

QuMax for Robustel EG5120

INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + WI-FI ANTENNA + BLUETOOTH ANTENNA + GPS ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL EG5120 (ALL-IN-ONE)

QuMax antenna for Robustel EG5120 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 5G/LTE, Wi-Fi, Bluetooth and GPS antenna. If you use EG5120 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

The set contains a 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 EG5120



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



5G/LTE ANTENNA SPECIFICATION

| | |
|---------------------|---|
| FREQUENCY | 0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106 |
| SUPPORTED 5G BANDS | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN | 0.617 - 0.96 GHz: 6 dBi 1.7 - 2.7 GHz: 7 dBi 3.3 - 4.6 GHz: 7 dBi 4.7 - 6.0 GHz: 5.5 dBi |
| VSWR | <2.00, max <3.00 |
| BEAMWIDTH | 80°/80° ±15° |
| POLARIZATION | X (±45degrees) |
| IMPEDANCE | 50 Ω |

WI-FI ANTENNA SPECIFICATION

| | |
|--------------|--|
| FREQUENCY | 2.4 - 2.5 GHz 5.0 - 6.0 GHz |
| GAIN | 2.4 - 2.5 GHz : 6 dBi 4.7 - 6 GHz : 7 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION

| | |
|-----------------------|---|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP67 |
| CONNECTOR TYPE | RJ45 |
| DIMENSIONS | 486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch |
| WEIGHT | 2.8 kg 6.17 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

| | | | | | | | | |
|------------|-----|----|----|----|----|----|-----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| | 9 | 10 | 12 | 13 | 14 | 17 | 18 | |
| | 19 | 20 | 22 | 25 | 26 | 27 | 28 | |
| 617 MHz | 29 | 30 | 33 | 34 | 35 | 36 | 37 | 6000 MHz |
| | 38 | 39 | 40 | 41 | 42 | 43 | 44 | |
| | 46 | 47 | 48 | 49 | 52 | 53 | 65 | |
| | 66 | 67 | 68 | 69 | 71 | 85 | 103 | |
| | 106 | | | | | | | |

5G

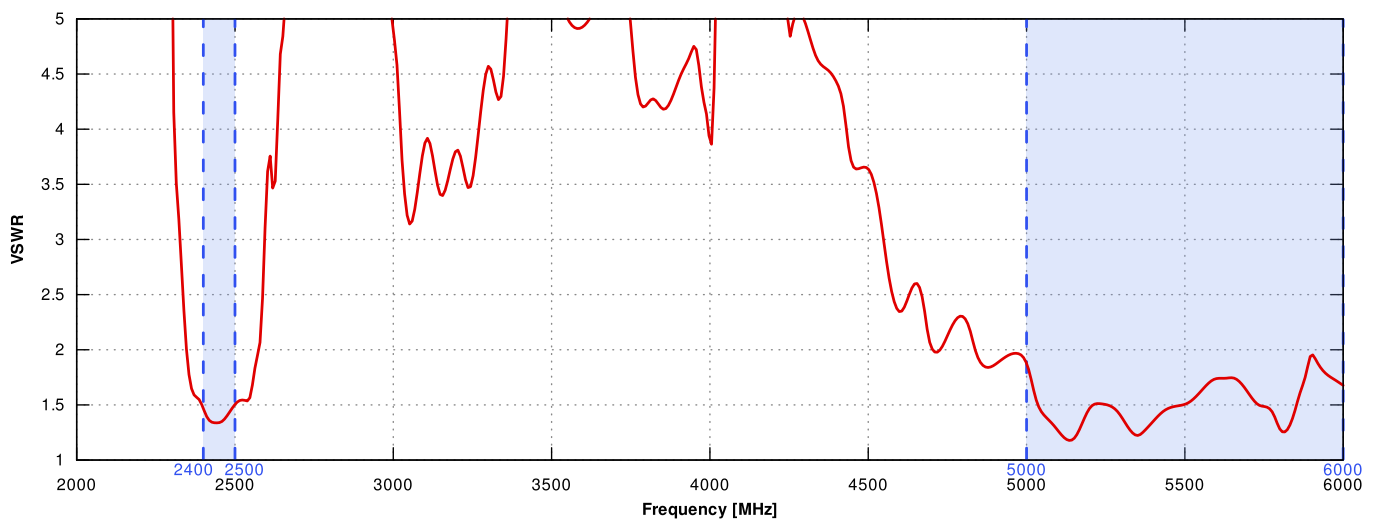
| | | | | | | | | |
|------------|-----|------|------|------|-----|-----|-----|-------------|
| | n1 | n2 | n3 | n5 | n7 | n8 | n12 | |
| | n13 | n14 | n18 | n20 | n25 | n26 | n28 | |
| | n29 | n30 | n34 | n38 | n39 | n40 | n41 | |
| 617 MHz | n46 | n47 | n48 | n53 | n65 | n66 | n67 | 6000 MHz |
| | n71 | n77 | n78 | n80 | n81 | n82 | n83 | |
| | n84 | n85 | n86 | n89 | n90 | n95 | n97 | |
| | n98 | n100 | n101 | n256 | | | | |

