

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



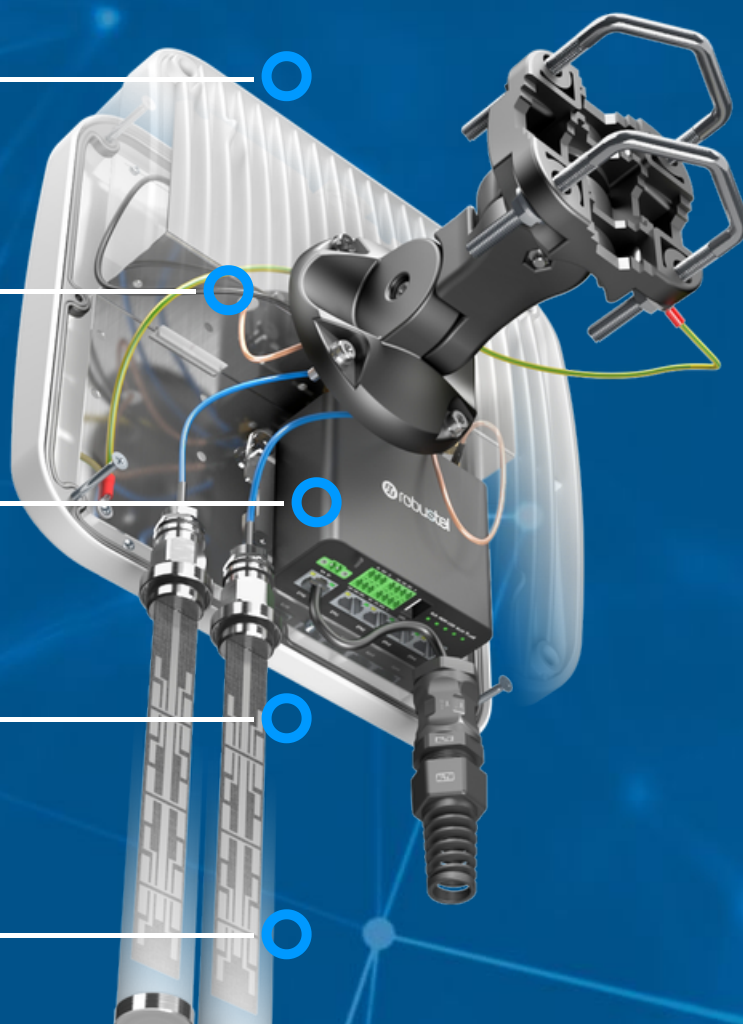
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R1520



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



LTE ANTENNA SPECIFICATION

| | |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz |
| 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, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN | 694 - 960 MHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 70°/70° ±15° |
| POLARIZATION | Dual polarized X-Pol |
| IMPEDANCE | 50 Ω |
| FRONT-TO-BACK | >10 dB |

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 | ABS, 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 80°C From -40°F to 176°F |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

FREQUENCY BANDS

LTE / 4G GSM

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

LTE / 4G UMTS

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

LTE / 4G WCS DARS

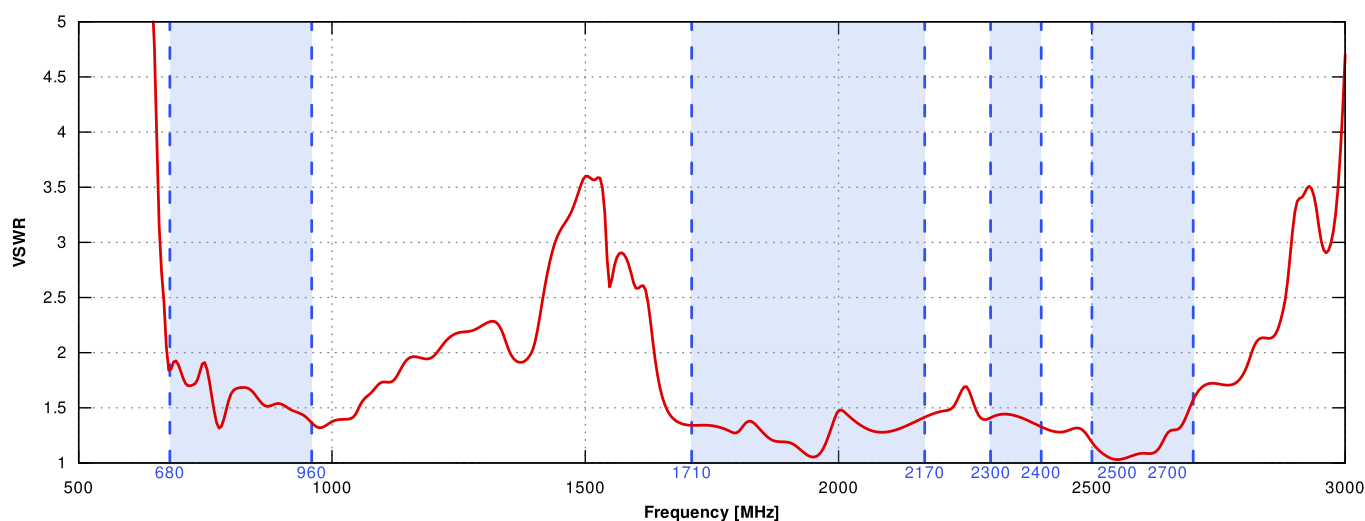
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|-------------|----|----|-----|--|--|--|--|-------------|
| 2300 MHz | 30 | 40 | n97 | | | | | 2400 MHz |
|-------------|----|----|-----|--|--|--|--|-------------|

