

# QuSpot for RUT2xx

**Integrated multi-band 5G/LTE omni antenna + WiFi omni antenna + place to install Teltonika RUT2xx (All-in-one)**

QuSpot omnidirectional 5G/LTE antenna for Teltonika **RUT281, RUT260, RUT261, RUT241, RUT240, RUT230 or RUT200 routers** is a perfect outdoor device for mobile and fixed installations e.g. CCTV, hotspots, industrial areas, campervans, ships etc.. In addition to having omnidirectional, multi-band 5G/LTE antennas, **it has also embedded omnidirectional Wi-Fi antenna**. If you use RUT2xx with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

**4G**  
LTE  
**600-6350MHz**  
**4 dBi****Wi Fi** 2.4GHz  
DUALBAND 5GHz  
**OMNI  
DIRECTIONAL**  
**IP 68**  
**-40° TO +80°**

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



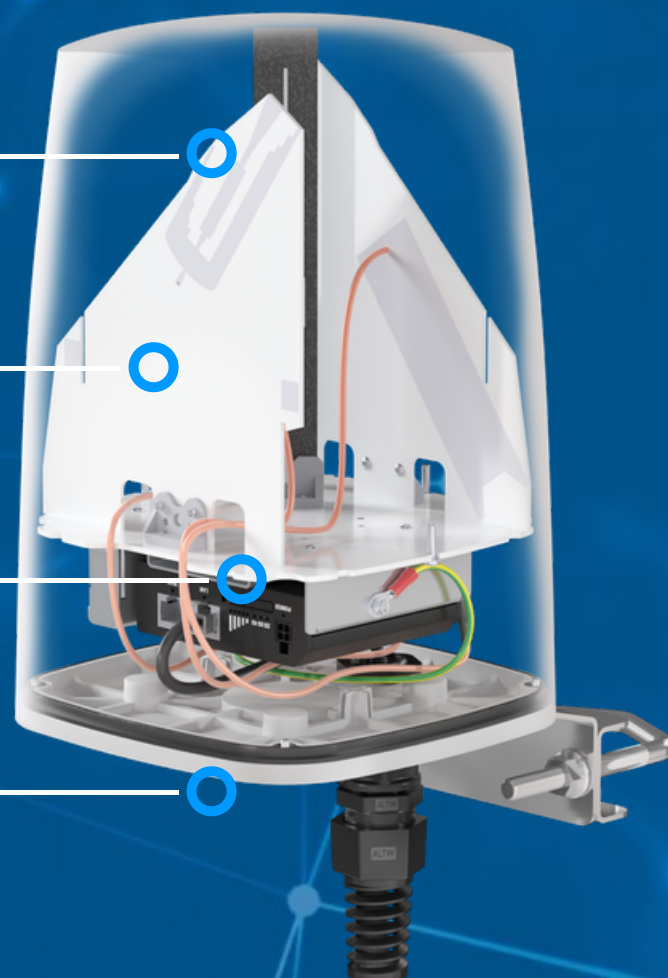
ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



WALL OR MAST MOUNTING SYSTEM



MADE IN **EUROPE**



## 5G/LTE ANTENNA SPECIFICATION

|                     |                                                                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FREQUENCY           | 0.6 - 1.4 GHz<br>1.5 - 3.0 GHz<br>3.0 - 5.0 GHz<br>5.0 - 6.35 GHz                                                                                                                                                                                                                                               |
| MAX. GAIN           | 0.6 - 1.4 GHz : 2.6 dBi<br>1.5 - 3.0 GHz : 4.2 dBi<br>3.0 - 5.0 GHz : 4.4 dBi<br>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°/35° ±5°                                                                                                                                                                                                                                                                                                    |
| POLARIZATION        | Vertical                                                                                                                                                                                                                                                                                                        |
| IMPEDANCE           | 50 $\Omega$                                                                                                                                                                                                                                                                                                     |

## WI-FI ANTENNA SPECIFICATION

|              |                                                       |
|--------------|-------------------------------------------------------|
| FREQUENCY    | 2.4 - 2.5 GHz<br>5.0 - 7.2 GHz                        |
| MAX. GAIN    | 2.4 - 2.5 GHz: 6dBi<br>5 GHz: 7.5dBi<br>7 GHz: 7.5dBi |
| VSWR         | < 1.50, max < 2.00                                    |
| BEAMWIDTH    | 360°/25°                                              |
| POLARIZATION | Vertical                                              |
| IMPEDANCE    | 50 $\Omega$                                           |