PLOTS

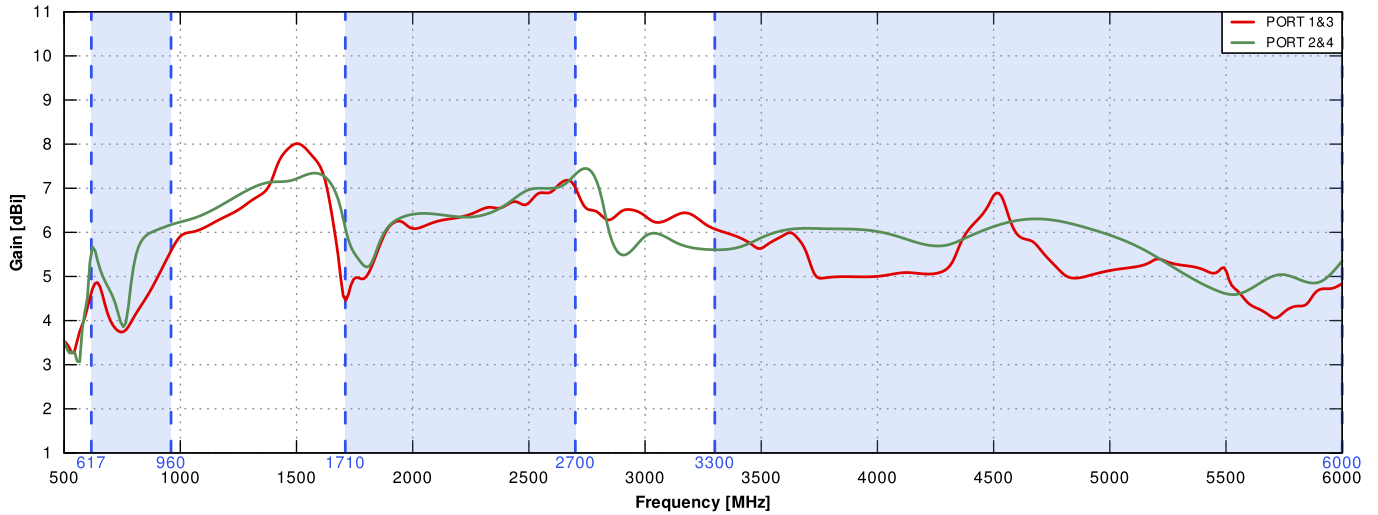
5G/LTE VSWR



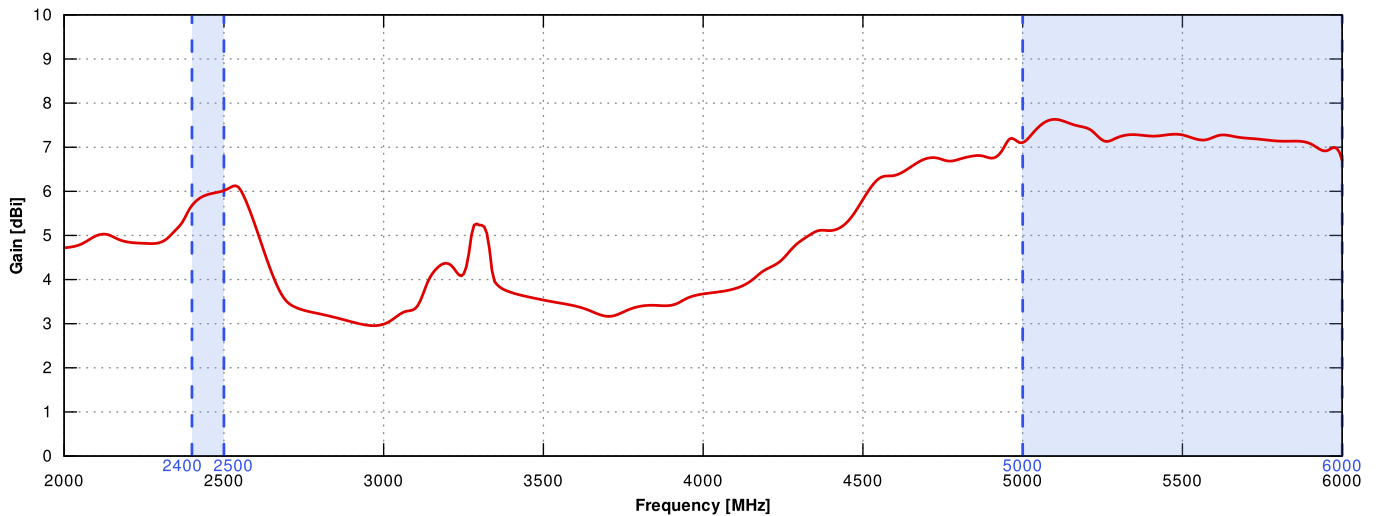
Wi-Fi VSWR



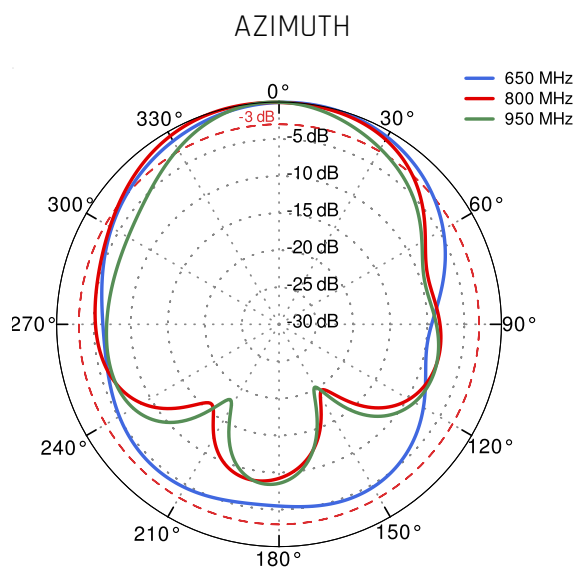
