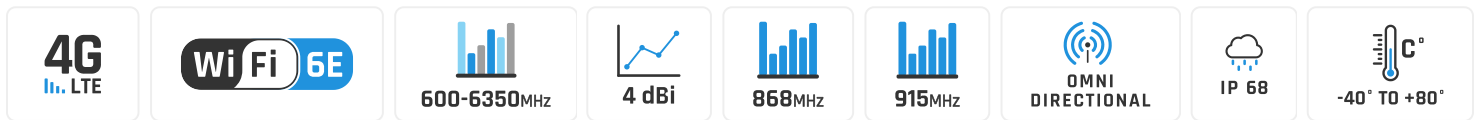


# QuSpot for Robustel R1520-LG

**INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WIFI OMNI ANTENNA + LORA OMNI ANTENNA + PLACE TO INSTALL ROBUSTEL R1520-LG (ALL-IN-ONE)**

QuSpot omni LTE antenna for Robustel R1520-LG router is a perfect outdoor device for mobile and fixed installations like industrial, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded also omni Wi-Fi and omni LoRa antenna. If you use R1520-LG with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

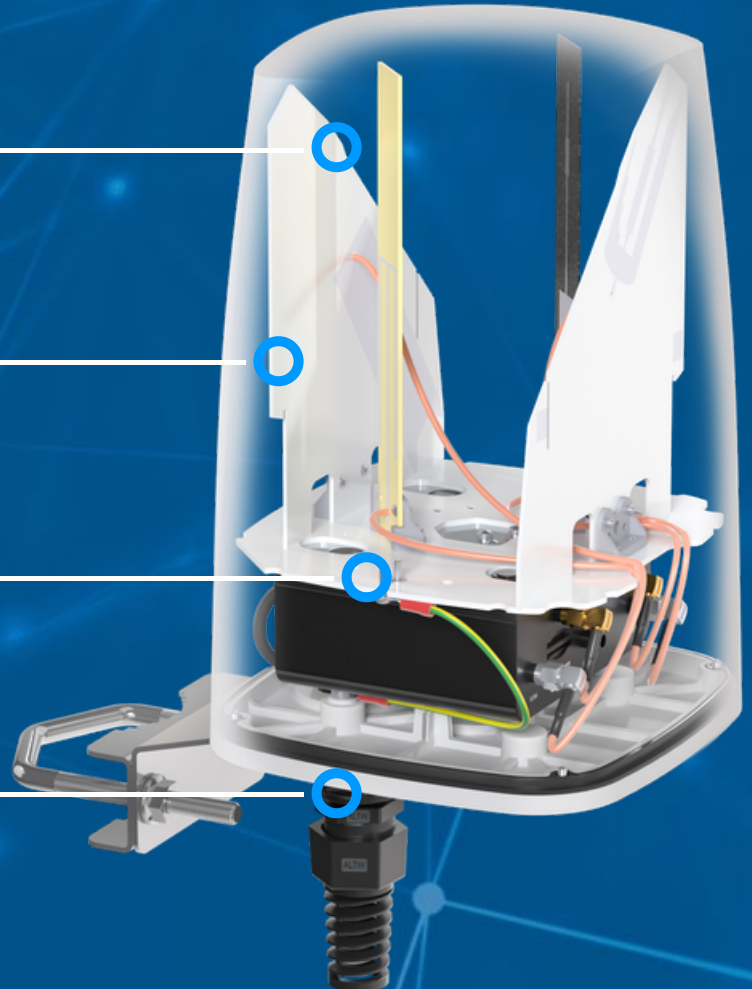


 OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68

 ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R1520-LG

 ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE

 MADE IN **EUROPE**



## 5G/LTE SPECIFICATION

<b>FREQUENCY</b>	0.6 - 1.4 GHz 1.5 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.35 GHz
<b>MAX. GAIN</b>	0.6 - 1.4 GHz : 2.6 dBi 1.5 - 3.0 GHz : 4.2 dBi 3.0 - 5.0 GHz : 4.4 dBi 5.0 - 6.35 GHz : 2.1 dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 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, n53, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n105, n106, n250, n251, n252, n253, n254, n255, n256
<b>VSWR</b>	<2.00, max <3.00
<b>BEAMWIDTH</b>	360°/35° +/- 5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## WI-FI SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.0 - 7.125 GHz
<b>MAX. GAIN</b>	2.40 - 2.50 GHz : 6 dBi 5.0 - 7.125 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