## MECHANICAL SPECIFICATION

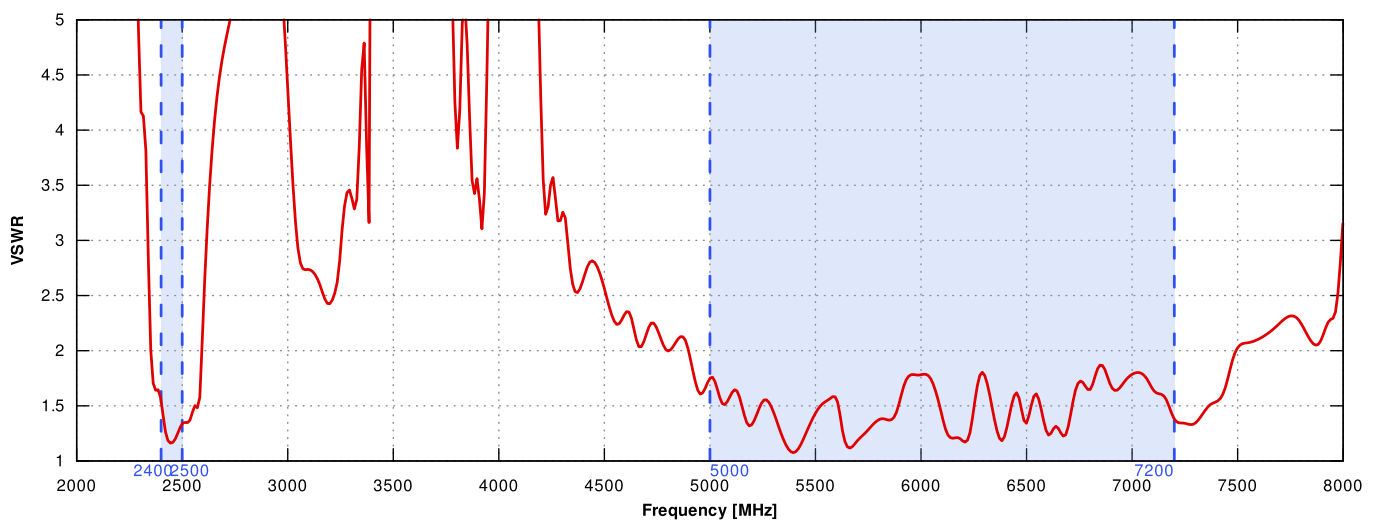
|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| MATERIALS                                  | ABS, aluminum, PTFE                         |
| CONNECTOR TYPE                             | RJ45                                        |
| INGRESS PROTECTION                         | IP68                                        |
| DIMENSIONS                                 | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| WEIGHT                                     | 1.5 kg<br>3.31 lbs                          |
| OPERATING TEMPERATURE                      | From -40°C to 80°C<br>From -40°F to 176°F   |
| ENCLOSURE RECOMMENDED<br>TIGHTENING TORQUE | 0.5 - 0.7 Nm                                |