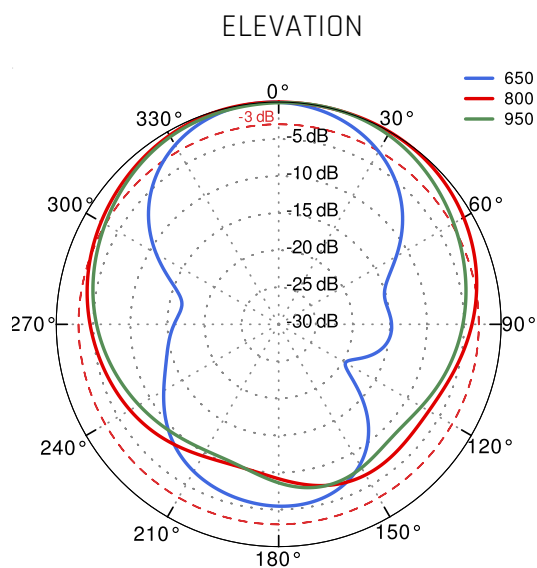
5G/LTE Gain



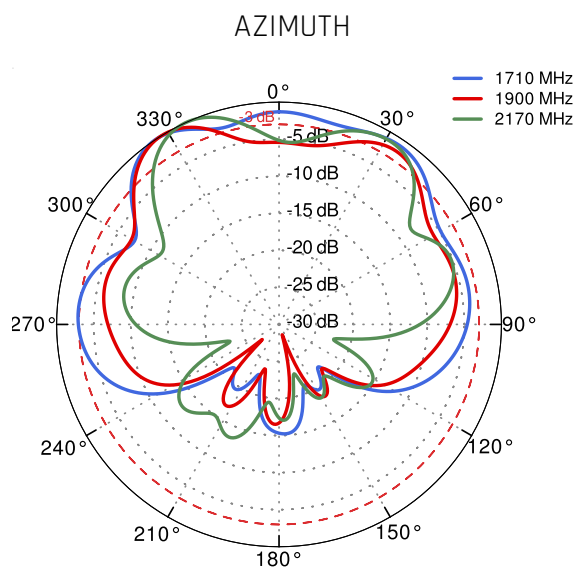
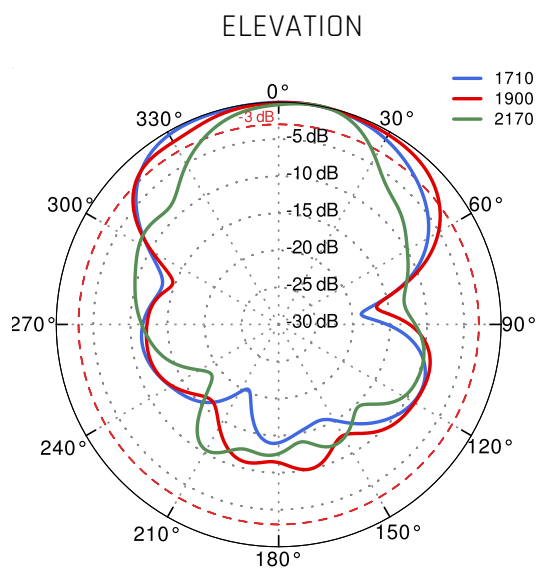
Wi-Fi Gain



