

# QuMax for Robustel R1520

**INTEGRATED MULTI-BAND LTE DIRECTIONAL ANTENNA + WI-FI 6E ANTENNA + GPS ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL R1520 (ALL-IN-ONE)**

QuMax antenna for Robustel R1520 router is a perfect outdoor device for improving the signal in rural/suburban and locations where the mobile signal is weak. It has embedded directional LTE, Wi-Fi 6E and GPS antenna. If you use R1520 with QuMax 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



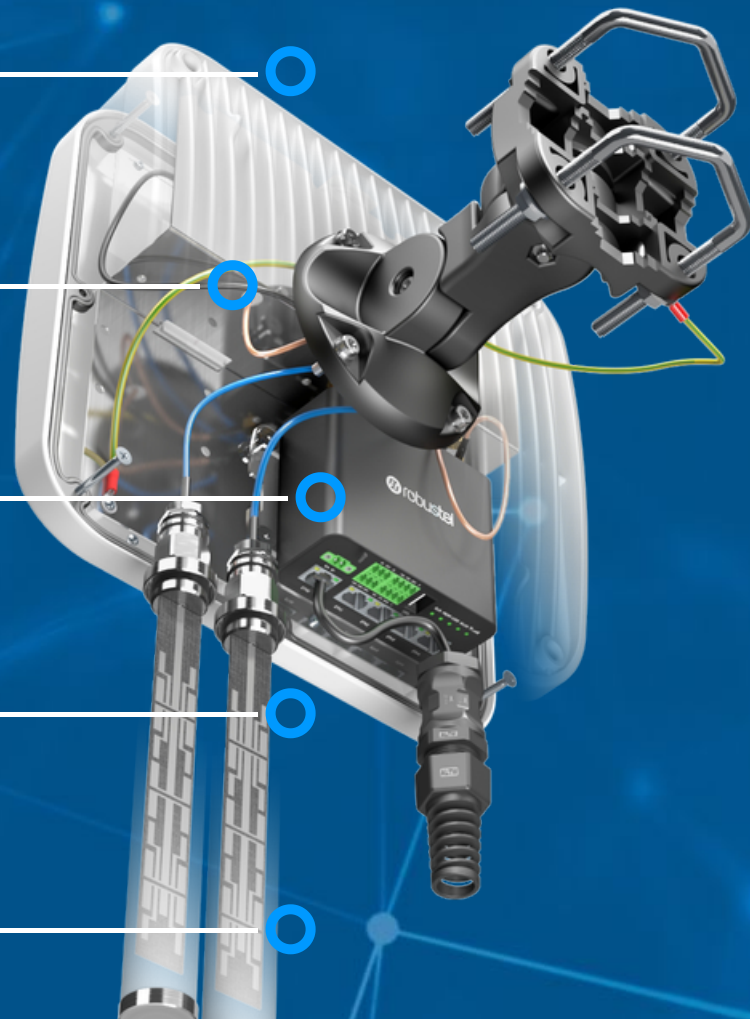
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R1520



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 2.2 - 2.7 GHz
<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, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n85, n89, n90, n95, n97, n98, n100, n101, n256
<b>GAIN</b>	694 - 960 MHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	70° /70° ±15°
<b>POLARIZATION</b>	Dual polarized X-Pol
<b>IMPEDANCE</b>	50 Ω
<b>FRONT-TO-BACK</b>	>10 dB

## 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 $\Omega$

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, 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 80°C From -40°F to 176°F
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm

**MAST DIAMETER**

 25-66mm  
 0.98-2.60 inch


**FREQUENCY BANDS**
**LTE / 4G GSM**

	5	8	12	13	14	17	18	
617 MHz	19	20	26	27	28	29	44	960 MHz
	67	68	85	103	n81	n82	n83	
	n89	n100						