LTE / 4G

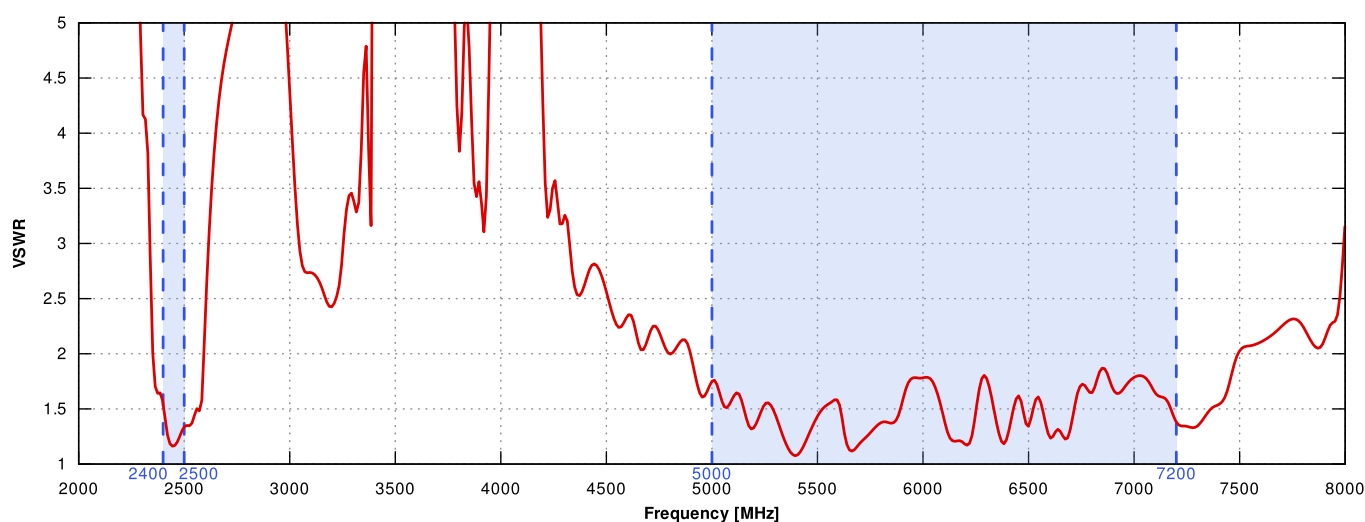
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|-------------|---|----|----|----|----|-----|--|-------------|
| 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | | 2700 MHz |
|-------------|---|----|----|----|----|-----|--|-------------|

