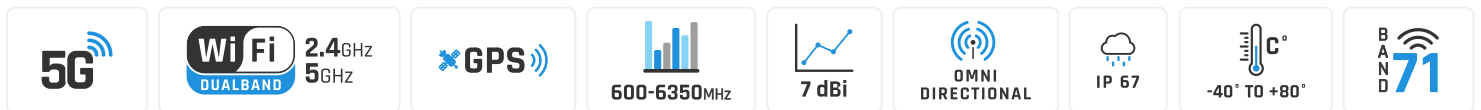


QuSpot for Teltonika RUTX50 2xRJ45 1xQuPS2

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL TELTONIKA RUTX50/RUTM51/RUTM54/RUTM55 (ALL-IN-ONE)

QuSpot for RUTX50/RUTM51/RUTM54/RUTM55 is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. This product is an all in one solution that integrates a high gain omnidirectional 5G and Wi-Fi antennas with RUTX50, RUTM51, RUTM54, RUTM55 into a single IP67 enclosure. Such integration allows implementation of new outdoor 5G solutions.

QuSpot for RUTX50/RUTM51/RUTM54/RUTM55 is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats and camping but also city centres with high signal density.



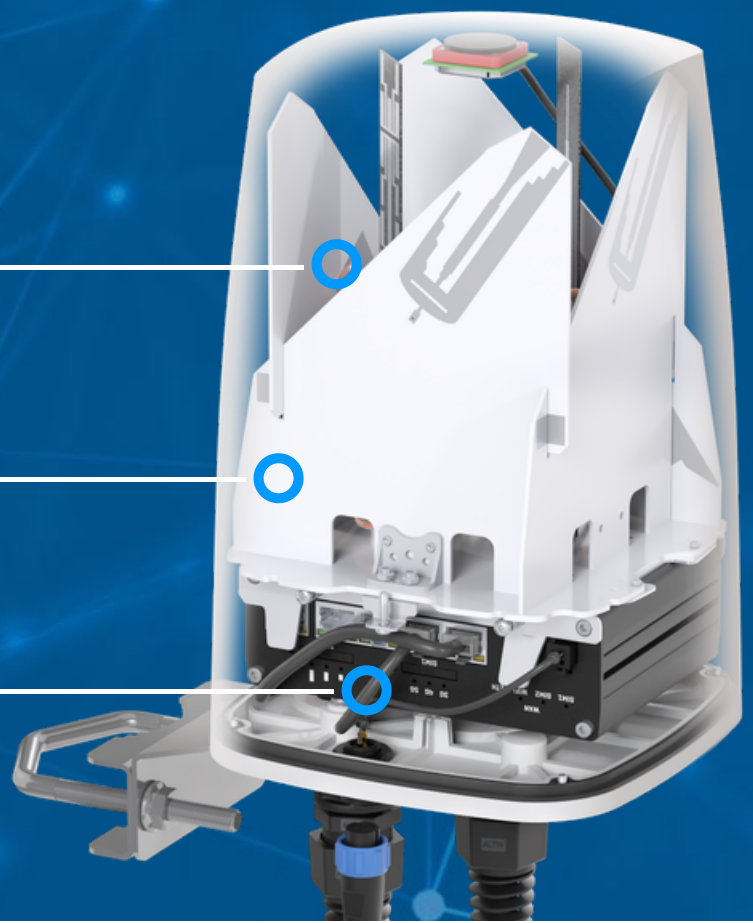
OUTDOOR ANTENNA WORKS IN **ANY**
WEATHER CONDITIONS, IP67



ANTENNA **PERFECTLY MATCHED** WITH
THE ROUTER



MADE IN **EUROPE**



5G ANTENNA SPECIFICATION

| | |
|----------------------------|---|
| FREQUENCY | 0.6 - 1.4 GHz 1.5 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.35 GHz |
| MAX. GAIN | 0.6 - 1.4 GHz : 2.6 dBi 1.5 - 3.0 GHz : 4.2 dBi 3.0 - 5.0 GHz : 4.4 dBi 5.0 - 6.35 GHz : 2.1 dBi |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256 |
| SUPPORTED 5G BANDS | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n105, n106, n250, n251, n252, n253, n254, n255, n256 |
| VSWR | <2.00, max <3.00 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |
| CONNECTOR | 4x SMA |
| CABLE TYPE | RG316 |