**LTE / 4G UMTS**

	1	2	3	4	9	10	25	
1710 MHz	33	34	35	36	37	39	n80	2170 MHz
	n84	n86	n95	n98	n101			

**LTE / 4G WCS DARS**

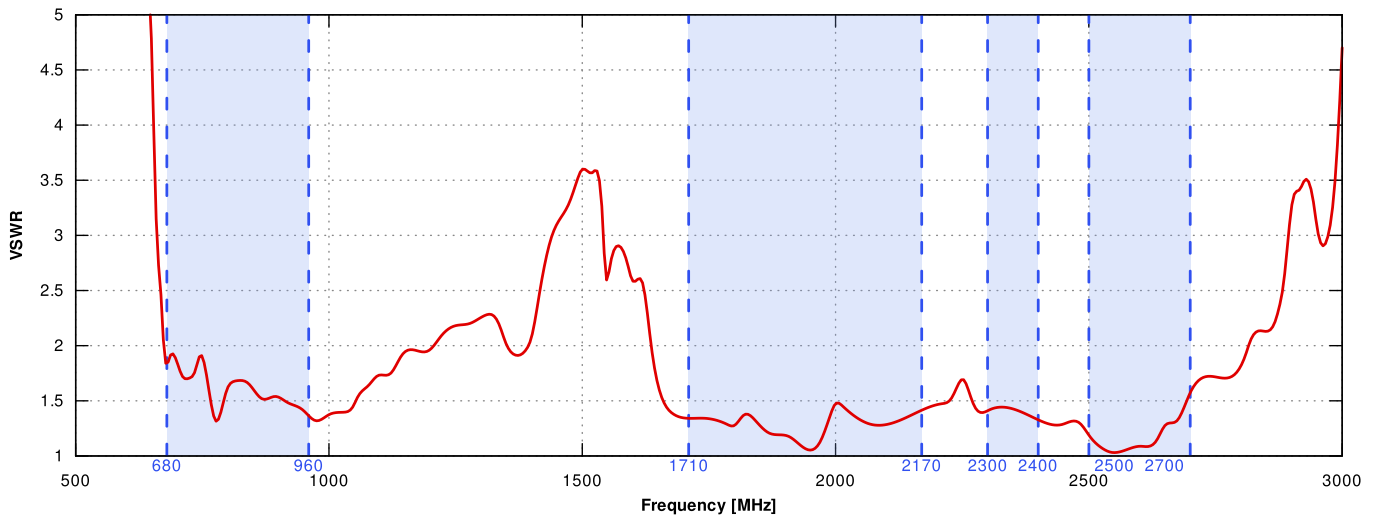
2300 MHz	30	40	n97					2400 MHz
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**LTE / 4G**

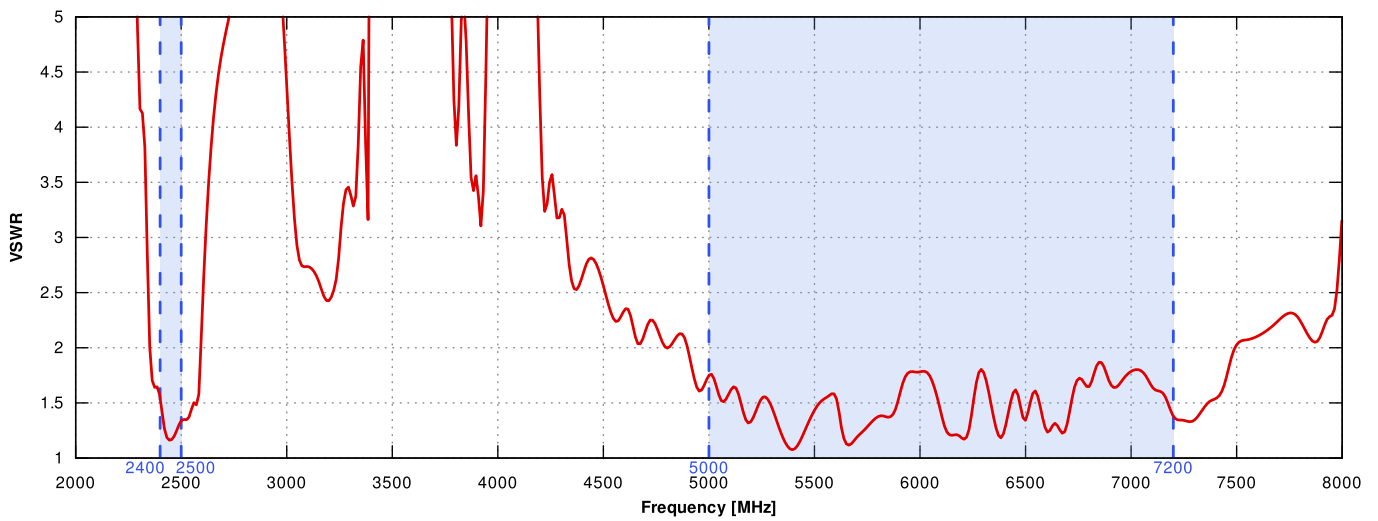
2400 MHz	7	38	41	53	69	n90		2700 MHz
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# PLOTS

