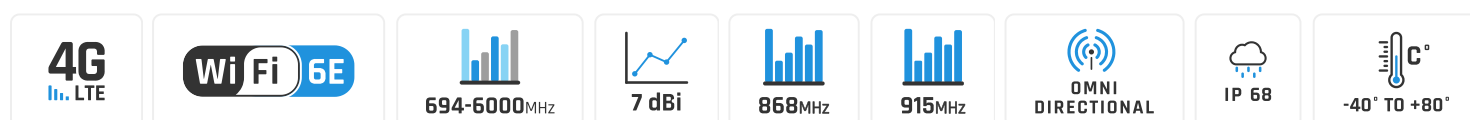


# QuSpot for Robustel R1520-LG

**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



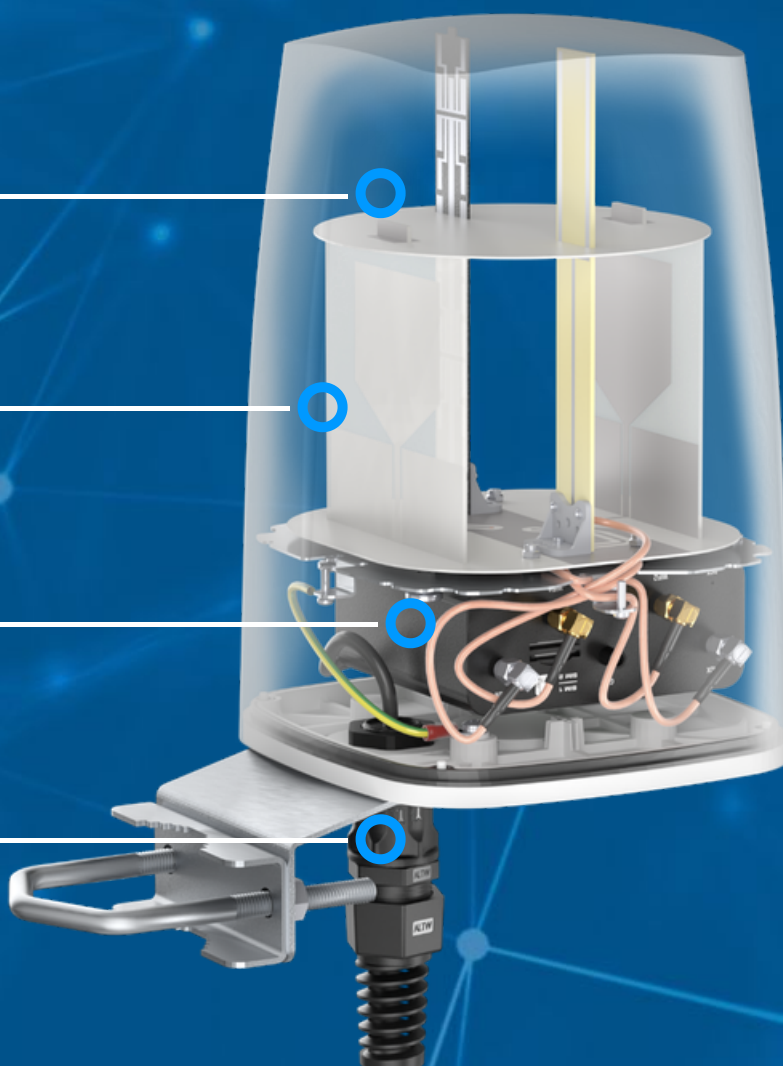
ANTENNA PERFECTLY MATCHED WITH  
THE ROBUSTEL R1520-LG



ALL ANTENNAS AND ROBUSTEL  
ROUTER INTEGRATED IN ONE  
ENCLOSURE



MADE IN **EUROPE**



## LTE SPECIFICATION

|                        |  |
|------------------------|--|
| FREQUENCY              | 0.694-0.96 GHz<br>1.7 - 2.2 GHz<br>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<br>1.7 - 2.2 GHz : 2 dBi<br>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<br>5.0 - 7.125 GHz                     |
| GAIN         | 2.40 - 2.50 GHz : 6 dBi<br>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

