

# QuMax for Teltonika RUTX50 Wi-Fi

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

QuMax for RUTX50 is a high performance directional antenna designed for use in a variety of wireless communication applications. This all-in-one product consists of multi-band 5G and Wi-Fi 5GHz antennas integrated in IP67 enclosure. It offers 14 dBi gain, which makes it suitable for use in both urban and rural environments. Combining QuMax with RUTX50 inside the antenna housing gives you complete outdoor solution with multiple use scenarios such as transportation public, energy, mining IoT and more.

**Wi Fi** 5GHz  
14 dBi**5G**  
694-6000MHz  
DIRECTIONAL  
IP 67  
-40° TO +80°

OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67



ANTENNA PERFECTLY MATCHED WITH  
THE TELTONIKA RUTX50



ALL ANTENNAS AND TELTONIKA  
ROUTER INTEGRATED IN ONE  
ENCLOSURE



MADE IN **EUROPE**



## WI-FI SPECIFICATION

FREQUENCY	5.1 - 5.9 GHz
GAIN	14 dBi
VSWR	<2.00
BEAMWIDTH	35°/35°
POLARIZATION	X
IMPEDANCE	50 $\Omega$

## 5G / LTE SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 : 2.5dBi
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, 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, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° +/- 5°

**POLARIZATION**

Vertical

**IMPEDANCE**50  $\Omega$  **MECHANICAL SPECIFICATION****MATERIAL**

BS, aluminum, PTFE, Fiberglass

**INGRESS PROTECTION**

IP67

**CONNECTOR TYPE**

RJ45

**DIMENSIONS**272 x 276 x 96 mm  
10.71 x 10.87 x 3.78 inch**WEIGHT**1.8 kg  
3.97 lbs**OPERATING TEMPERATURE**From -40°C to 75°C  
From -40°F to 167°F **MOUNTING KIT****DIMENSIONS**9.9 x 10.5 x 14.8 cm  
3.9 x 4.13 x 5.83 inch**REGULATION RANGE**

