

# QuSpot for Teltonika

## RUTC50/RUTC42/RUTC40

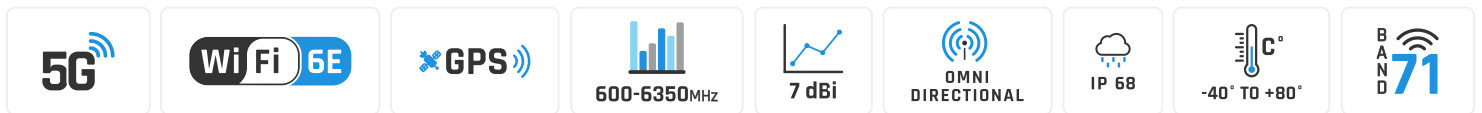
**INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI 6E OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL TELTONIKA RUTC50/RUTC42/RUTC40 (ALL-IN-ONE)**

QuSpot for RUTC50/RUTC42/RUTC40 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 RUTC50 into a single IP67 enclosure. Such integration allows implementation of new outdoor RUTC50 solutions.

QuSpot for RUTC50/RUTC42/RUTC40 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.

Wi-Fi 6E support!

**The RUTC50 only supports passive POE from batch number 7 onwards.**



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



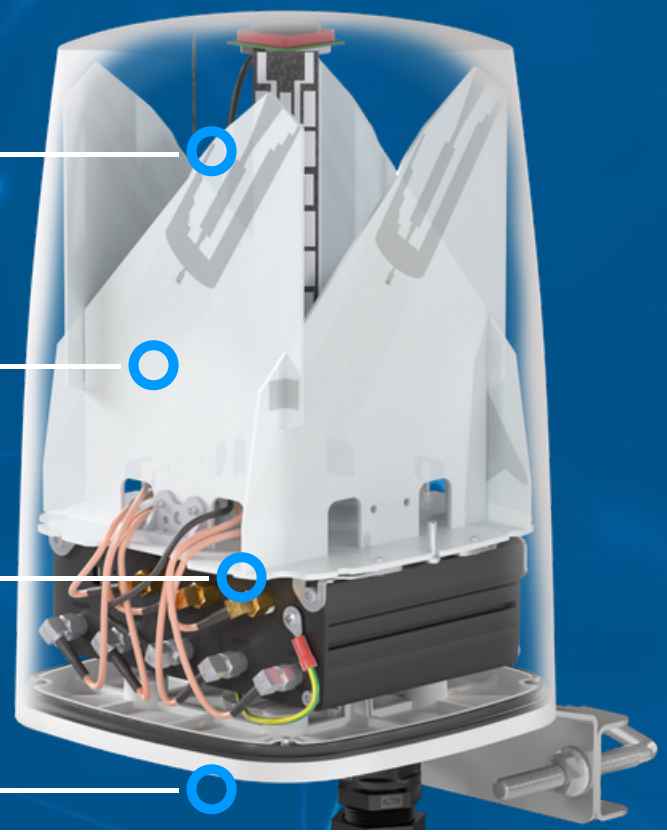
ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



PASSIVE **POE SUPPORT**



MADE IN **EUROPE**



## 5G ANTENNA SPECIFICATION

<b>FREQUENCY</b>	0.6 - 1.4 GHz 1.5 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.35 GHz
<b>MAX. GAIN</b>	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
<b>SUPPORTED LTE BANDS</b>	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
<b>SUPPORTED 5G BANDS</b>	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
<b>VSWR</b>	<2.00, max <3.00
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω
<b>CONNECTOR</b>	4x SMA
<b>CABLE TYPE</b>	RG316

## WI-FI ANTENNA SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 4.7 - 6 GHz
<b>MAX. GAIN</b>	2.4 - 2.5 GHz : 6 dBi 4.7 - 6 GHz : 7.5 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω
<b>CONNECTOR</b>	3x RPSMA
<b>CABLE TYPE</b>	RG316

## GPS ACTIVE ANTENNA SPECIFICATION

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

**CONNECTOR**

1x SMA

**CABLE TYPE**

RG174

## MECHANICAL SPECIFICATION

**MATERIALS**

ABS, aluminum, PTFE

**CONNECTOR TYPE**

RJ45

**INGRESS PROTECTION**

IP68

**DIMENSIONS**160 x 160 x 240 mm  
6.3 x 6.3 x 9.45 inch**WEIGHT**1.5 kg  
3.31 lbs**OPERATING TEMPERATURE**From -40°C to 75°C  
From -40°F to 167°F**ENCLOSURE RECOMMENDED  
TIGHTENING TORQUE**