PLOTS

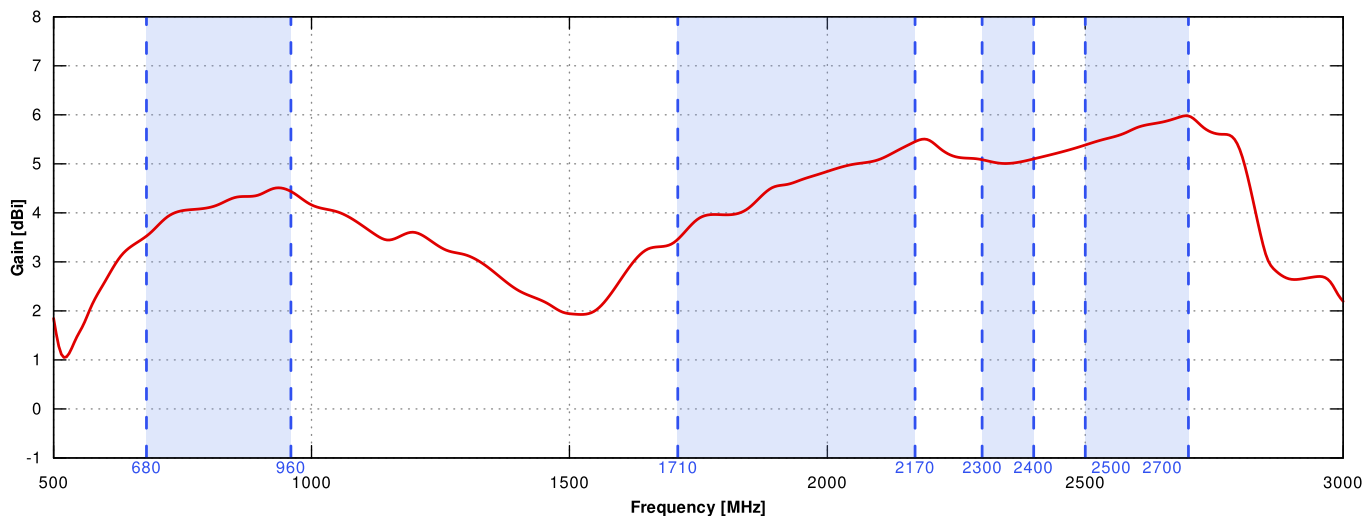
LTE VSWR



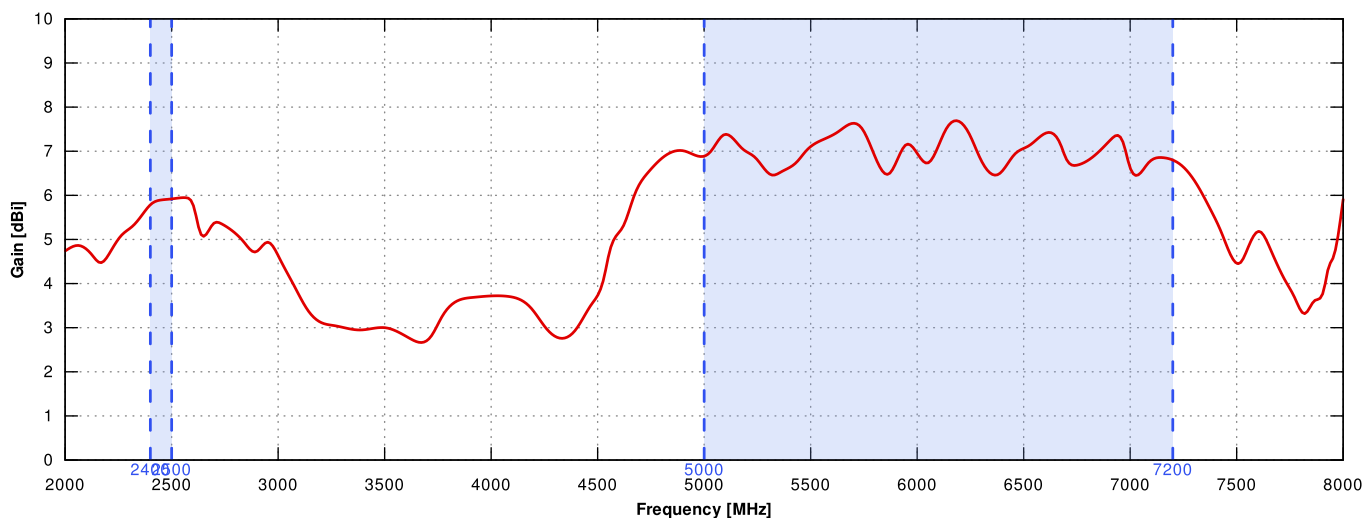
Wi-Fi VSWR



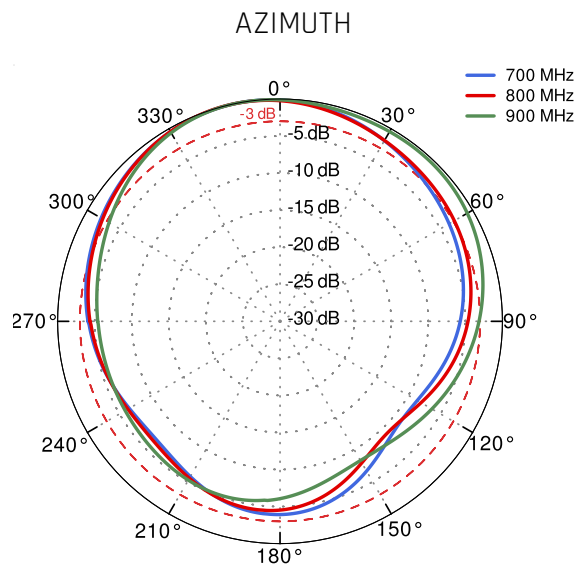