**MAST DIAMETER**

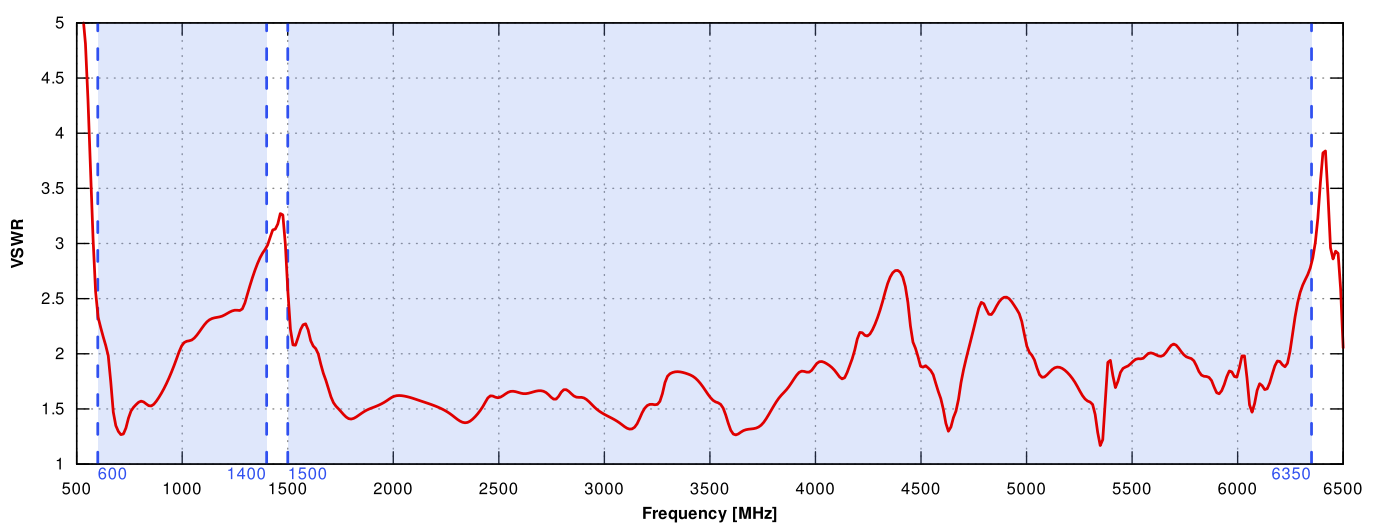
25-66 mm  
0.98-2.60 inch

## PLOTS

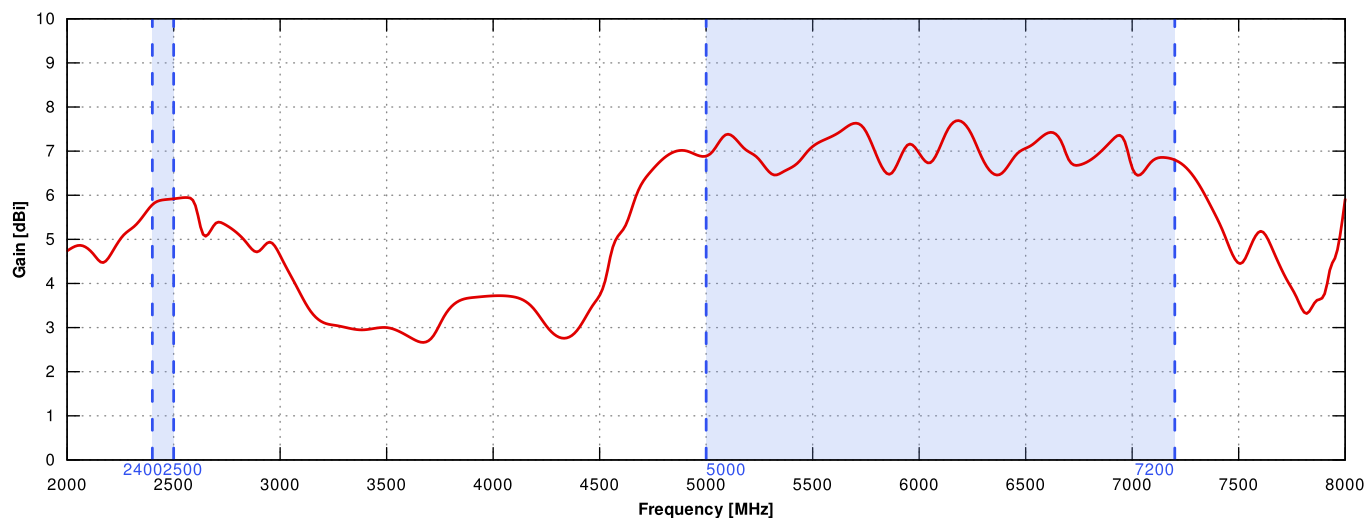
VSWR for Wi-Fi antenna