PORT 1&3 - 5G/LTE From 650MHz to 950MHz



PORT 1&3 - 5G/LTE From 1.71GHz to 2.17GHz



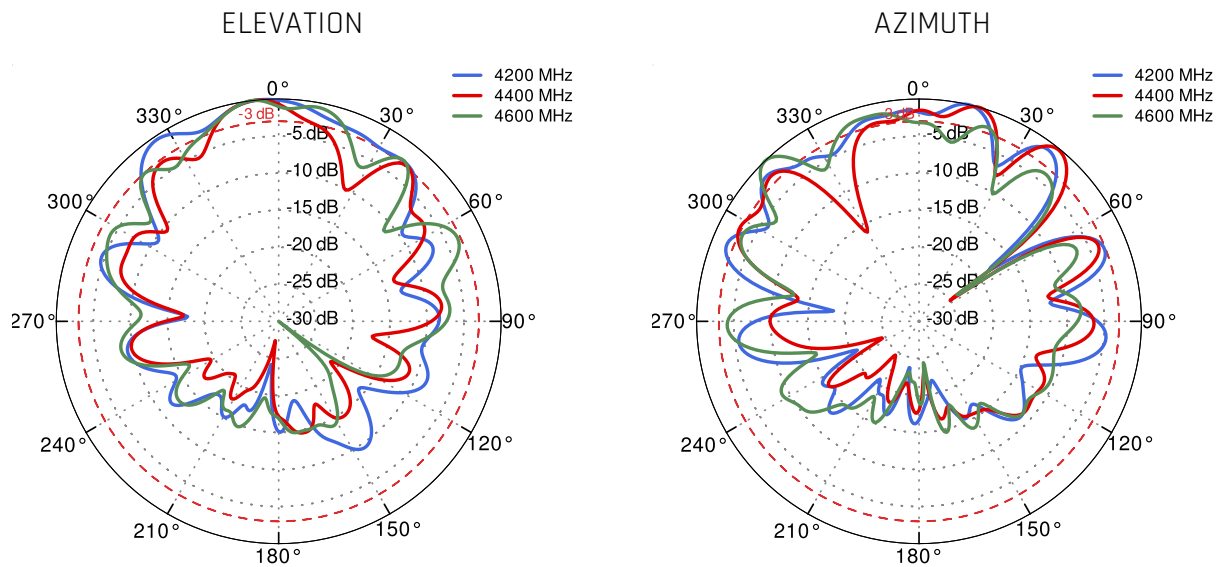
PORT 1&3 - 5G/LTE From 2.3GHz to 2.7GHz



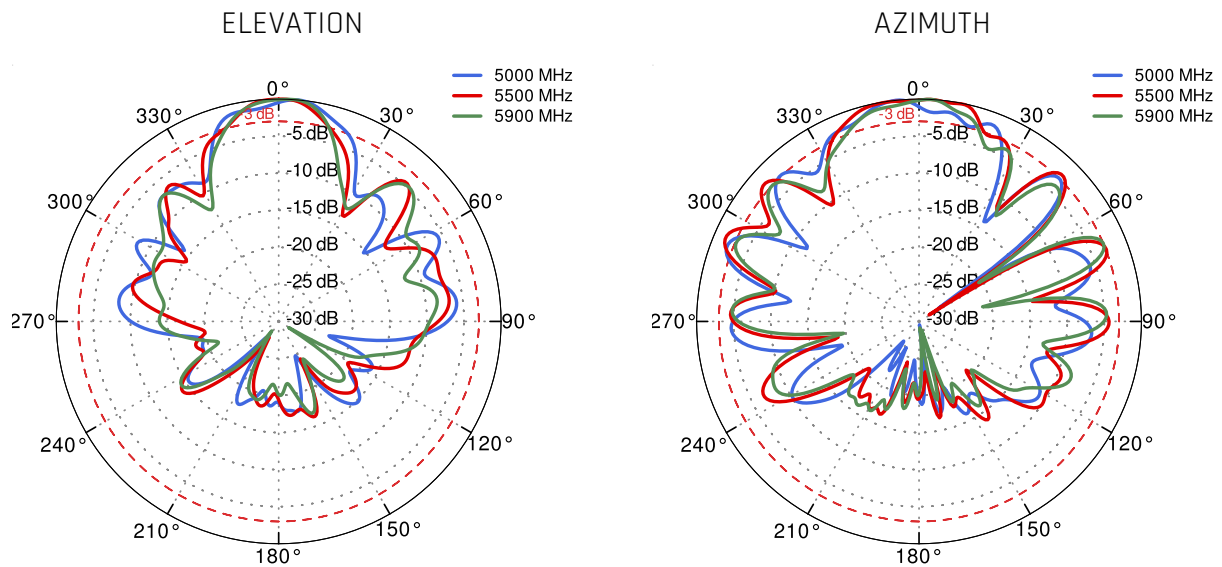
PORT 1&3 - 5G/LTE From 3.3GHz to 3.8GHz



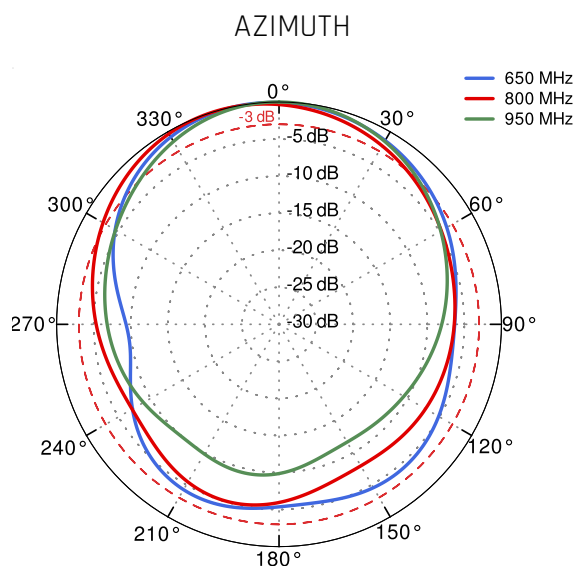
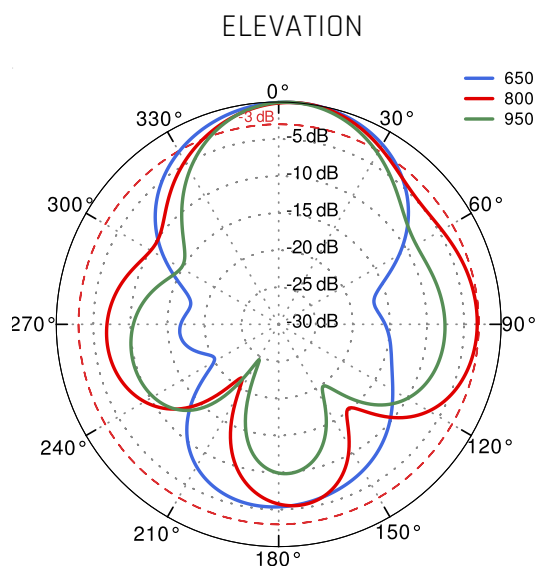
PORT 1&3 - 5G/LTE From 4.2GHz to 4.6GHz