## LORA SPECIFICATION

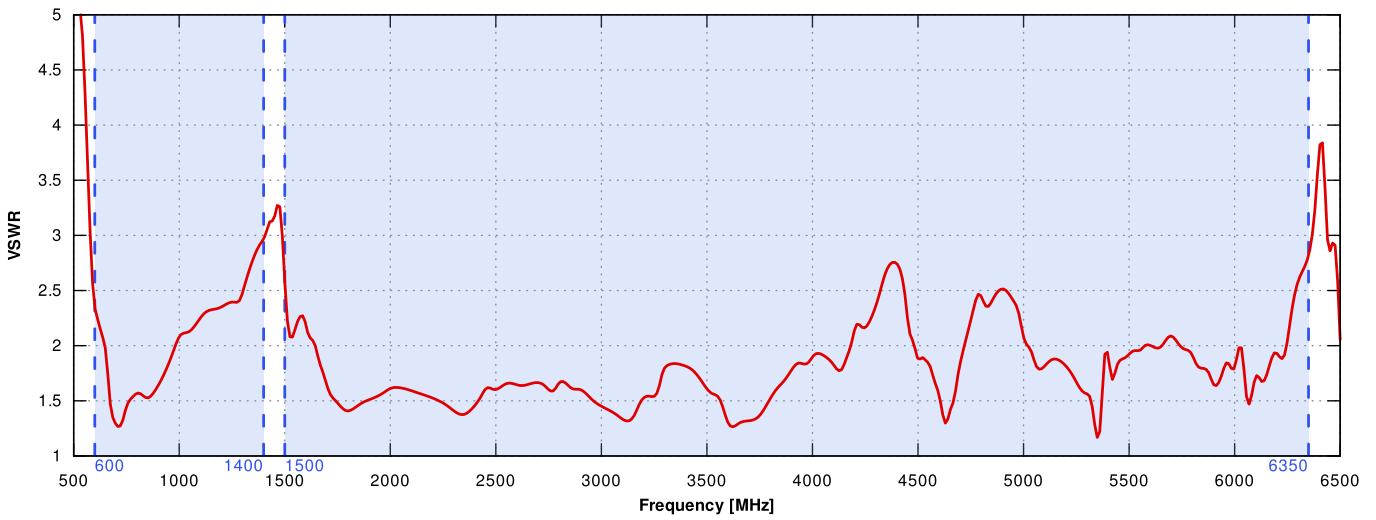
<b>FREQUENCY</b>	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
<b>GAIN</b>	3 dBi
<b>VSWR</b>	<1.20, max <2.00
<b>BEAMWIDTH</b>	360°/70° ±10°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω
<b>FRONT TO BACK</b>	>17 dB

