

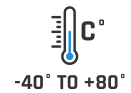
# QuMax Omni for Robustel R5020 Lite

## INTEGRATED MULTI-BAND 5G OMNI ANTENNA + WIFI OMNI ANTENNA + PLACE TO INSTALL ROBUSTEL R5020 Lite (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel R5020 Lite router is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni 4\*5G and 2\*Wi-Fi antenna. If you use R5020 Lite with QuMax Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

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.

Wi-Fi 6E support!

**5G****Wi Fi 6E****694-6000MHz****7 dBi****OMNI DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



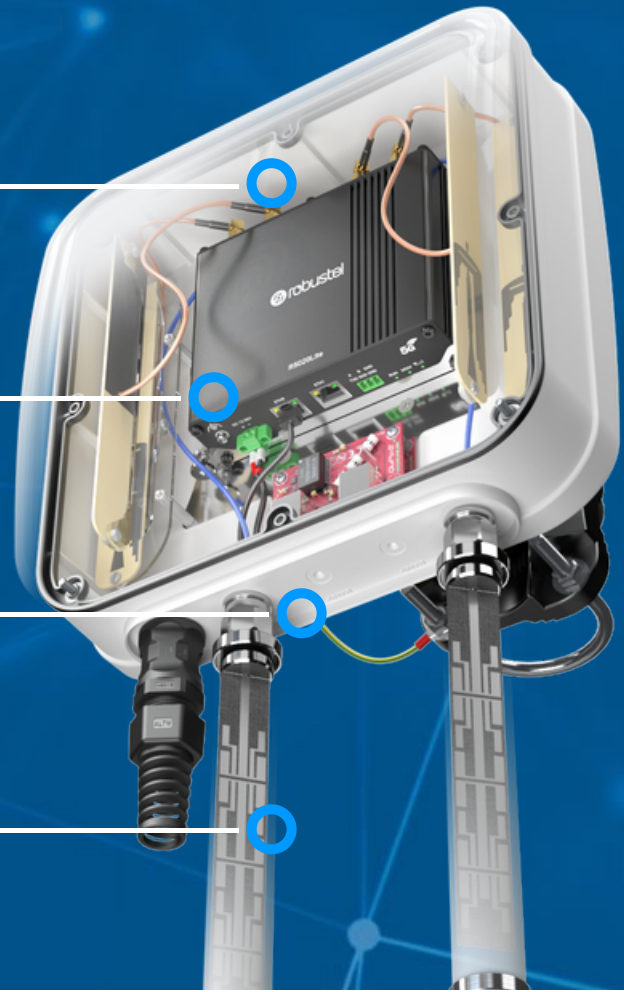
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R5020 LITE



ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



## 5G / LTE SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
<b>GAIN</b>	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
<b>SUPPORTED LTE BANDS</b>	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
<b>SUPPORTED 5G BANDS</b>	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
<b>VSWR</b>	<1.80, max <2.00
<b>BEAMWIDTH</b>	360°/35° +/- 5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$

## WI-FI SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.0 - 7.2 GHz
<b>GAIN</b>	2.4 - 2.5 GHz: 6 dBi 5.0 - 6.0 GHz: 7.5 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	360°/25° +/- 5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

<b>MATERIAL</b>	BS, aluminum, PTFE, Fiberglass
<b>INGRESS PROTECTION</b>	IP67
<b>CONNECTOR TYPE</b>	RJ45
<b>DIMENSIONS</b>	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
<b>WEIGHT</b>	1.8 kg 3.97 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 75°C From -40°F to 167°F
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm

## 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 - 66mm  
0.98-2.60 inch

### MATERIAL

Polyamide with fiberglass + galvanized steel U-Bolts

### WEIGHT

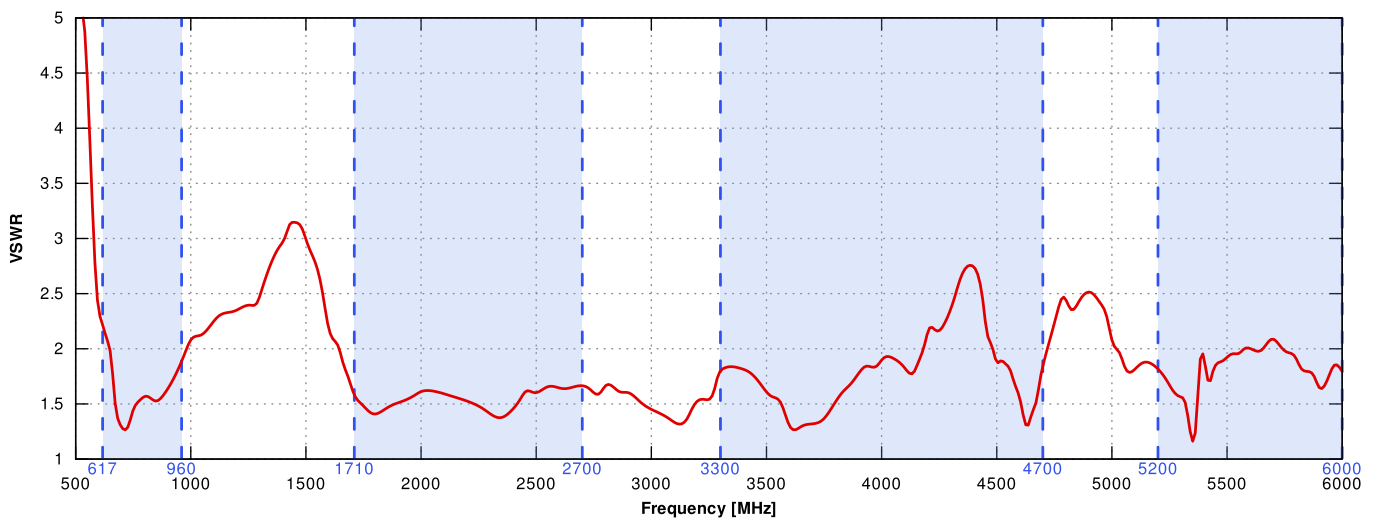
0.87kg

### MOUNTING PLACE

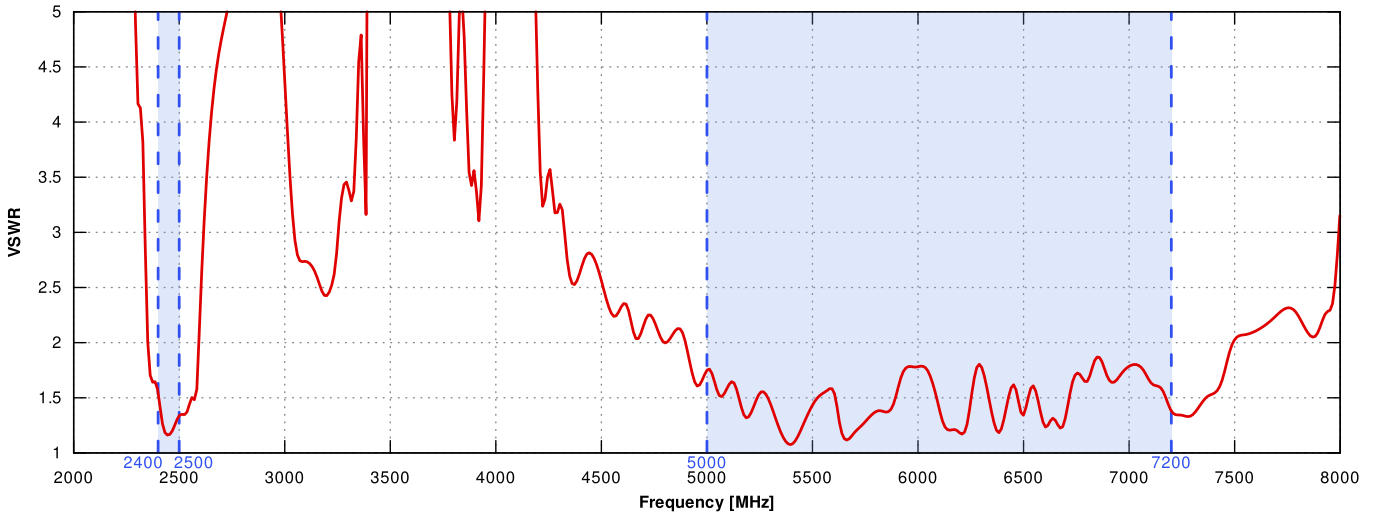
Wall or mast or ceiling

## PLOTS

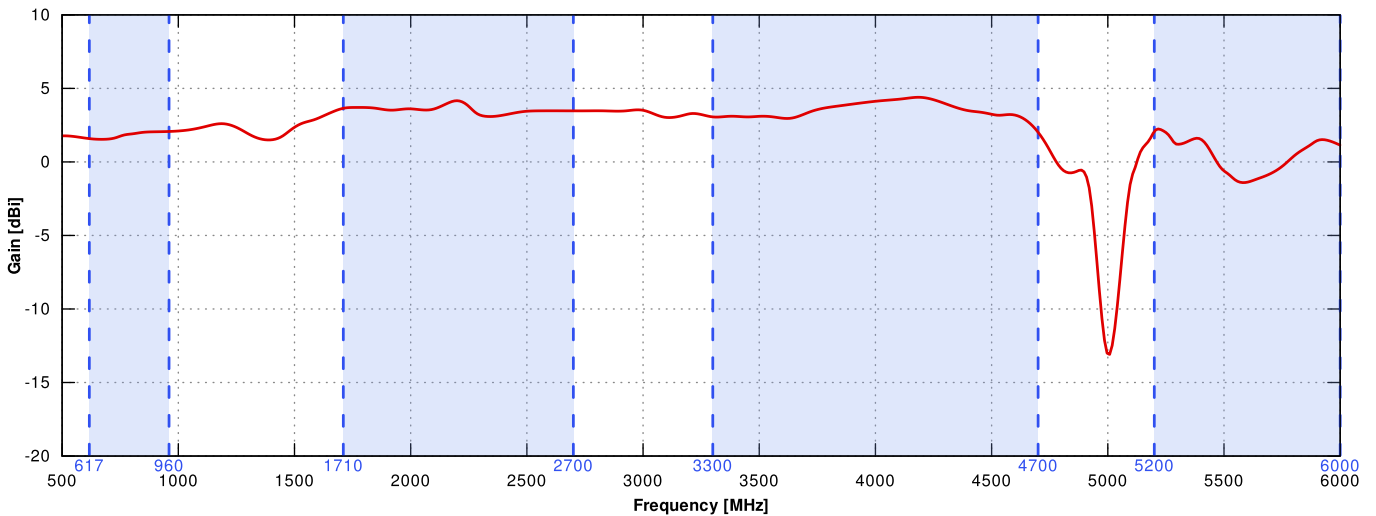
