

QuMax for Teltonika RUTM59

INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + GPS + PLACE TO INSTALL TELTONIKA RUTM59 (ALL-IN-ONE)

QuMax for RUTM59 is a high performance directional antenna designed for use in a variety of wireless communication applications. This all-in-one product consists of multi-band 5G and GPS antennas integrated in IP68 enclosure. It offers 7,5 dBi gain and wide beamwidth, which makes it suitable for use in both urban and rural environments.

Combining QuMax with RUTM59 inside the antenna housing gives you complete outdoor solution with multiple use scenarios such as transportation public, energy, mining IoT and more.



OUTDOOR ANTENNA WORKS IN **ANY**
WEATHER CONDITIONS, IP68



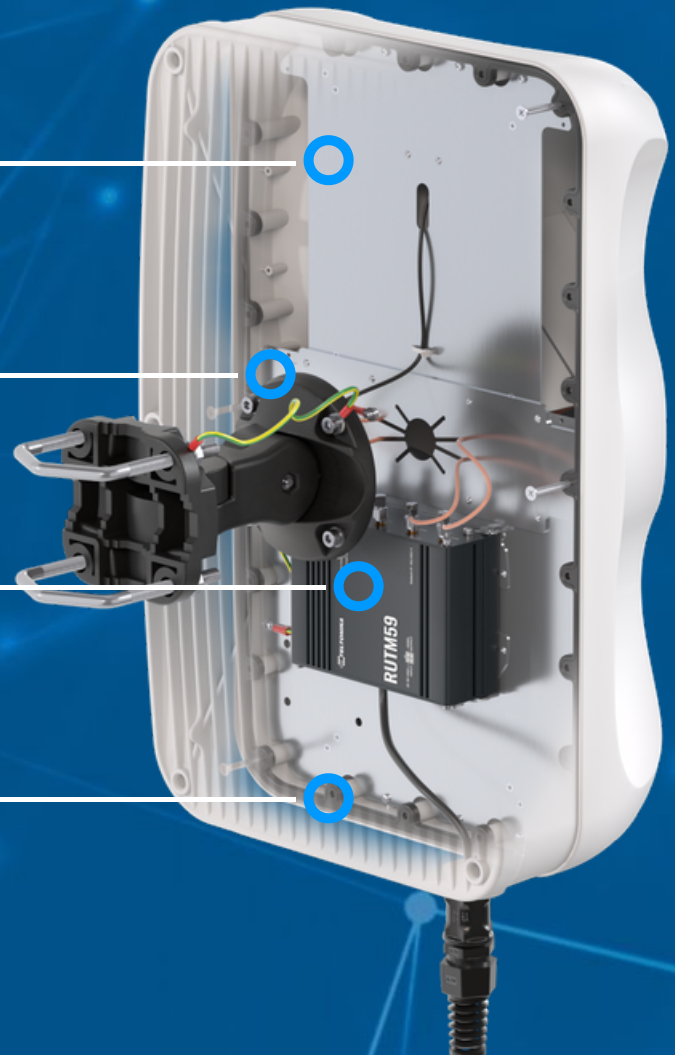
ANTENNA **PERFECTLY MATCHED** WITH
THE ROUTER



PASSIVE **POE** SUPPORT



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 |
| 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 |
| 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, n255 |
| VSWR | <2.00, max <3.00 |
| BEAMWIDTH | 80°/80° ±15° |
| POLARIZATION | X (±45degrees) |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION

| | |
|--|---|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| CONNECTOR TYPE | RJ45 |
| INGRESS PROTECTION | IP68 |
| 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 |
| ENCLOSURE RECOMMENDED TIGHTENING TORQUE | 0.6 - 0.8 Nm |
| MAST DIAMETER | 25-66mm 0.98-2.60 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 |
| 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 | | | | | | |

