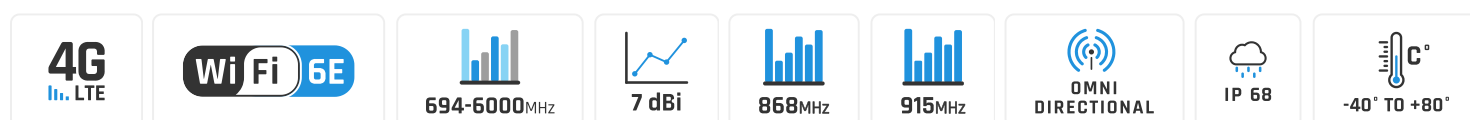


# QuSpot for Robustel R1520-LG

**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



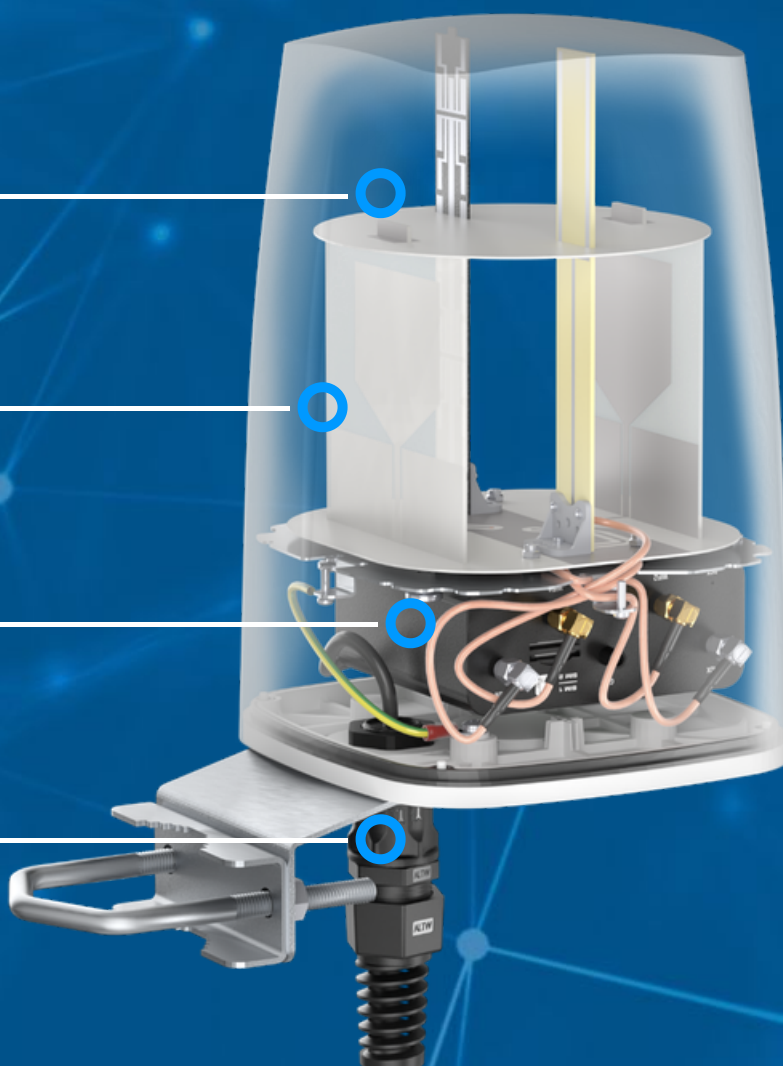
ANTENNA PERFECTLY MATCHED WITH  
THE ROBUSTEL R1520-LG



ALL ANTENNAS AND ROBUSTEL  
ROUTER INTEGRATED IN ONE  
ENCLOSURE



MADE IN **EUROPE**



## LTE SPECIFICATION

FREQUENCY	0.694-0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
GAIN	0.694 - 0.96 GHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.2 - 2.7 GHz : 4 dBi
VSWR	<1.60, max <2.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.125 GHz
GAIN	2.40 - 2.50 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## LORA SPECIFICATION