0.5 - 0.7 Nm

**MAST DIAMETER**25-66 mm  
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
48	49	52	53	65	66	67
68	69	71	85	103	106	

617 MHz      4300 MHz

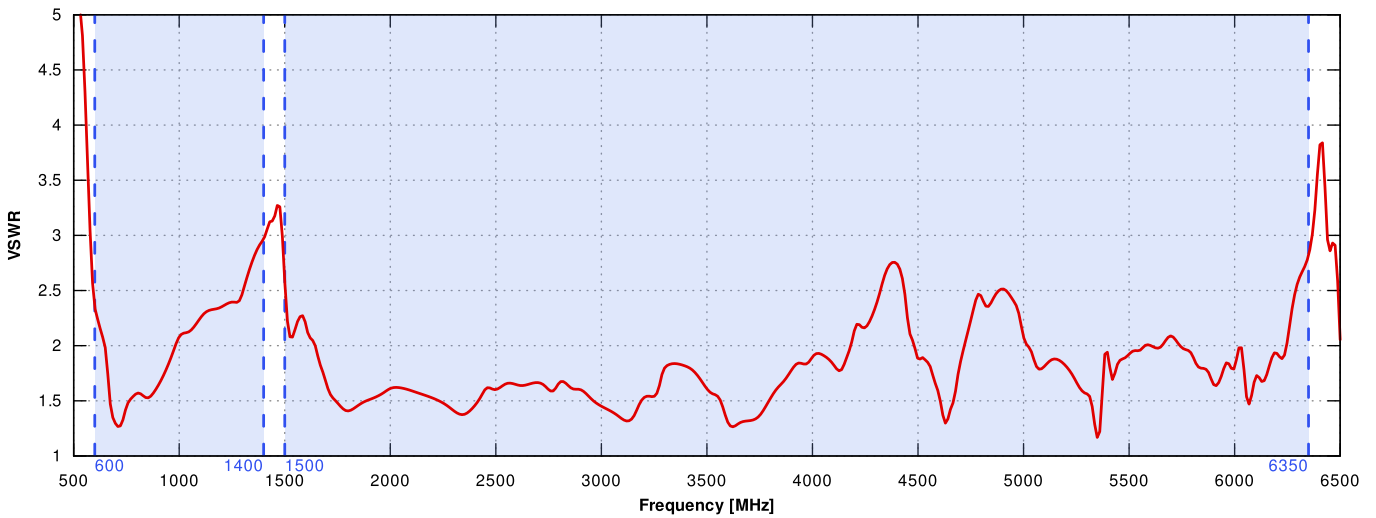