617 MHz 6000 MHz

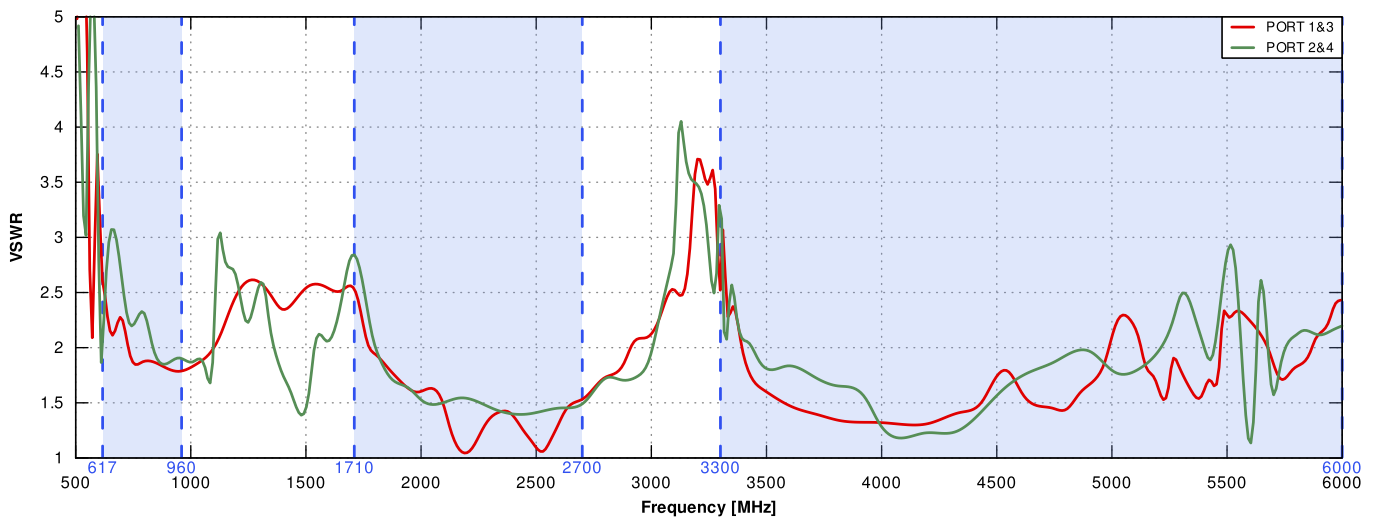
5G

| | | | | | | |
|-----|------|------|------|-----|-----|-----|
| 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 | n255 | | | |