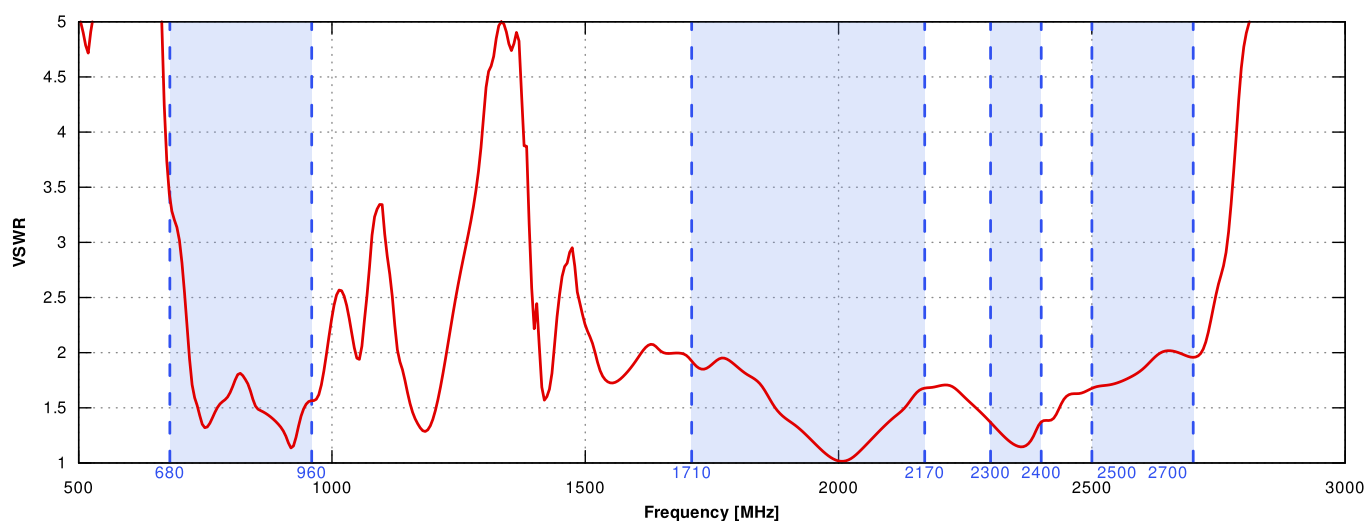
FREQUENCY	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
GAIN	3 dBi
VSWR	<1.20, max <2.00
BEAMWIDTH	360°/70° ±10°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$
FRONT TO BACK	>17 dB

## MECHANICAL SPECIFICATION

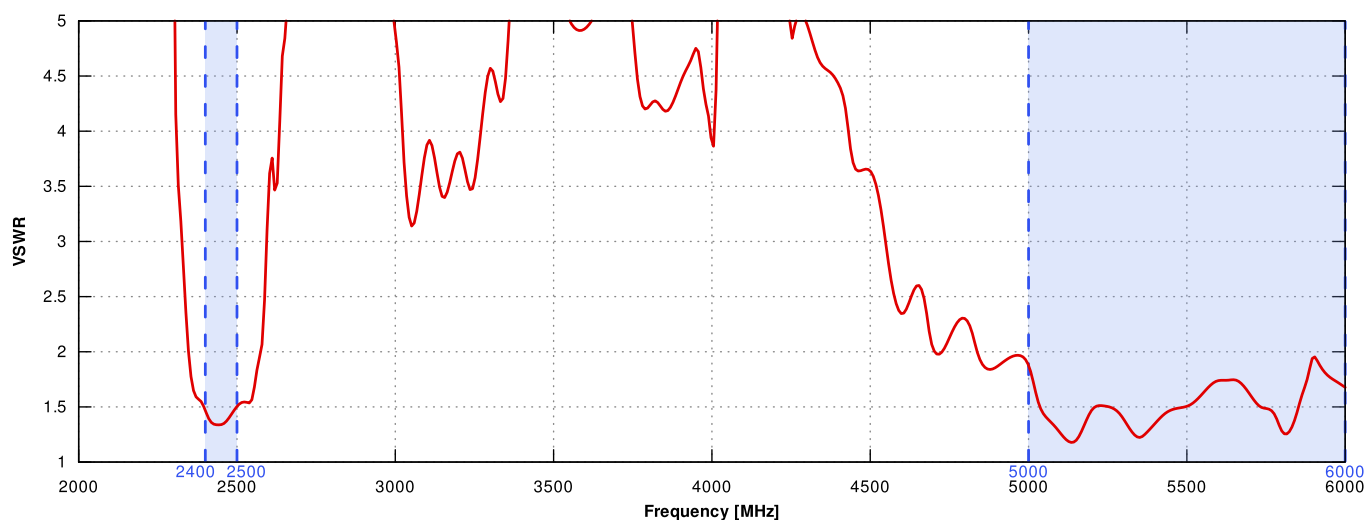
MATERIAL	ABS, aluminum, PTFE, FR4
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0,5 - 0,7 Nm
MAST DIAMETER	40-66 mm 1.57-2.60 inch