WI-FI ANTENNA SPECIFICATION

| | |
|---------------------|--|
| FREQUENCY | 2.4 - 2.5 GHz 4.7 - 6 GHz |
| MAX. GAIN | 2.4 - 2.5 GHz : 6 dBi 4.7 - 6 GHz : 7.5 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |
| CONNECTOR | 2x RPSMA |
| CABLE TYPE | RG316 |

GPS ACTIVE ANTENNA SPECIFICATION

| | |
|--------------------------|--|
| FREQUENCY | 1.56 - 1.61 GHz |
| VSWR | < 2 |
| GAIN | 3 dBi |
| GAIN 3V | 28 dBi |
| DC POWER INPUT | 2.5 V ~ 6.5 V |
| POWER CONSUMPTION | 2.5-6.5mA |
| IMPEDANCE | 50 Ω |
| POLARIZATION | RHCP (right hand circularly polarized) |

CONNECTOR

1x SMA

CABLE TYPE

RG174

 **MECHANICAL SPECIFICATION****MATERIALS**

ABS, aluminum, PTFE

CONNECTOR2 x RJ45
1 x QuPS2**INGRESS PROTECTION**

IP67

DIMENSIONS159 x 159 x 242 ± 10 mm
6.25 x 6.25 x 9.53 ± 0.39 inch**NET WEIGHT**1,43 ± 0.2 kg
3.15 ± 0.44 lbs**VENT AIR PERMEABILITY**

> 1000ml/min @70mbar

OPERATING TEMPERATUREFrom -40°C to 75°C
From -40°F to 167°F**MAST DIAMETER**25-66 mm
0.98-2.60 inch**INCLUDED BRACKET WIND SURVIVAL**

≤190 km/h

OPTIONAL BRACKET WIND SURVIVAL (2X U-BOLT)

≤220 km/h

ENCLOSURE RECOMMENDED TIGHTENING TORQUE

0.6 - 0.8 Nm

FREQUENCY BANDS

LTE / 4G

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 12 | 13 | 14 | 17 |
| 18 | 19 | 20 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 33 | 34 |
| 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 42 | 43 | 44 | 46 | 47 | 48 | 49 |
| 52 | 53 | 54 | 65 | 66 | 67 | 68 |
| 69 | 70 | 71 | 85 | 103 | 106 | 107 |
| 111 | 252 | 253 | 254 | 255 | 256 | |

600 MHz 6350 MHz

5G

| | | | | | | |
|------|------|------|------|------|------|------|
| n1 | n2 | n3 | n5 | n7 | n8 | n12 |
| n13 | n14 | n18 | n20 | n24 | n25 | n26 |
| n28 | n29 | n30 | n34 | n38 | n39 | n40 |
| n41 | n46 | n47 | n48 | n53 | n54 | n65 |
| n66 | n67 | n68 | n70 | n71 | n77 | n78 |
| n79 | n80 | n81 | n82 | n83 | n84 | n85 |
| n86 | n89 | n90 | n95 | n97 | n98 | n99 |
| n100 | n101 | n105 | n106 | n250 | n251 | n252 |
| n253 | n254 | n255 | n256 | | | |