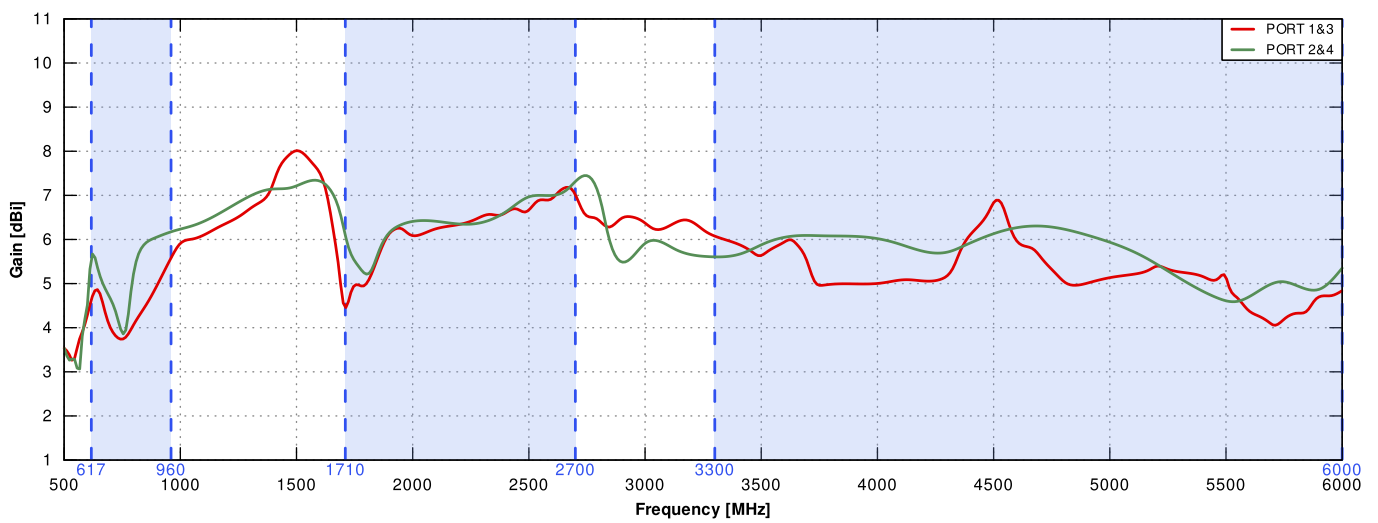
617 MHz 6000 MHz

PLOTS

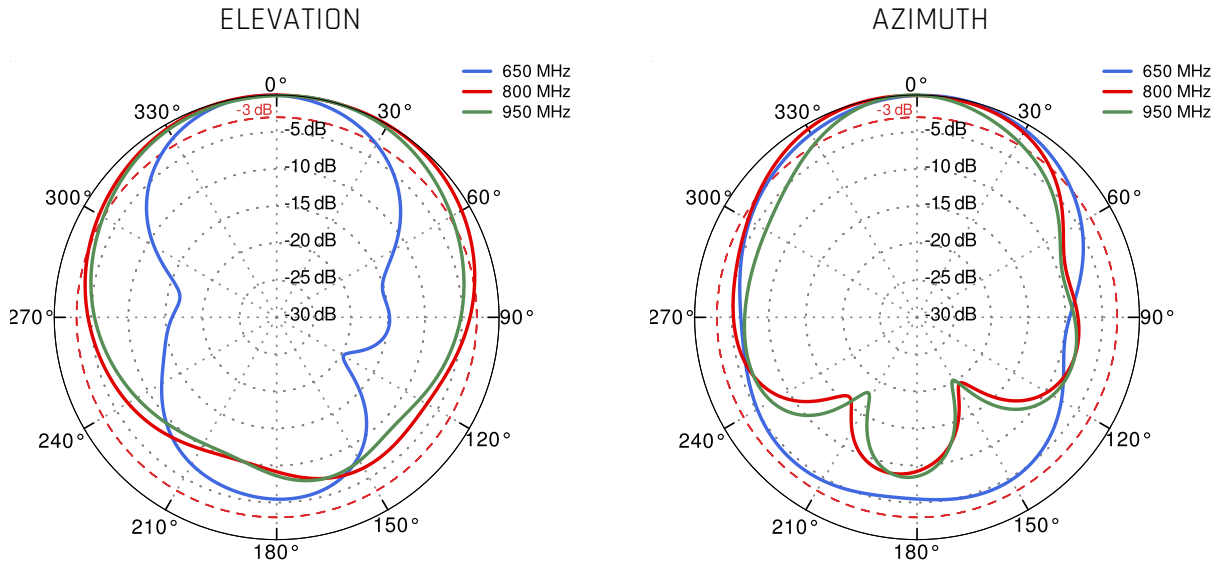
VSWR for 5G/LTE antenna



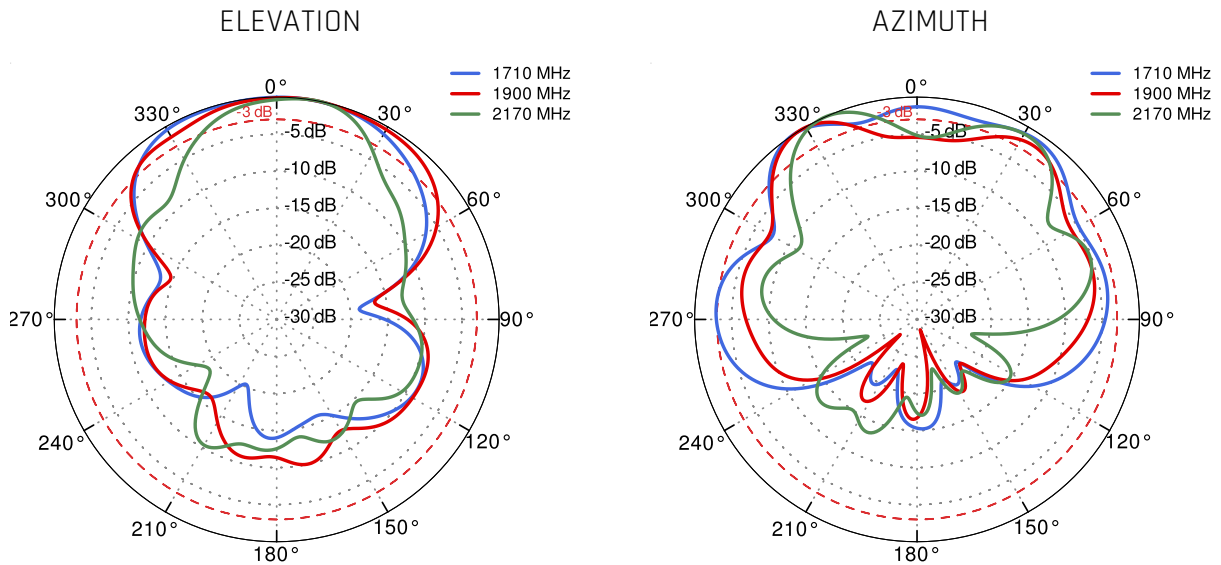
