

# QuWave R1900 Connectivity Box


**INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + BLUETOOTH ANTENNA + PLACE TO INSTALL ERICSSON R1900 ROUTER (ALL-IN-ONE)**

The **Outdoor 5G Connectivity Box** is a compact, deployment-ready solution. Based on QuWireless antenna technology, it delivers **high-performance connectivity** with **4x4 MIMO 5G, 2x2 MIMO Wi-Fi, Bluetooth and integrated GPS**. The all-in-one design integrates an **Ericsson R1900** router, **internal AC/DC power supply**, and **two PoE++ injectors** (IEEE 802.3bt, each providing up to 95W). Housed in a rugged IP67-rated enclosure, it ensures reliable operation in harsh environmental conditions while reducing installation complexity and deployment time.



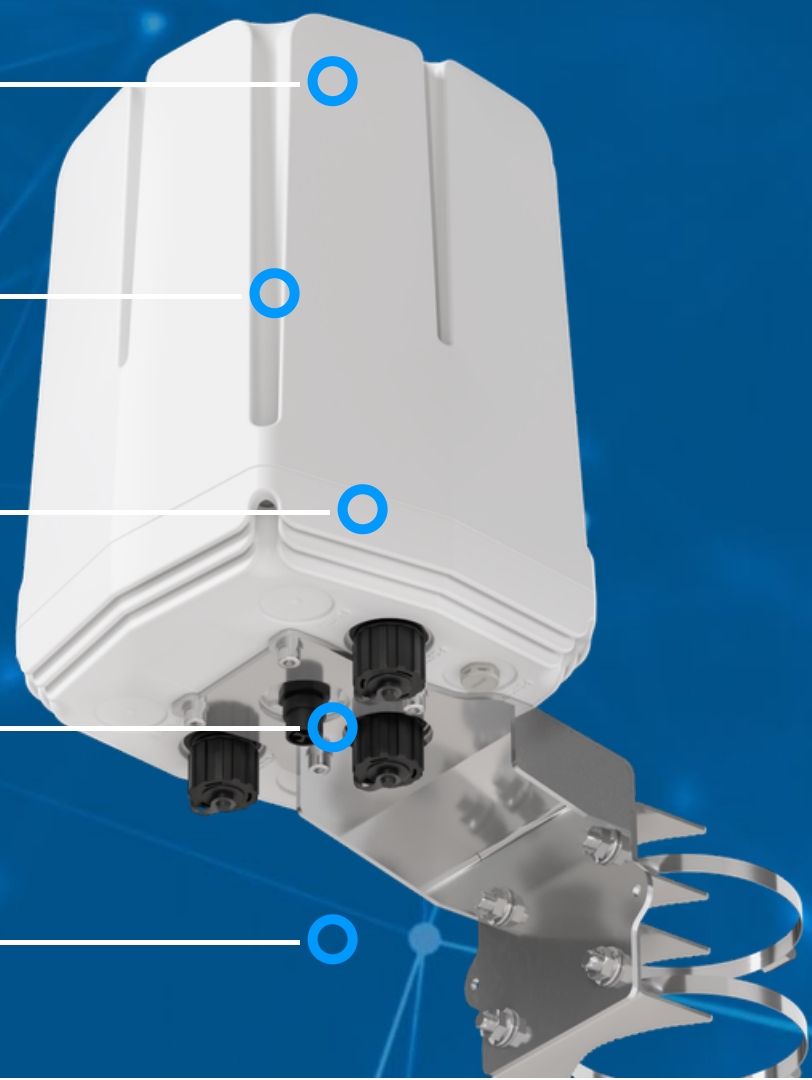
 **OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67**