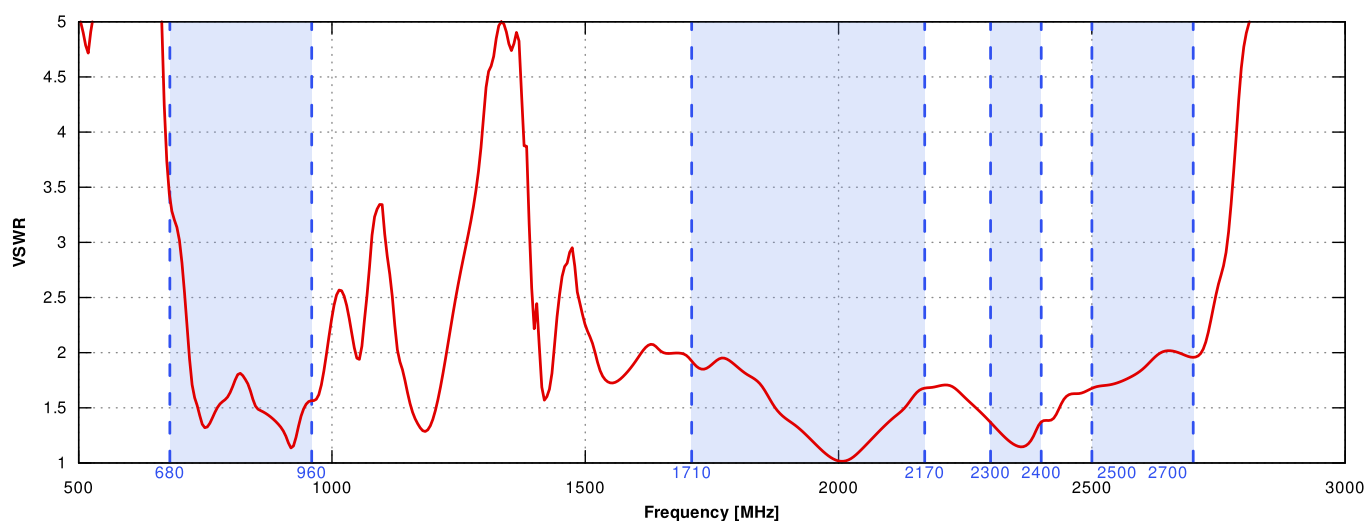
|               |   |
|---------------|---|
| FREQUENCY     | 840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920) |
| GAIN          | 3 dBi   |
| VSWR          | <1.20, max <2.00  |
| BEAMWIDTH     | 360°/70° ±10°   |
| POLARIZATION  | Vertical  |
| IMPEDANCE     | 50 $\Omega$   |
| FRONT TO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

## MECHANICAL SPECIFICATION

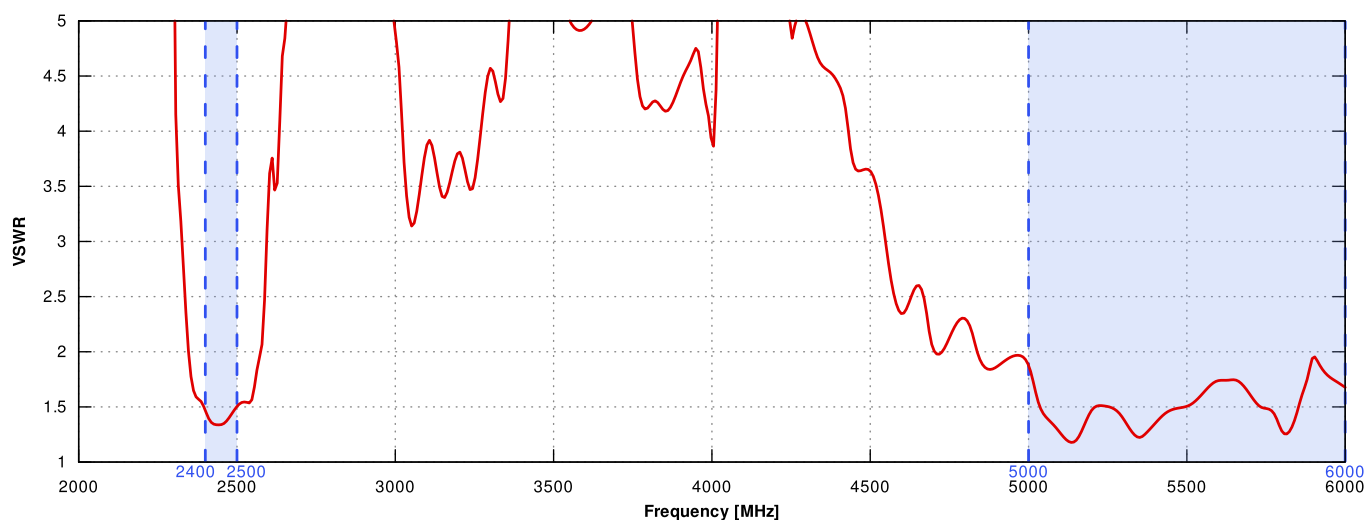
|  |   |
|--|---|
| MATERIAL                                   | ABS, aluminum, PTFE, FR4                    |
| INGRESS PROTECTION                         | IP68  |
| CONNECTOR TYPE                             | RJ45  |
| DIMENSIONS                                 | 160 x 160 x 240 mm<br>6.3 x 6.3 x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