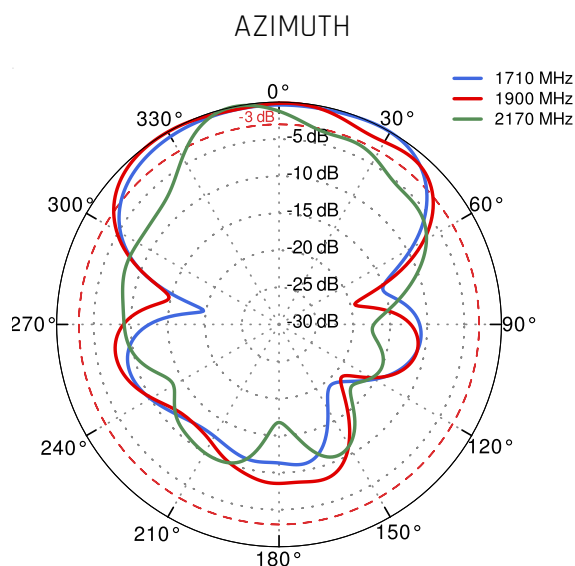
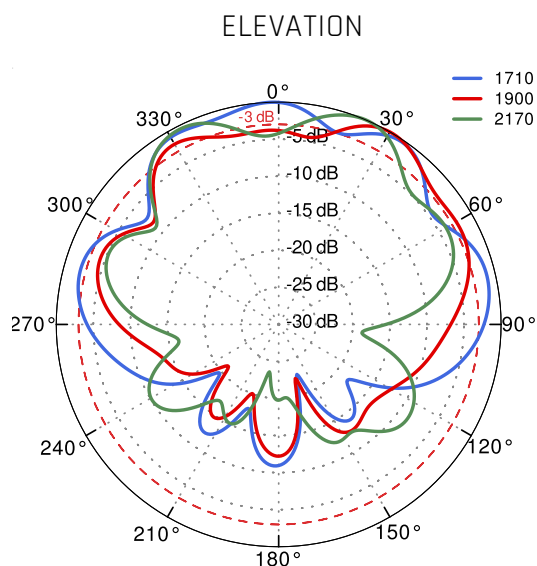
PORT 1&3 - 5G/LTE From 5.0GHz to 5.9GHz