**5G**

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

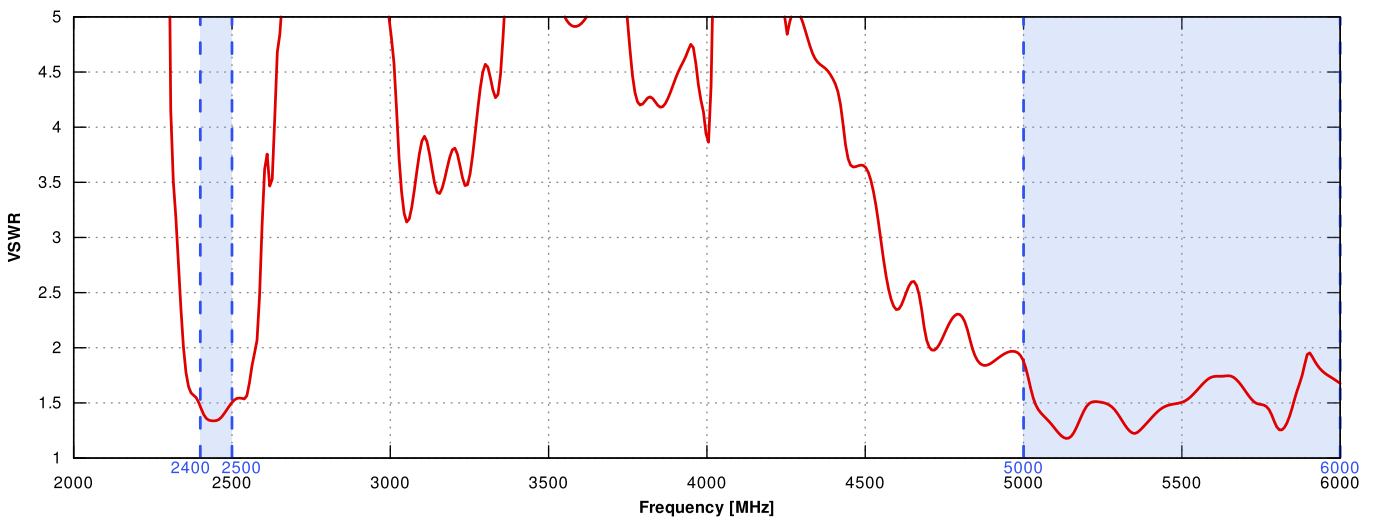
617 MHz      4300 MHz

## **PLOTS**

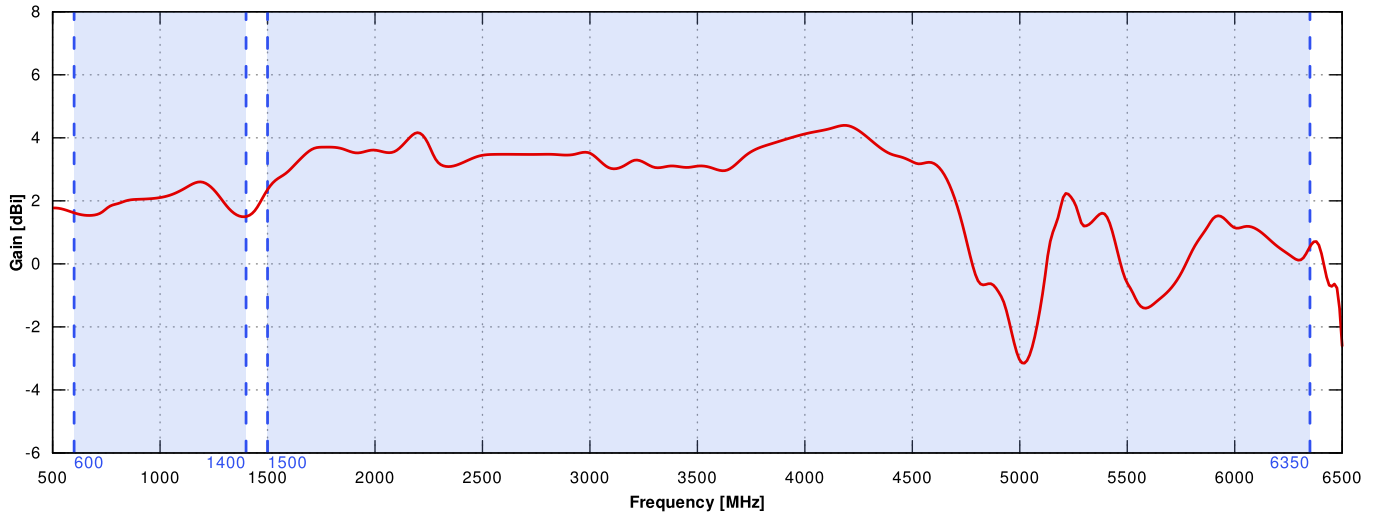