## MECHANICAL SPECIFICATION

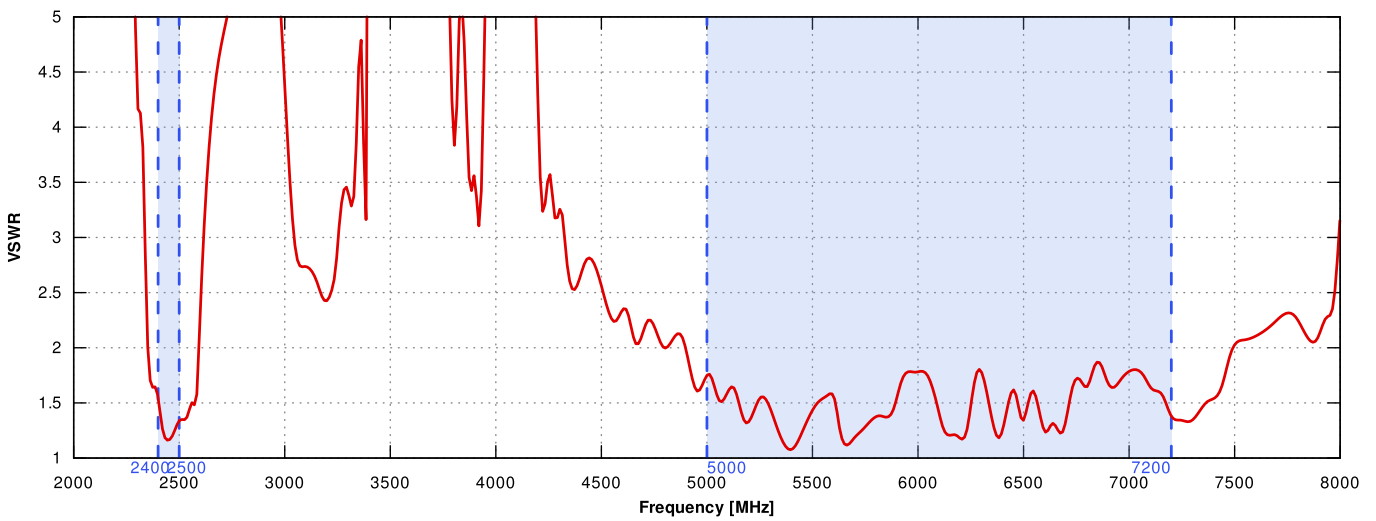
<b>MATERIAL</b>	ABS, aluminum, PTFE, FR4
<b>INGRESS PROTECTION</b>	IP68
<b>CONNECTOR TYPE</b>	RJ45
<b>DIMENSIONS</b>	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
<b>WEIGHT</b>	1.5 kg 3.31 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 75°C From -40°F to 167°F
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.5 - 0.7 Nm
<b>MAST DIAMETER</b>	25-66 mm 0.98-2.60 inch