Gain for 5G/LTE antenna



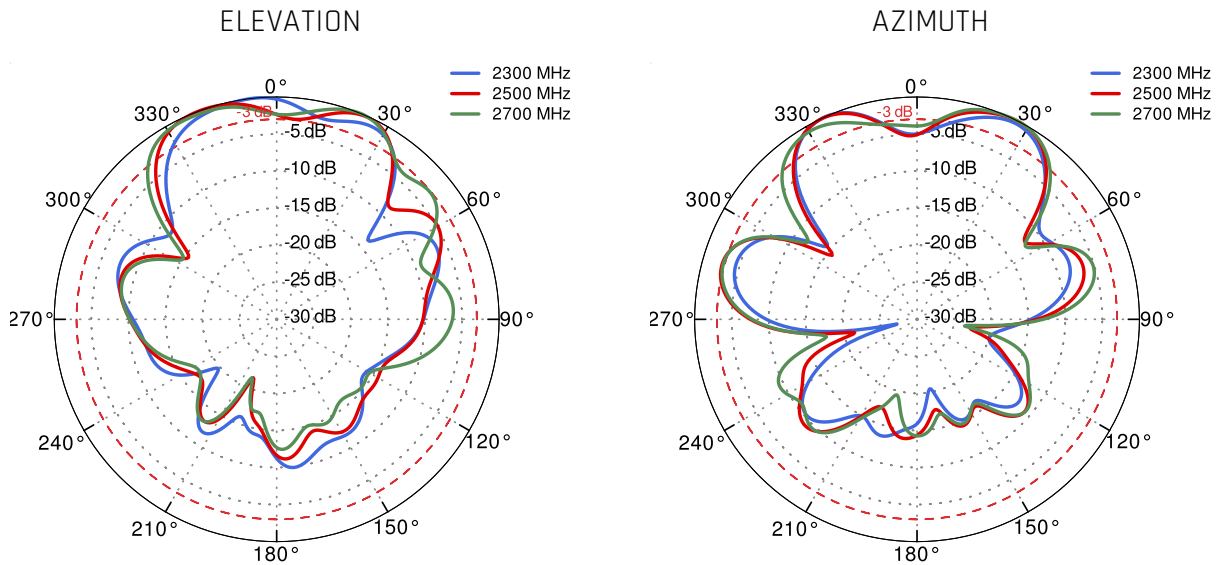
PORT 1&3 - 5G/LTE from 650MHz to 950MHz



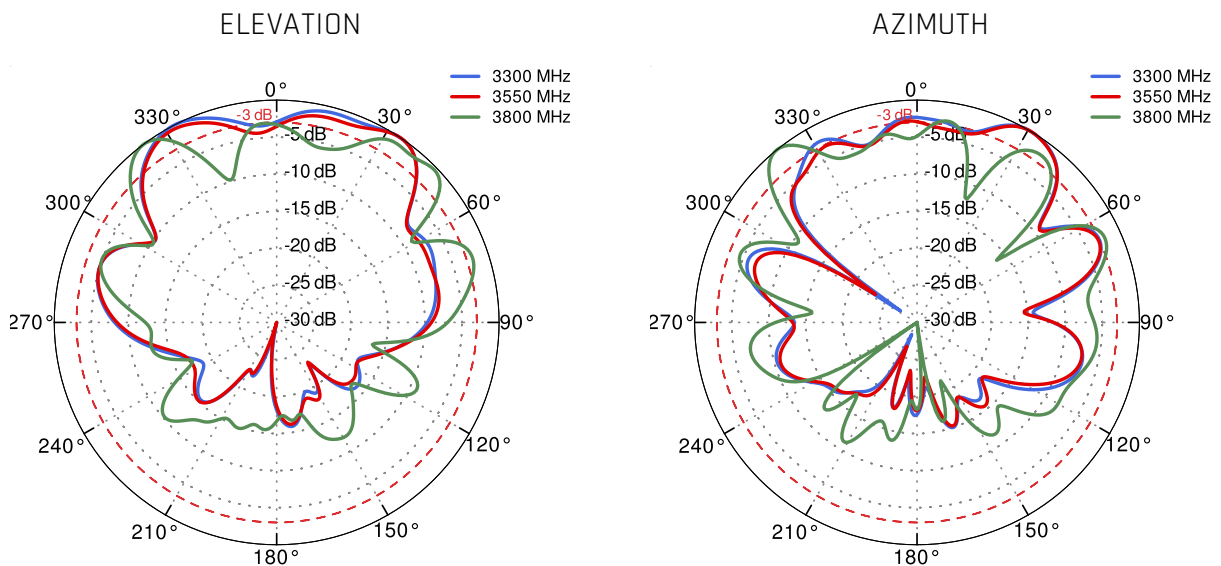
PORT 1&3 - 5G/LTE from 1.71GHz to 2.17GHz



