

# QuMax Omni for Robustel R2120

## INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WI-FI 6E ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL R2120 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel R2120 gateway is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni LTE and Wi-Fi 6E antenna. If you use R2120 with QuMax Omni antenna, you get an integrated complete solution with embedded gateway, multi band antennas and 4x PoE 802.3af/at to power external devices 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



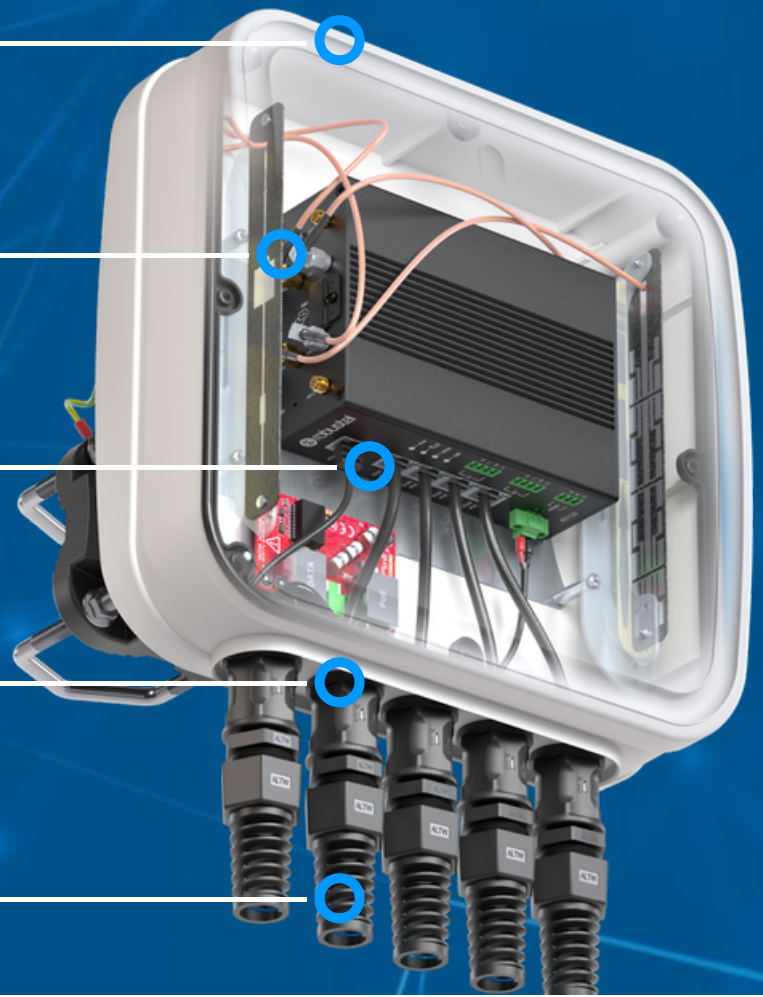
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R2120



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



## LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz
<b>GAIN</b>	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 2.7 GHz : 3 dBi
<b>SUPPORTED LTE/5G BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n95, n98, n100, n101, n255
<b>VSWR</b>	<1.50, max <2.50
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## WI-FI ANTENNA SPECIFICATION

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

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	BS, aluminum, PTFE, Fiberglass
<b>INGRESS PROTECTION</b>	IP67
<b>CONNECTOR TYPE</b>	5 x 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
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 inch