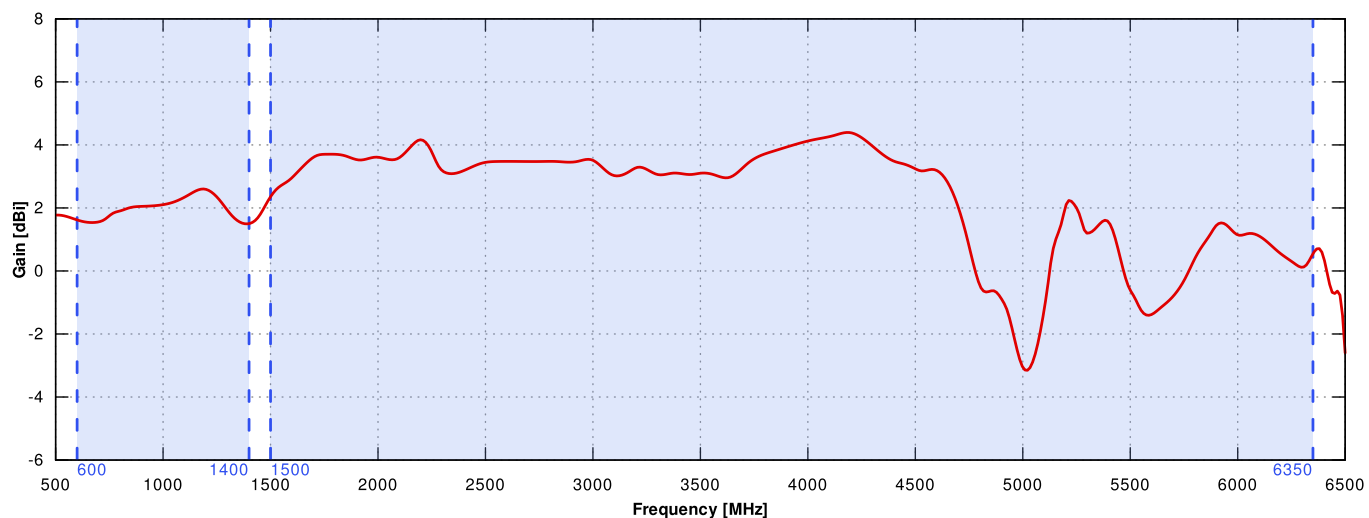
VSWSR for 5G/LTE antenna



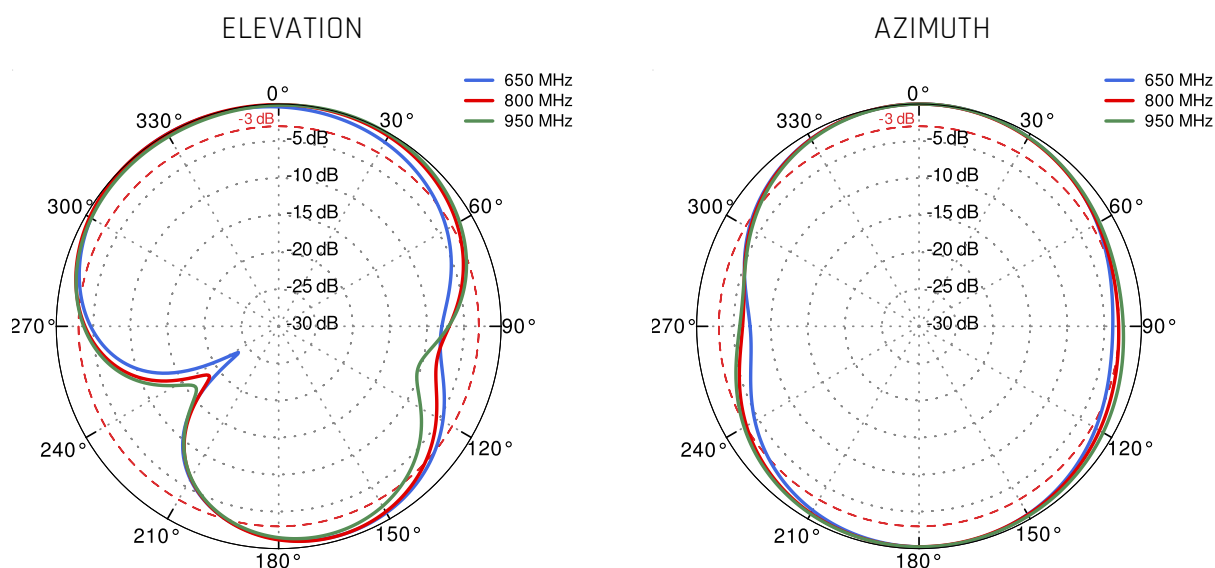
## Gain for Wi-Fi antenna



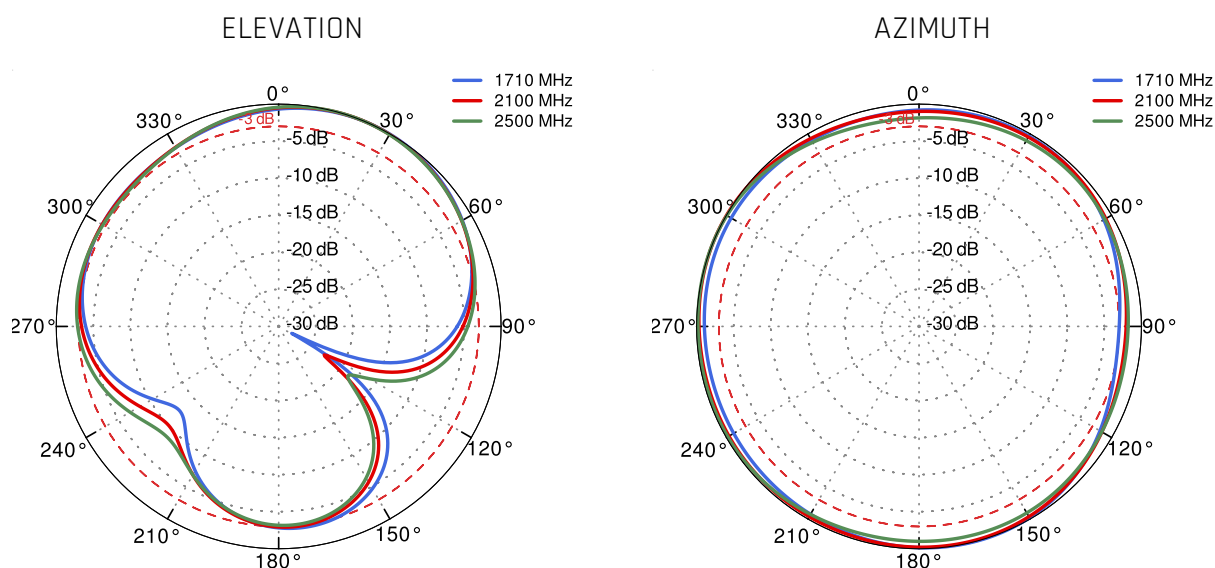