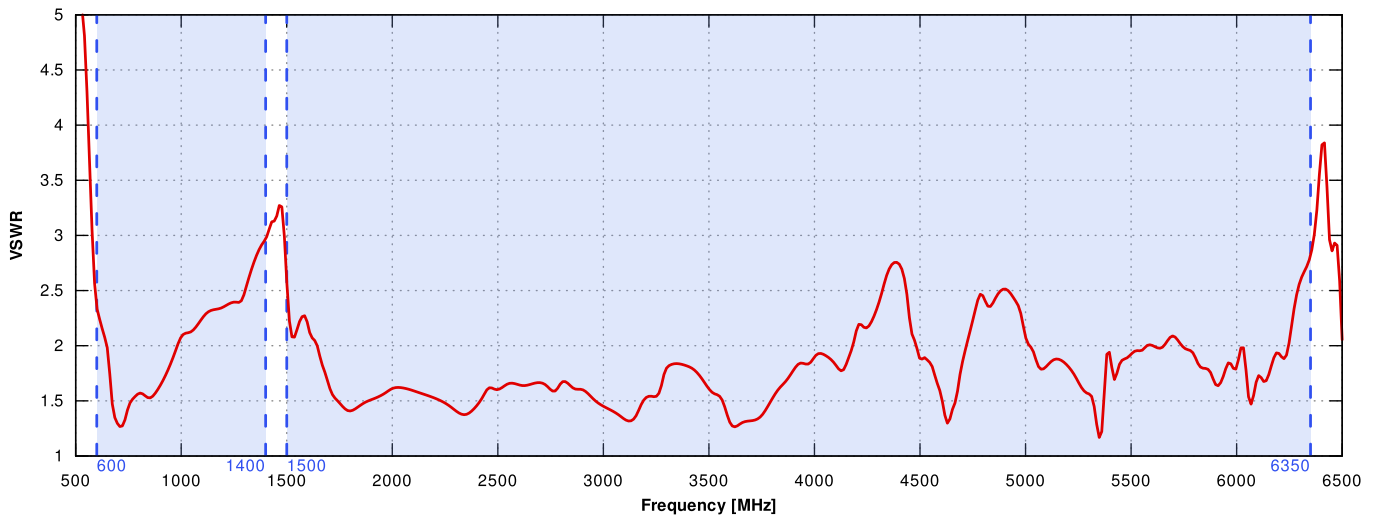
600 MHz 6350 MHz

COMPATIBLE ROUTERS

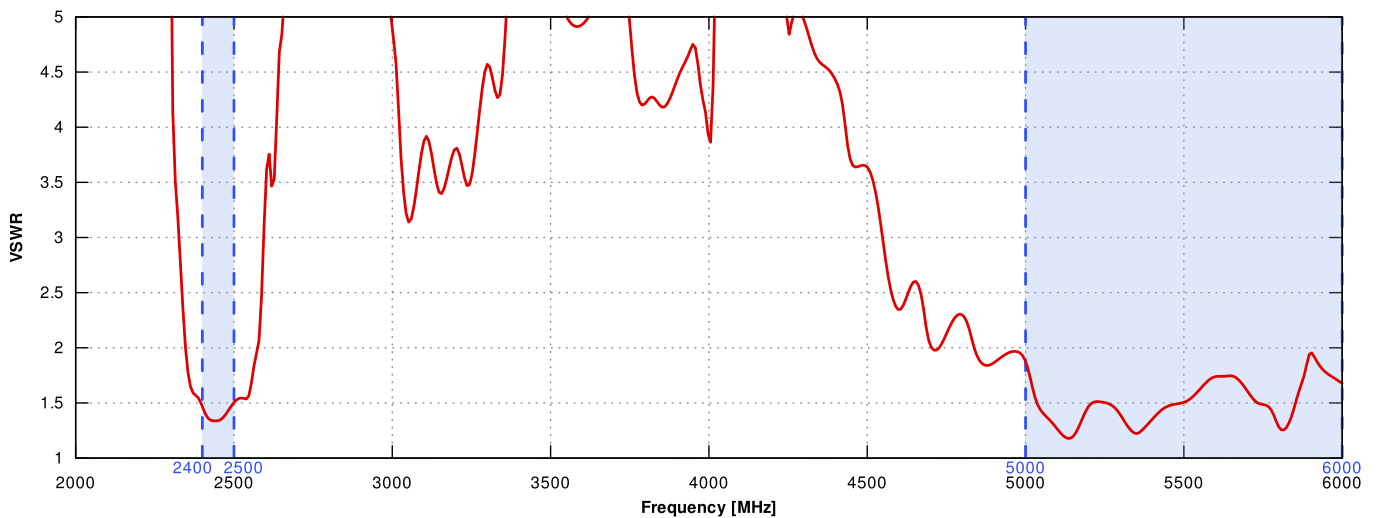
VARIANT: AX50S_T1

