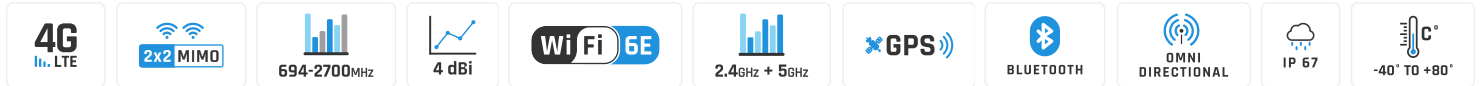


QuMax Omni for Robustel EG5100

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WI-FI 6E ANTENNA + GPS ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL EG5100 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel EG5100 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, Wi-Fi 6E and GPS antenna. If you use EG5100 with QuMax Omni antenna, you get an integrated complete solution with embedded gateway 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



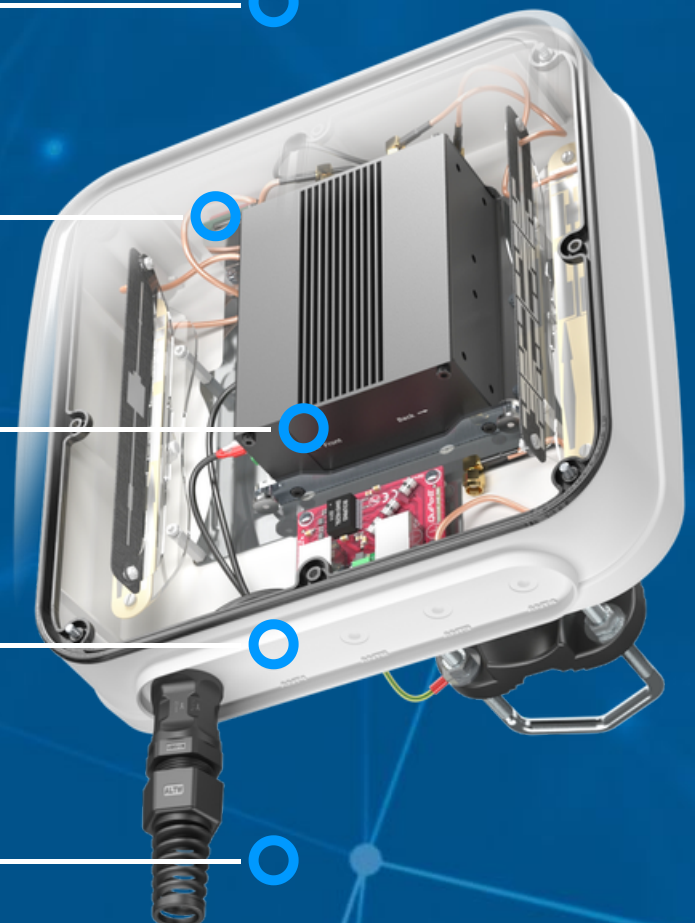
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL EG5100



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



LTE ANTENNA SPECIFICATION

| | |
|-------------------------------|--|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz |
| GAIN | 694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 2.7 GHz : 3 dBi |
| SUPPORTED LTE/5G BANDS | 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 |
| VSWR | <1.50, max <2.50 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

WI-FI ANTENNA SPECIFICATION

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

MECHANICAL SPECIFICATION

| | |
|------------------------------|--|
| MATERIALS | BS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP67 |
| CONNECTOR TYPE | RJ45 |
| DIMENSIONS | 272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch |
| WEIGHT | 1.8 kg 3.97 lbs |
| OPERATING TEMPERATURE | From -40°C to 75°C From -40°F to 167°F |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

