

# QuCube for Teltonika CALYX

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA CALYX (ALL-IN-ONE)

QuCube for Teltonika CALYX is a revolutionary outdoor 5G antenna solution that combines compact dimensions with exceptional wireless performance. Designed specifically for CALYX cellular HAT+ modules, it provides reliable, high-speed mobile connectivity for embedded systems operating in demanding environments.

This all-in-one unit integrates high-gain omnidirectional cellular antennas with the CALYX platform into a compact, rugged IP68-rated waterproof enclosure. The integrated design simplifies installation, reduces deployment complexity, and enables rapid implementation of advanced outdoor cellular connectivity solutions based on Raspberry Pi platforms.

Compatible with all CALYX variants - 4G Cat 4, 5G RedCap, and full 5G - QuCube delivers a flexible and future-ready connectivity solution for integrators, developers, and OEM manufacturers building next-generation connected devices.



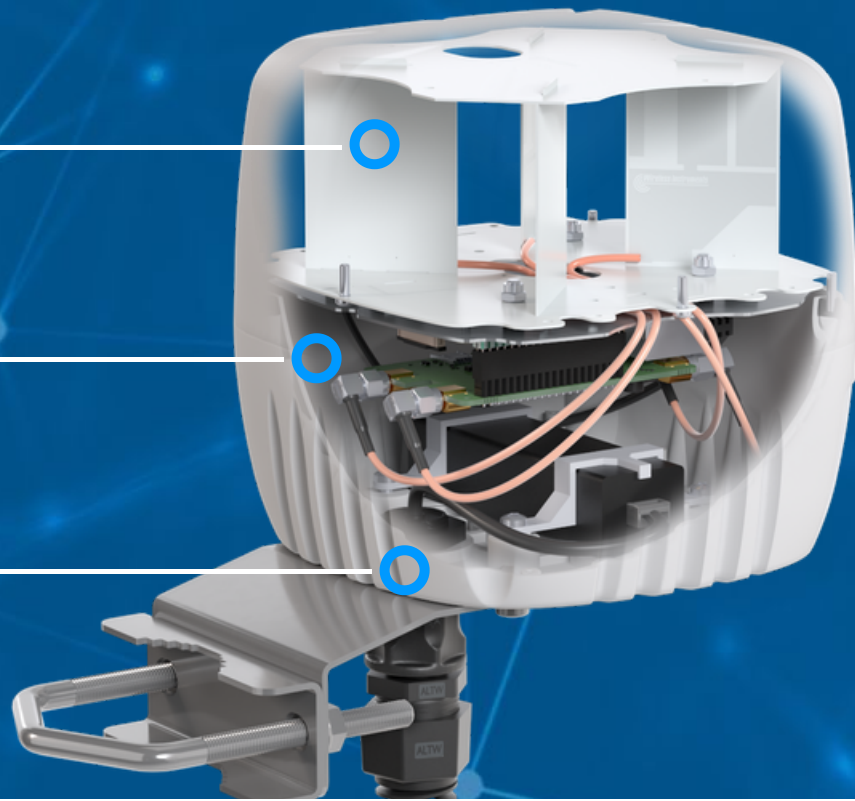
OUTDOOR ANTENNA WORKS IN **ANY**  
WEATHER CONDITIONS, IP68



ANTENNA **PERFECTLY MATCHED** WITH  
THE MODEM



MADE IN **EUROPE**



## 5G/LTE SPECIFICATION

<b>FREQUENCY</b>	0.58 - 2.0 GHz 2.0 - 3.5 GHz 3.5 - 5.0 GHz 5.0 - 6.35 GHz
<b>MAX. GAIN</b>	0.58 - 2.0 GHz : 2 dBi 2.0 - 3.5 GHz : 3.2 dBi 3.5 - 5.0 GHz : 3.1 dBi 5.0 - 6.35 GHz : 3.8 dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256
<b>SUPPORTED 5G BANDS</b>	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, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
<b>VSWR</b>	<2.50, max <3.00
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