PLOTS

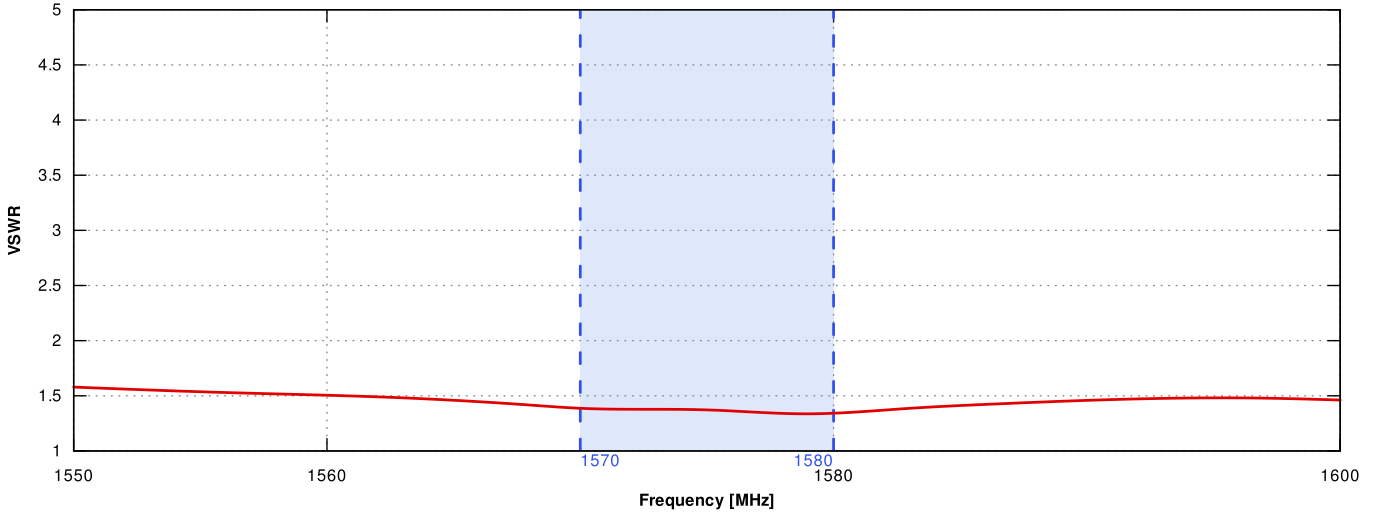
VSWR for 5G/LTE antenna



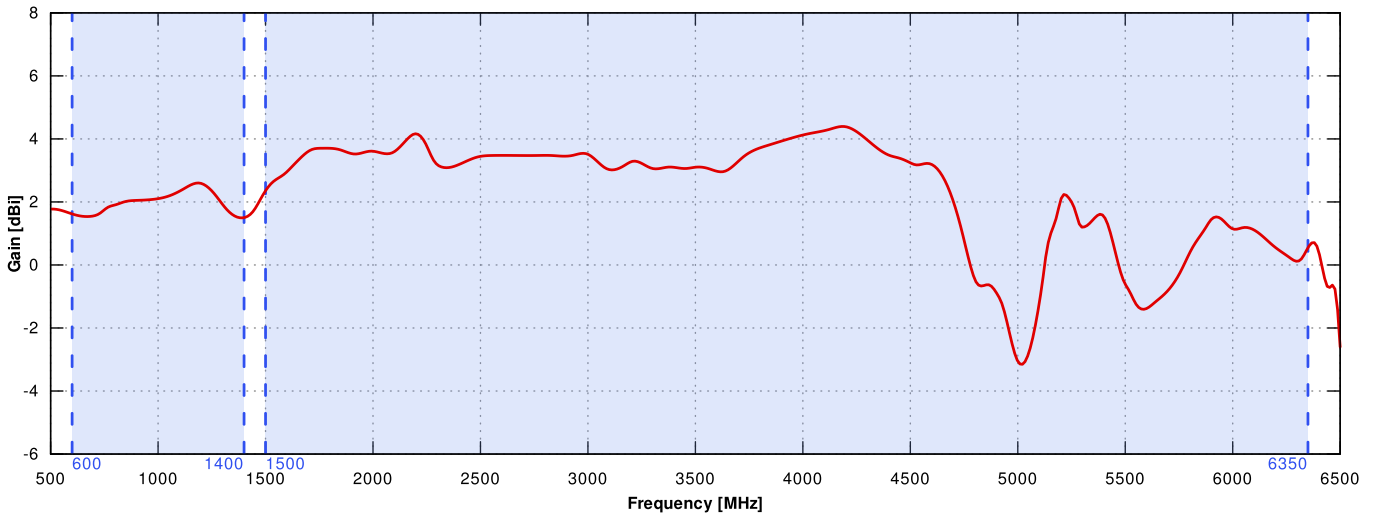