## Gain for 5G/LTE antenna



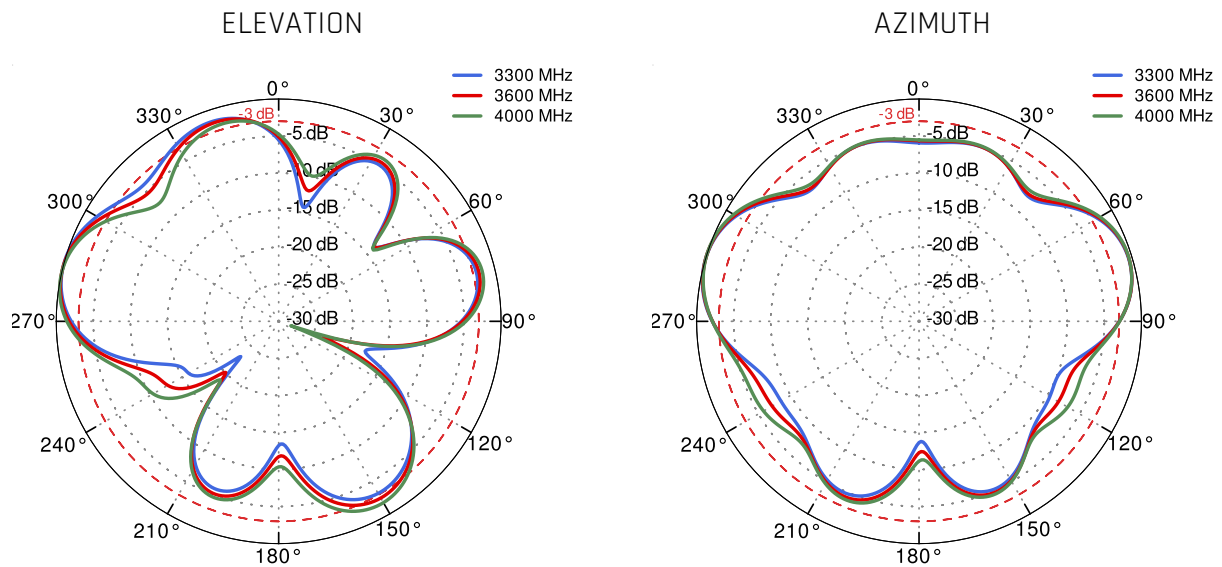
## 5G/LTE from 650MHz to 950MHz



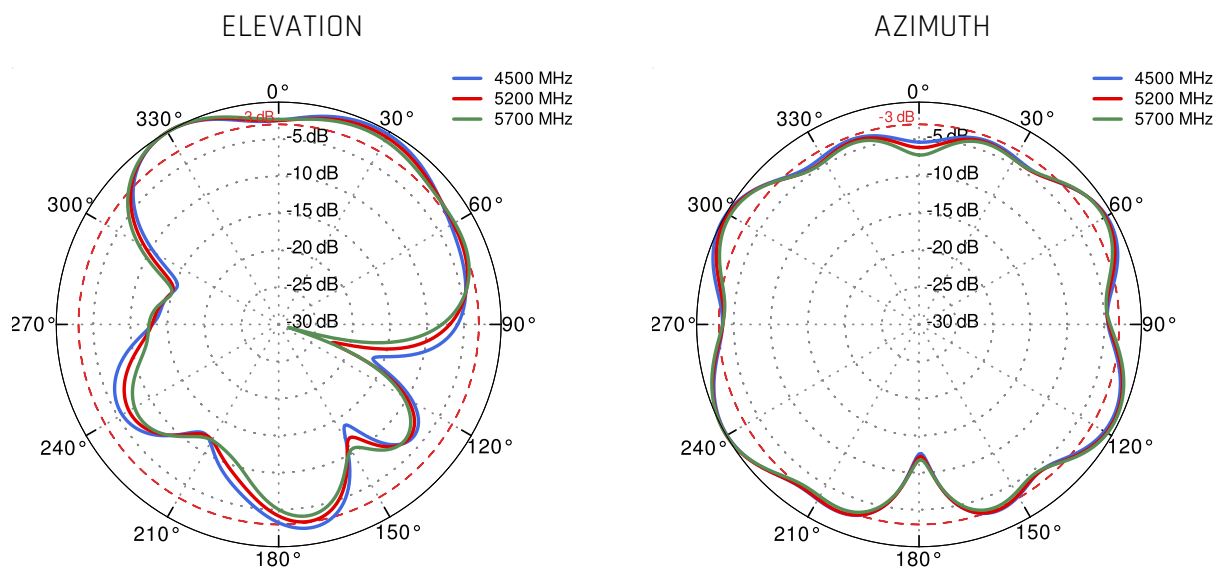
## 5G/LTE from 1.71GHz to 2.5GHz



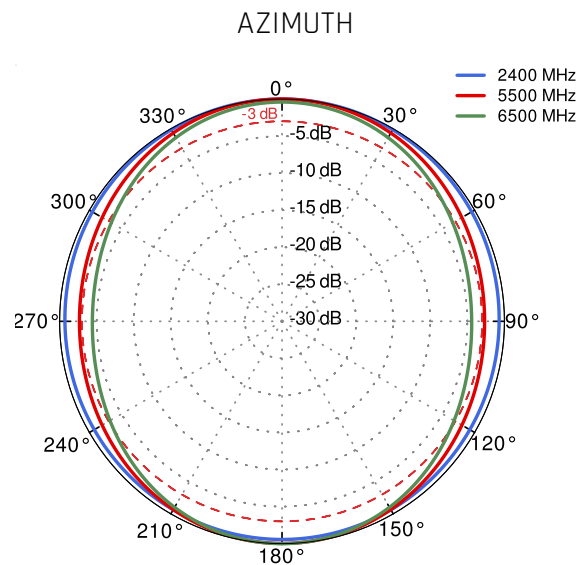