+/- 30°

**MAST DIAMETER RANGE**25 - 60mm  
0.98-2.36 inch**MATERIAL**

Polyamide with fiberglass + galvanized steel U-Bolts

**WEIGHT**

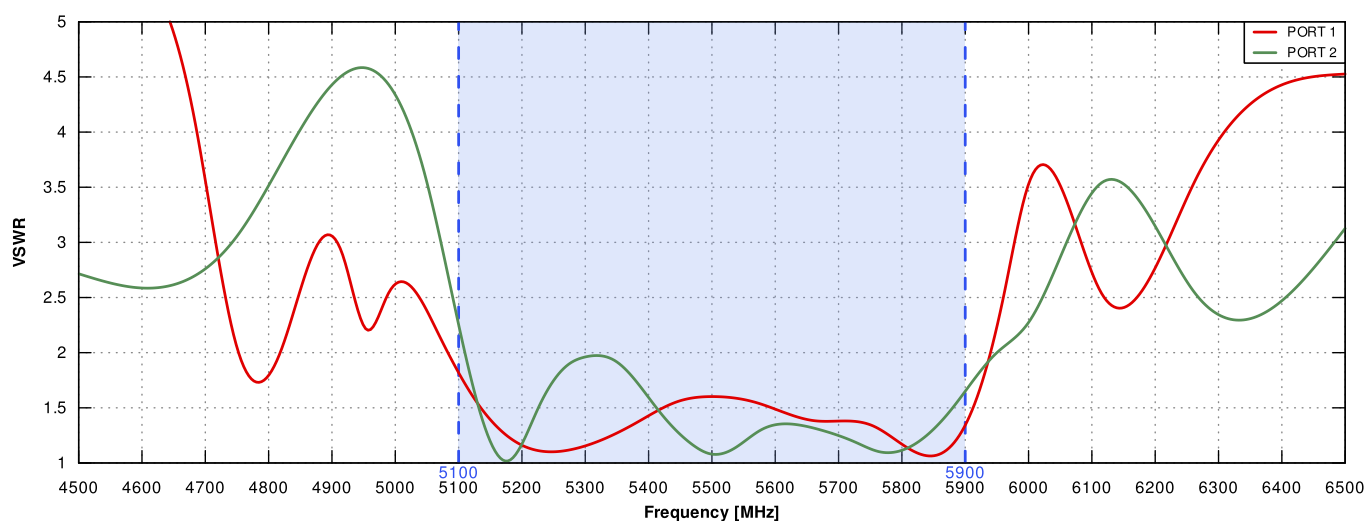
0.87kg