# FREQUENCY BANDS

**LTE / 4G GSM**

5	8	12	13	14	17	18	
19	20	26	27	28	29	44	
67	68	85	103	n81	n82	n83	
n89	n100						

617 MHz 960 MHz

**LTE / 4G UMTS**

1	2	3	4	9	10	25	
33	34	35	36	37	39	n80	
n84	n86	n95	n98	n101			

1710 MHz 2170 MHz

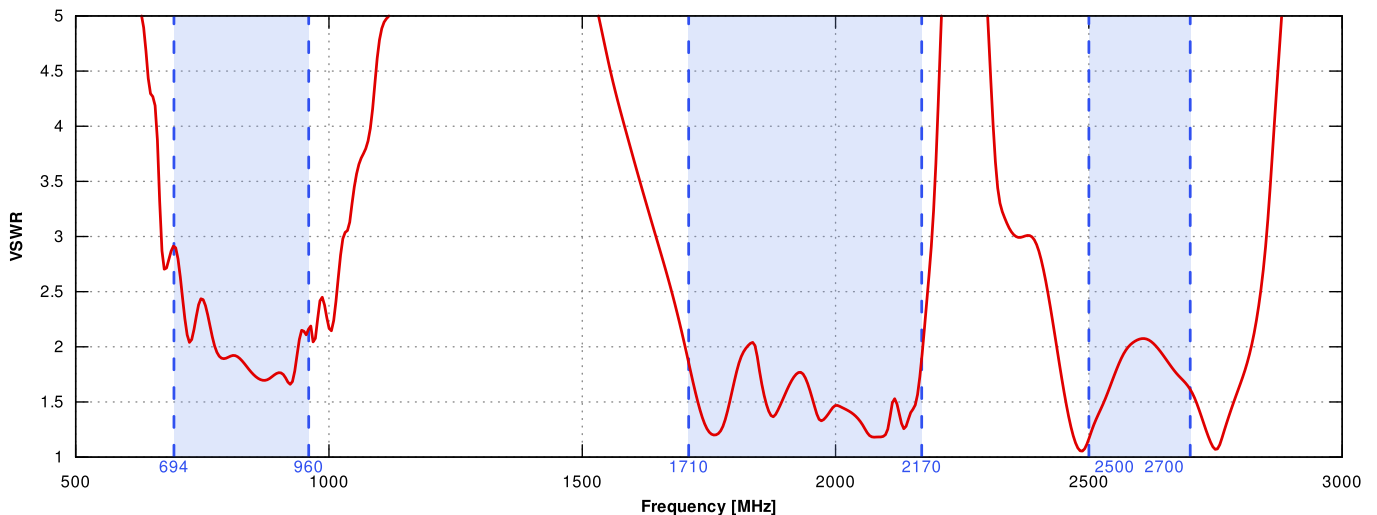
**LTE / 4G**

7	38	69					
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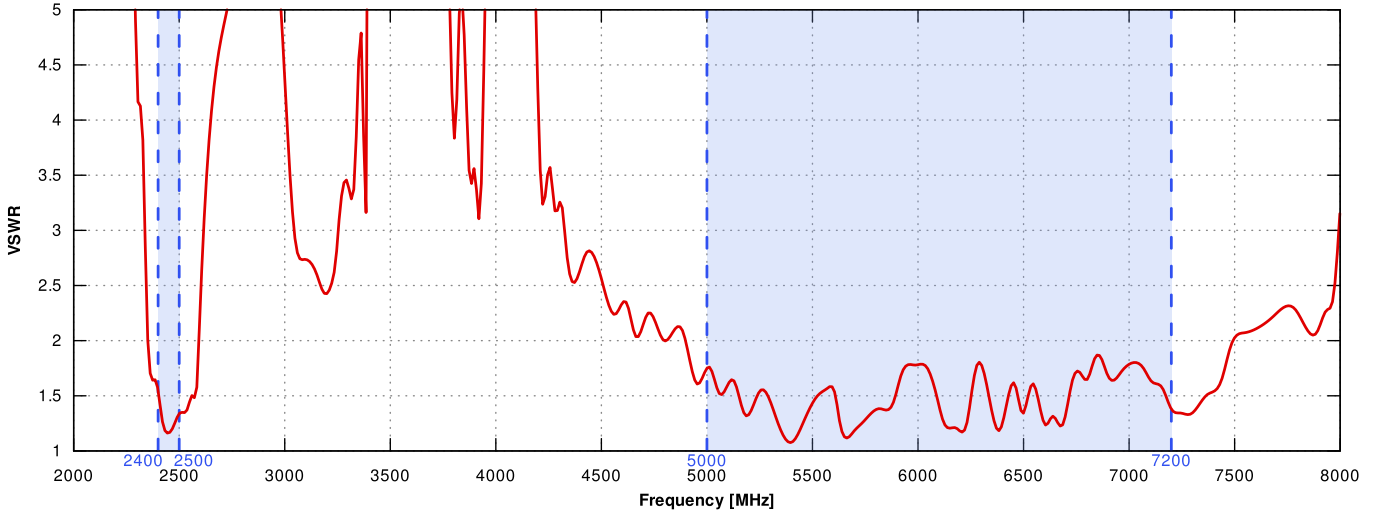
2400 MHz 2700 MHz