## PLOTS

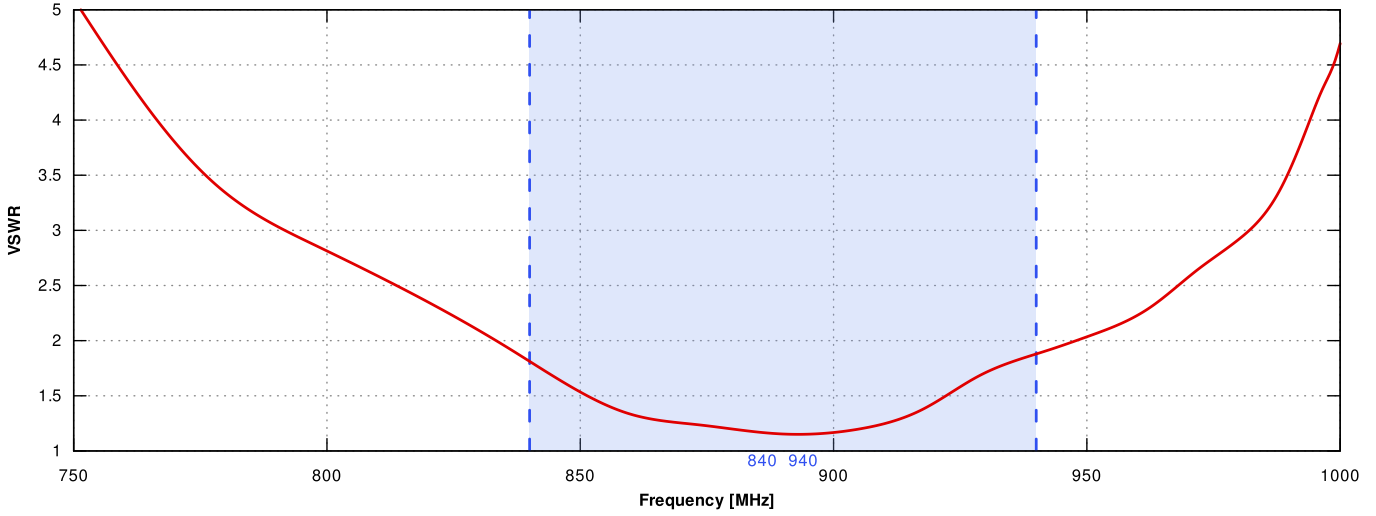
VSWR for 5G/LTE antenna



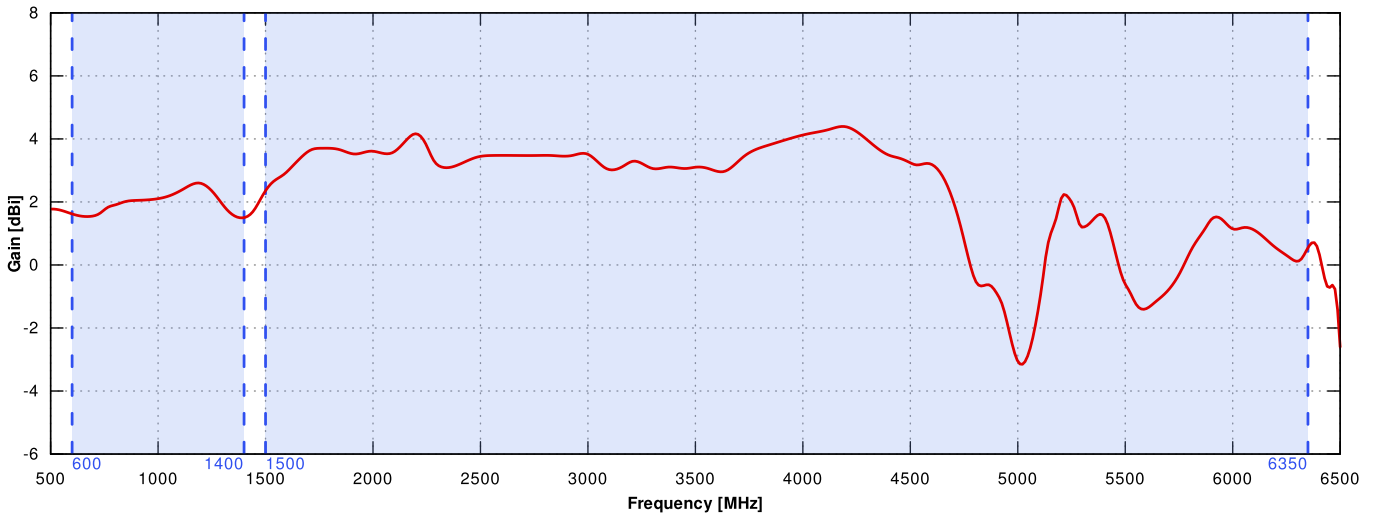