VSWR for Wi-Fi antenna



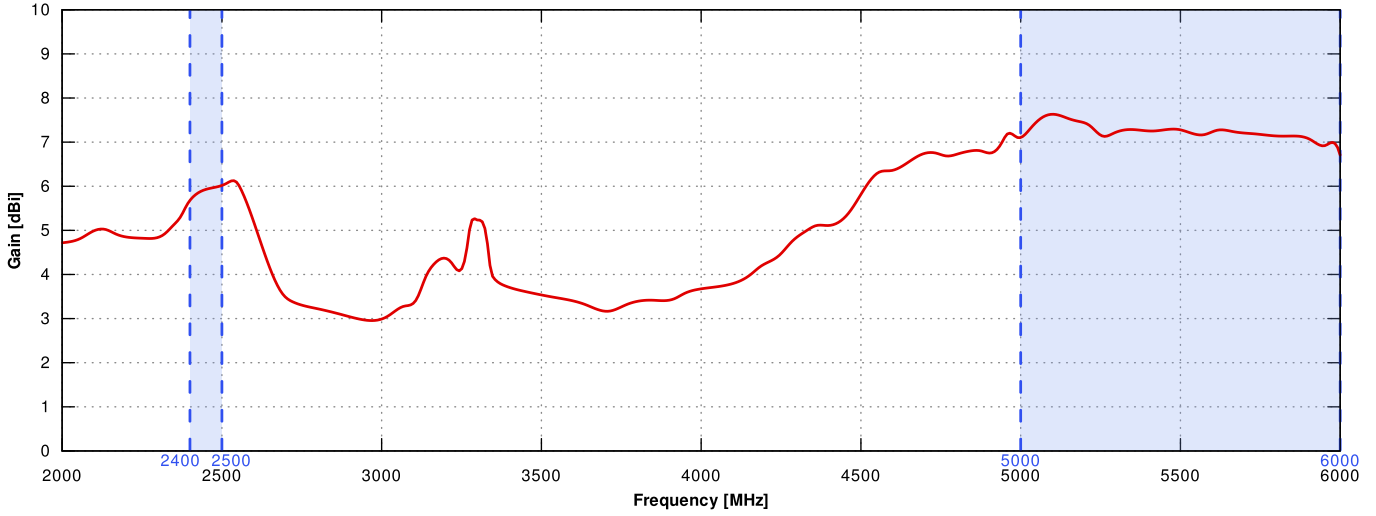
VSWR for GPS antenna



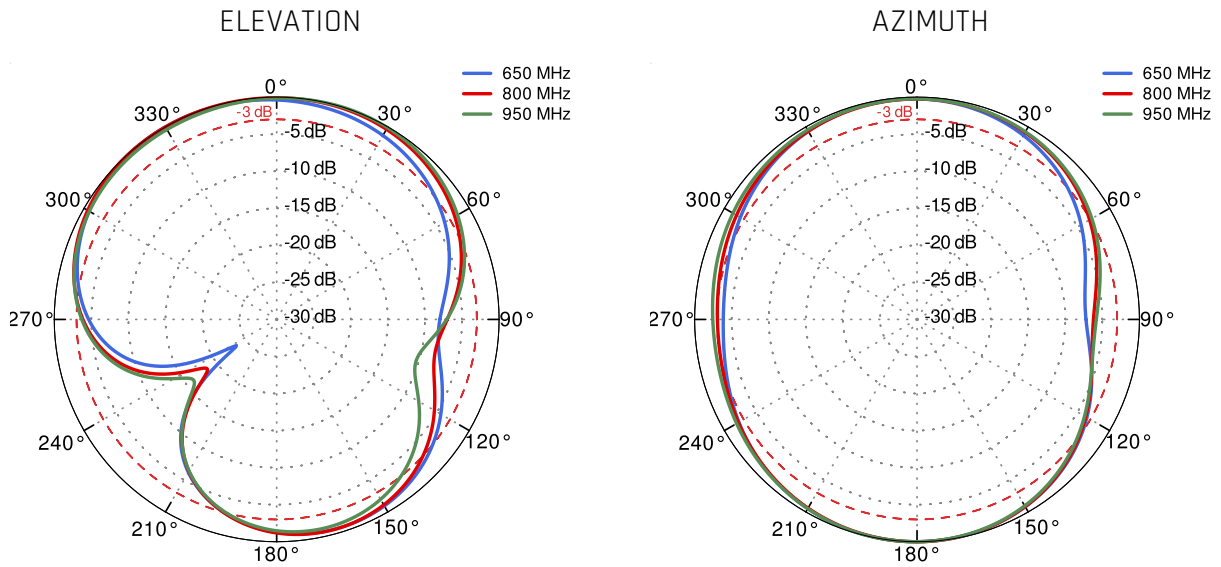