### 5G/LTE VSWR



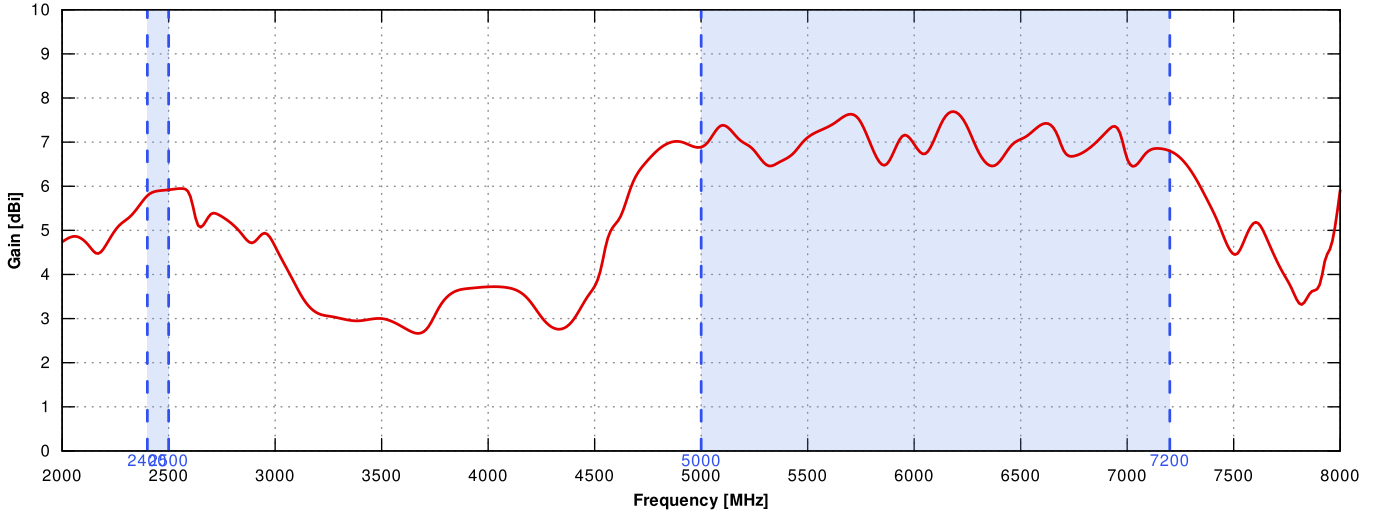
### WI-FI VSWR



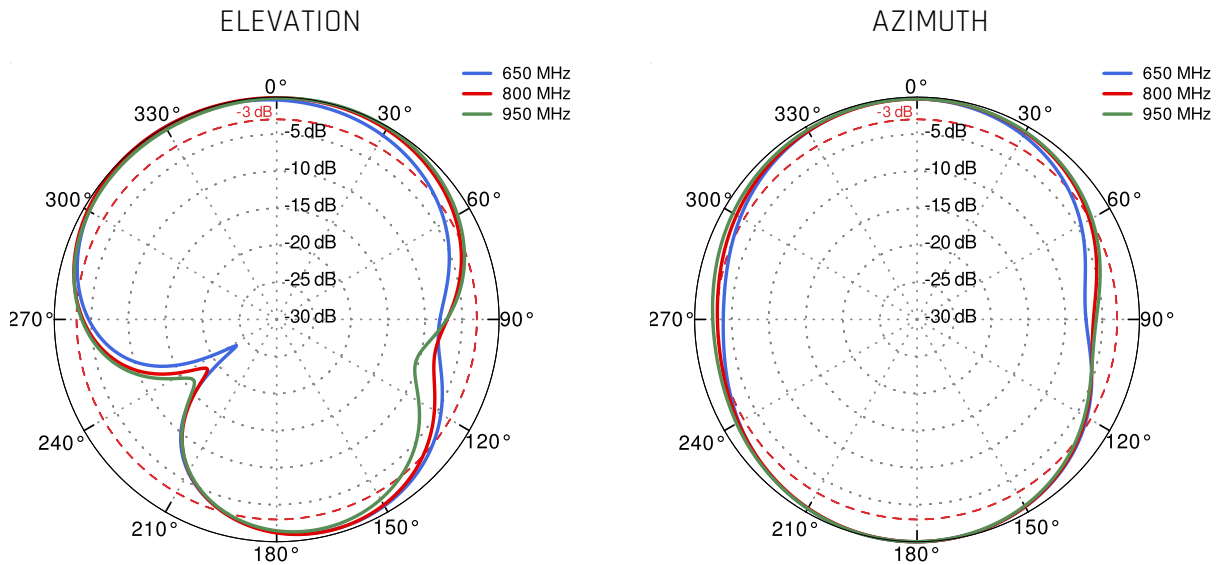
### 5G/LTE Gain



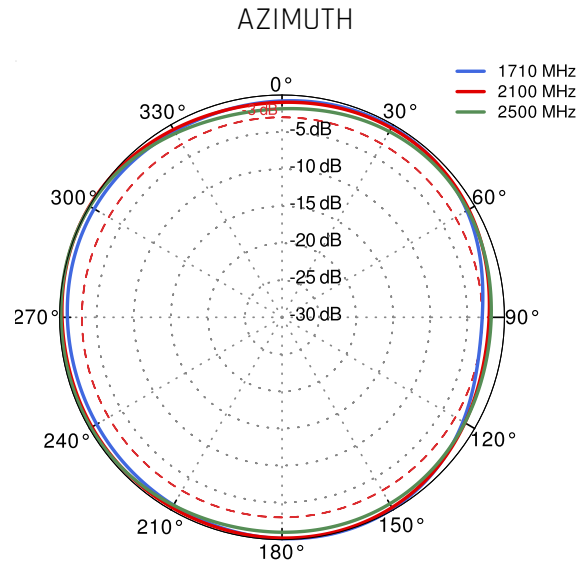