VSWR for Wi-Fi antenna



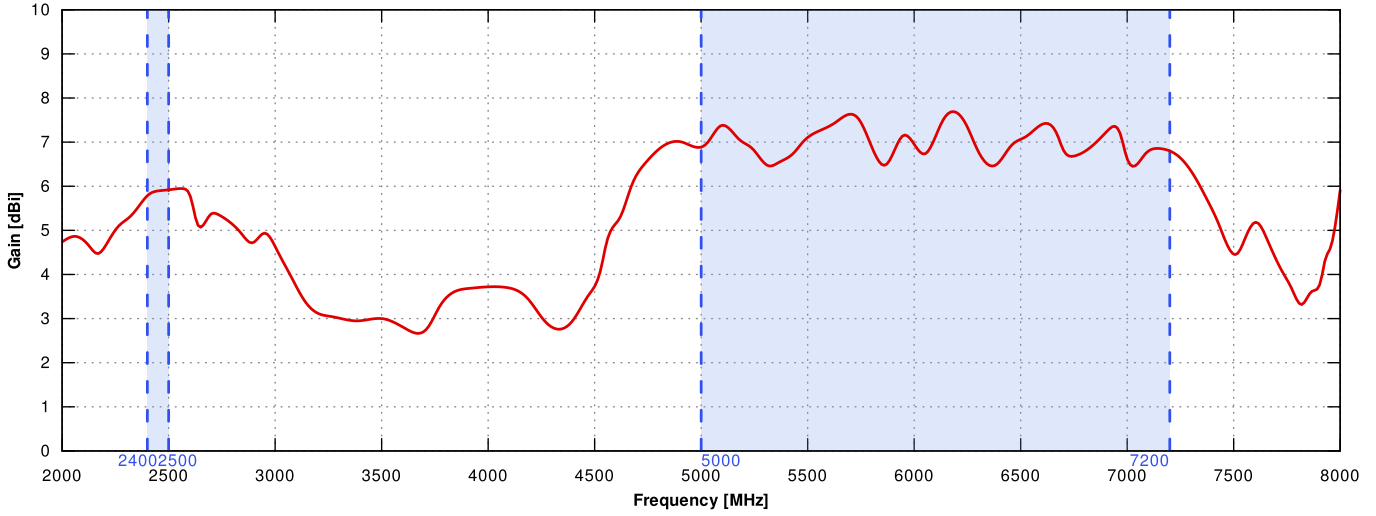
### VSWR for LoRa antenna



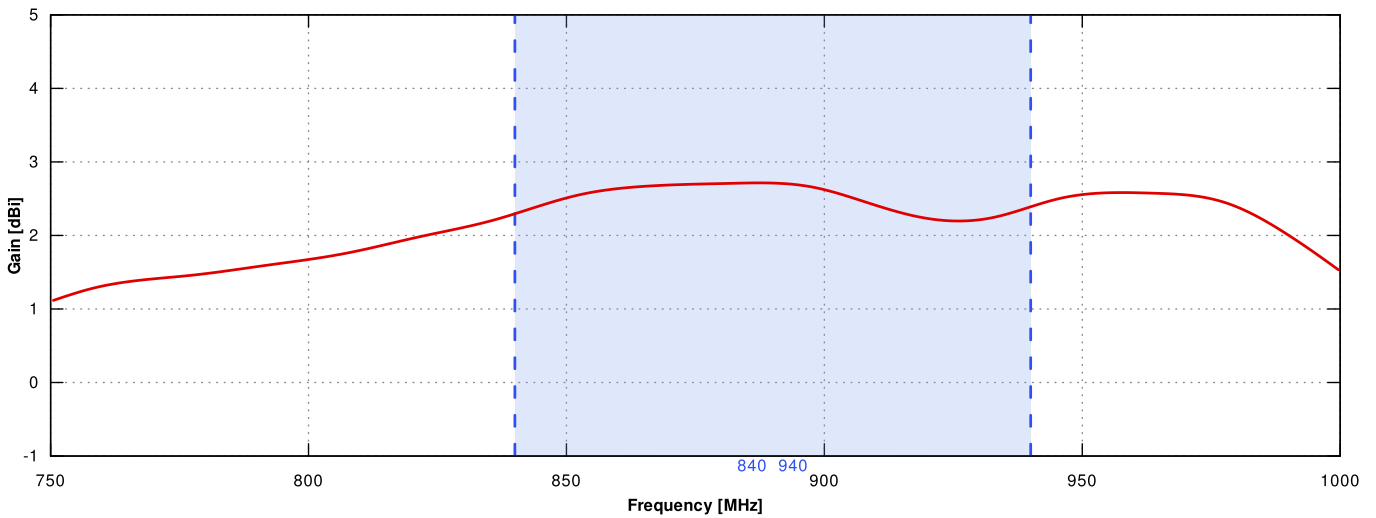