Gain for 5G/LTE antenna



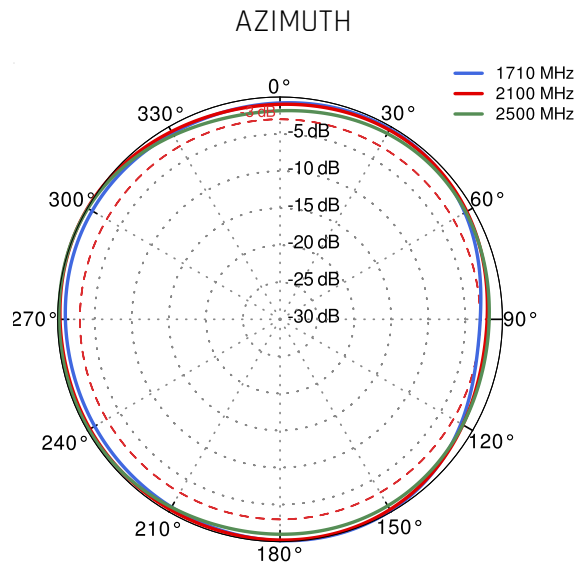
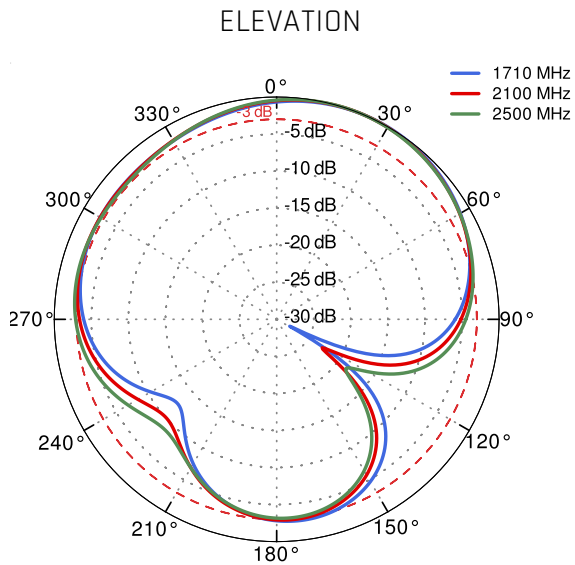
Gain for Wi-Fi antenna