VSWR for 5G/LTE antenna



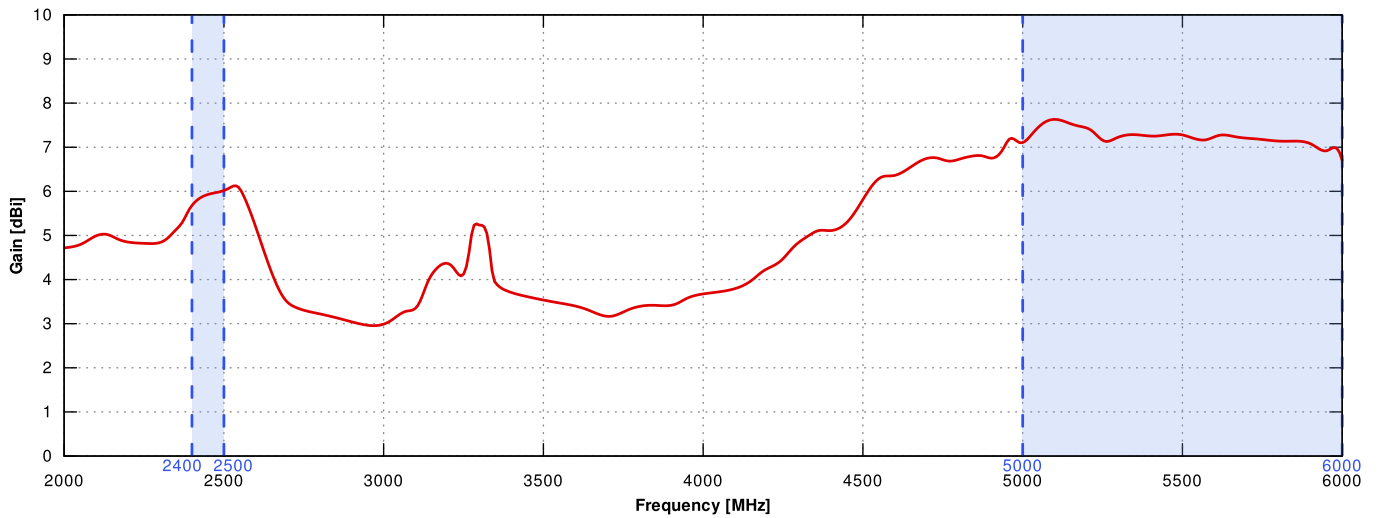
VSWR for Wi-Fi antenna



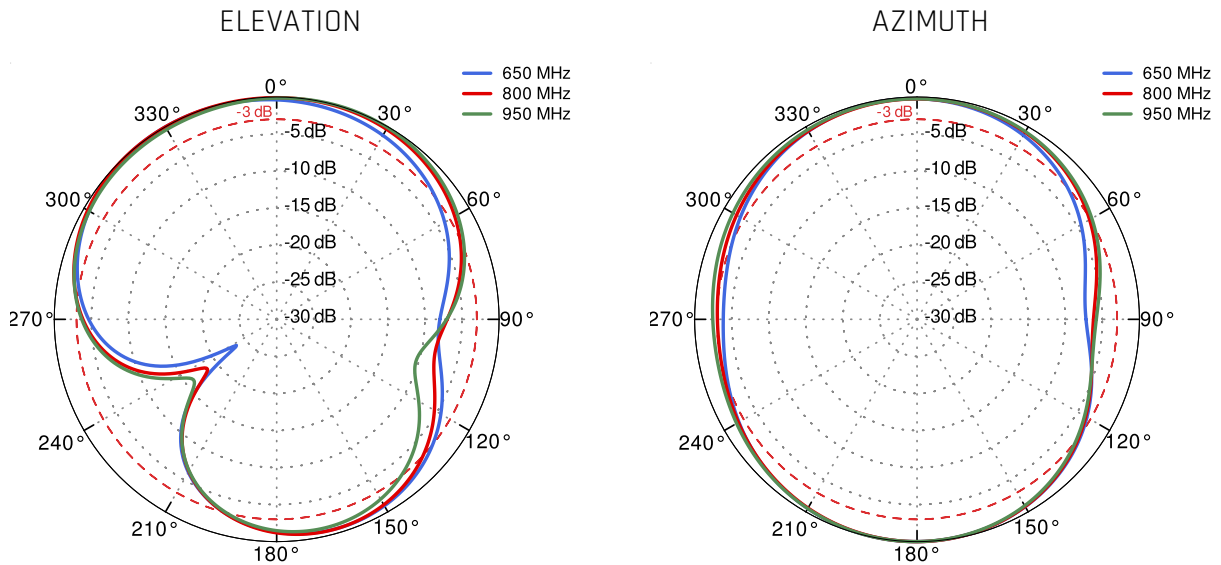
### Gain for 5G/LTE antenna



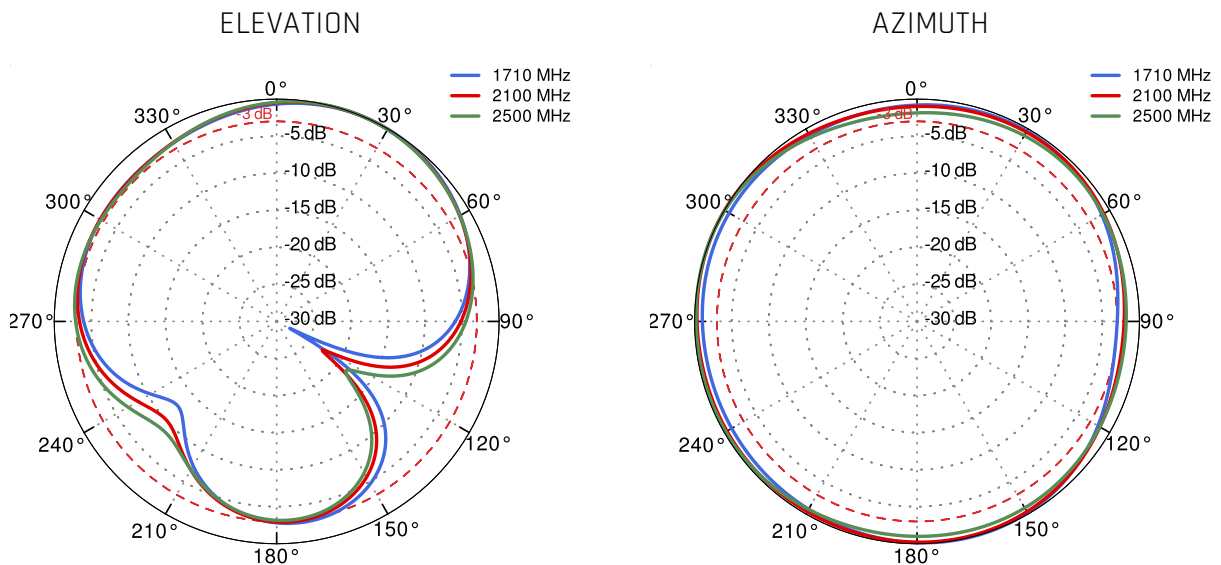