### Gain for 5G/LTE antenna



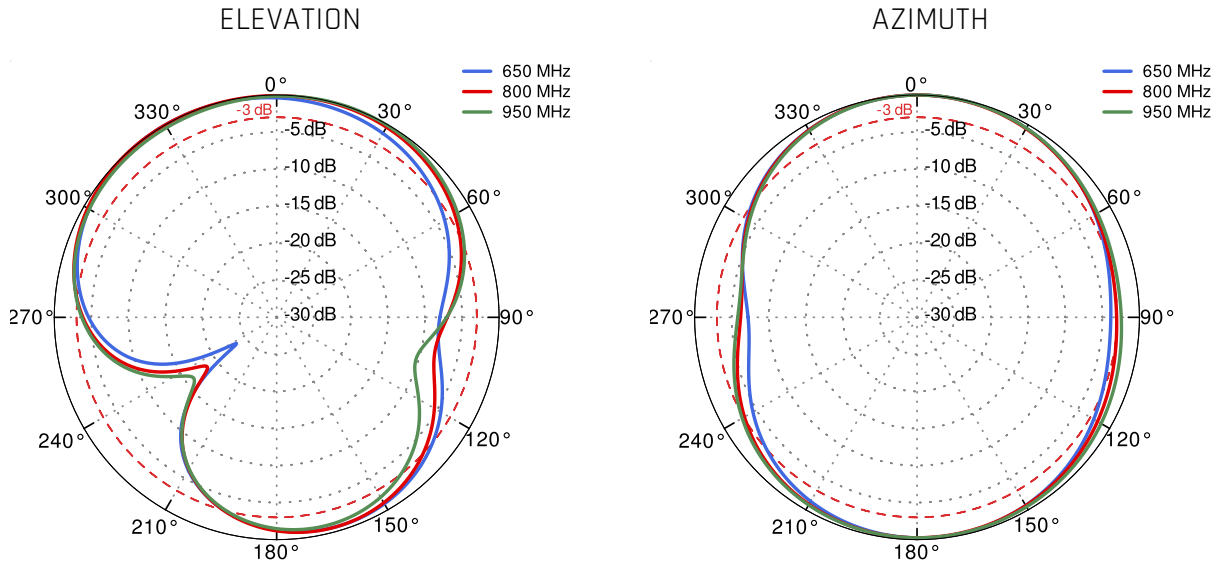
### Gain for Wi-Fi antenna



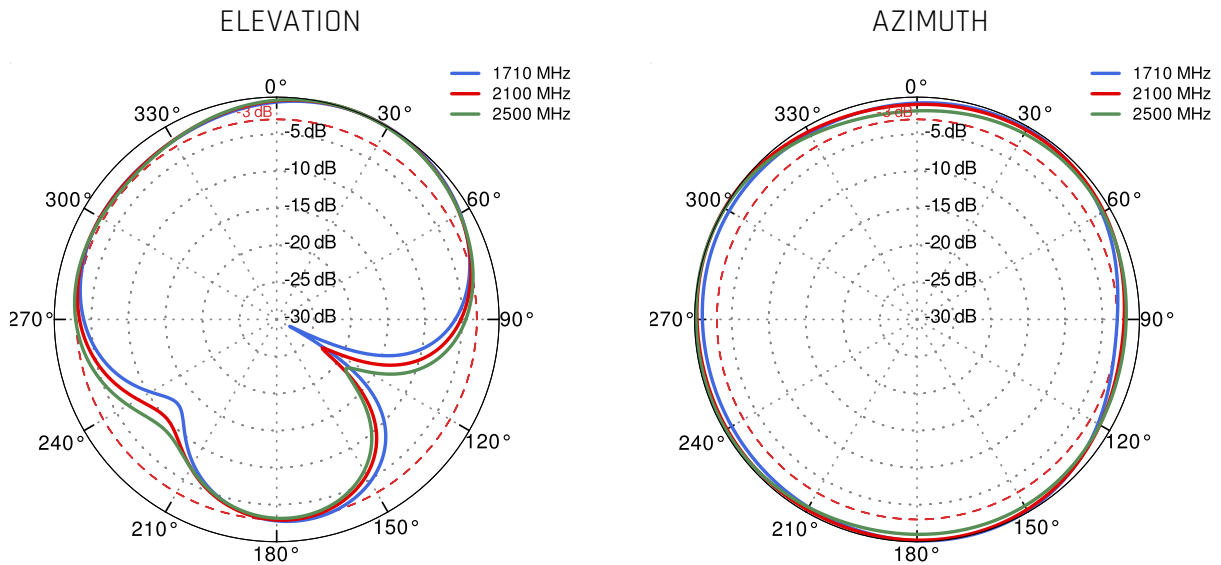