FREQUENCY BANDS

| | | | | | | | | | |
|----------------------|-----|------|-----|-----|------|-----|-----|-------------|-------------|
| LTE / 4G GSM | 5 | 8 | 12 | 13 | 14 | 17 | 18 | 617 MHz | 960 MHz |
| | 19 | 20 | 26 | 27 | 28 | 29 | 44 | | |
| | 67 | 68 | 85 | 103 | n81 | n82 | n83 | | |
| | n89 | n100 | | | | | | | |
| LTE / 4G UMTS | 1 | 2 | 3 | 4 | 9 | 10 | 25 | 1710 MHz | 2170 MHz |
| | 33 | 34 | 35 | 36 | 37 | 39 | n80 | | |
| | n84 | n86 | n95 | n98 | n101 | | | | |
| | | | | | | | | | |

LTE / 4G

2400
MHz

7

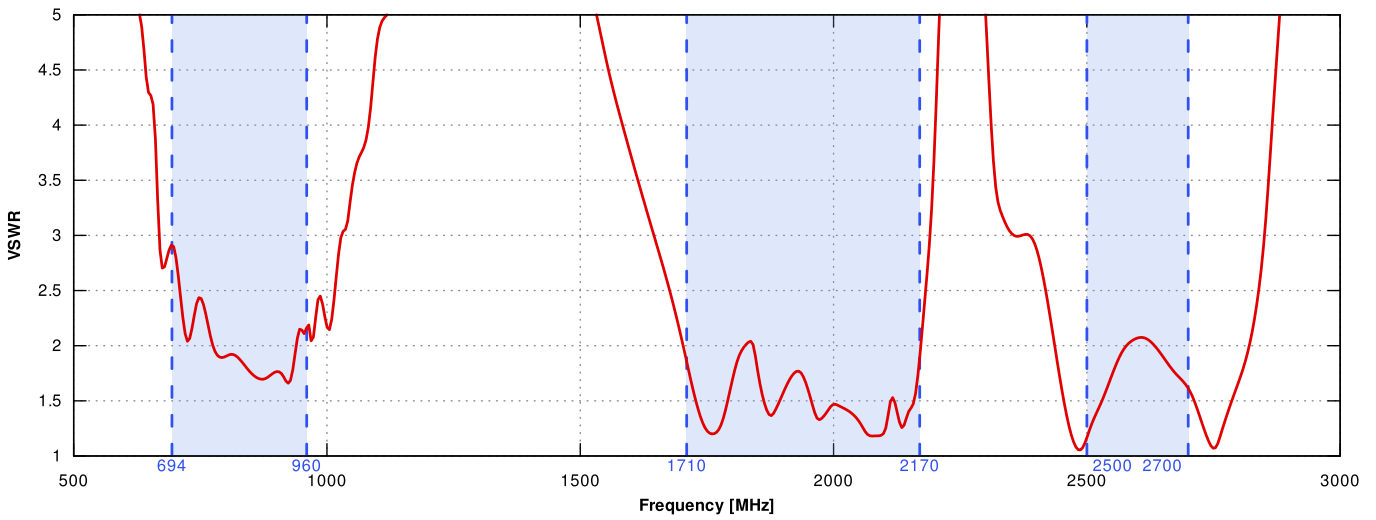
38

69

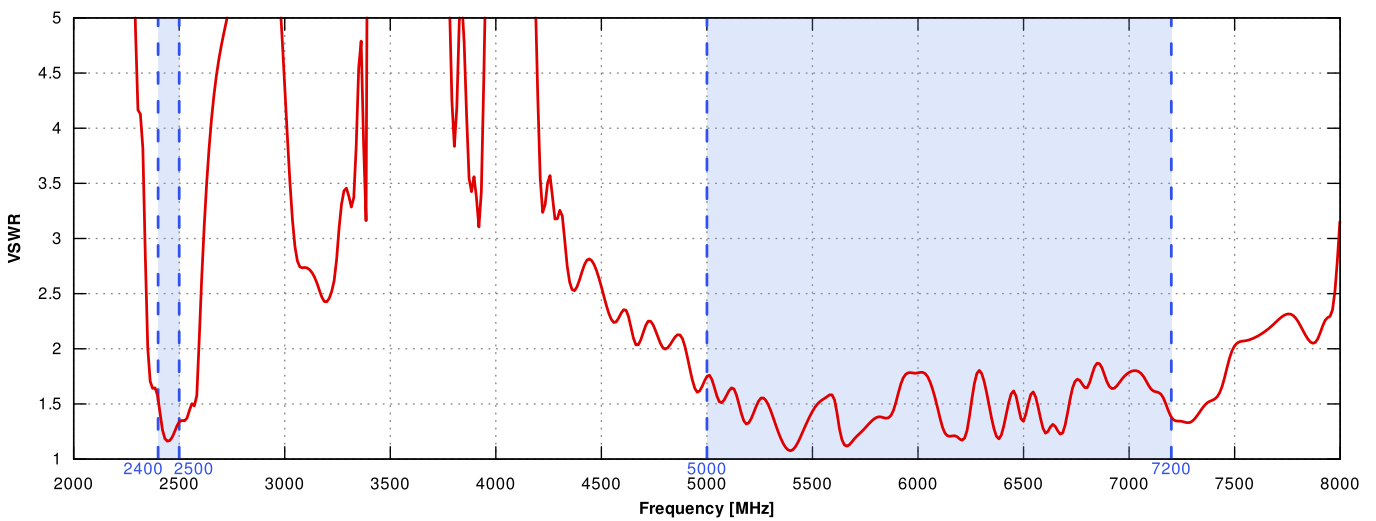
2700
MHz

PLOTS

