

# Thunder Integrated Omni for Ericsson R920

**INTEGRATED MULTI-BAND 5G OMNI ANTENNA + WIFI OMNI ANTENNA + BLUETOOTH ANTENNA + GPS ANTENNA +  
PLACE TO INSTALL ERICSSON R920 (ALL-IN-ONE)**

Thunder Integrated Omni all-in-one antenna for Ericsson R920 router is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni 2\*5G, 2\*Wi-Fi, Bluetooth and GPS antenna. If you use R920 with Thunder Integrated Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

Wi-Fi 6E support!

**5G**  
**694-6000MHz**  
**7 dBi****Wi Fi 6E** **GPS**  
**BLUETOOTH**  
**OMNI  
DIRECTIONAL**  
**IP 67**  
**-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67



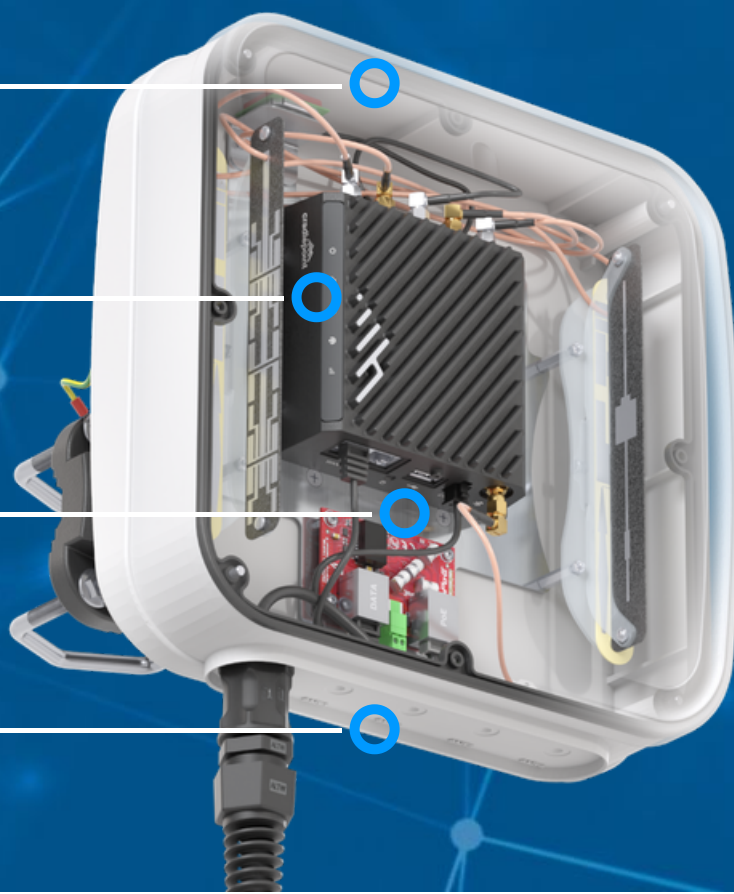
ANTENNA PERFECTLY MATCHED WITH  
THE ERICSSON R920



ALL ANTENNAS AND CRADLEPOINT  
ROUTER INTEGRATED IN ONE  
ENCLOSURE



MADE IN **EUROPE**



## 5G / LTE SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 : 2.5dBi
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, 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, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$
CONNECTOR	2x SMA
CABLE TYPE	RG316

## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
GAIN	2.4 - 2.5 GHz: 6 dBi 5.0 - 6.0 GHz: 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$
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 $\Omega$
POLARIZATION	RHCP (right hand circularly polarized)

**CONNECTOR**

1x SMA

**CABLE TYPE**

RG174

 **MECHANICAL SPECIFICATION****MATERIAL**

BS, aluminum, PTFE, Fiberglass

**INGRESS PROTECTION**

IP67

**CONNECTOR TYPE**

RJ45

**DIMENSIONS**272 x 276 x 96 mm  
10.71 x 10.87 x 3.78 inch**WEIGHT**1.8 kg  
3.97 lbs**OPERATING TEMPERATURE**From -40°C to 75°C  
From -40°F to 167°F **MOUNTING KIT****DIMENSIONS**9.9 x 10.5 x 14.8 cm  
3.9 x 4.13 x 5.83 inch**REGULATION RANGE**