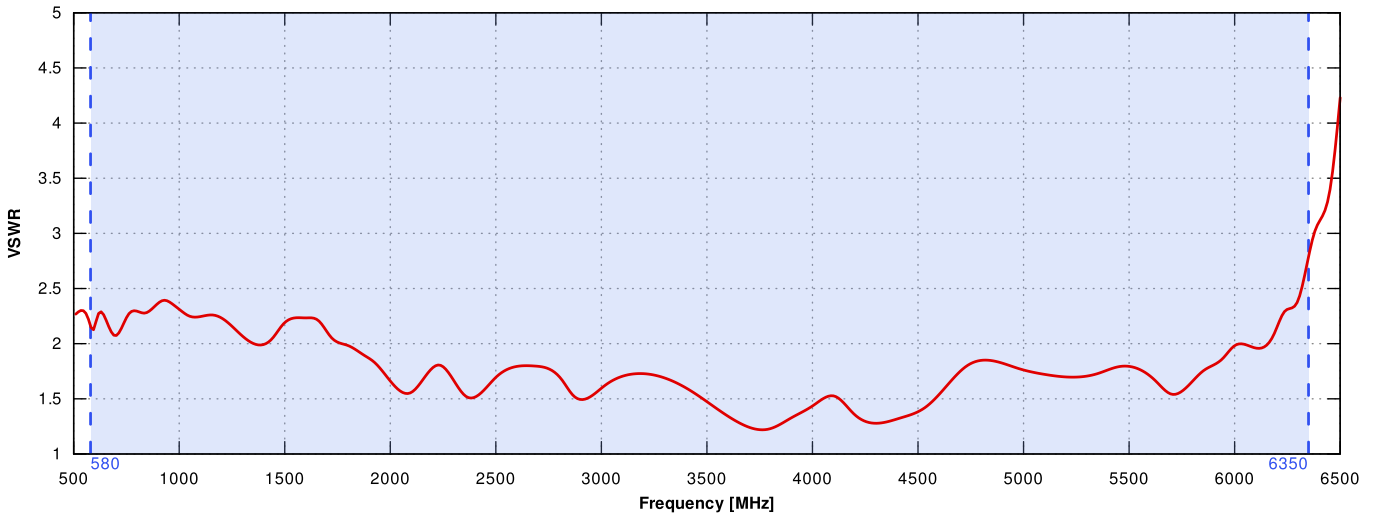
<b>MATERIAL</b>	ABS
<b>CONNECTOR</b>	QuRJ45
<b>OUTER DIMENSIONS</b>	160 x 160 x 155 mm 6.3 x 6.3 x 6.10 inch
<b>WEIGHT</b>	1.5 kg
<b>OPERATING TEMPERATURE</b>	-40°C to 80°C -40°F to 176°F
<b>INGRESS PROTECTION</b>	IP67 and IP68

## MOUNTING KIT

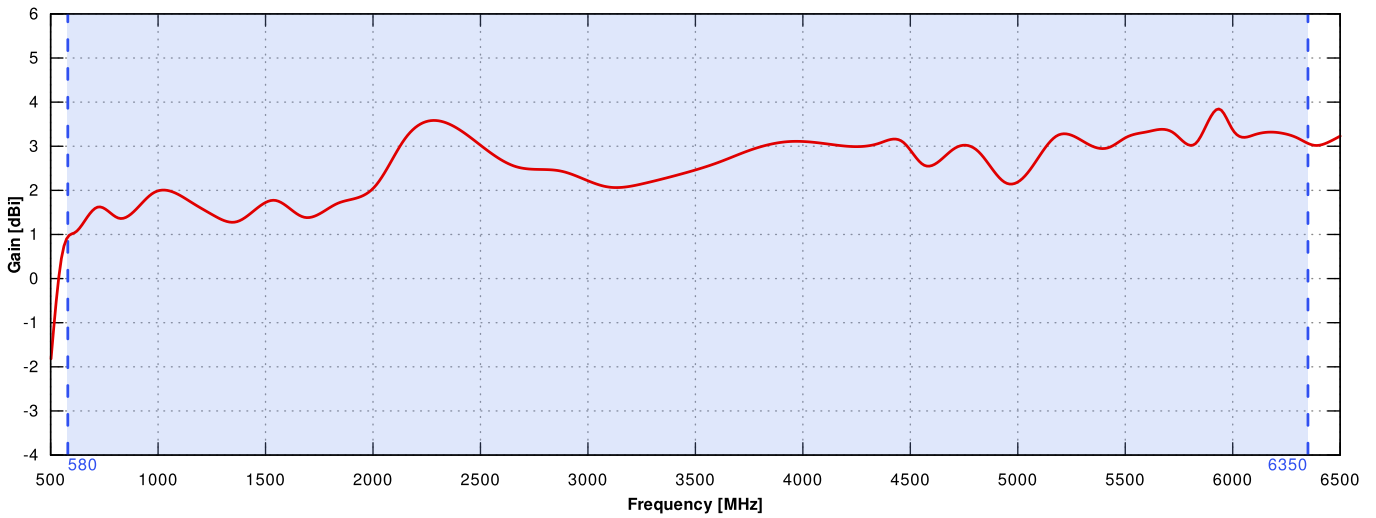
<b>MATERIAL</b>	Galvanized steel
<b>WEIGHT</b>	0.4kg
<b>MOUNTING PLACE</b>	Wall or mast
<b>MAST DIAMETER</b>	25-66 mm 0.98-2.60 inch