## PLOTS

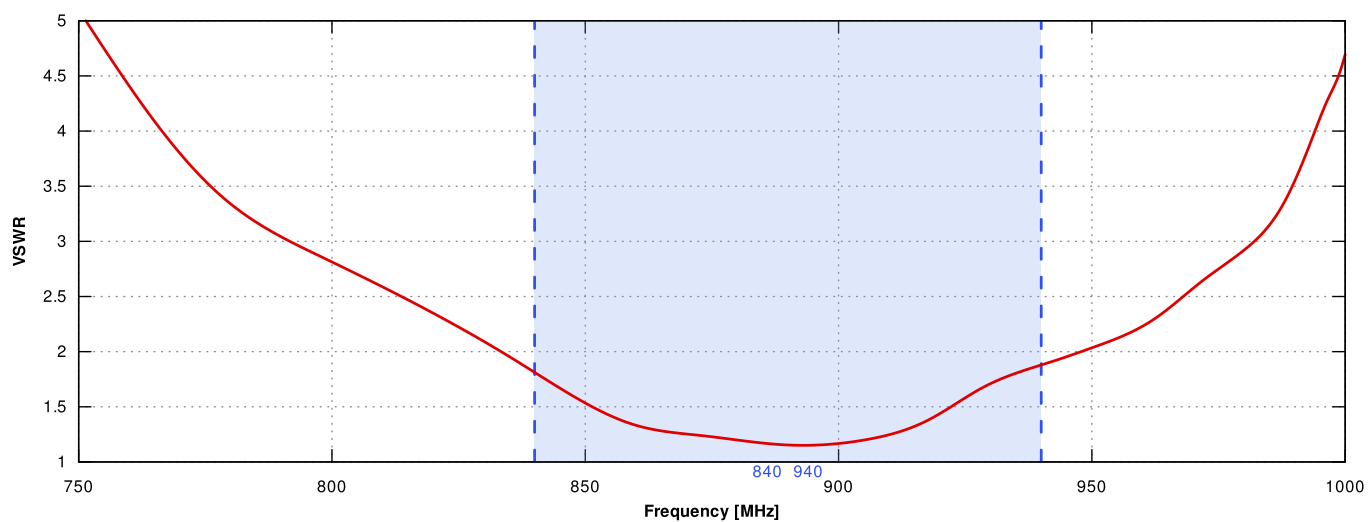
VSWR for LTE antenna 



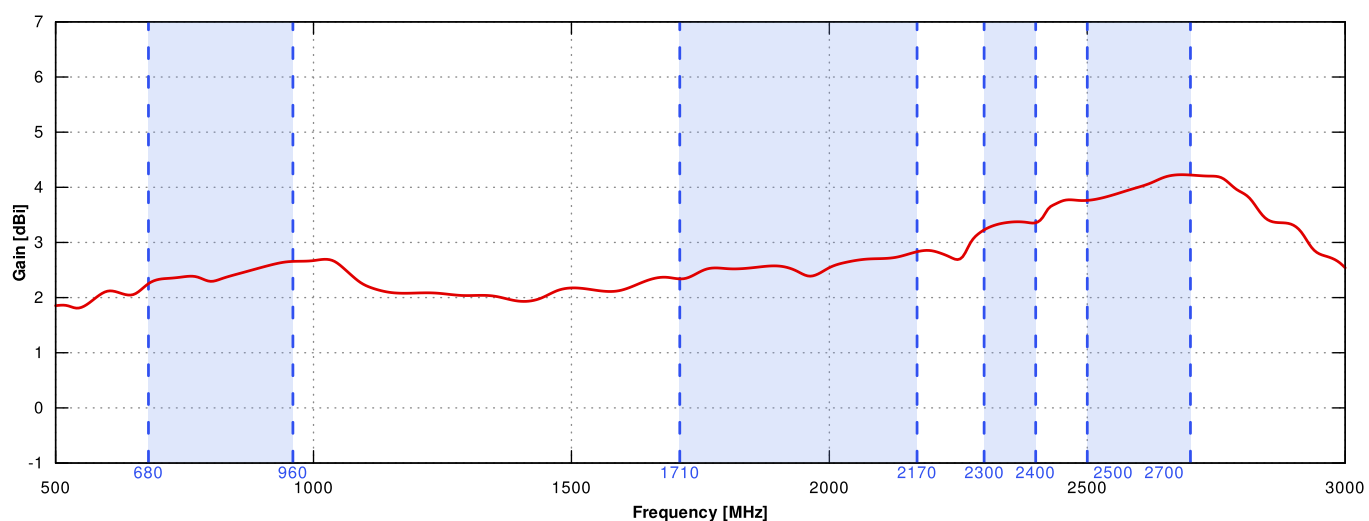
VSWR for Wi-Fi antenna 