+/- 30°

**MAST DIAMETER RANGE**25 - 66mm  
0.98-2.60 inch**MATERIAL**

Polyamide with fiberglass + galvanized steel U-Bolts

**WEIGHT**

0.87kg

**MOUNTING PLACE**

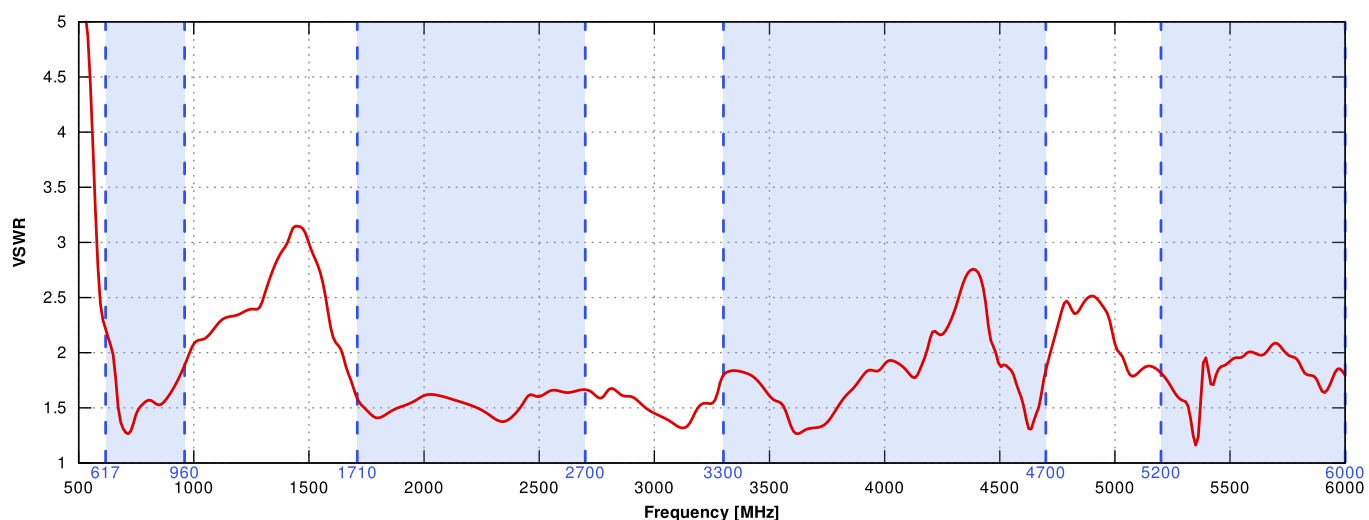
Wall or mast or ceiling

## COMPATIBLE ROUTERS

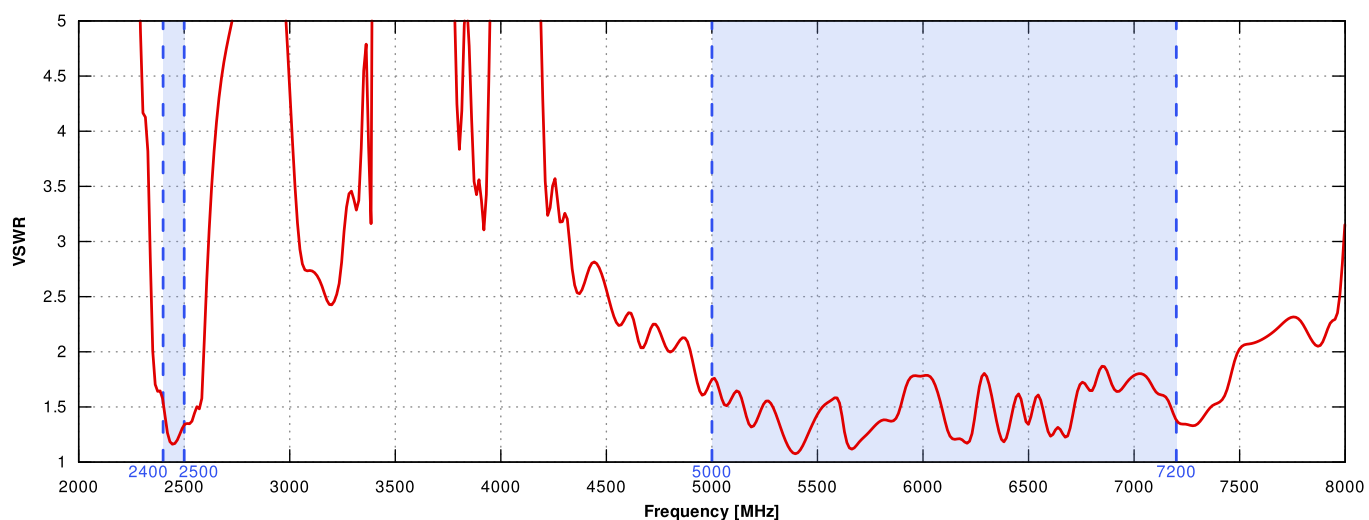
VARIANT: ACP920MO

## PLOTS

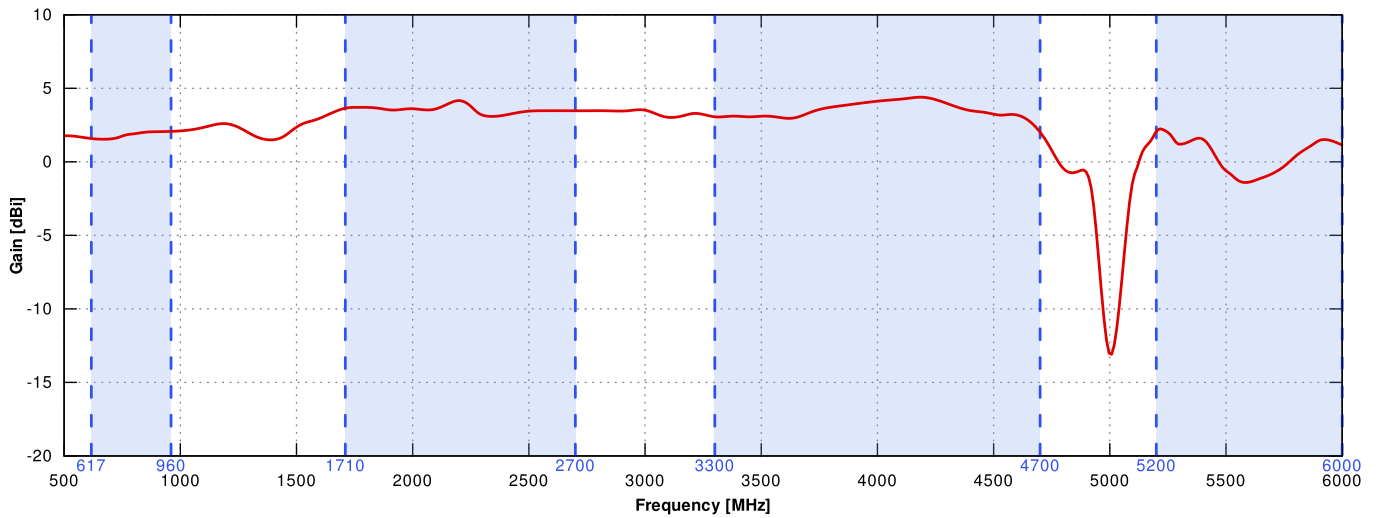