### Gain for LoRa antenna

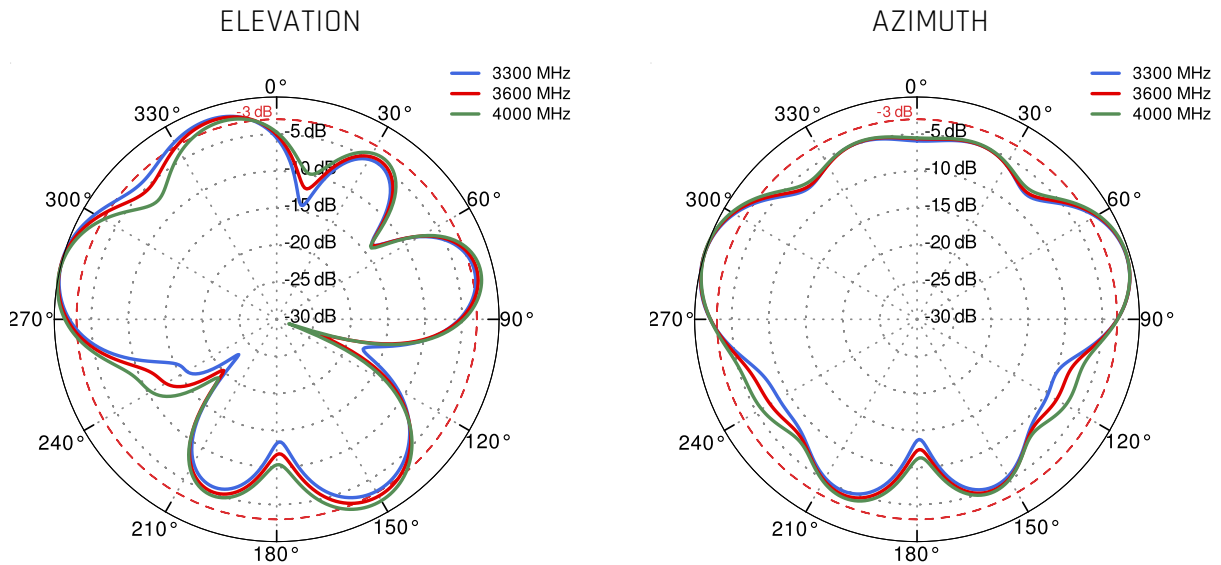
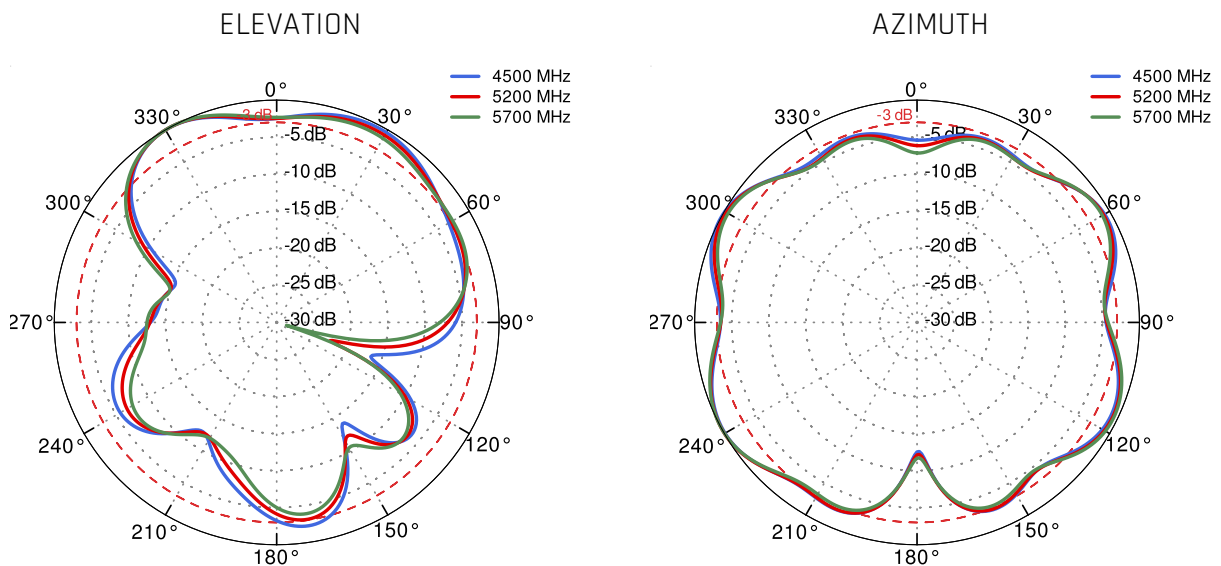