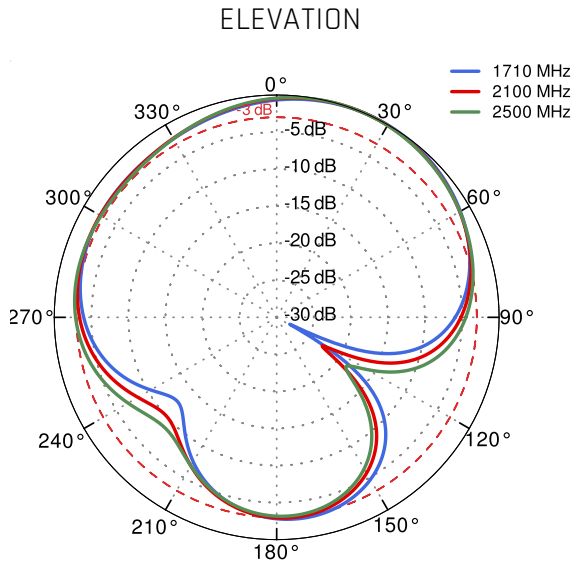
## Wi-Fi Gain



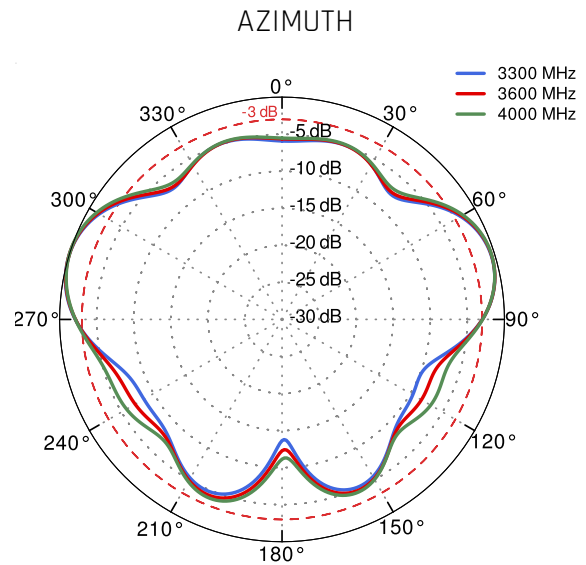
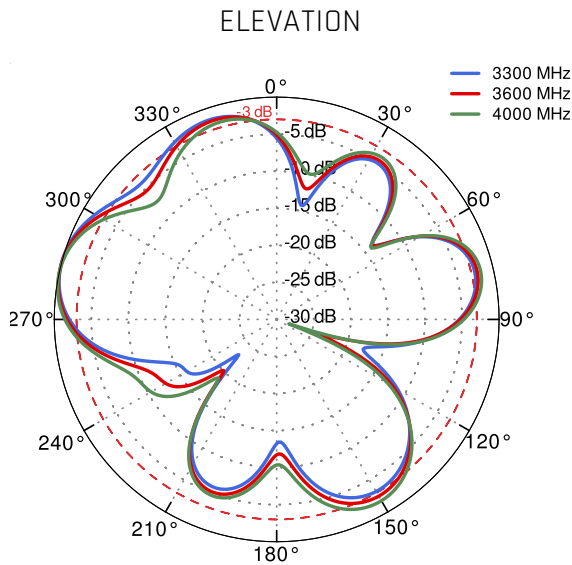
## 5G/LTE from 650MHz to 950MHz