5G/LTE VSWR



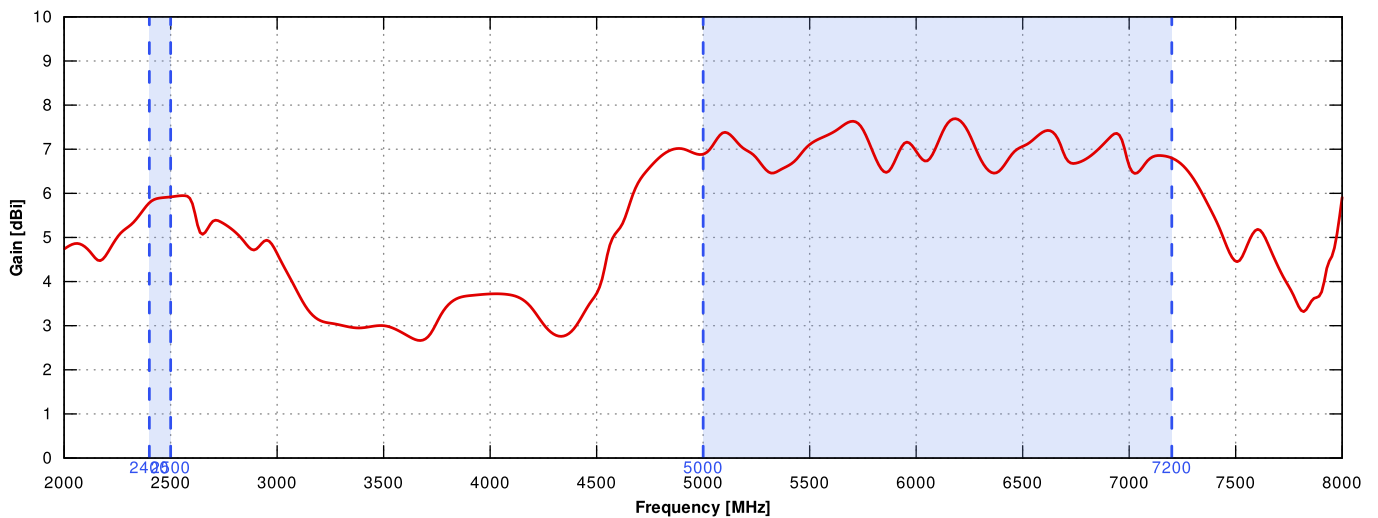
WI-FI VSWR



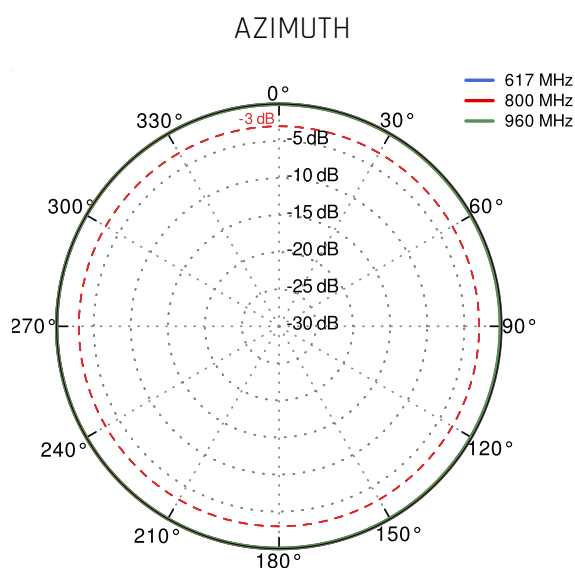
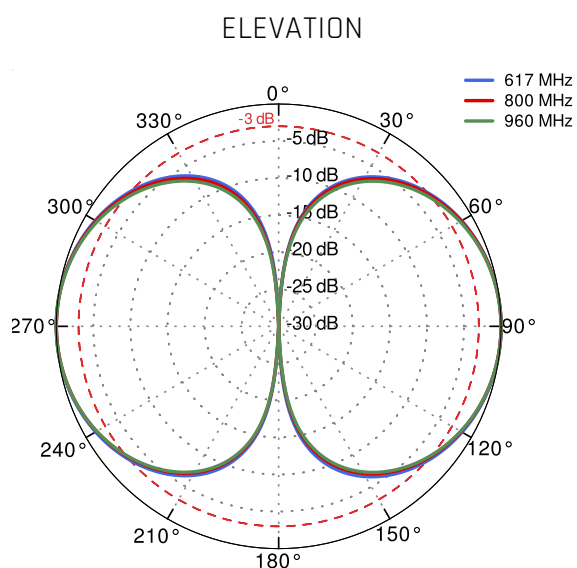
## 5G/LTE Gain