## PLOTS

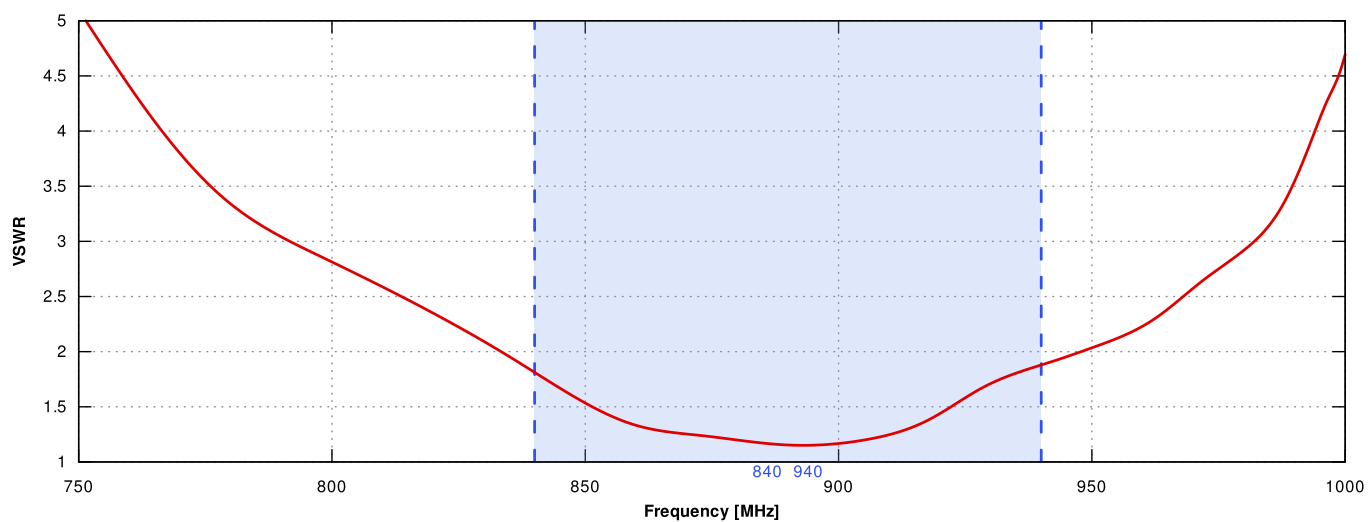
VSWR for LTE antenna



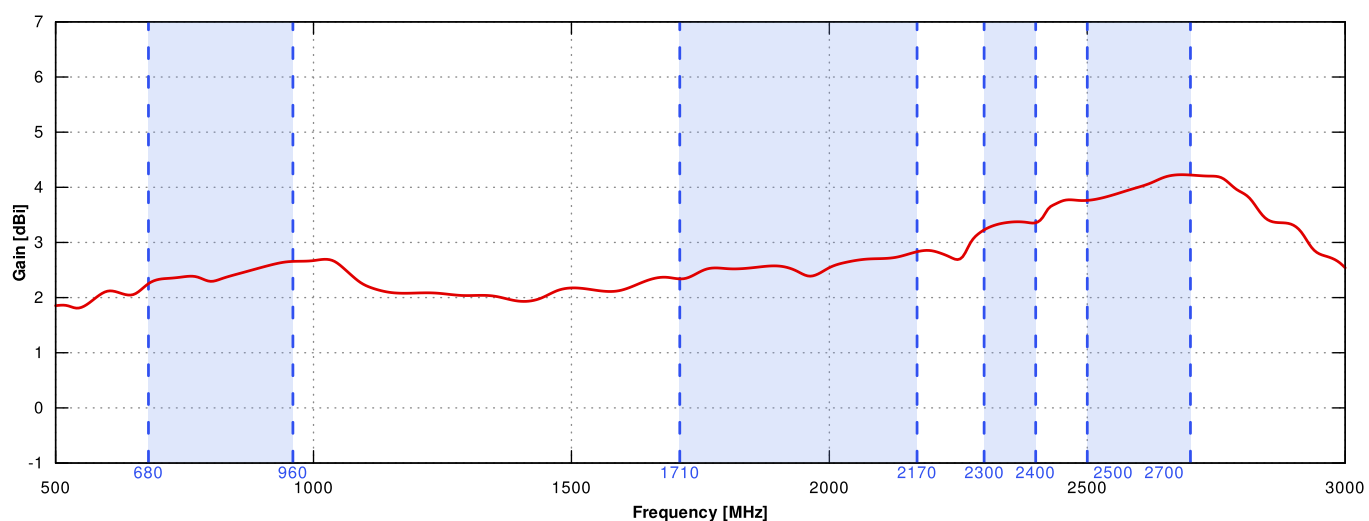
VSWR for Wi-Fi antenna