# PLOTS

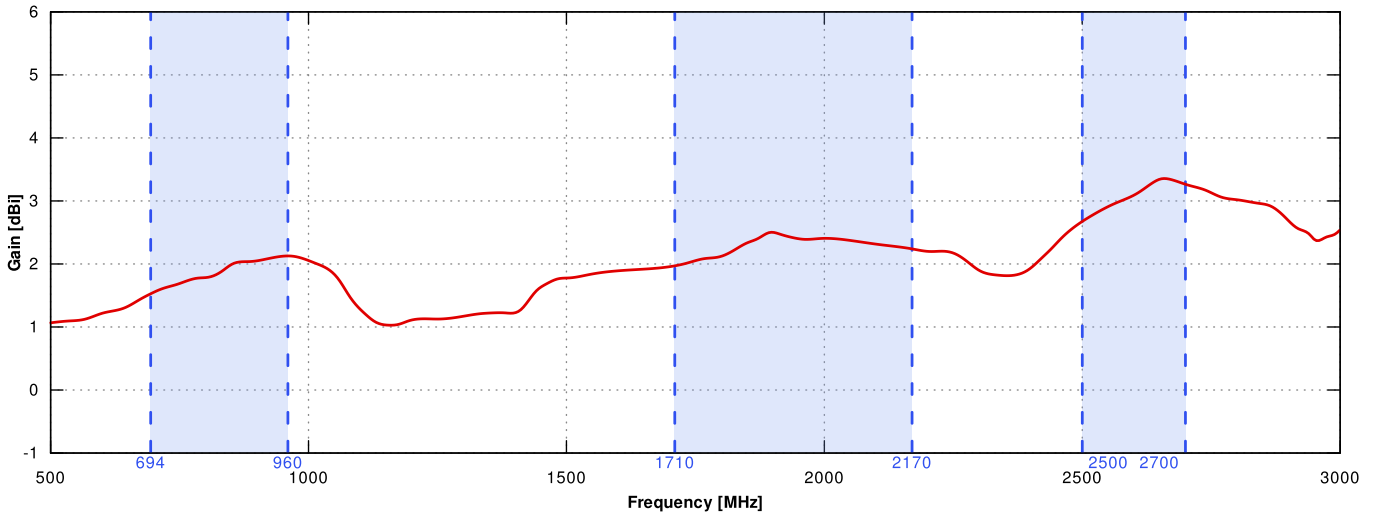
LTE VSWR



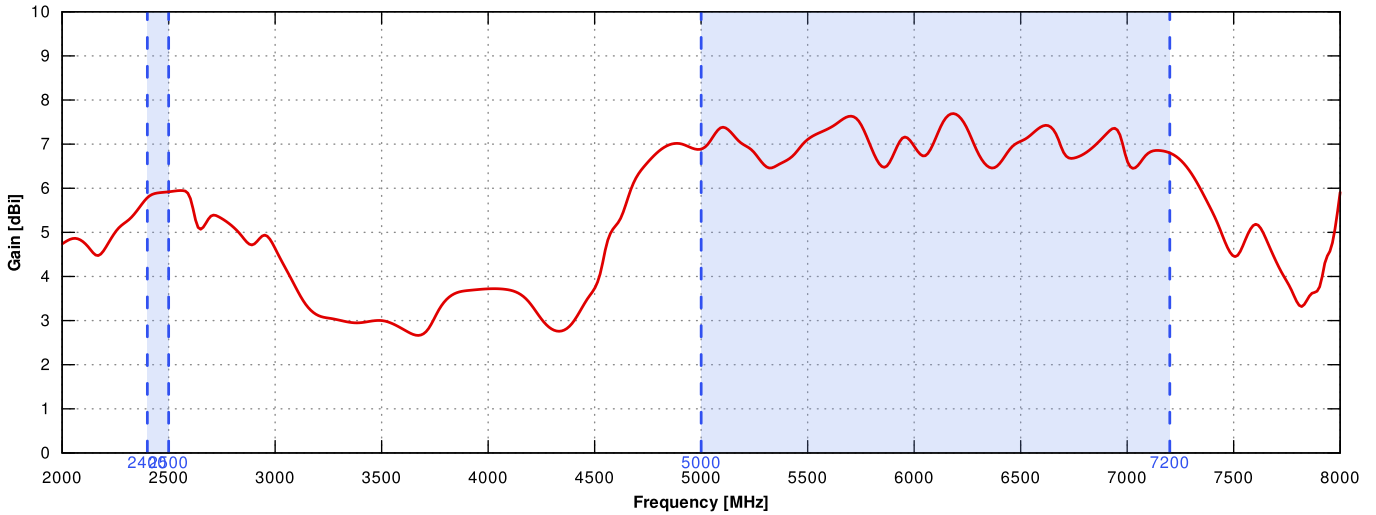
### Wi-Fi VSWR



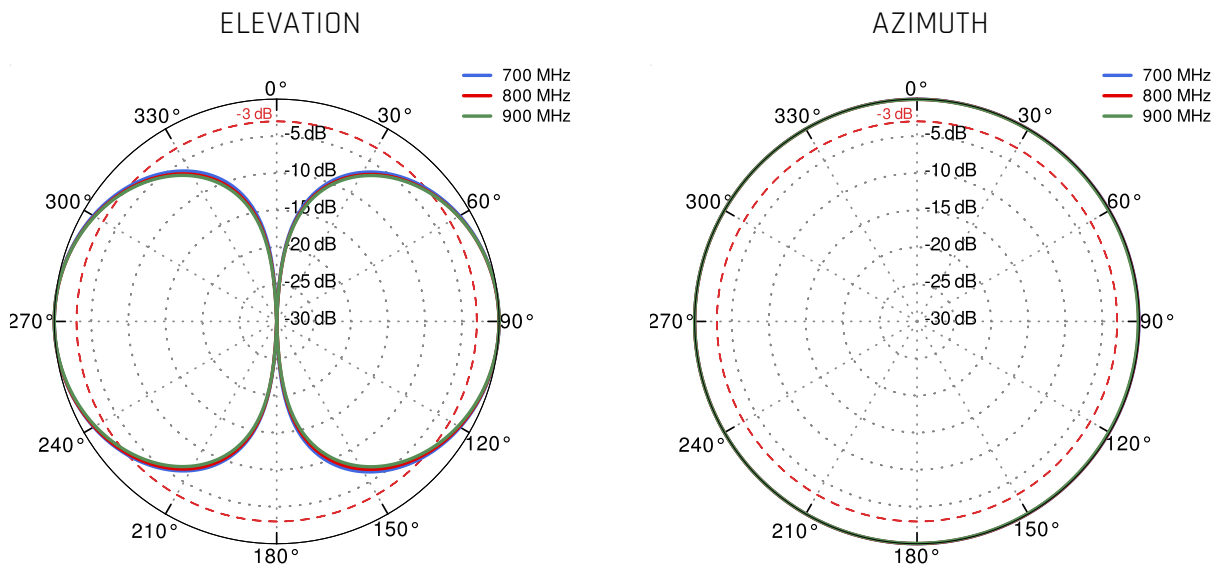