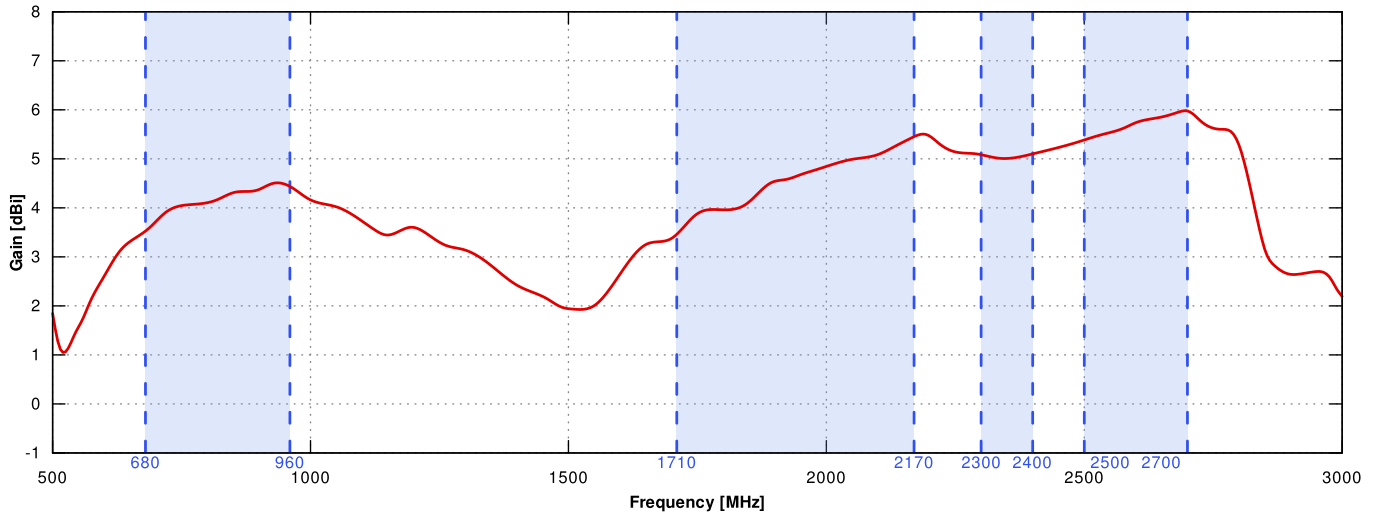
## LTE VSWR



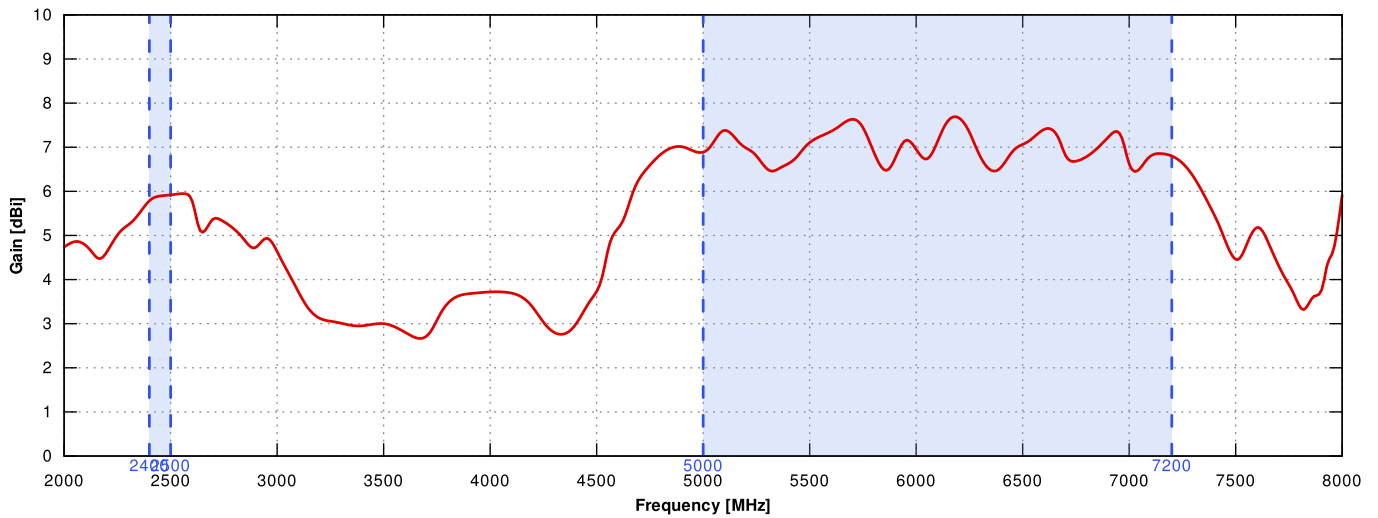
## Wi-Fi VSWR