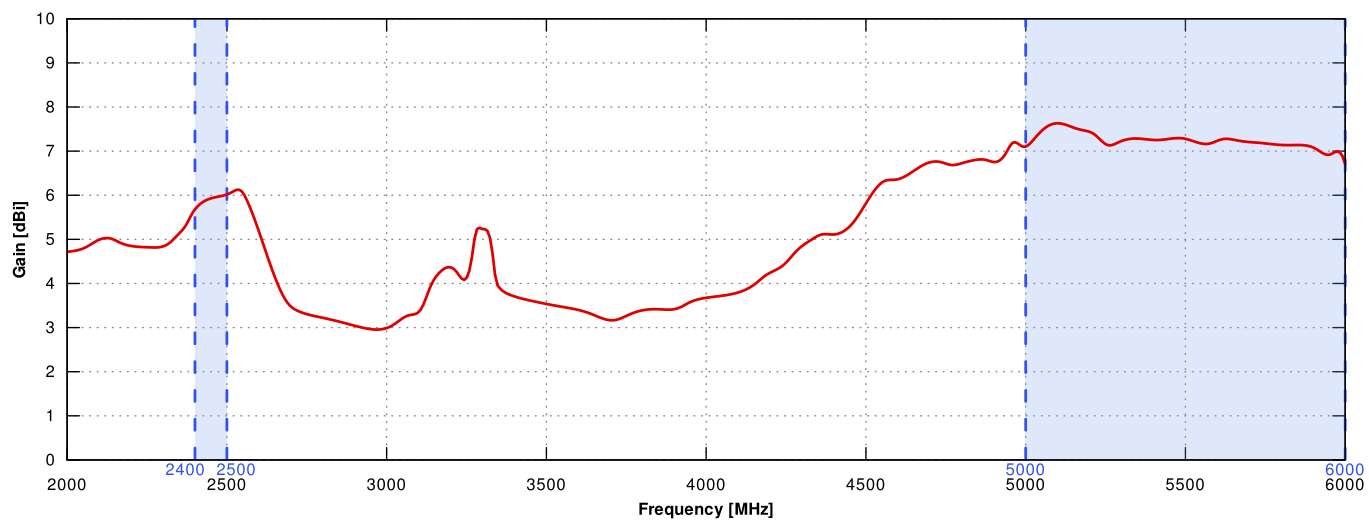
## VSWR for LoRa antenna



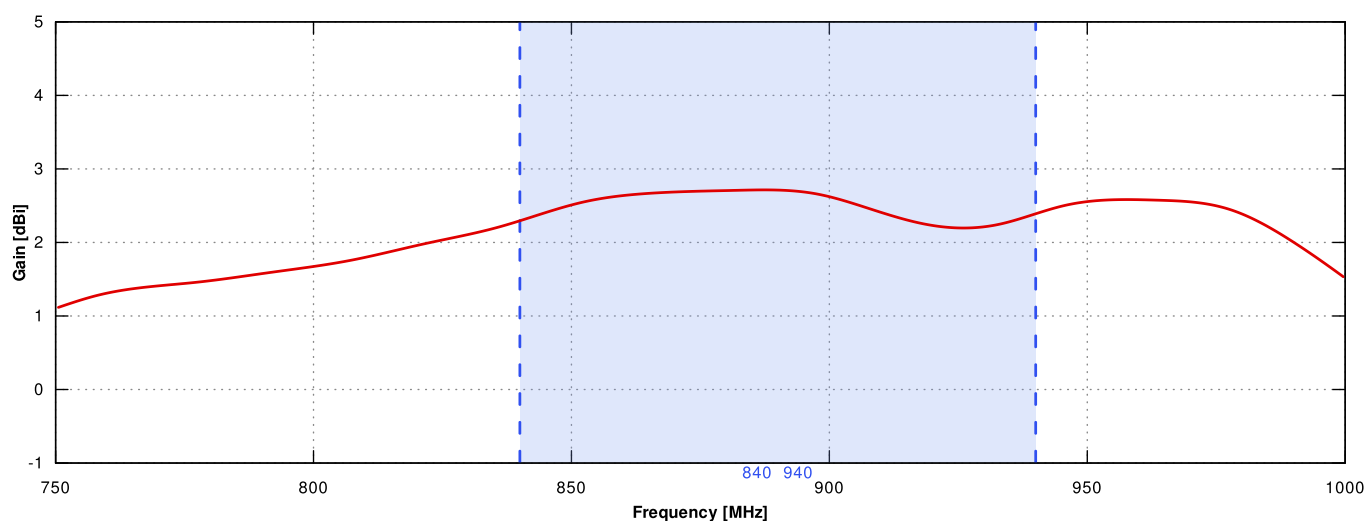