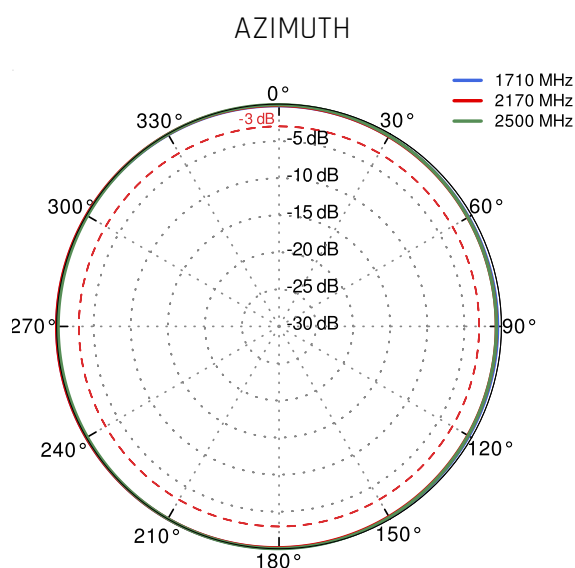
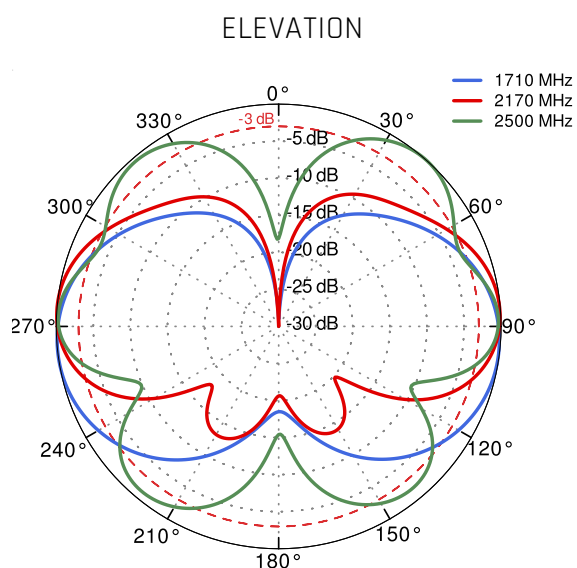
## Wi-Fi Gain