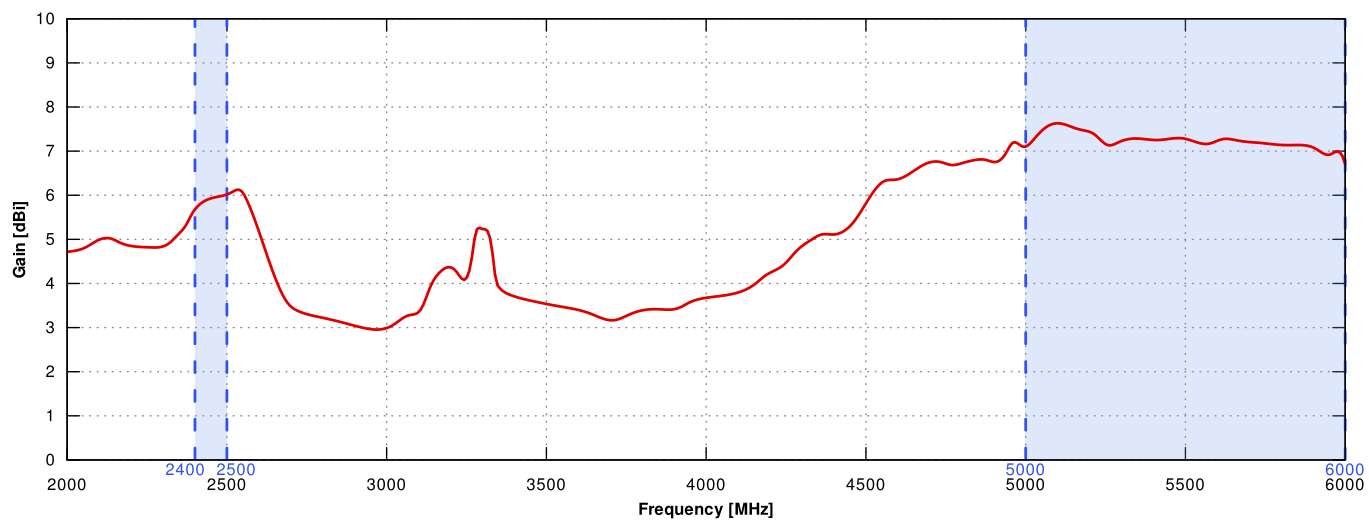
## VSWR for LoRa antenna



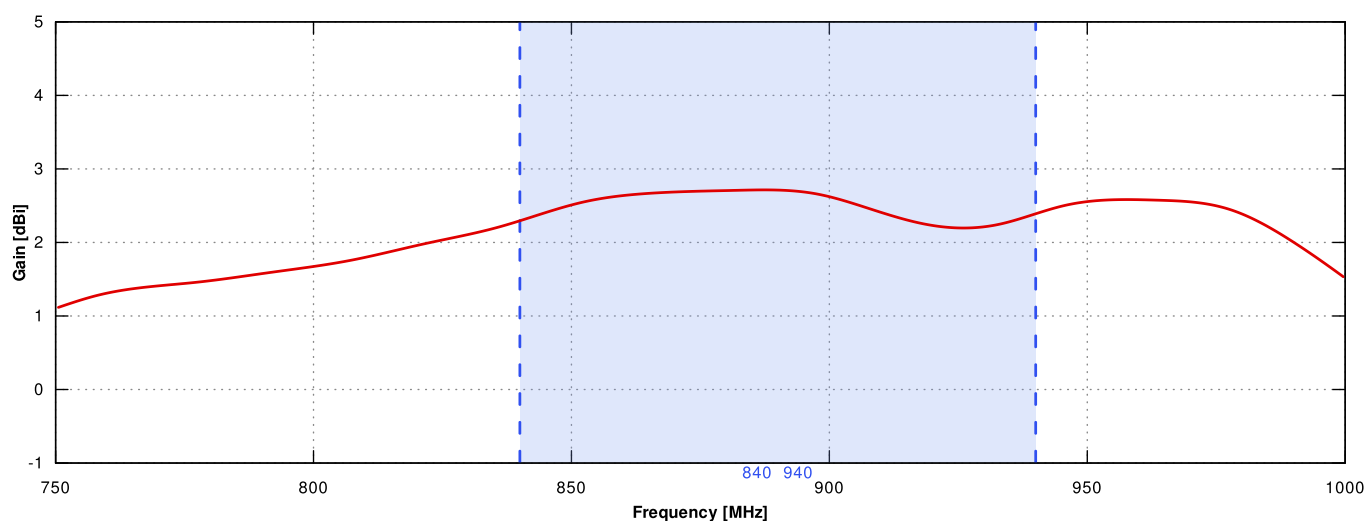
## Gain for LTE antenna



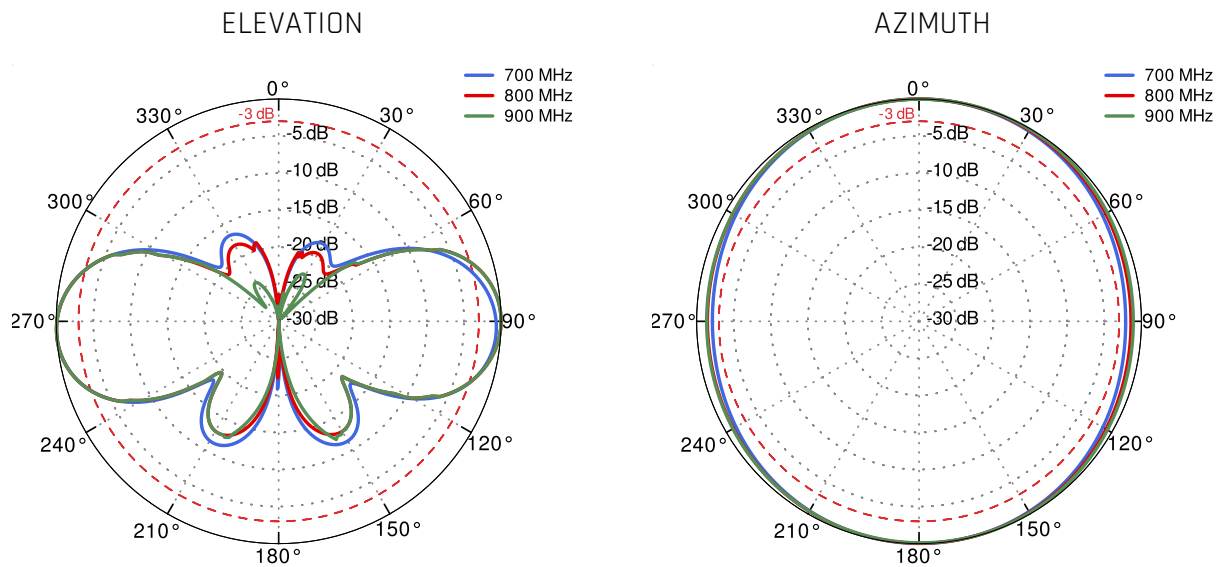