**MOUNTING PLACE**

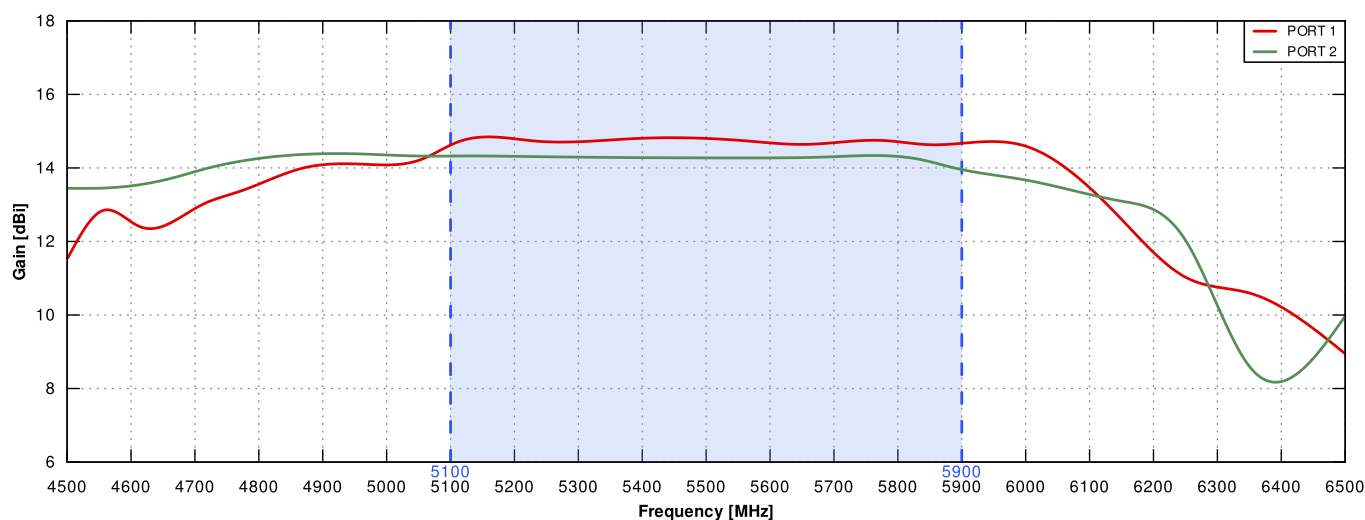
Wall or mast or ceiling

## PLOTS

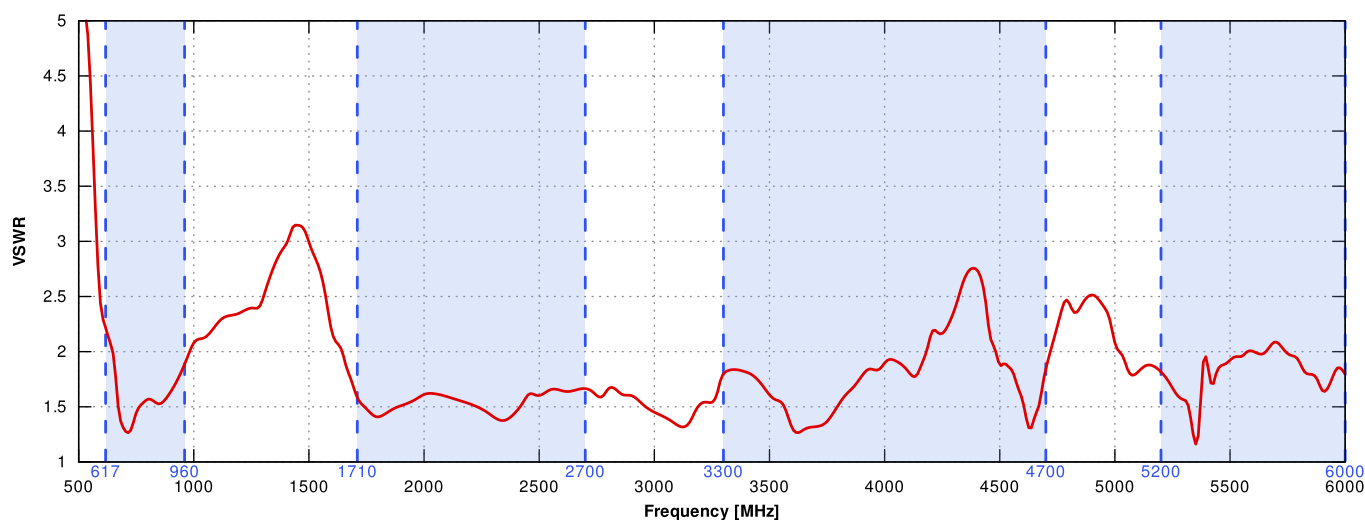
### Wi-Fi VSWR



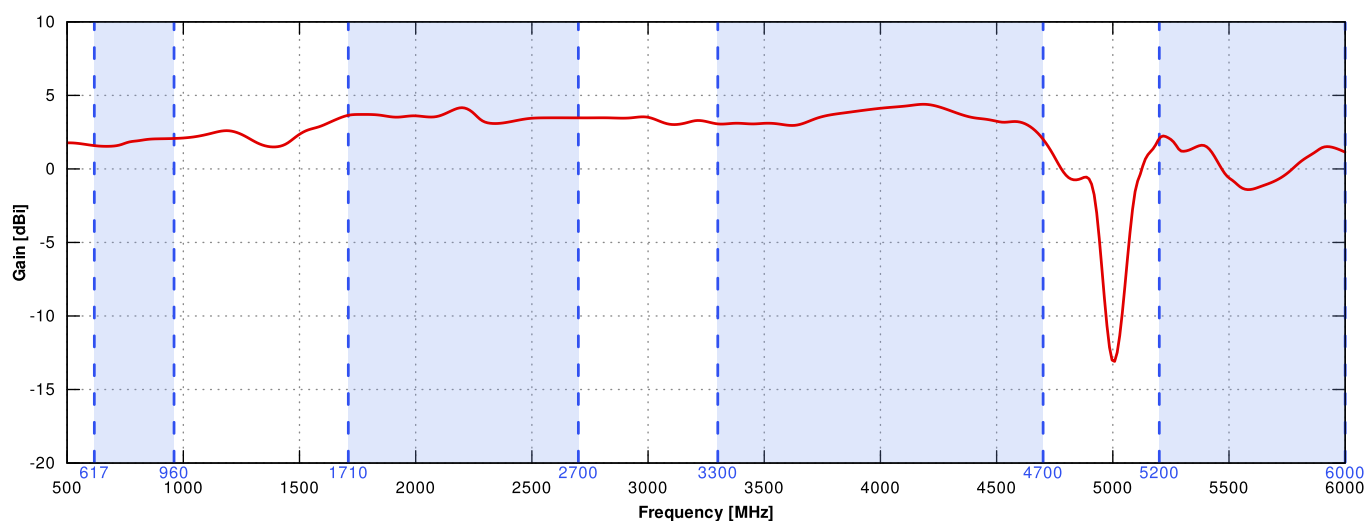