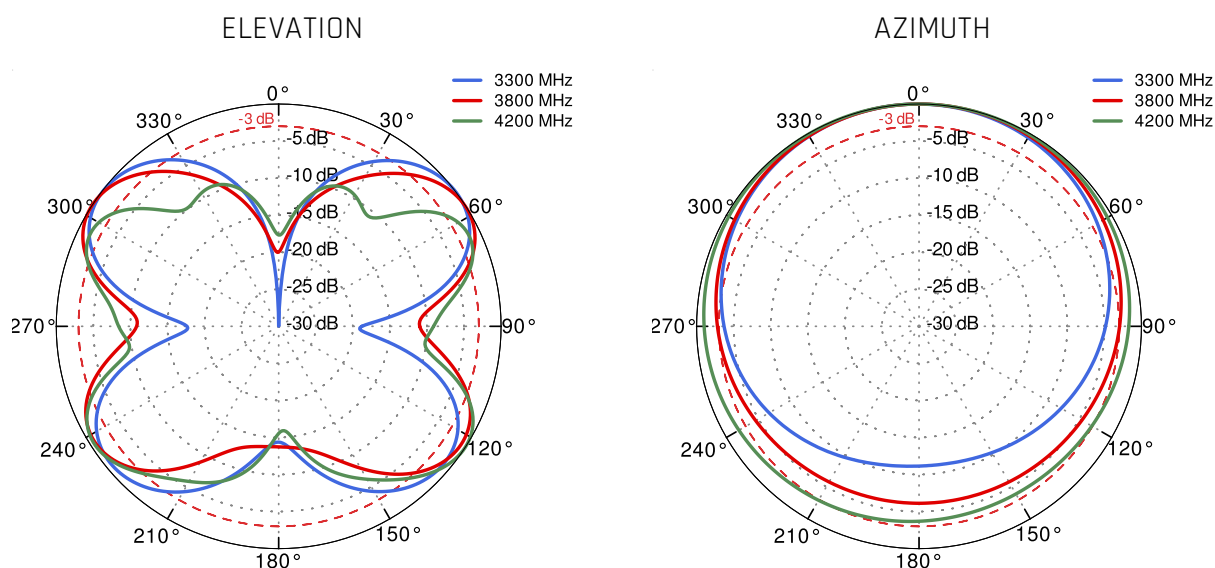
## 5G/LTE from 617MHz to 950MHz



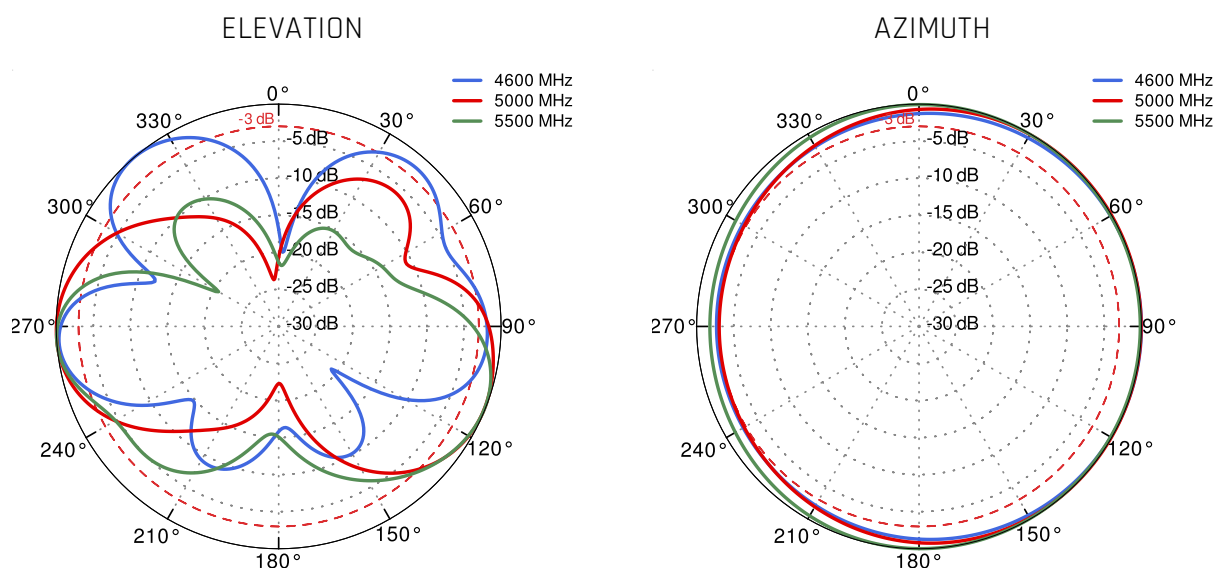
## 5G/LTE from 1.71GHz to 2.5GHz



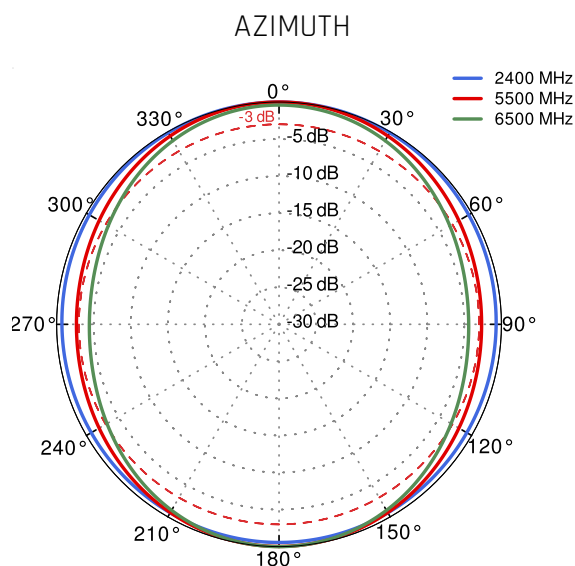
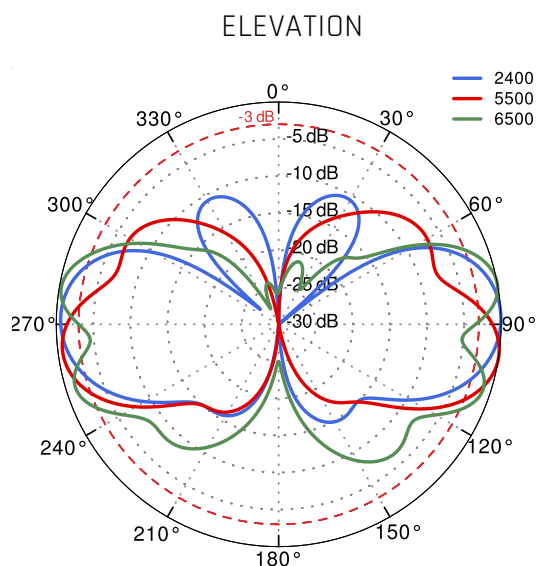
## 5G/LTE from 3.3GHz to 4.2GHz



## 5G/LTE from 4.6GHz to 5.5GHz



Wi-Fi 2.4GHz and 5GHz and 6GHz



## DIMENSIONS