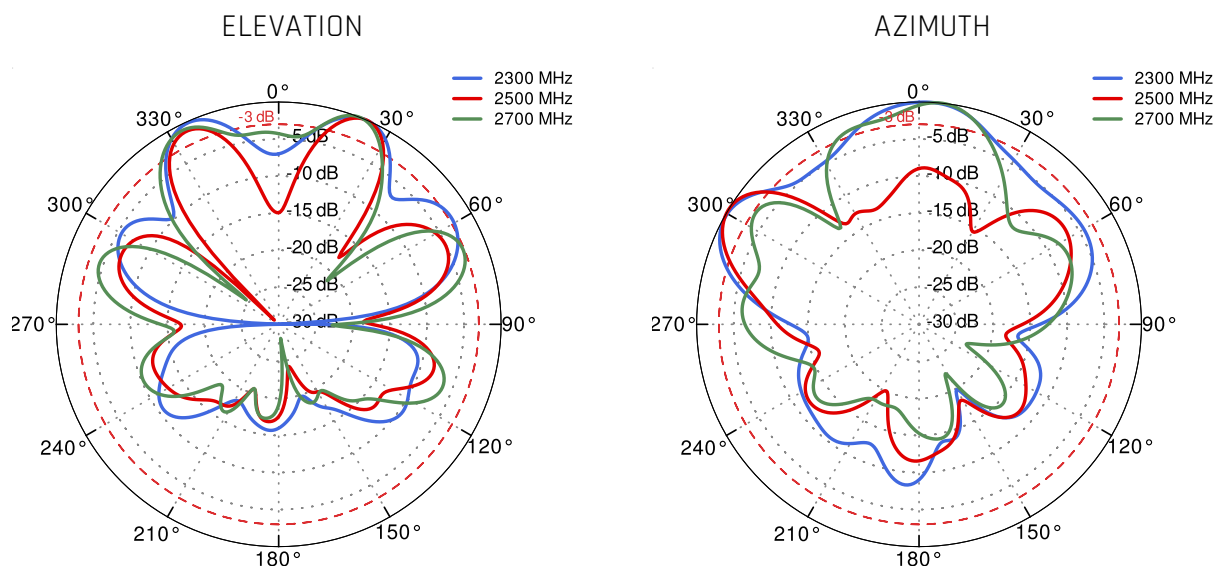
PORT 2&4 - 5G/LTE From 650MHz to 950MHz



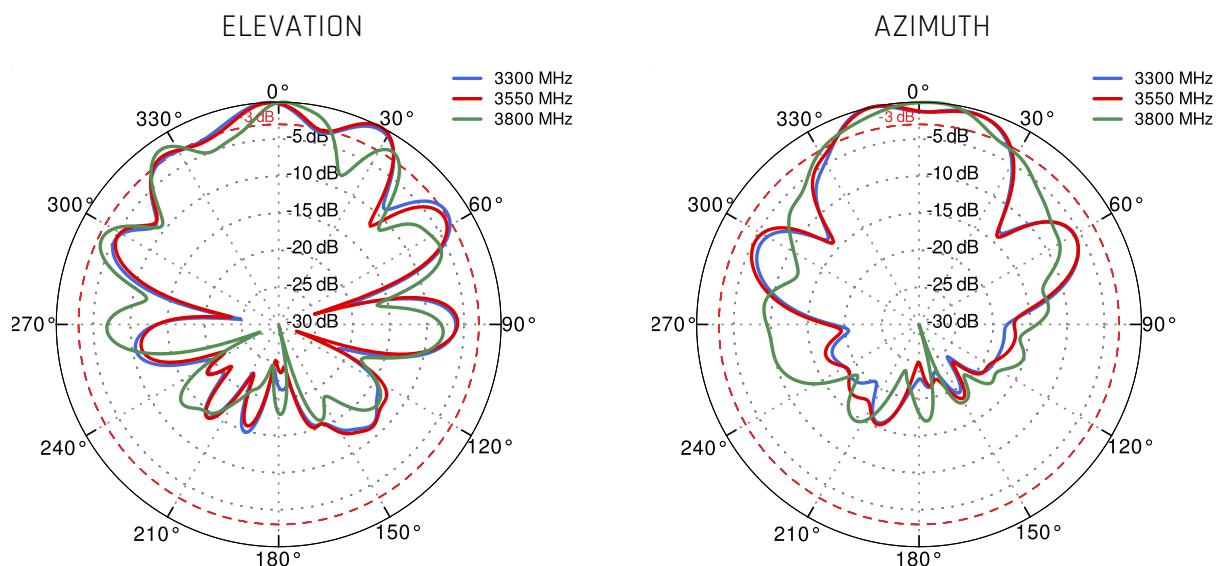
PORT 2&4 - 5G/LTE From 1.71GHz to 2.17GHz



