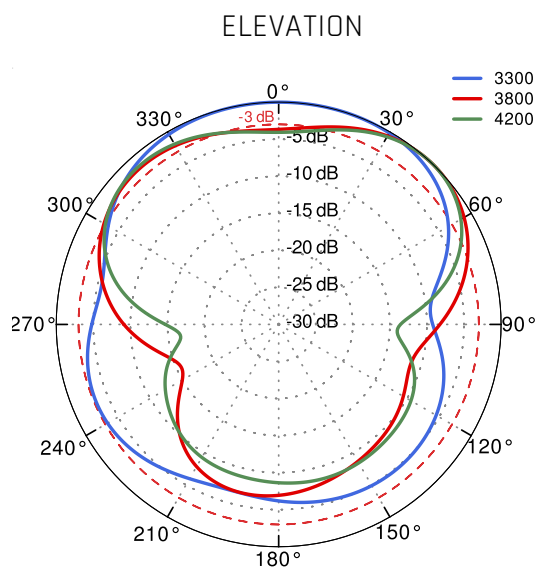
## 5G/LTE from 617MHz to 960MHz



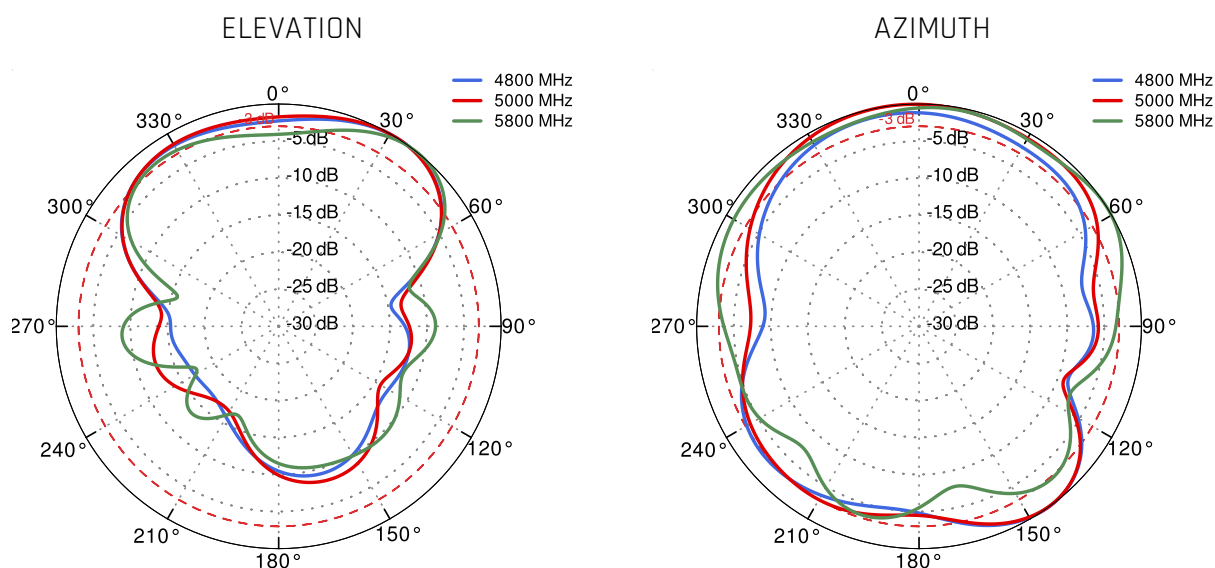
## 5G/LTE from 1.71GHz to 2.7GHz



## 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