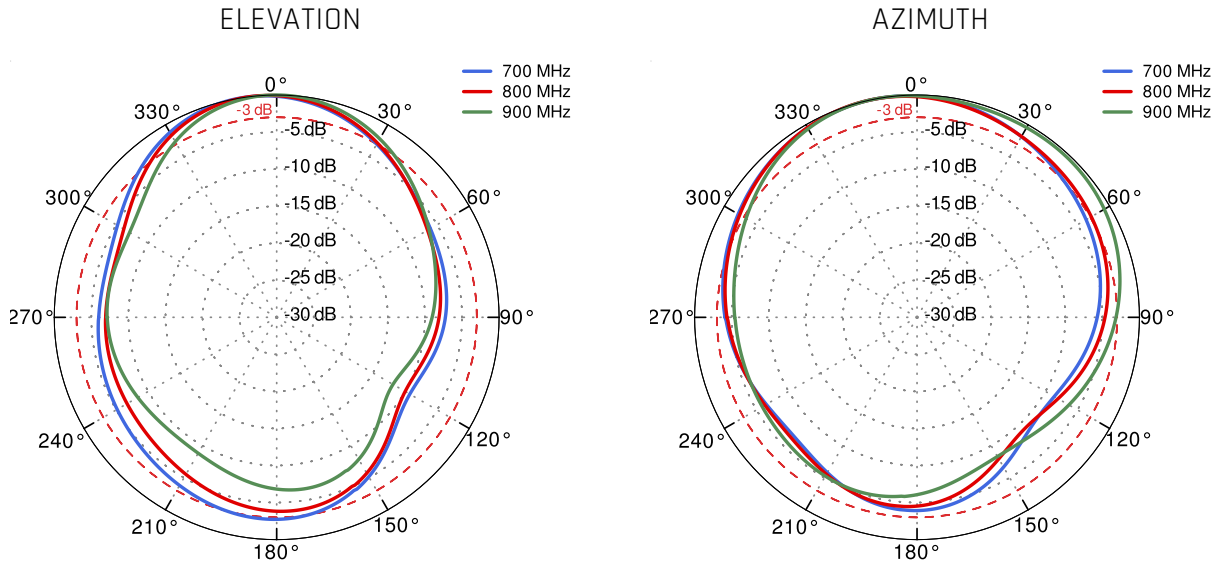
### LTE Gain



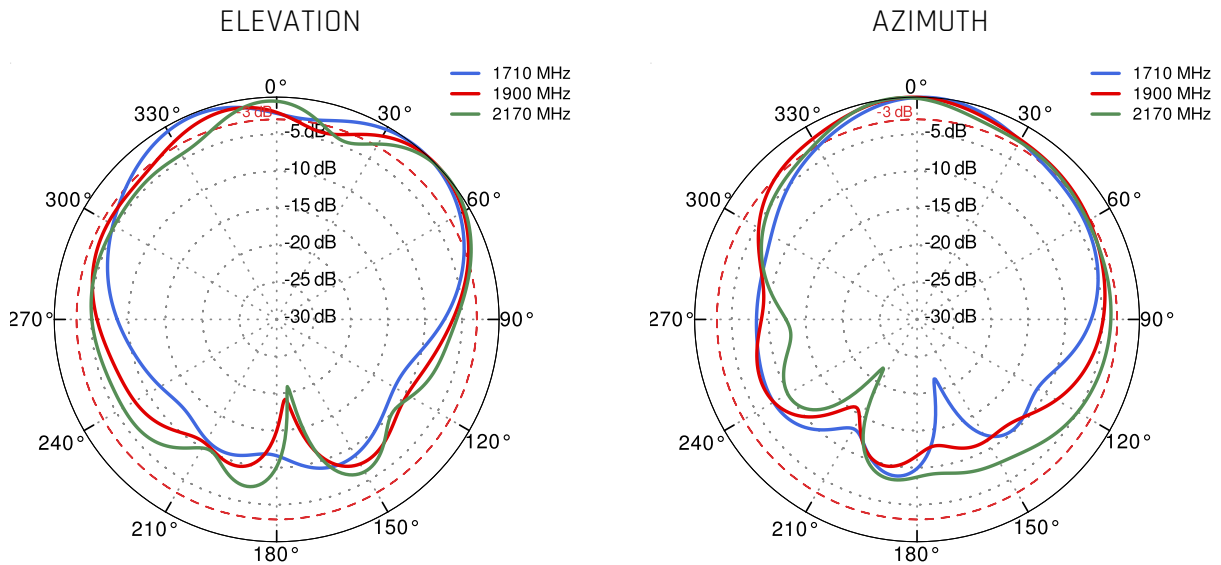
### Wi-Fi Gain