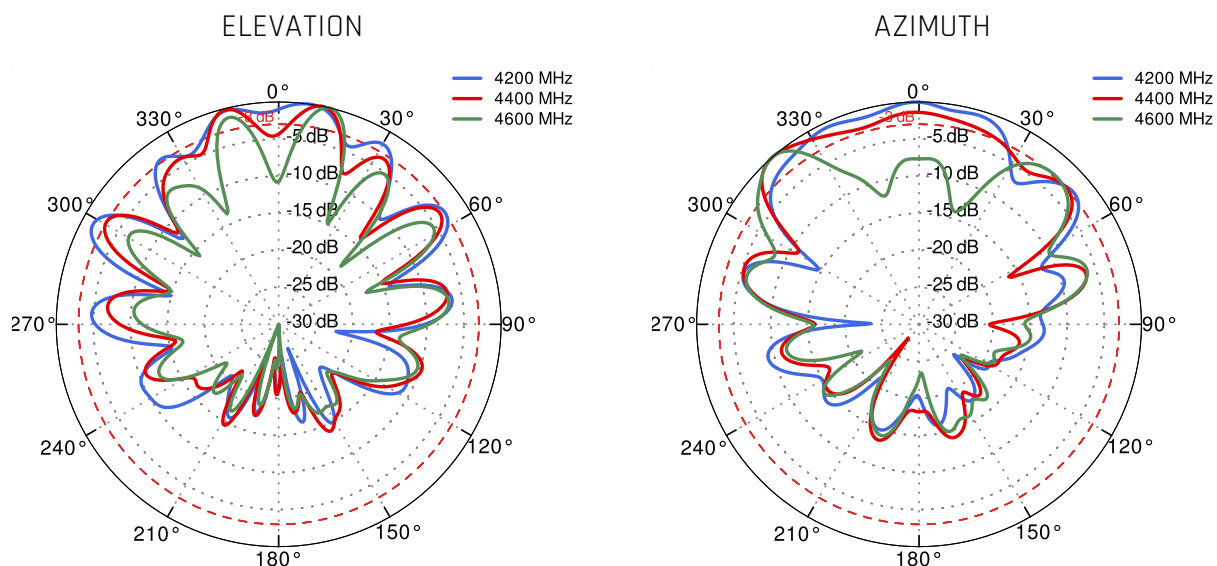
PORT 2&4 - 5G/LTE From 2.3GHz to 2.7GHz



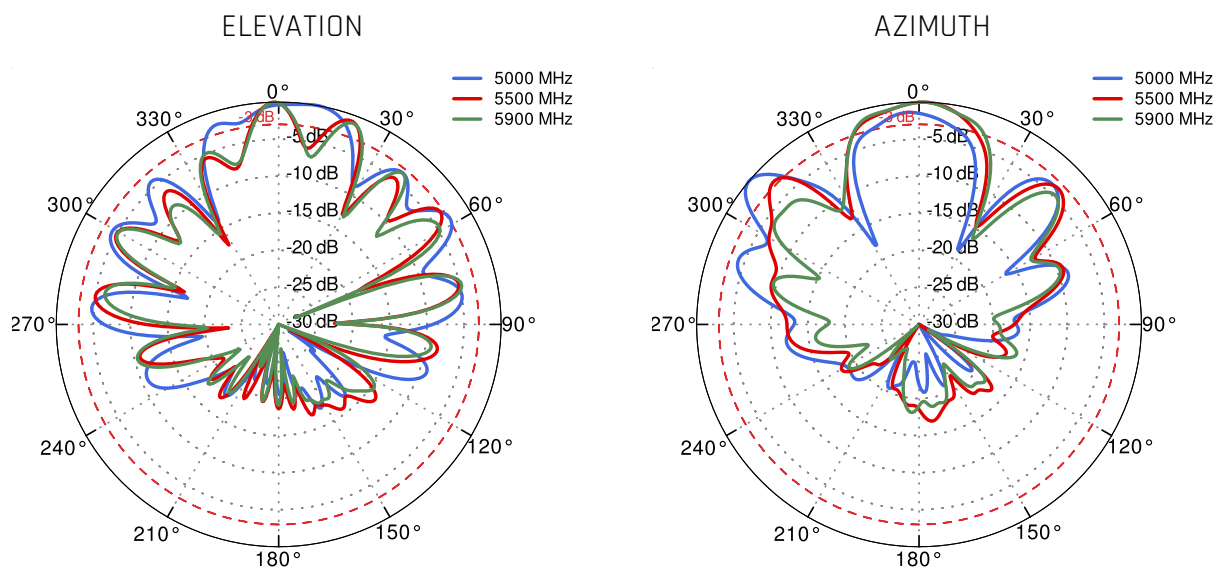
PORT 2&4 - 5G/LTE From 3.3GHz to 3.8GHz



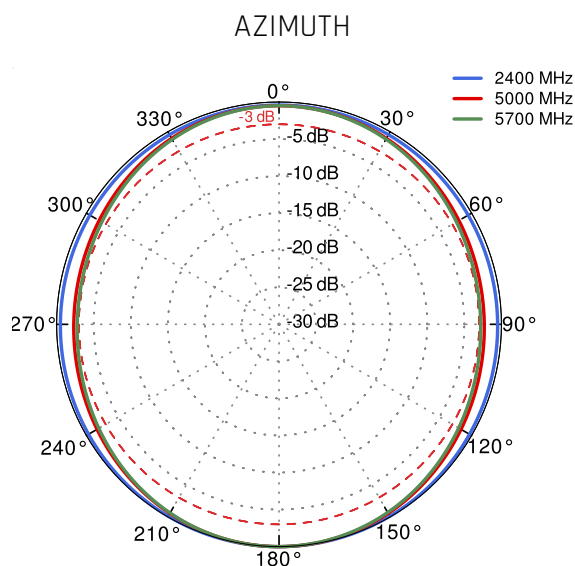