### LTE Gain



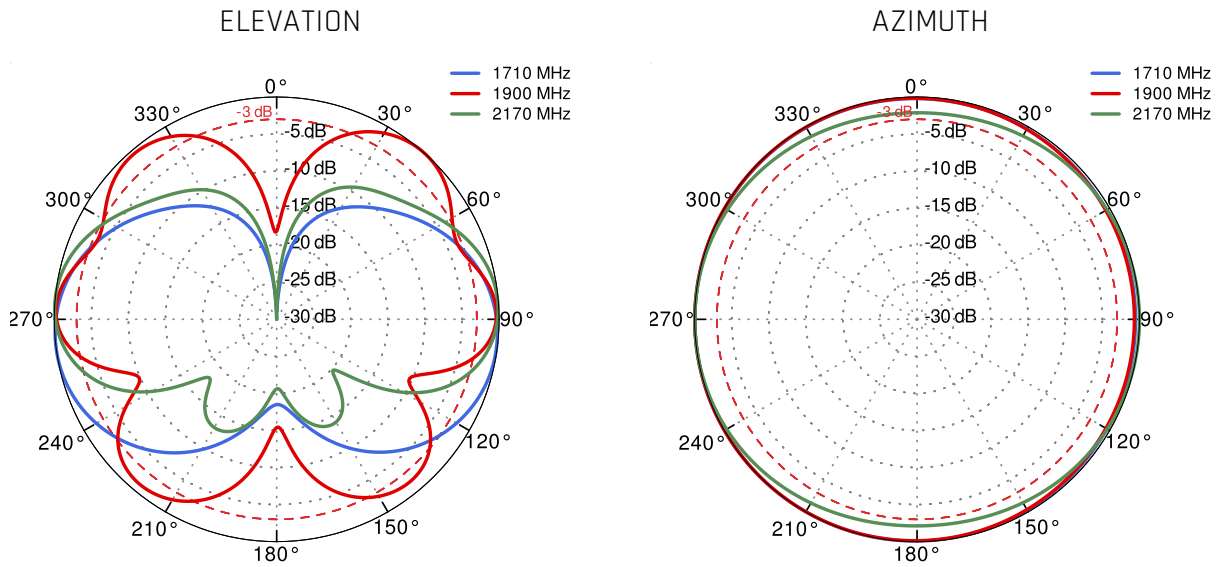
Wi-Fi Gain



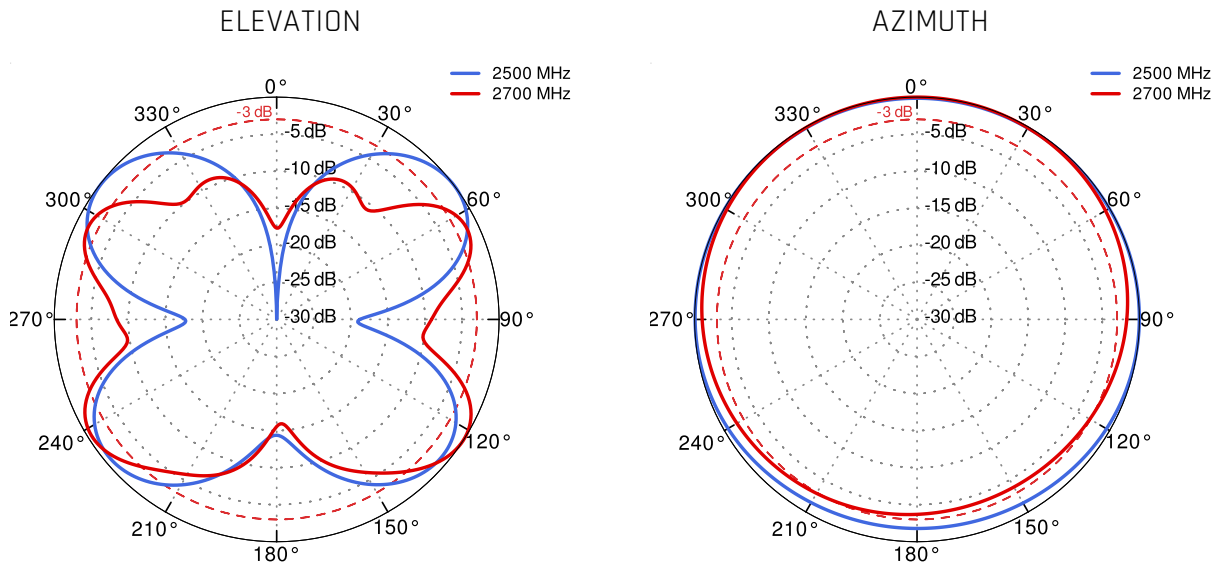
LTE From 700MHz to 900MHz