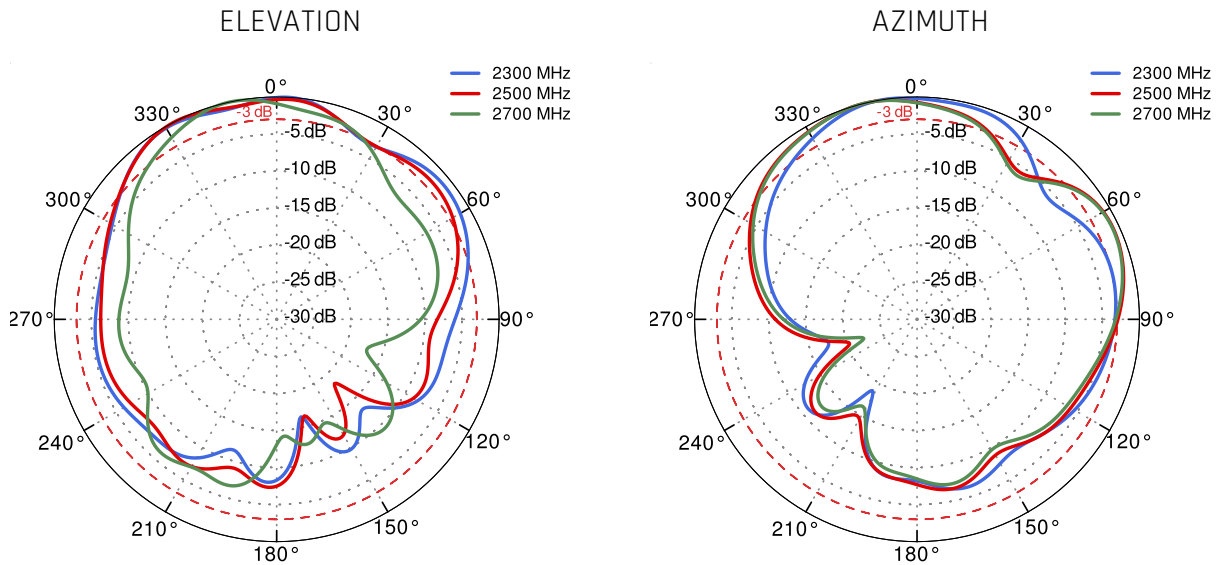
LTE From 700MHz to 900MHz



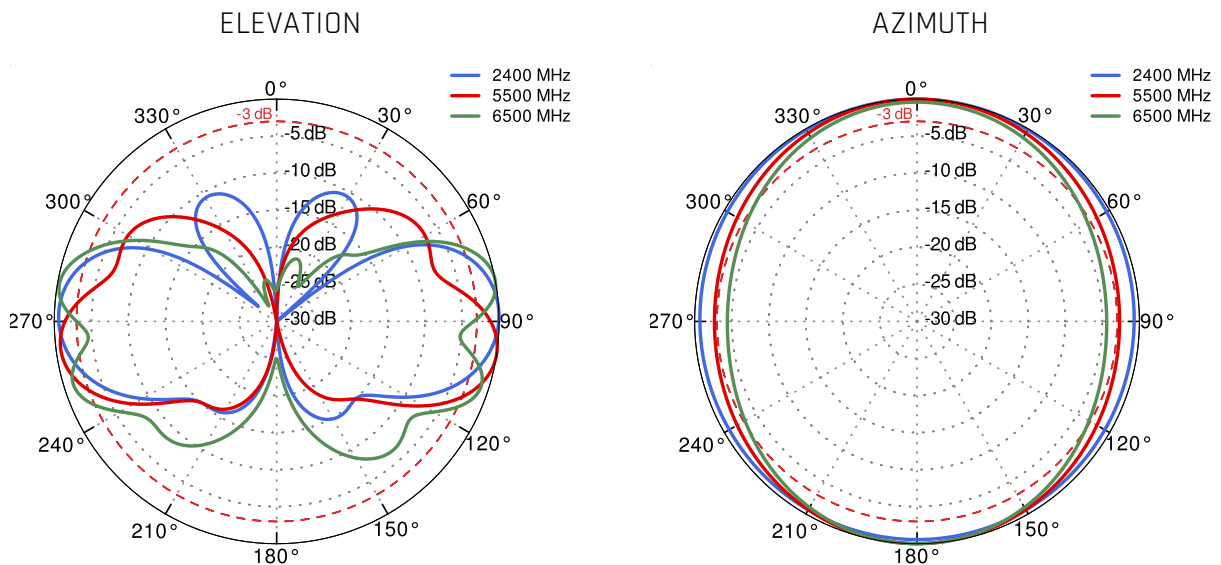
LTE From 1.71GHz to 2.17GHz



### LTE From 2.3GHz to 2.7GHz



### Wi-Fi From 2.4 GHz to 6.5 GHz



## **DIMENSIONS**