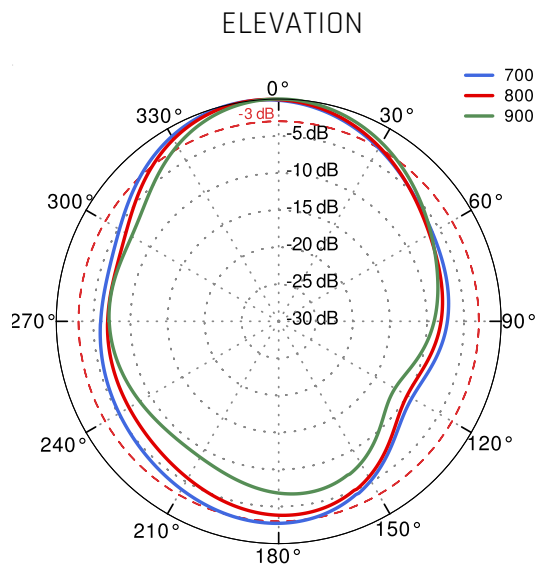
LTE Gain



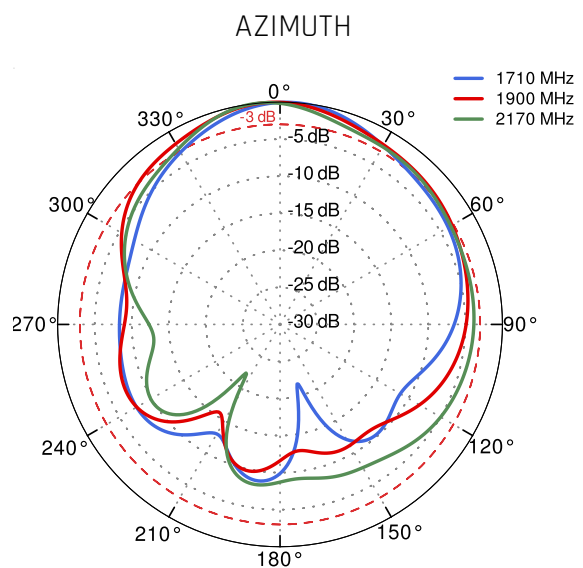
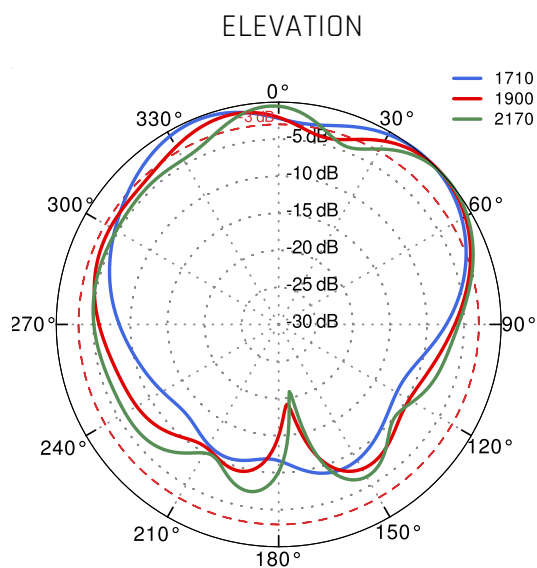
Wi-Fi Gain