## Gain for LTE antenna



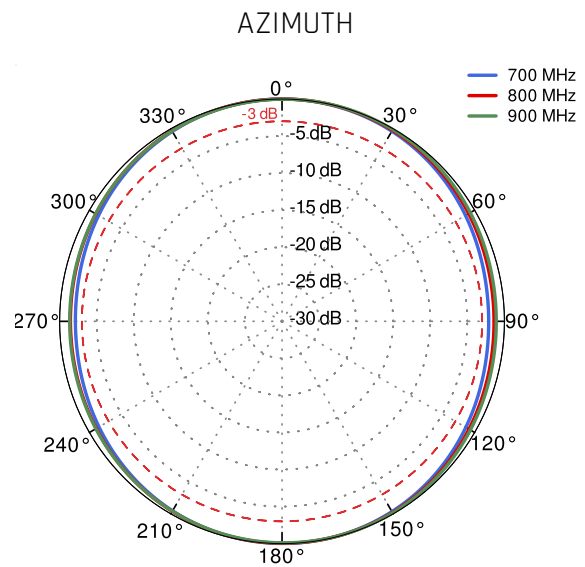
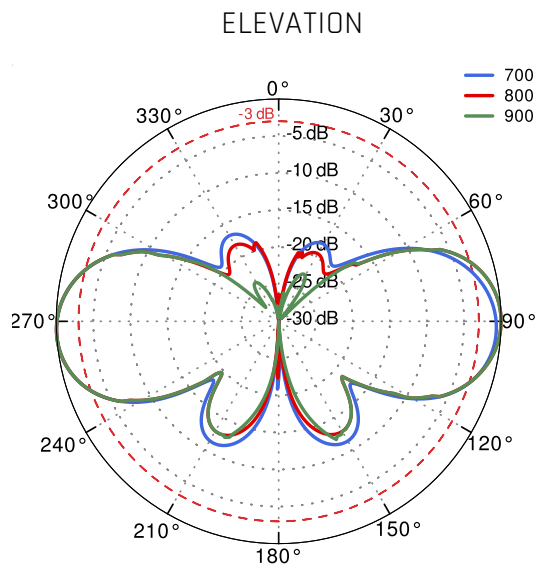
## Gain for Wi-Fi antenna