## Gain for Wi-Fi antenna



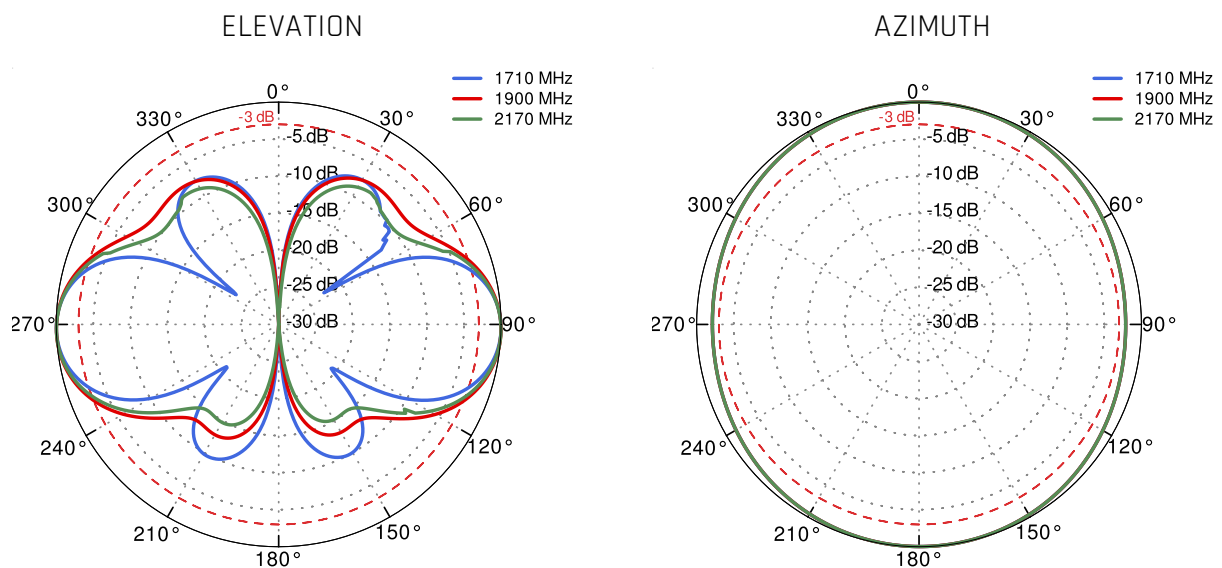
## Gain for LoRa antenna



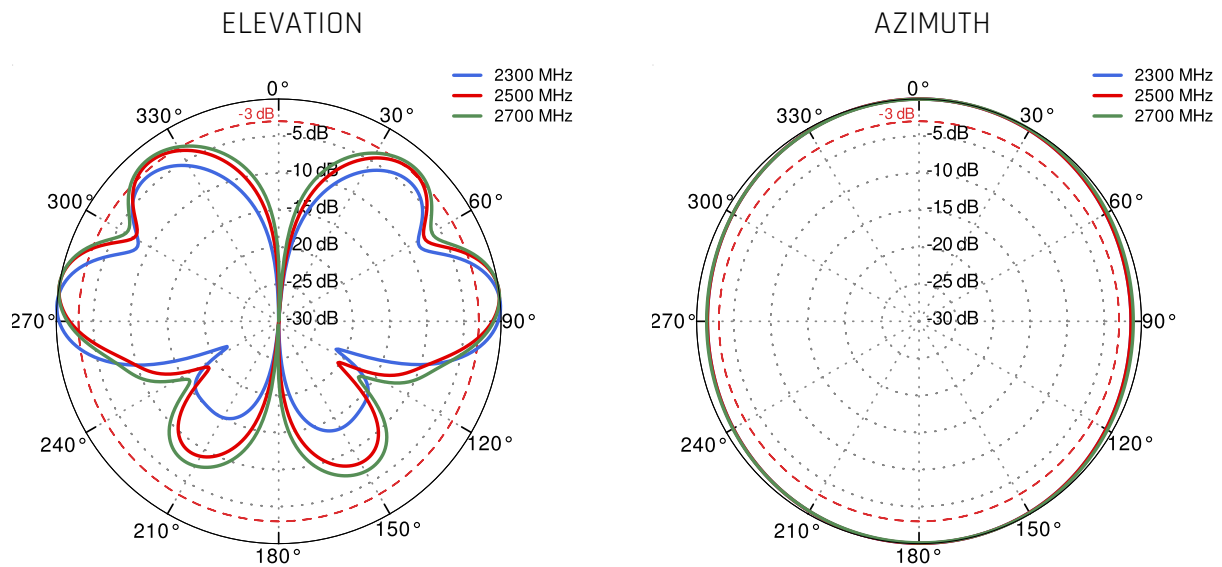