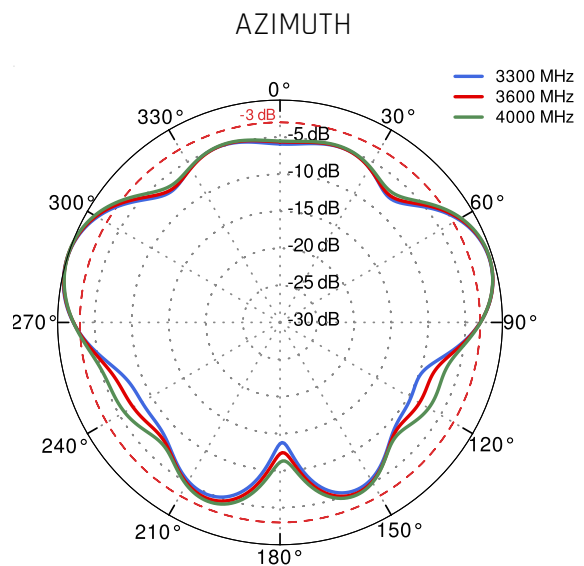
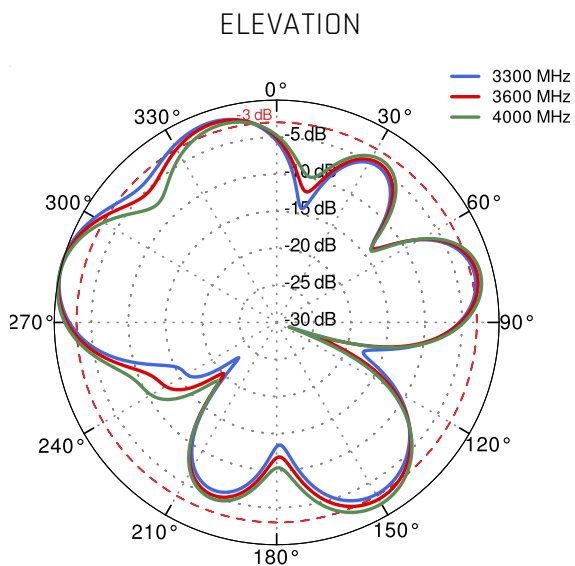
5G/LTE from 650MHz to 950MHz