### Wi-Fi Gain



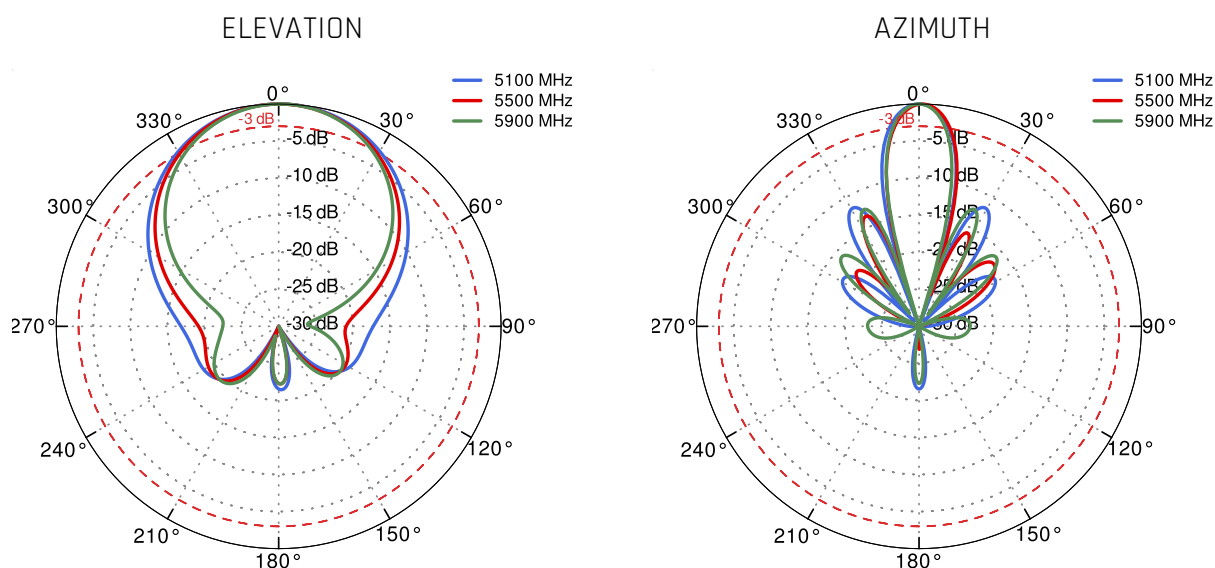
## 5G/LTE VSWR



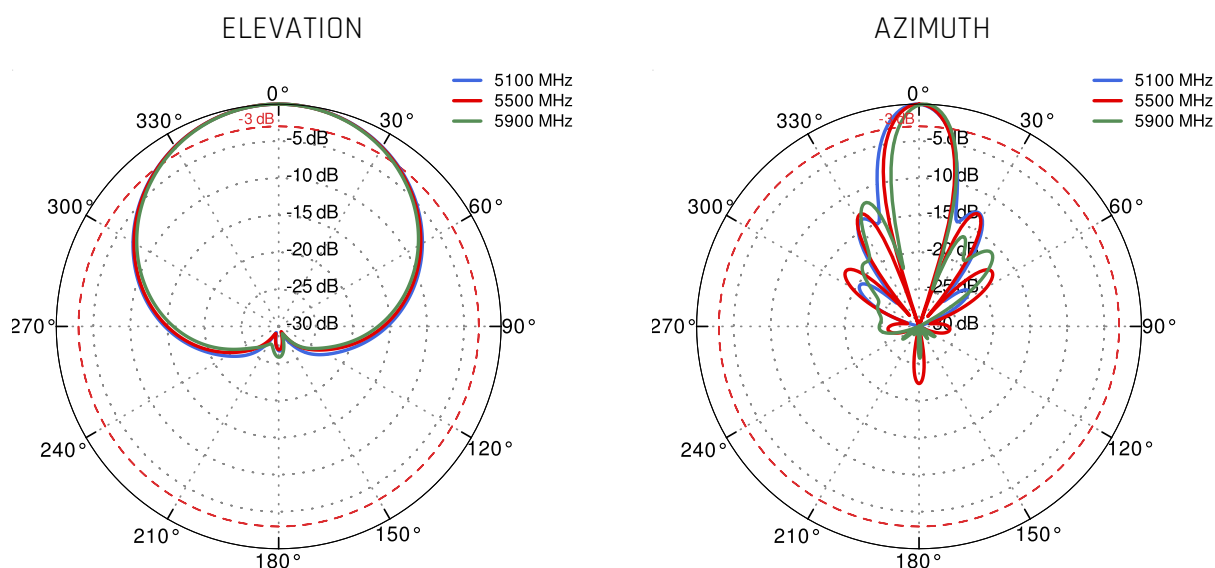
## 5G/LTE Gain



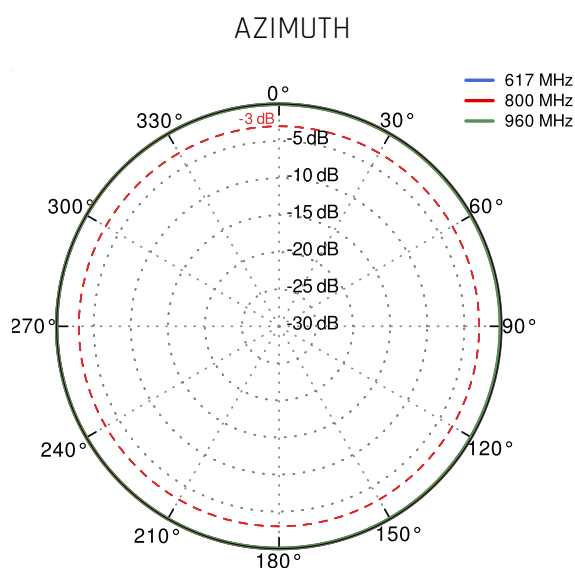