## LTE from 700MHz to 900MHz



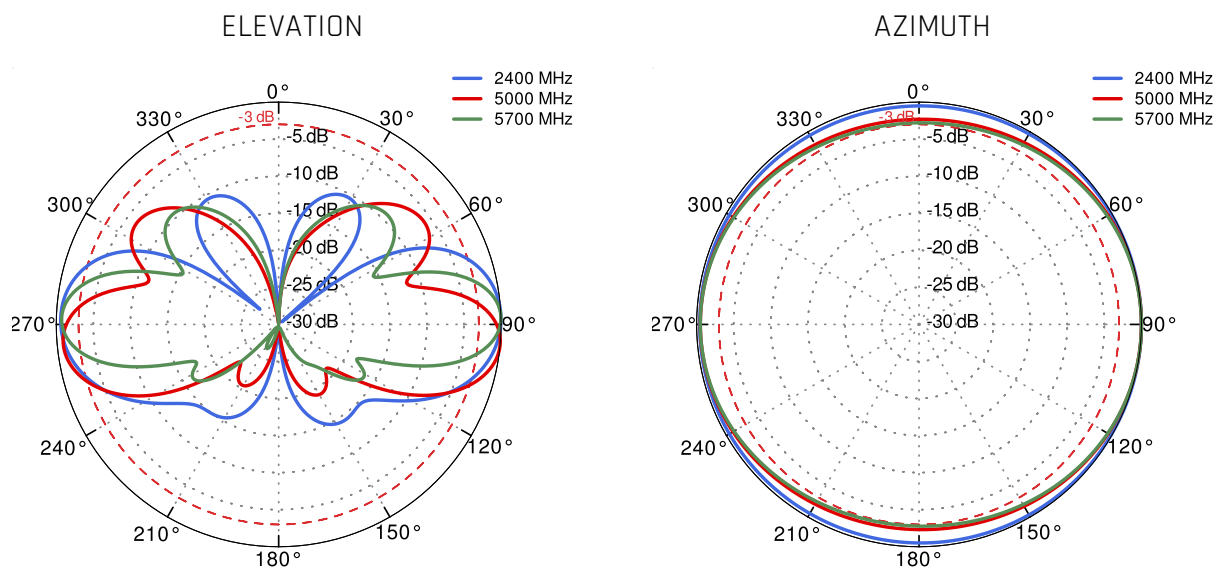
## LTE from 1.71GHz to 2.17GHz



## LTE from 2.3GHz to 2.7GHz