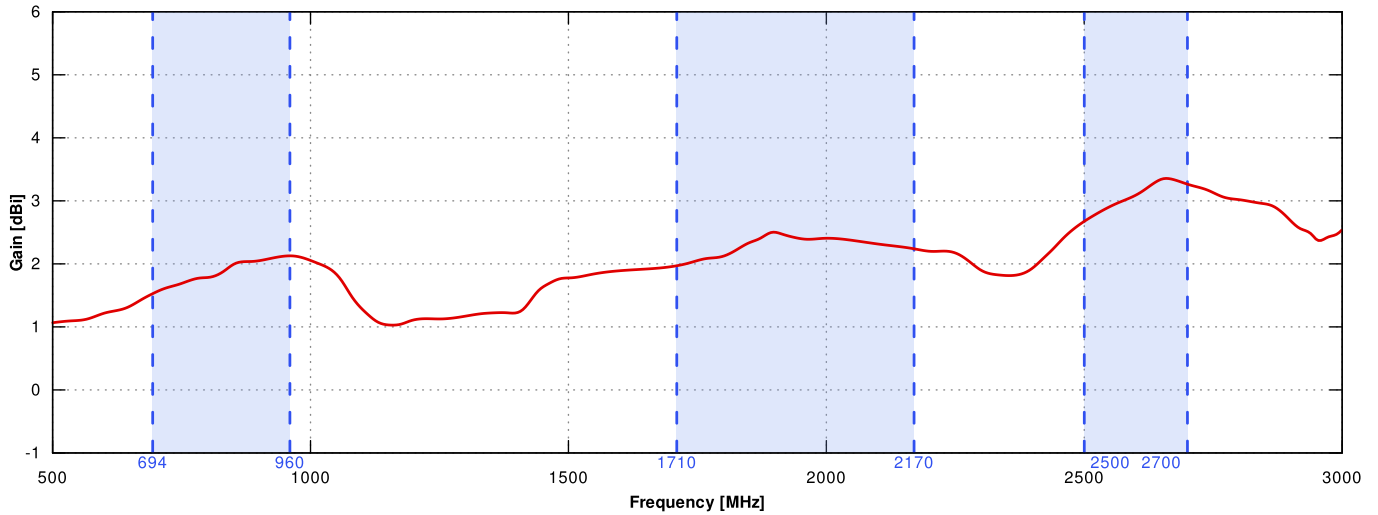
LTE VSWR



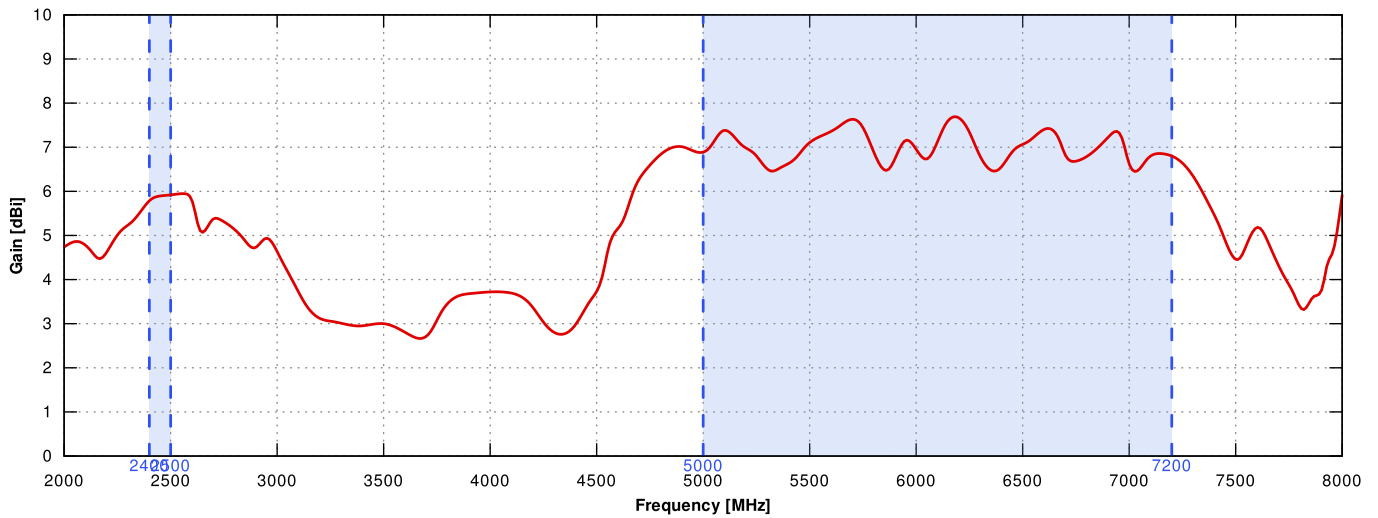
Wi-Fi VSWR



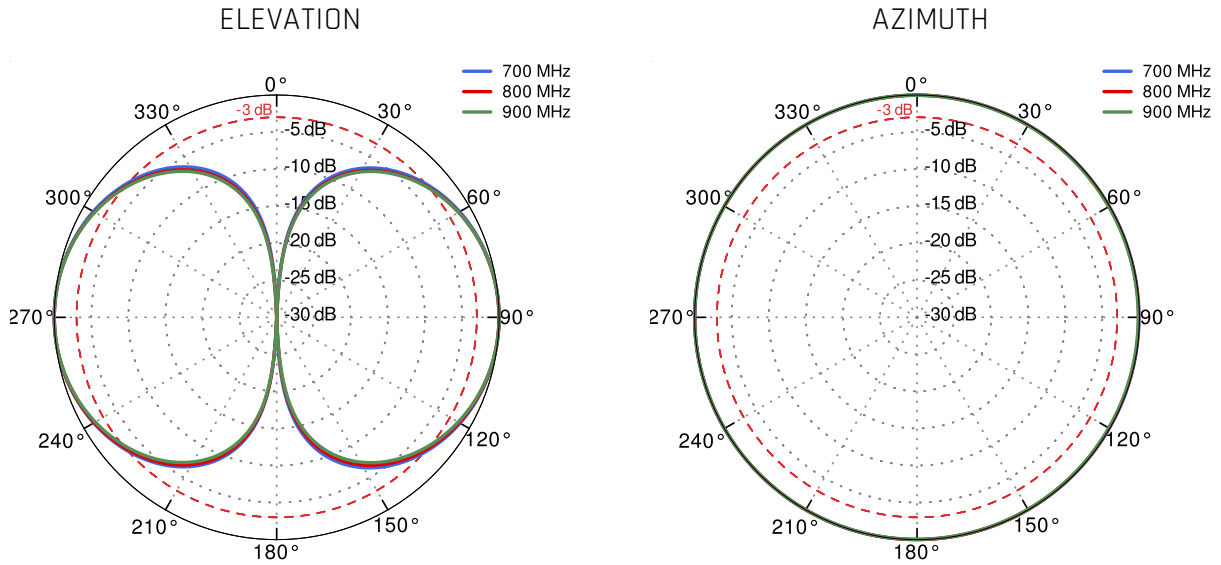
LTE Gain



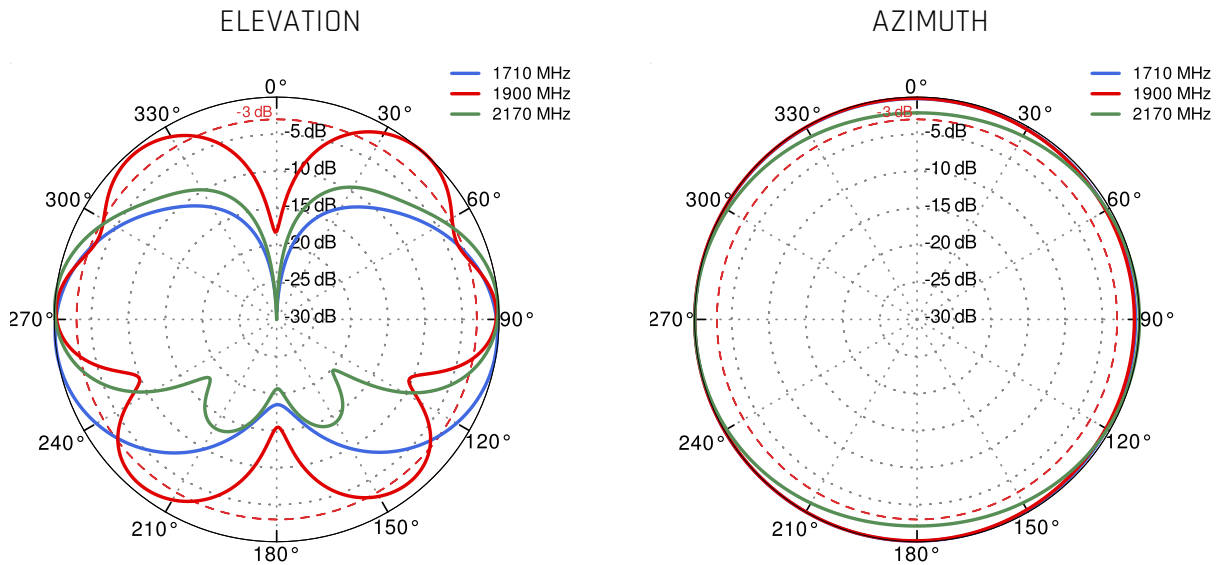
Wi-Fi Gain