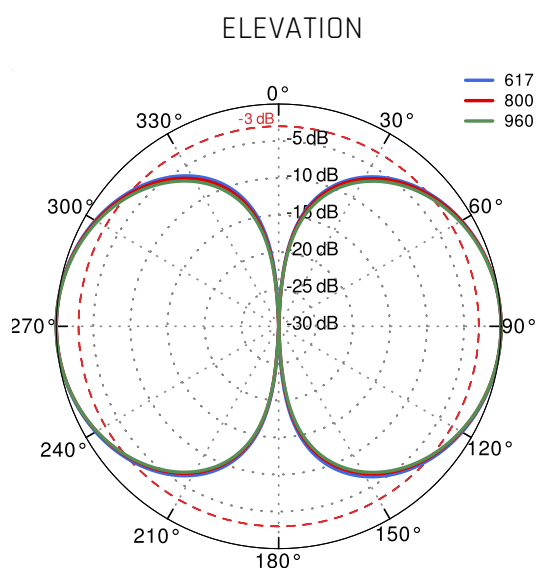
## Wi-Fi Port 1 from 5.1GHz to 5.9GHz



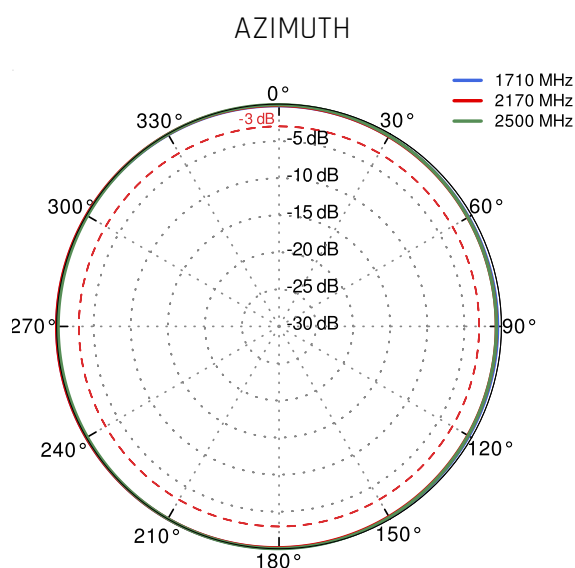
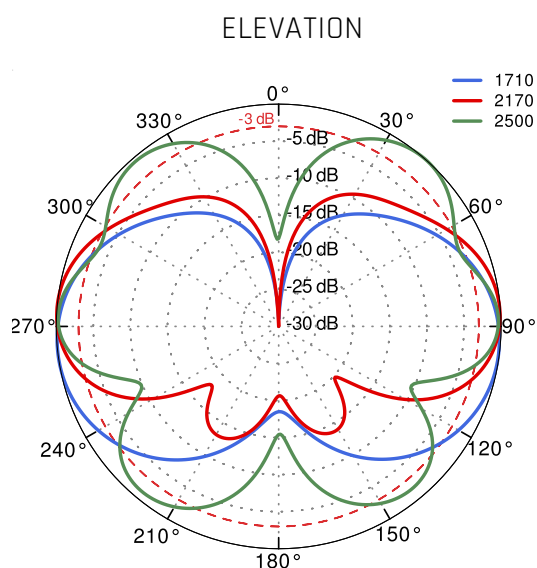
## Wi-Fi Port 2 from 5.1GHz to 5.9GHz