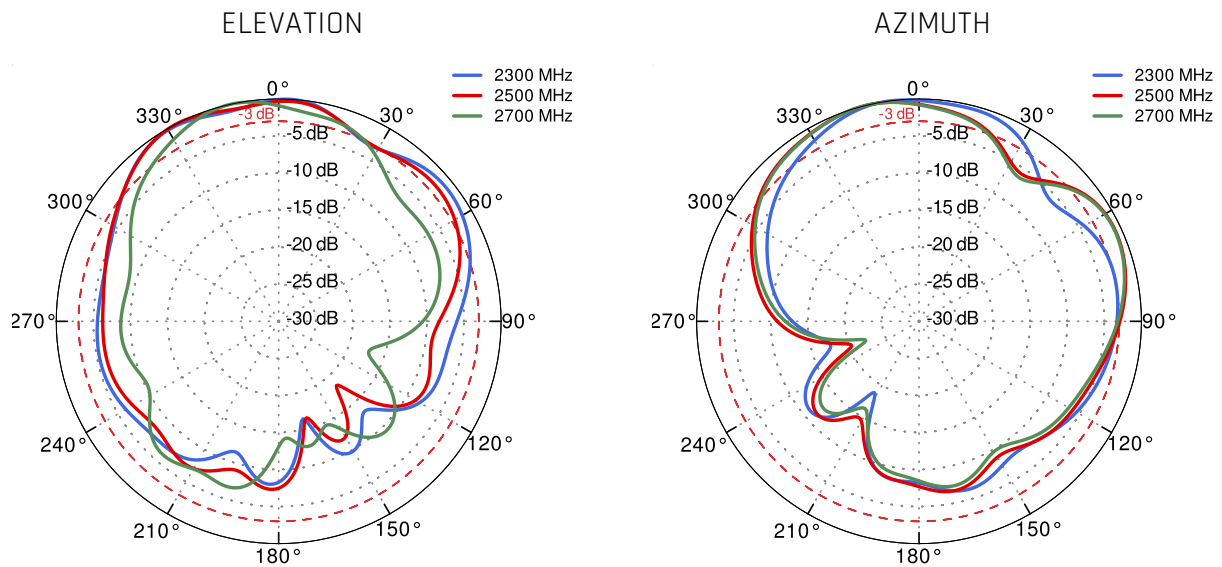
LTE From 700MHz to 900MHz



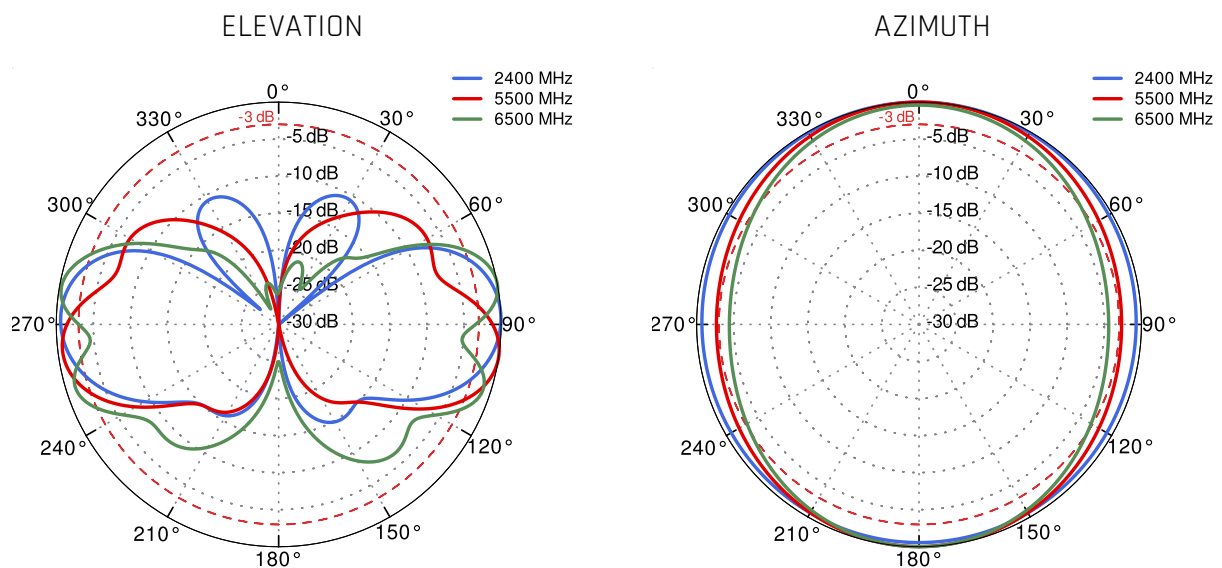
LTE From 1.71GHz to 2.17GHz



LTE From 2.3GHz to 2.7GHz



Wi-Fi From 2.4 GHz to 6.5 GHz



DIMENSIONS