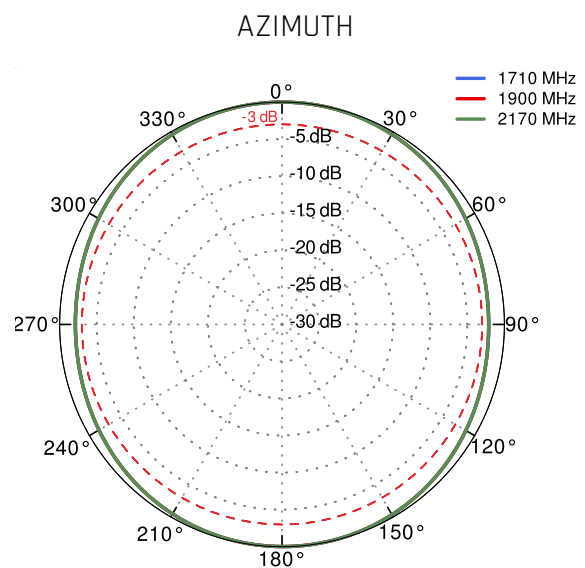
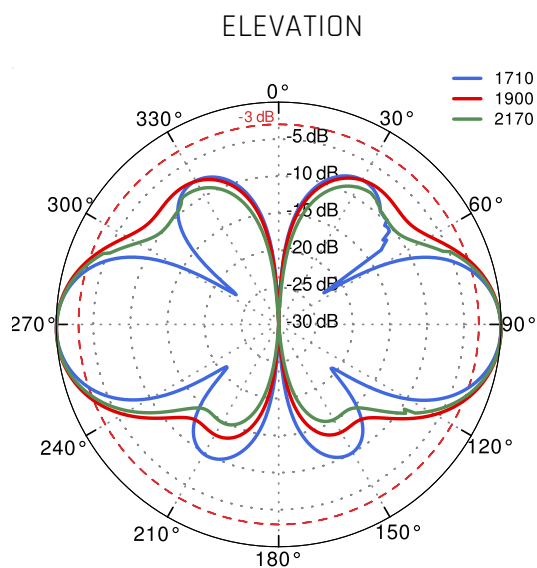
## Gain for LoRa antenna