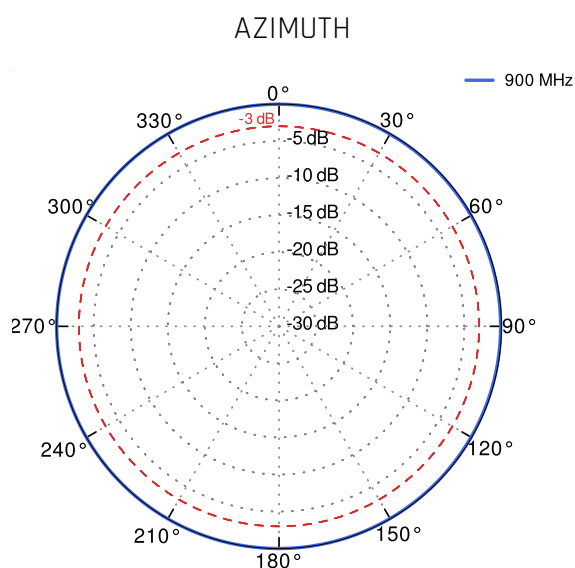
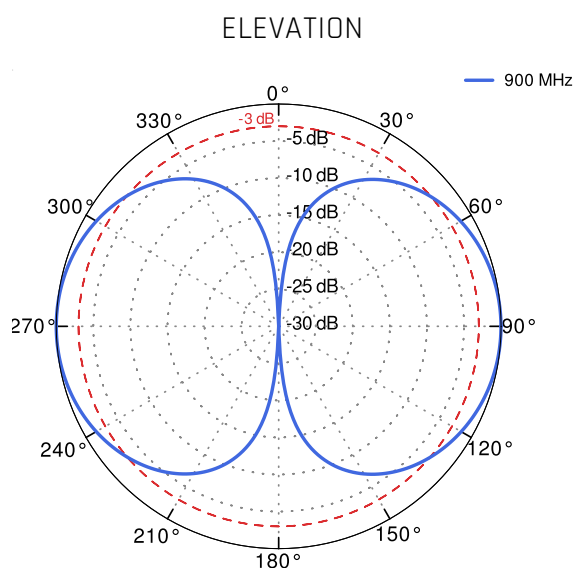


## Wi-Fi 2.4GHz and 5GHz and 6GHz





LoRa 840 to 940 MHz



## DIMENSIONS