# PLOTS

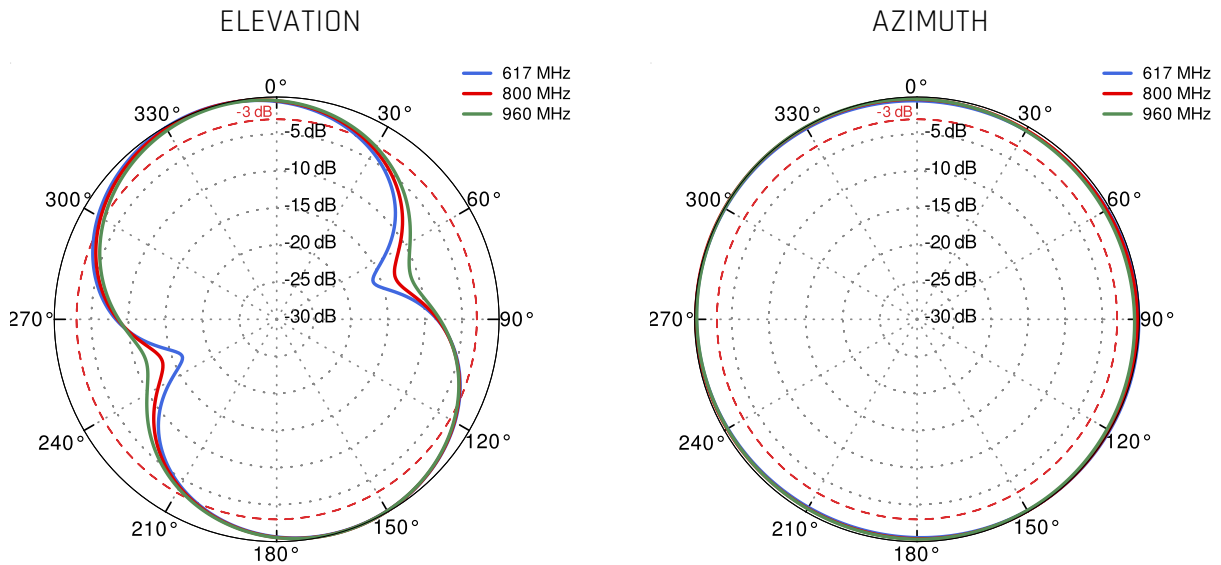
## 5G/LTE VSWR



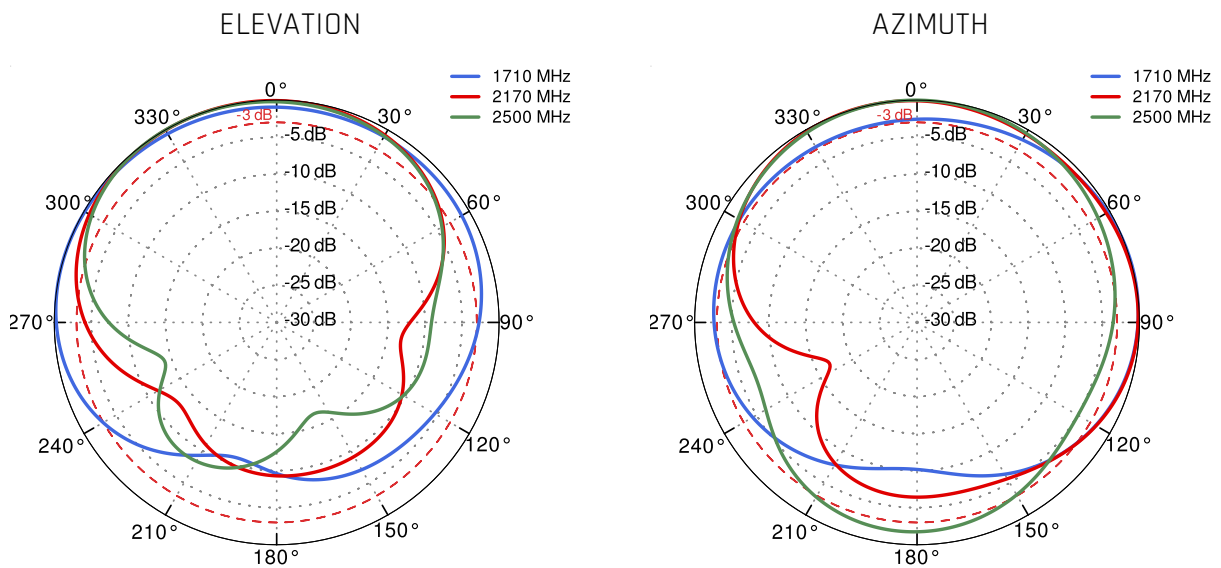
## 5G/LTE GAIN



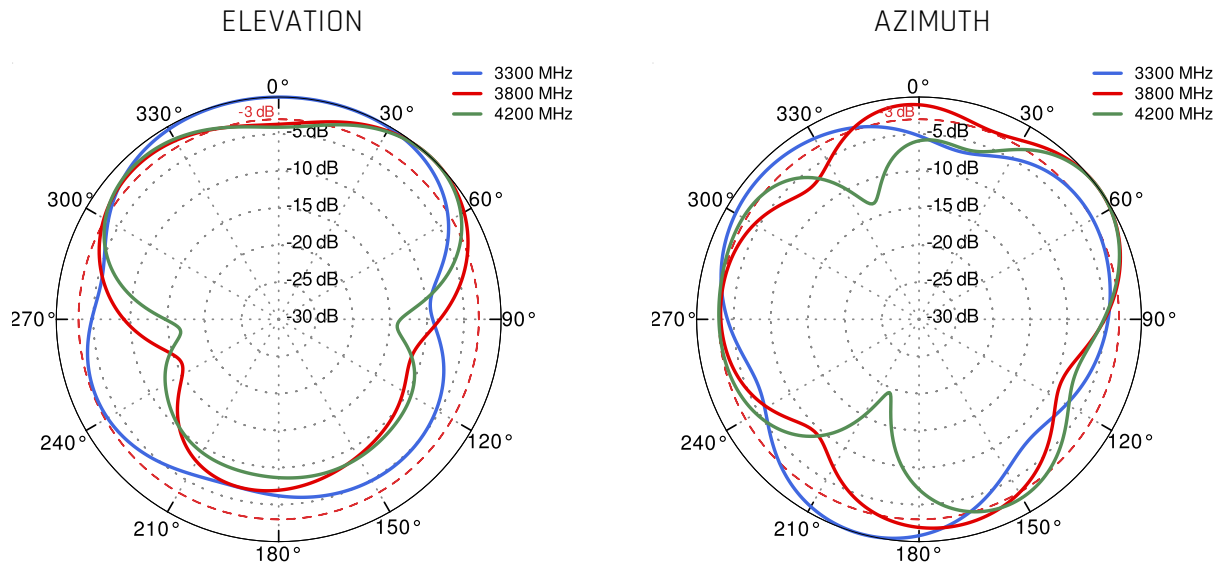