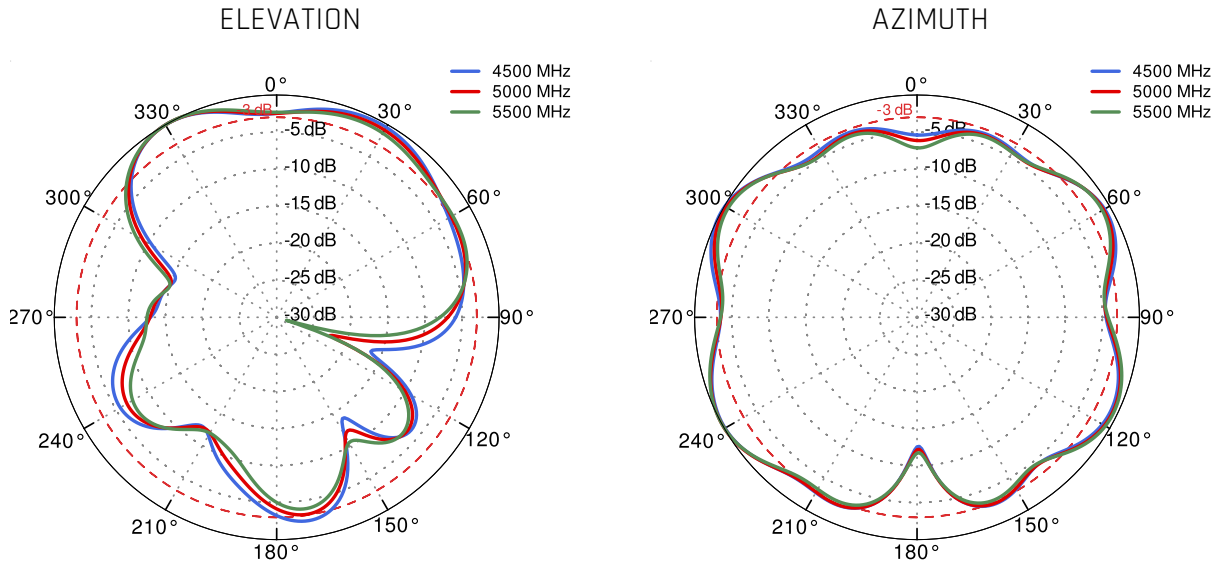
5G/LTE from 1.71GHz to 2.5GHz



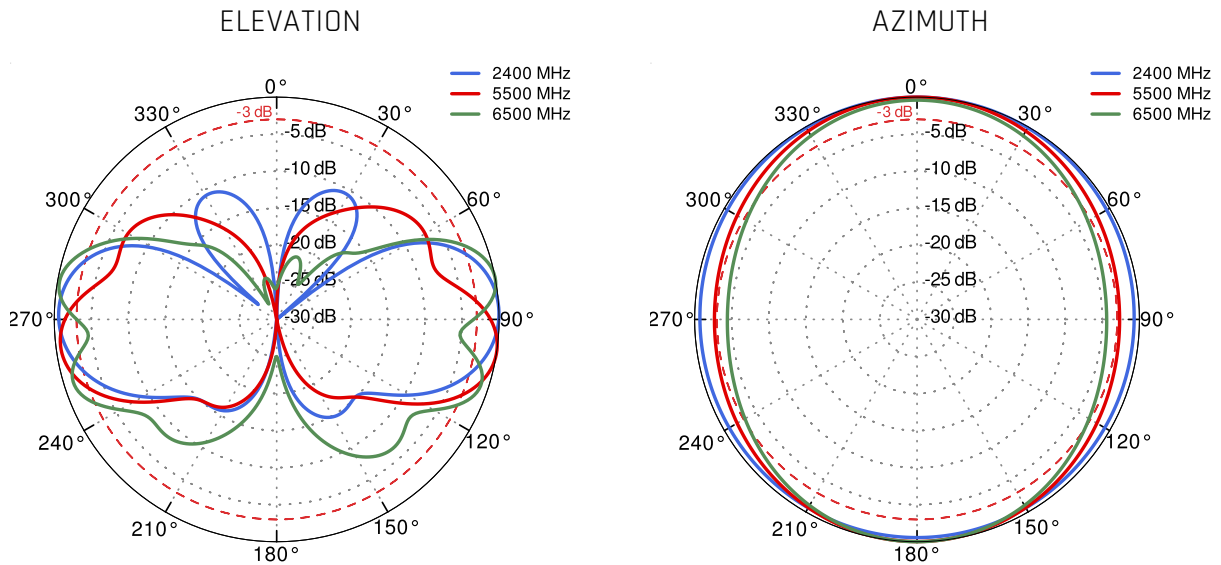
5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



Wi-Fi 2.4GHz and 5GHz and 6GHz



## **DIMENSIONS**