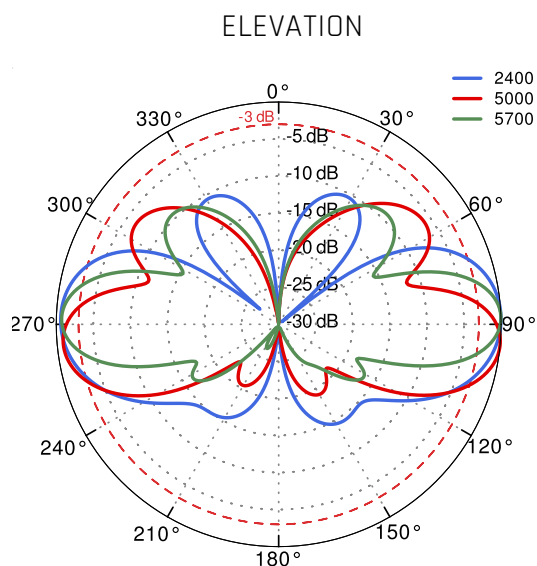
PORT 2&4 - 5G/LTE From 4.2GHz to 4.6GHz



PORT 2&4 - 5G/LTE From 5.0GHz to 5.9GHz



Wi-Fi From 2.4 GHz to 5.7 GHz



DIMENSIONS