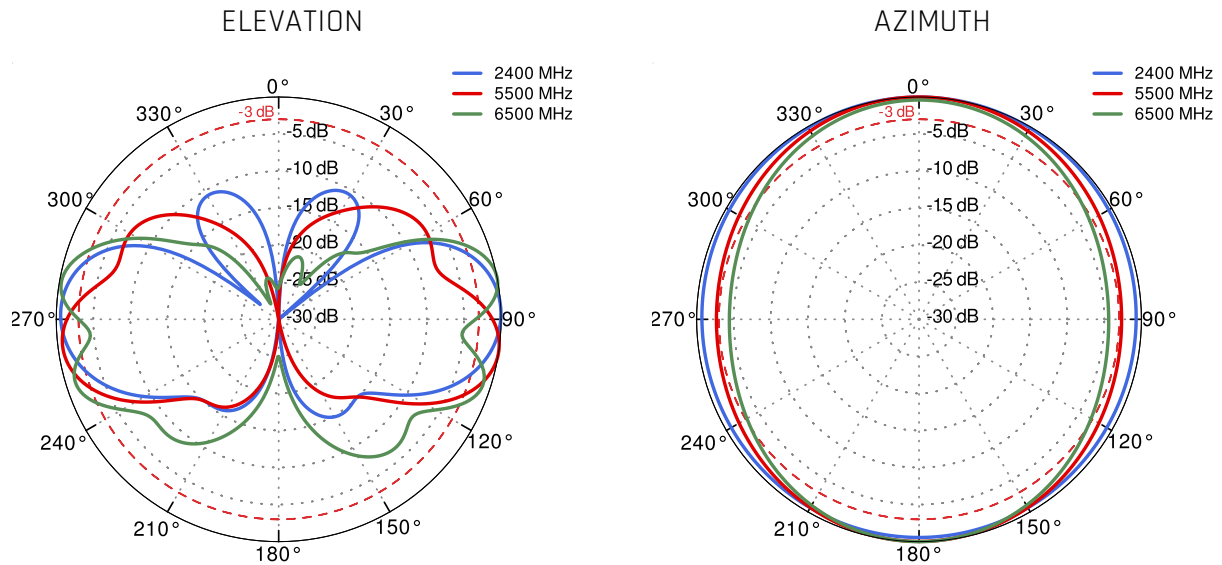
LTE From 1.71GHz to 2.17GHz



LTE From 2.5GHz to 2.7GHz



## Wi-Fi From 2.4GHz to 6.5GHz



**DIMENSIONS**