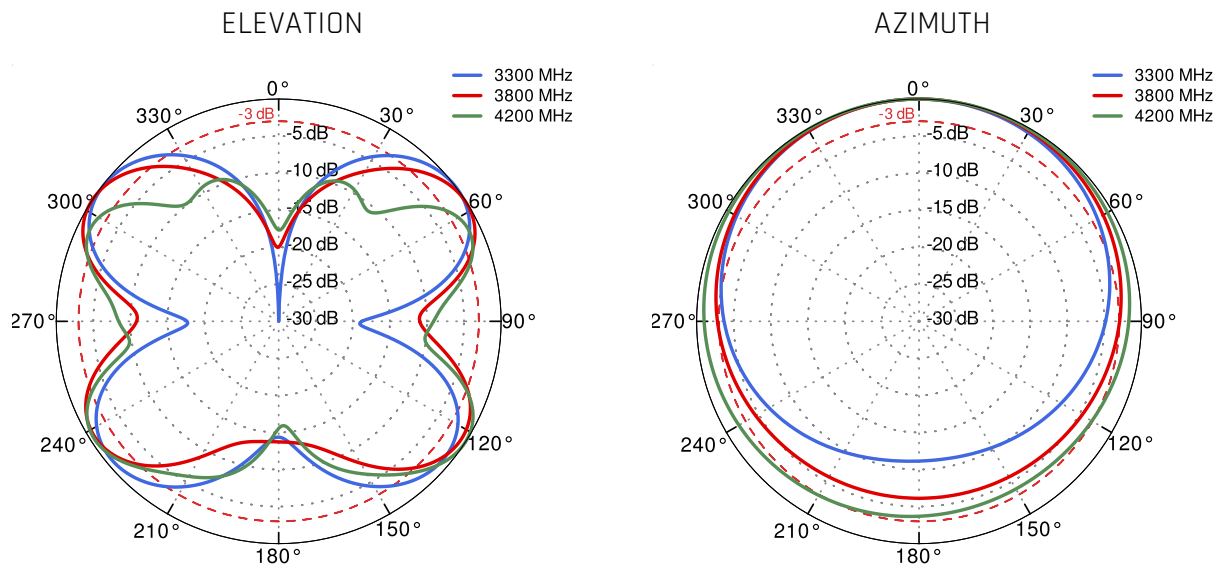
## 5G/LTE from 617MHz to 950MHz



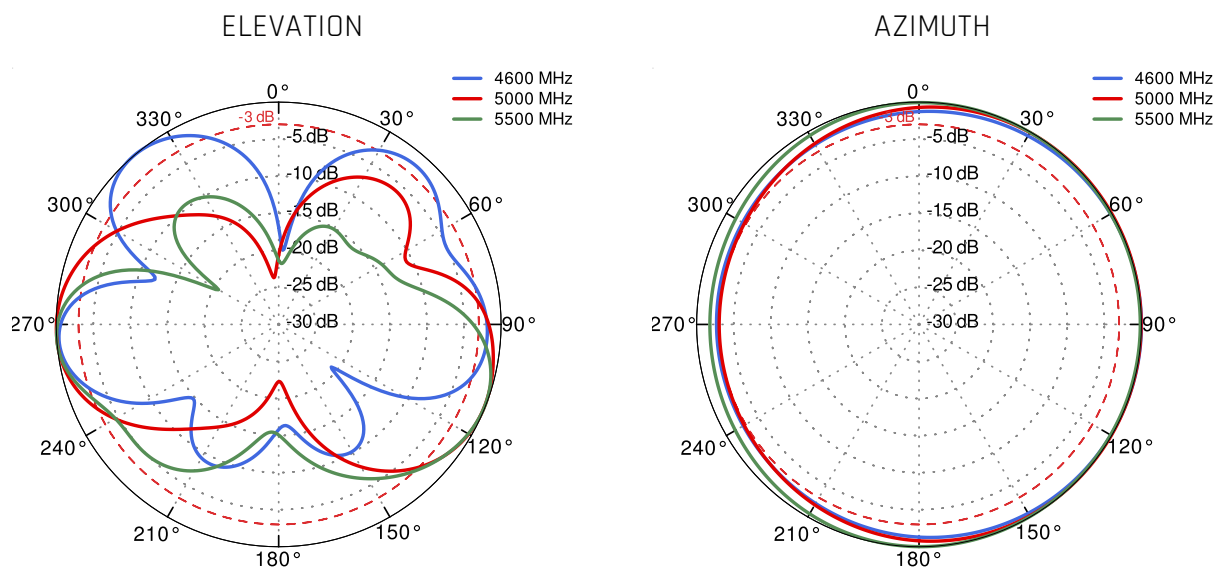
## 5G/LTE from 1.71GHz to 2.5GHz



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



## 5G/LTE from 4.6GHz to 5.5GHz



## DIMENSIONS