### Gain for Wi-Fi antenna



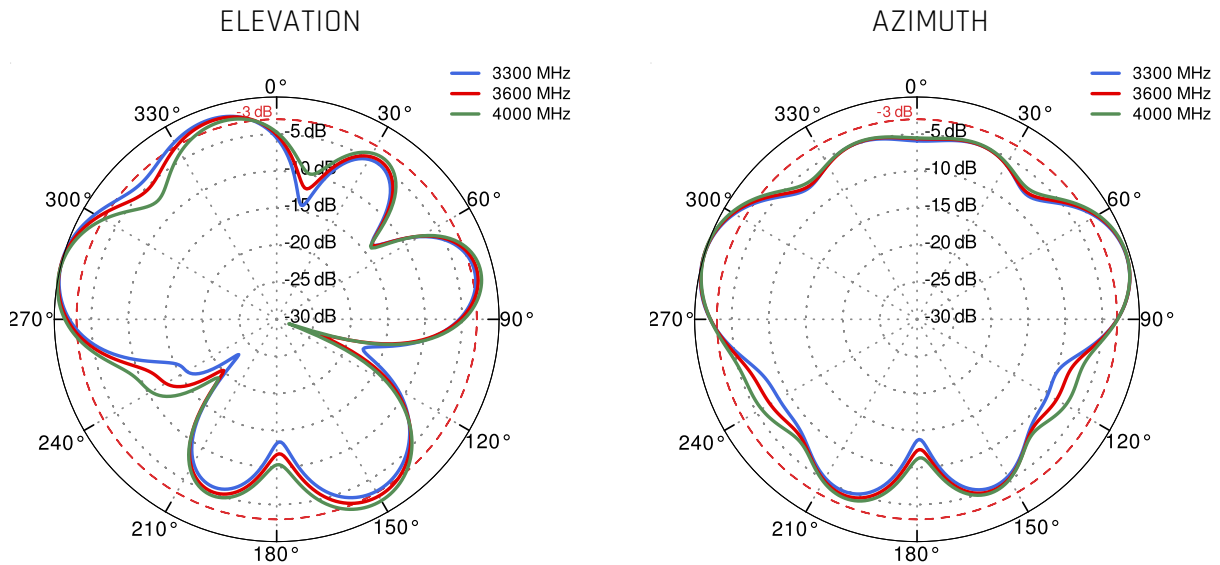
## 5G/LTE from 650MHz to 950MHz



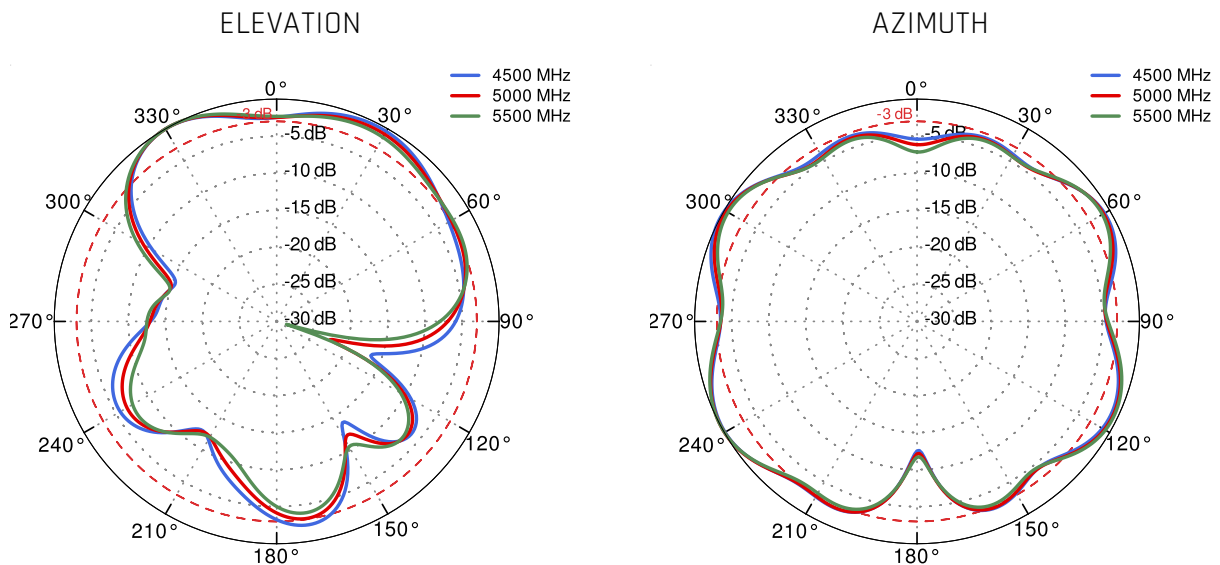