5G/LTE from 650MHz to 950MHz

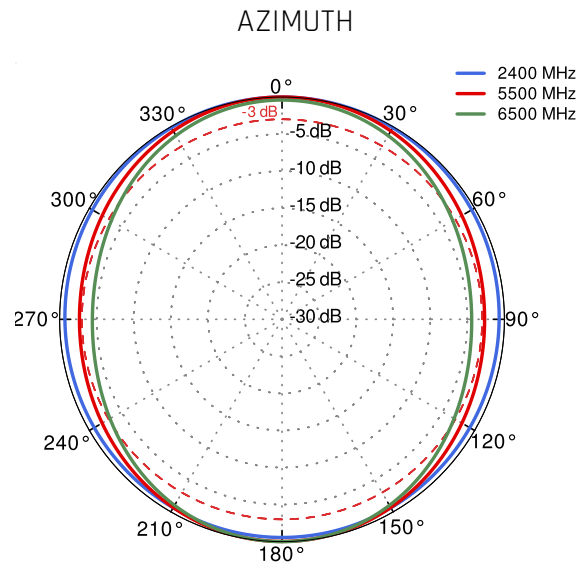
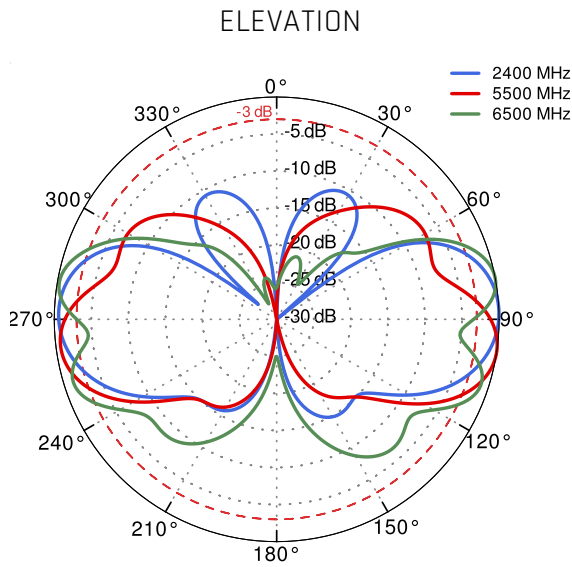


5G/LTE from 1.71GHz to 2.5GHz

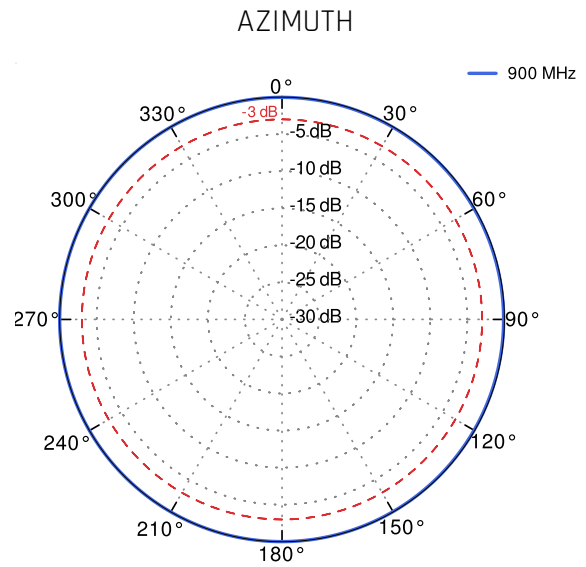
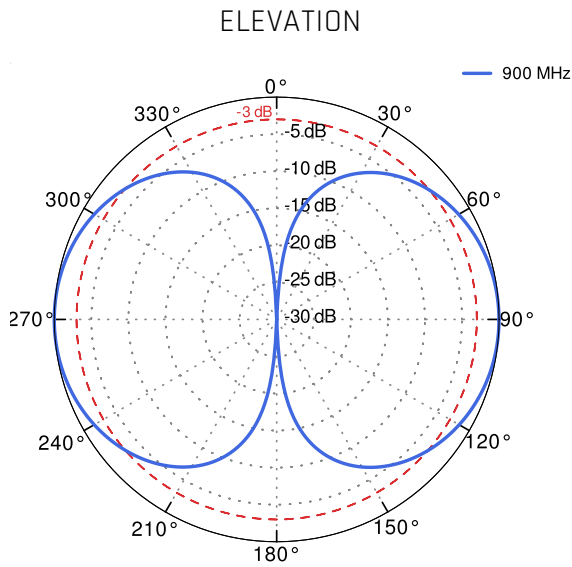


**5G/LTE from 3.3GHz to 4.0GHz**

**5G/LTE from 4.5GHz to 5.5GHz**


Wi-Fi 2.4GHz and 5GHz and 6GHz



LoRa 840 to 940 MHz



## **DIMENSIONS**