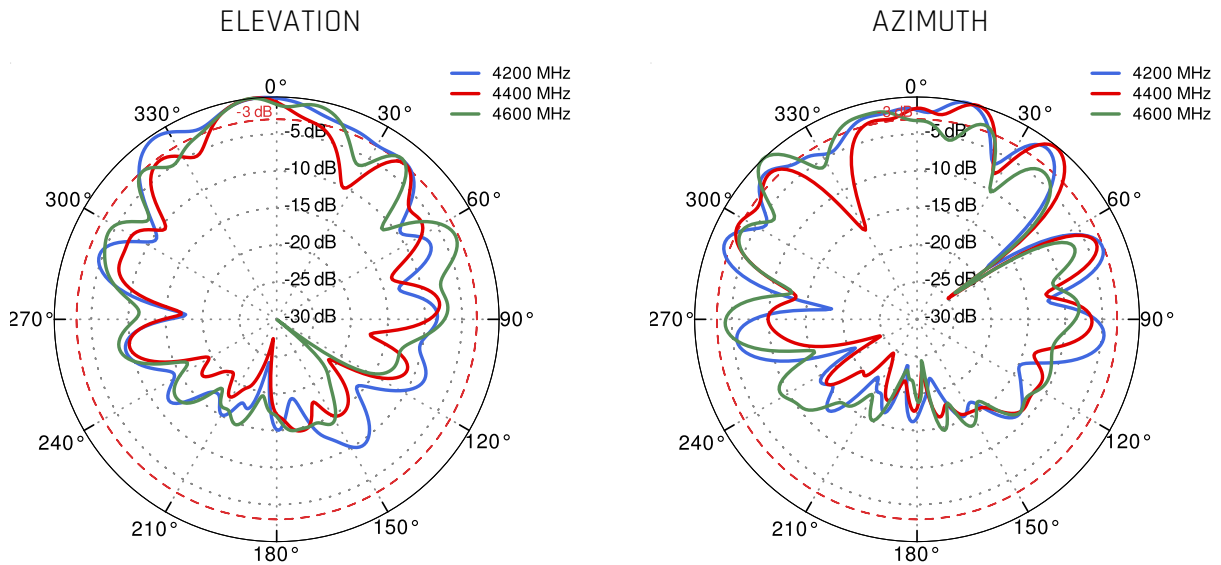
PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz



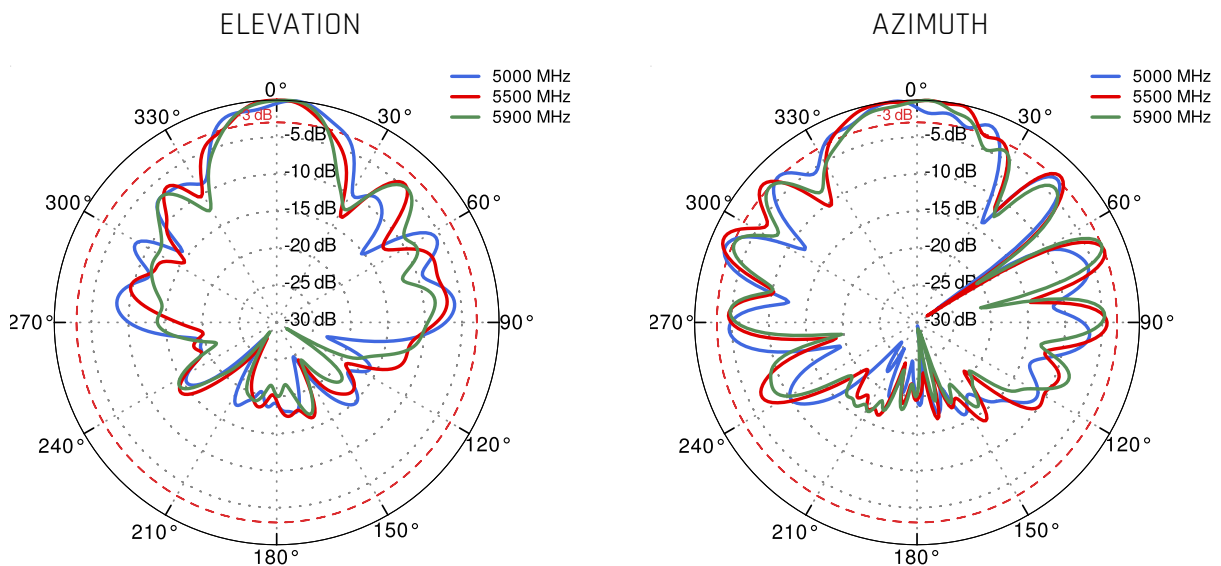
PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz

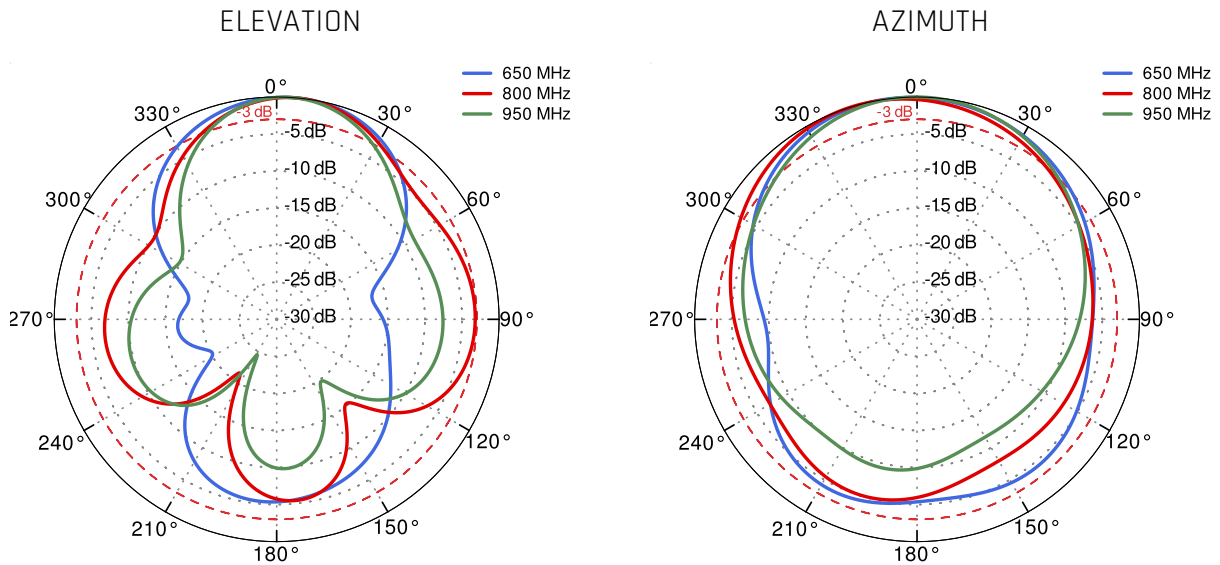
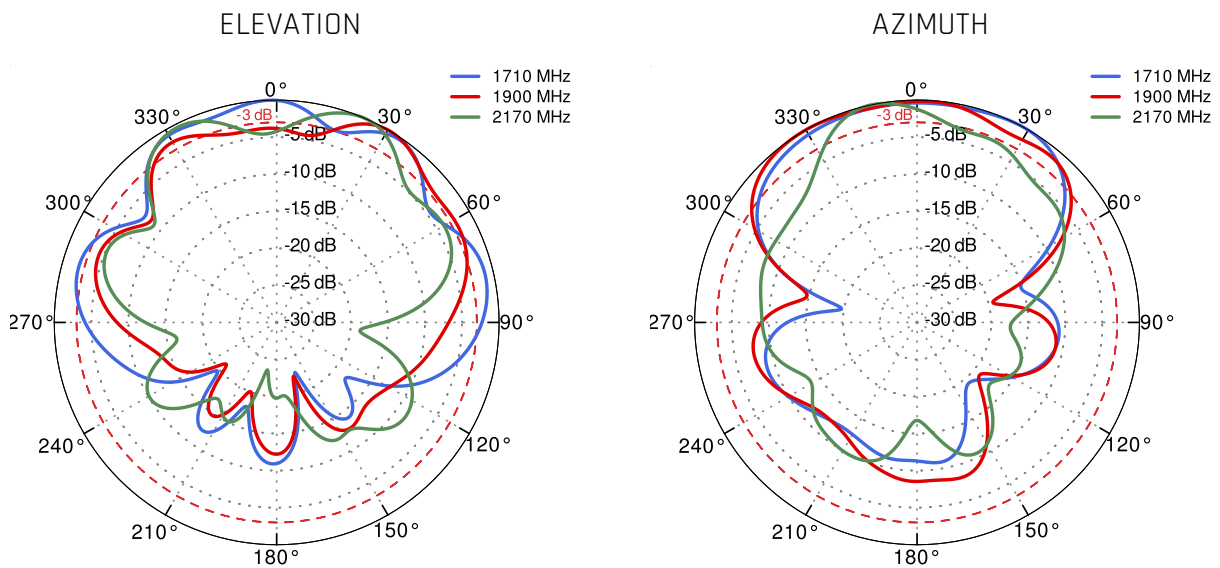


PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz

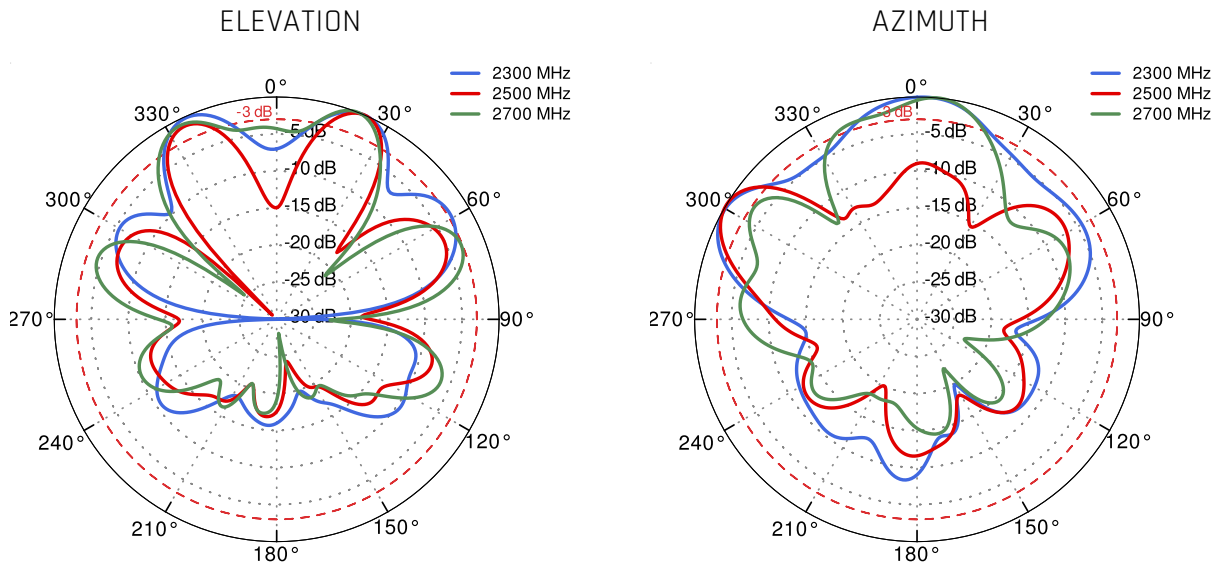


PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz

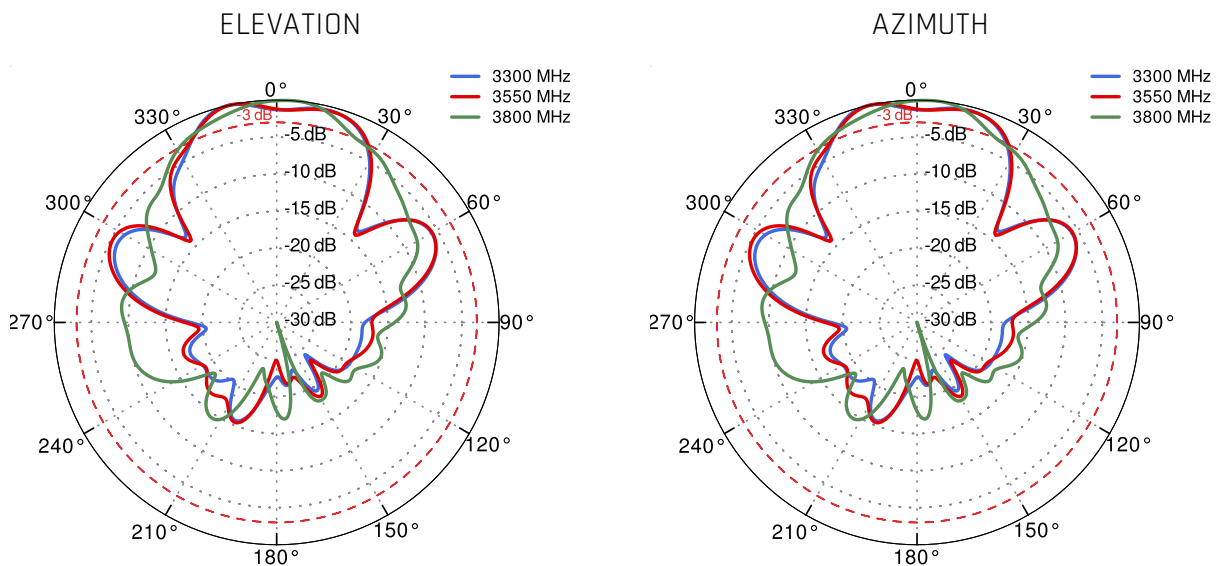


PORT 2&4 - 5G/LTE from 650MHz to 950MHz

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