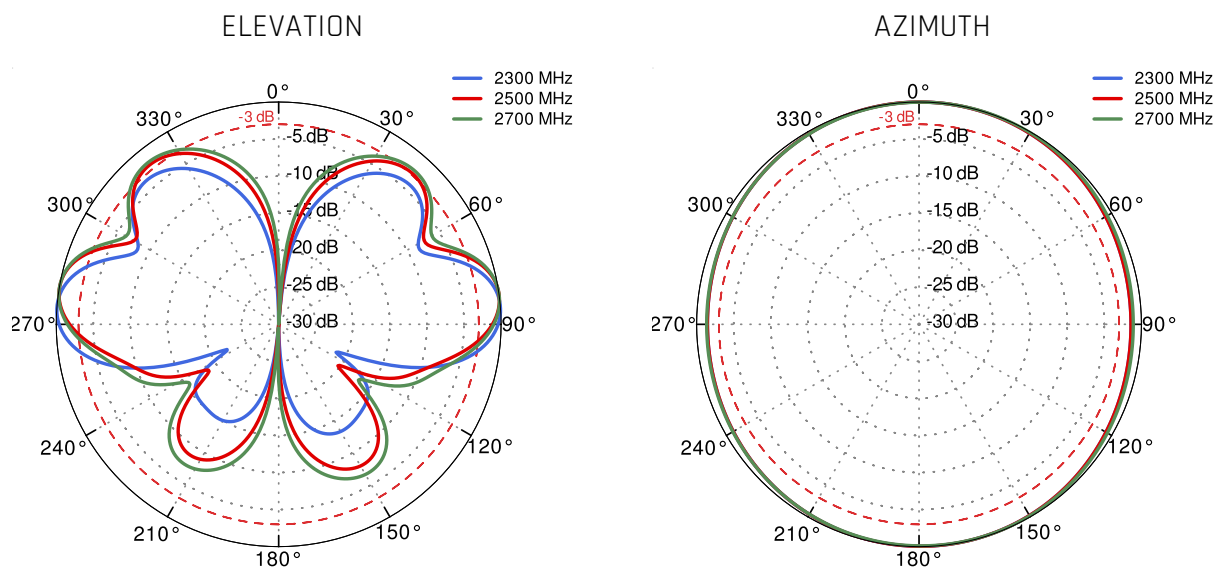
## LTE from 700MHz to 900MHz



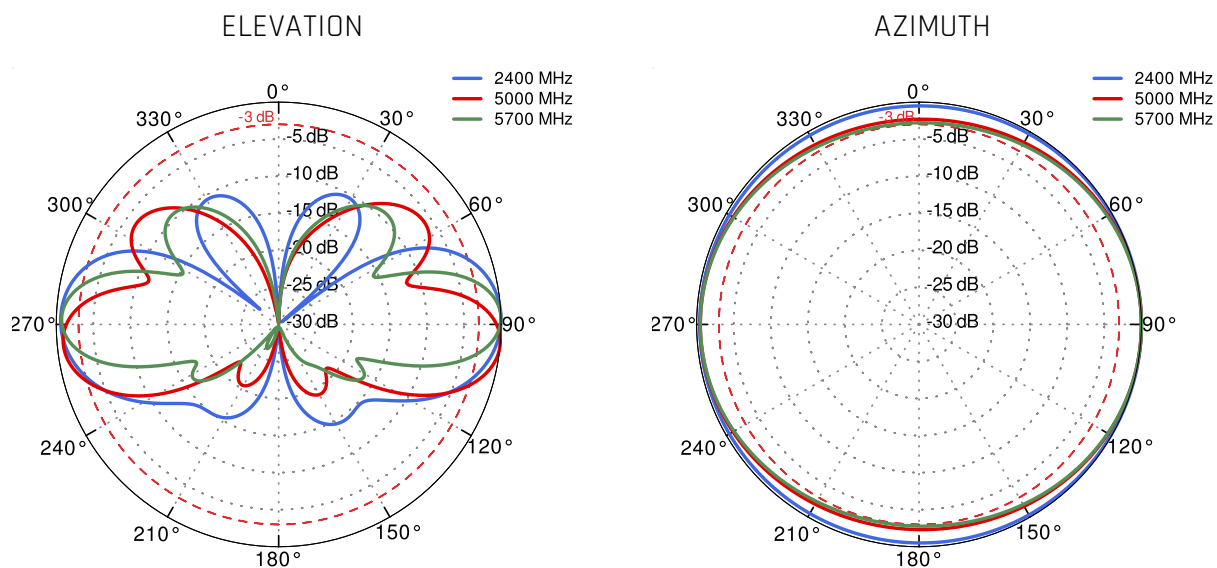
## LTE from 1.71GHz to 2.17GHz



## LTE from 2.3GHz to 2.7GHz

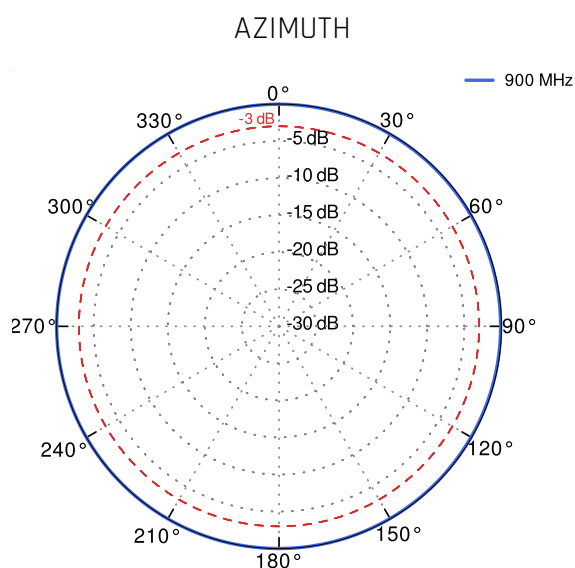
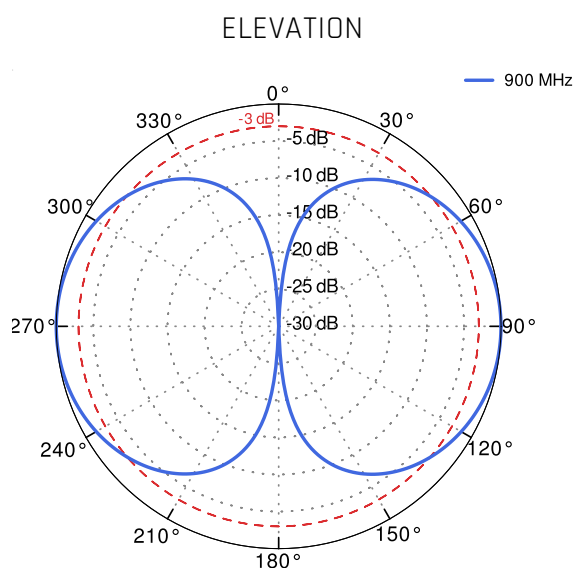


## Wi-Fi 2.4GHz and 5GHz and 6GHz





LoRa 840 to 940 MHz



## DIMENSIONS