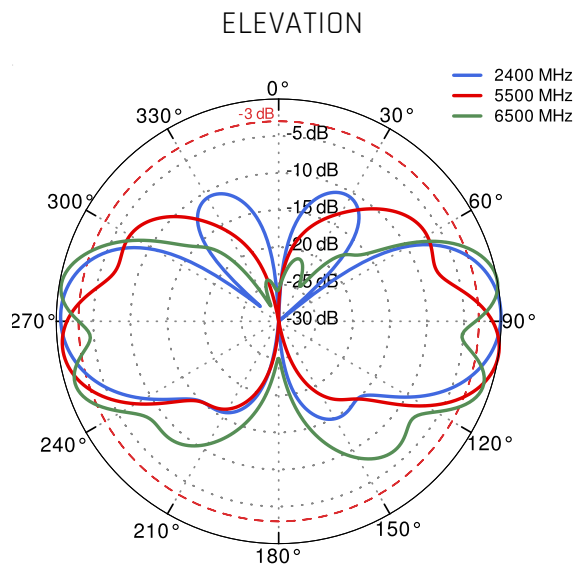
## 5G/LTE from 3.3GHz to 4.0GHz



## 5G/LTE from 4.5GHz to 5.5GHz



## Wi-Fi 2.4GHz and 5GHz



## DIMENSIONS