5G/LTE from 617MHz to 960MHz



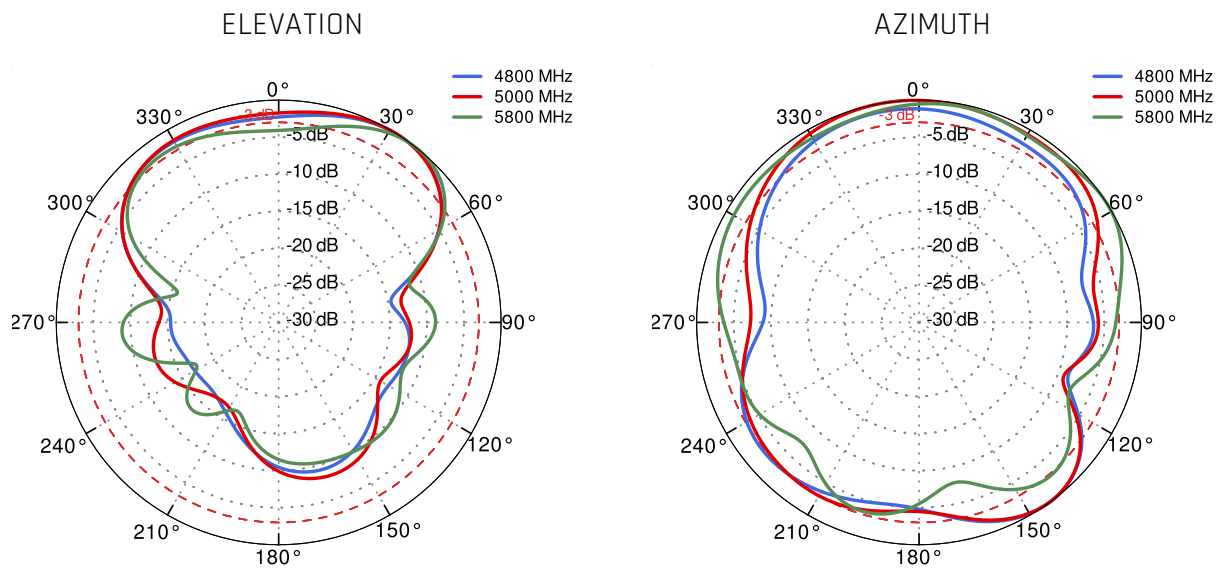
5G/LTE from 1.71GHz to 2.5GHz



### 5G/LTE from 3.3GHz to 4.2GHz



### 5G/LTE from 4.8GHz to 5.8GHz



## **DIMENSIONS**