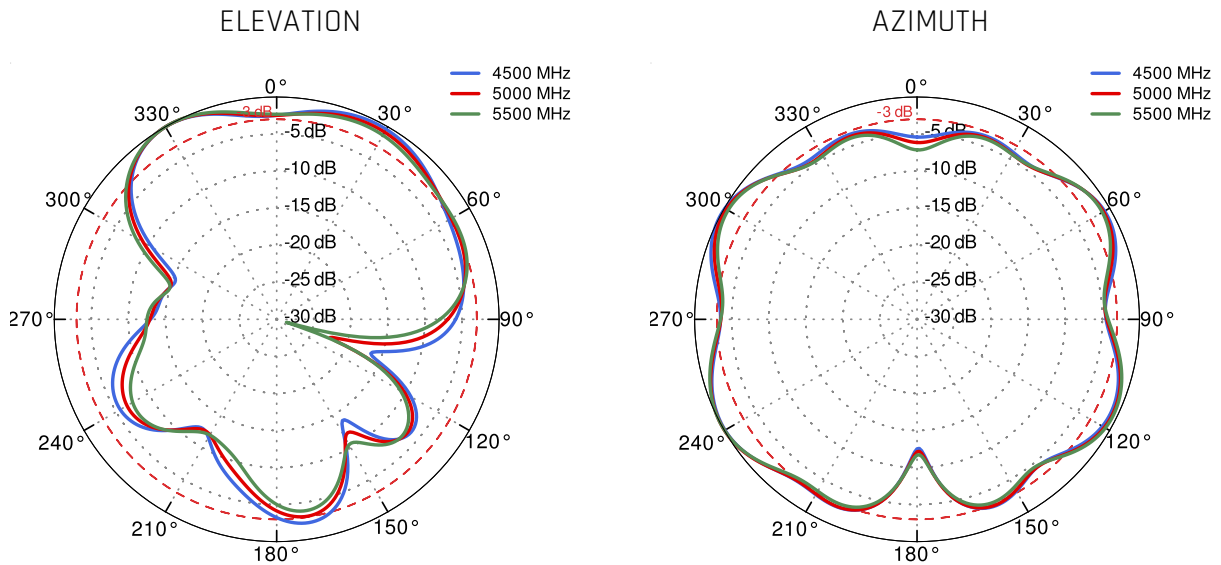
5G/LTE from 1.71GHz to 2.5GHz



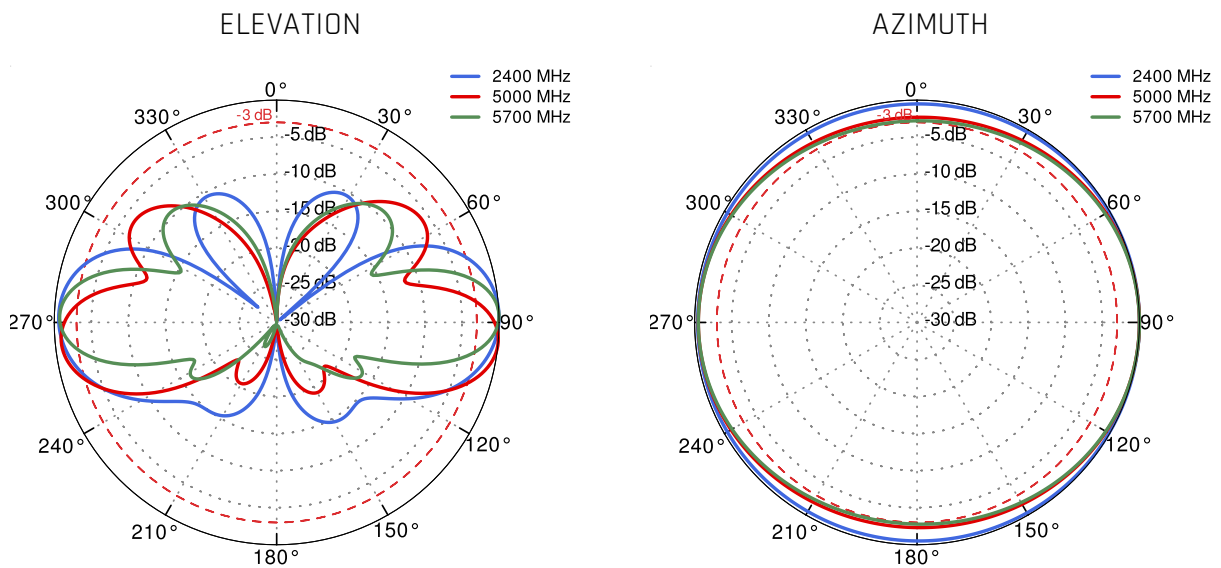
5G/LTE from 3.3GHz to 4.0GHz



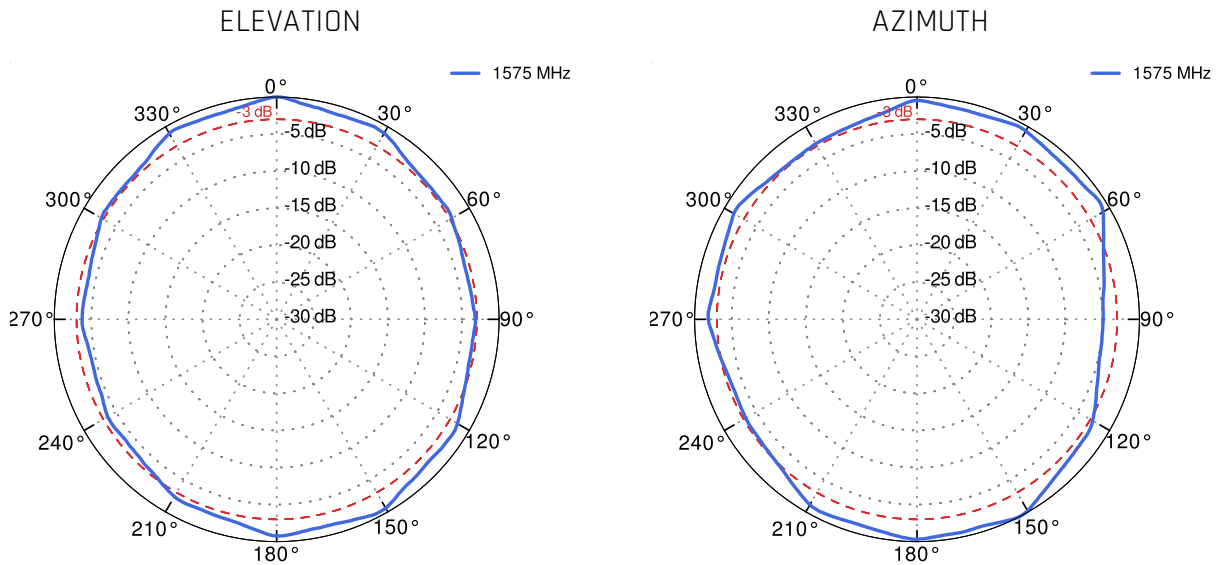
5G/LTE from 4.5GHz to 5.5GHz



Wi-Fi 2.4 GHz and 5 GHz



GPS 1575MHz



DIMENSIONS