## 5G/LTE from 1.71GHz to 2.5GHz



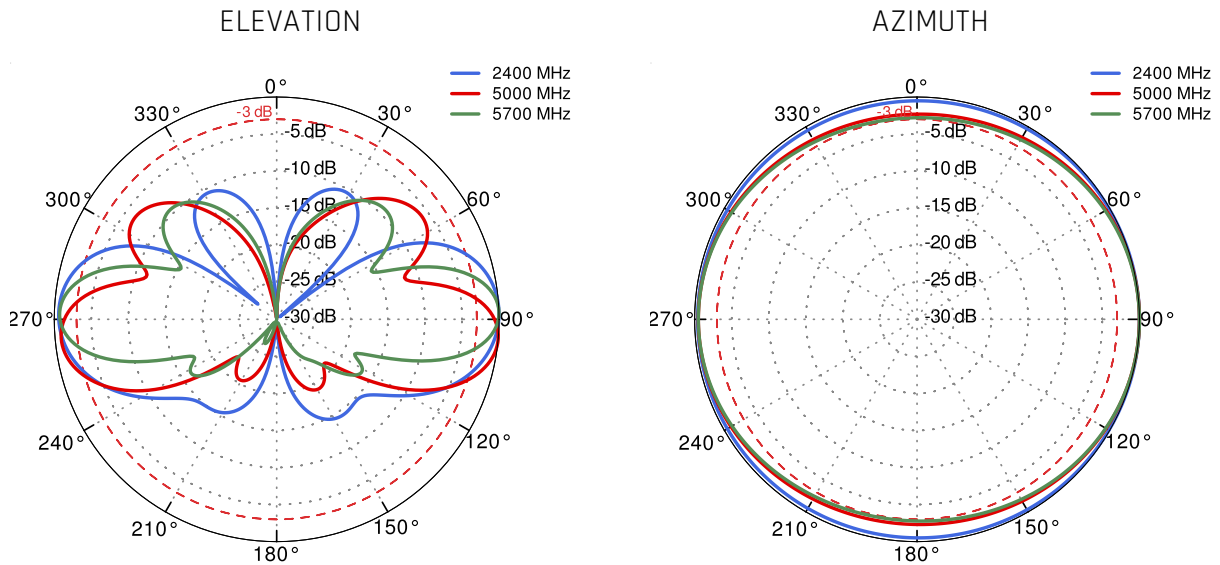
## 5G/LTE from 3.3GHz to 4.0GHz



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



## Wi-Fi 2.4 GHz and 5 GHz



**DIMENSIONS**