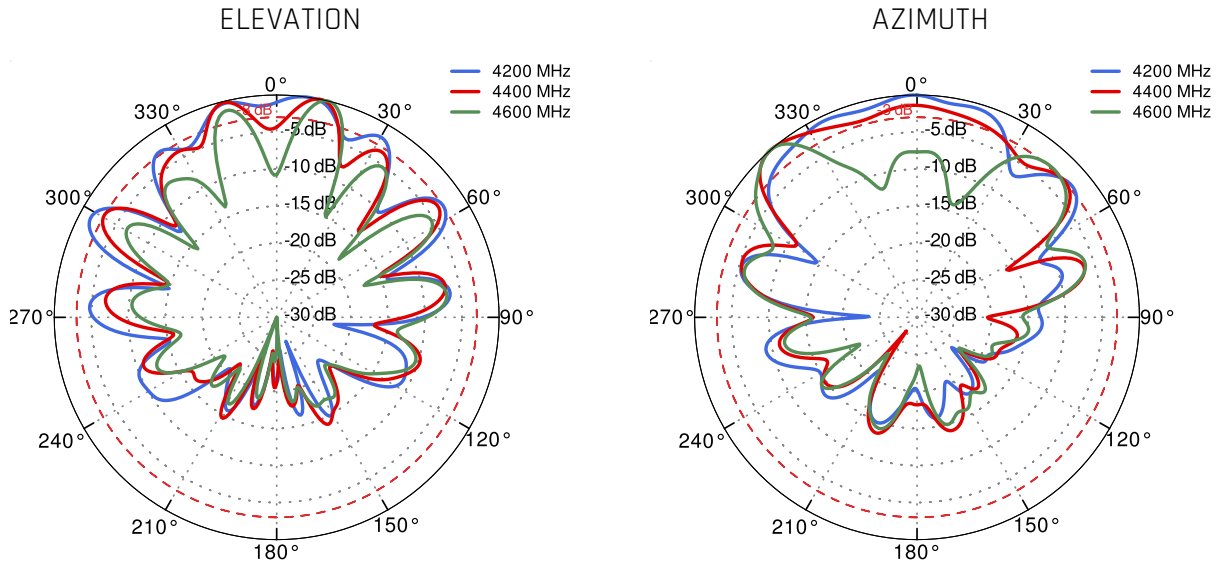
PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz



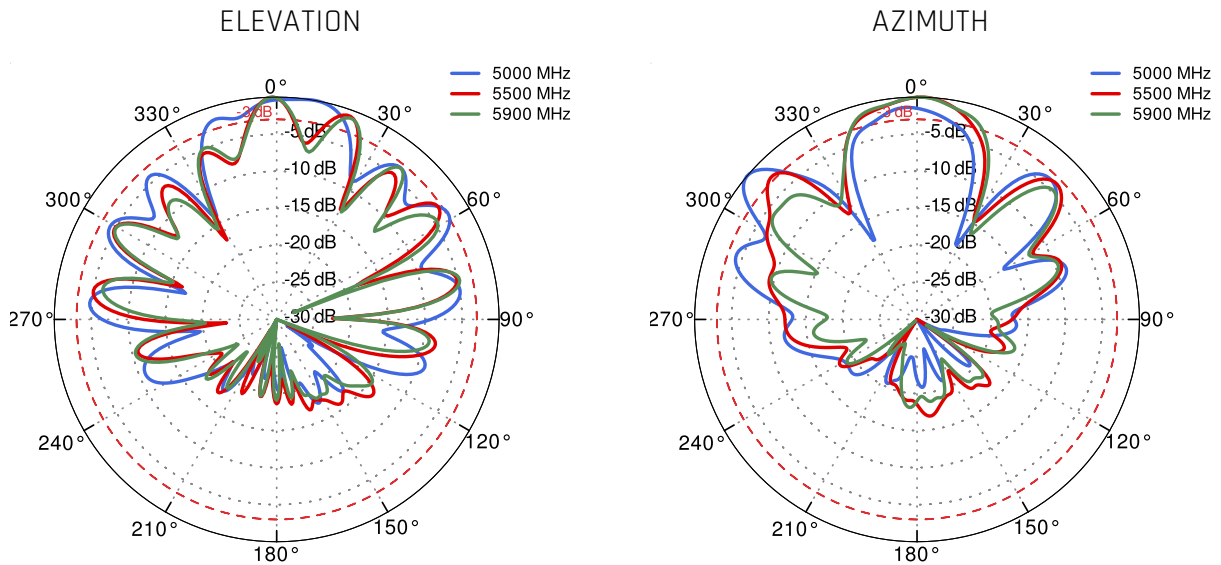
PORT 2&4 - 5G/LTE from 3.3GHz to 3.8GHz



PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz



DIMENSIONS