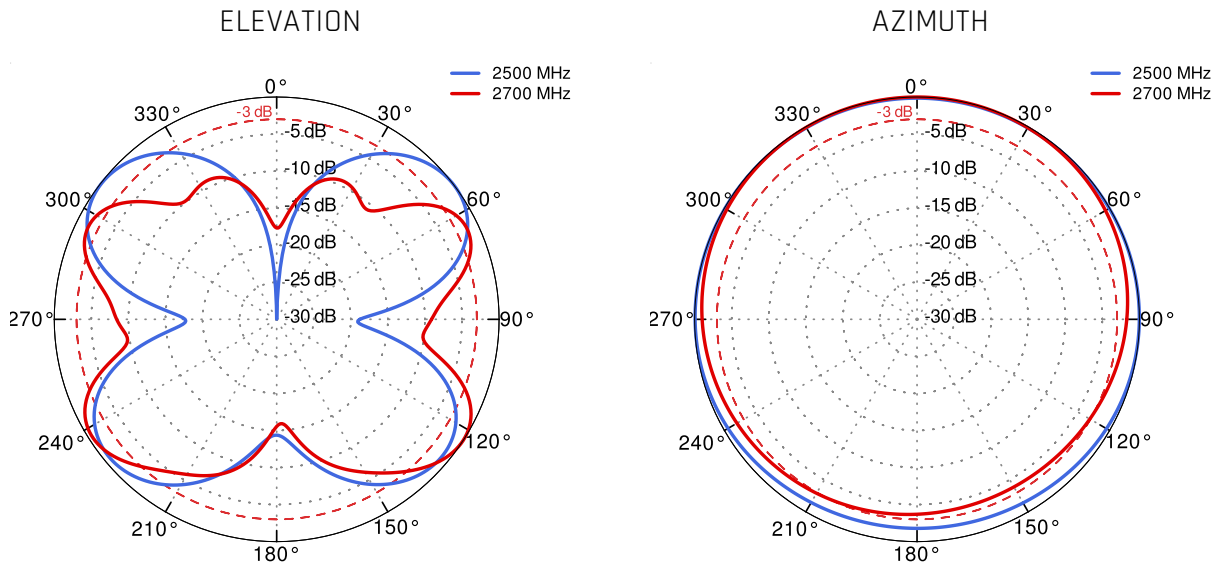
LTE From 700MHz to 900MHz



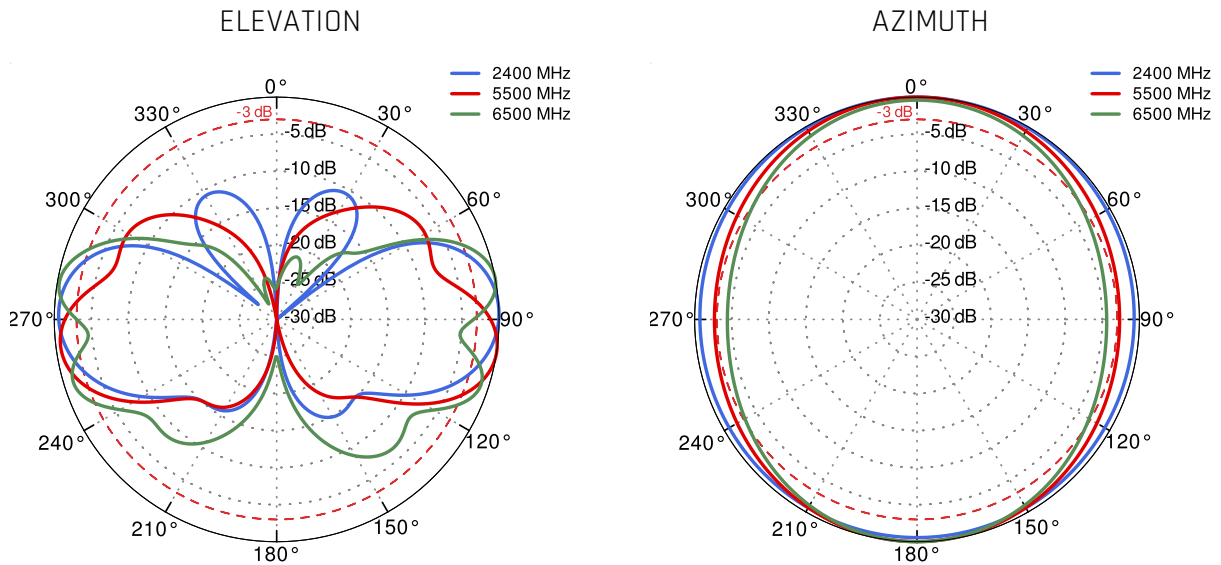
LTE From 1.71GHz to 2.17GHz



LTE From 2.5GHz to 2.7GHz



Wi-Fi From 2.4GHz to 6.5GHz



DIMENSIONS