 **ANTENNA PERFECTLY MATCHED WITH THE ERICSSON ROUTER**

 **ALL ANTENNAS AND ERICSSON ROUTER INTEGRATED IN ONE ENCLOSURE**

 **GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET**

 **MADE IN EUROPE**



## 5G/LTE SPECIFICATION

<b>FREQUENCY</b>	0.58 - 2.0 GHz 2.0 - 3.5 GHz 3.5 - 5.0 GHz 5.0 - 6.35 GHz
<b>MAX. GAIN</b>	0.58 - 2.0 GHz : 2 dBi 2.0 - 3.5 GHz : 3.2 dBi 3.5 - 5.0 GHz : 3.1 dBi 5.0 - 6.35 GHz : 3.8 dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 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, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
<b>VSWR</b>	<2.50, max <3.00
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## **WI-FI / BT SPECIFICATION**

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5 - 7.2 GHz
<b>MAX. GAIN</b>	2.4 - 2.5 GHz: 2dBi 5 - 7.2 GHz: 4dBi
<b>VSWR</b>	< 2.50
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>MAX INPUT POWER</b>	50W
<b>DC GROUND</b>	Yes

## **MECHANICAL SPECIFICATION**

<b>MATERIAL</b>	ASA
<b>OUTER DIMENSIONS</b>	210 x 210 x 300 mm 8.27 x 8.27 x 11.81 inch
<b>OPERATING TEMPERATURE</b>	-40°C to +55°C ambient -40°F to +131°F ambient

## MOUNTING KIT

**MATERIAL**

Galvanized steel

**WEIGHT**

1.3kg

**MOUNTING PLACE**

Wall or mast

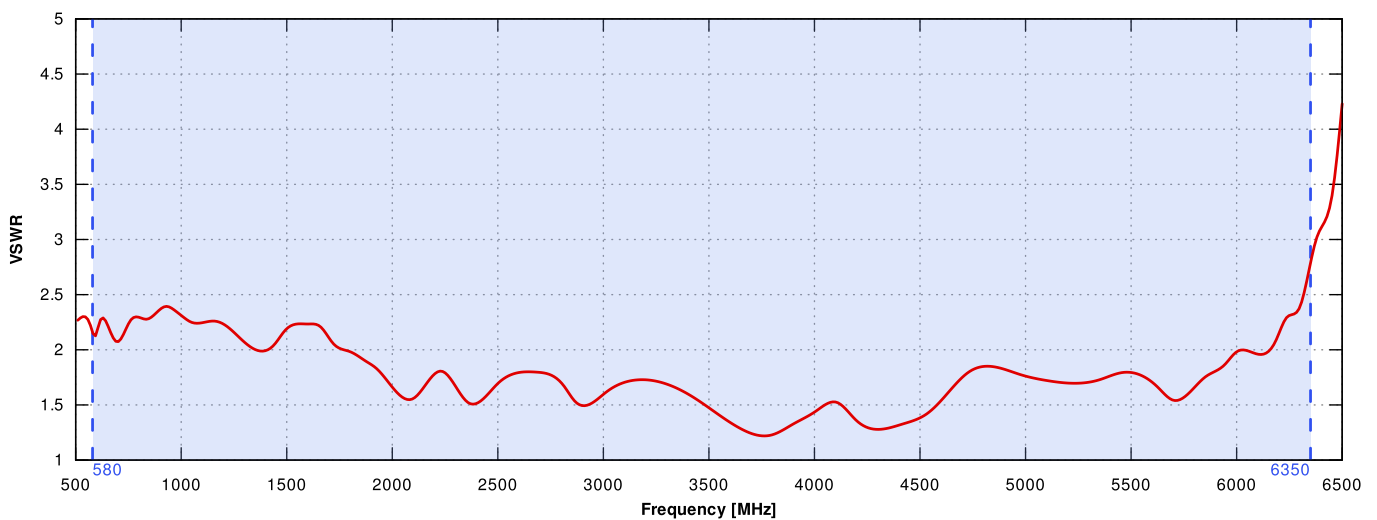
**MAST DIAMETER**50-150 mm  
1.96-5.90 inch

## COMPATIBLE ROUTERS

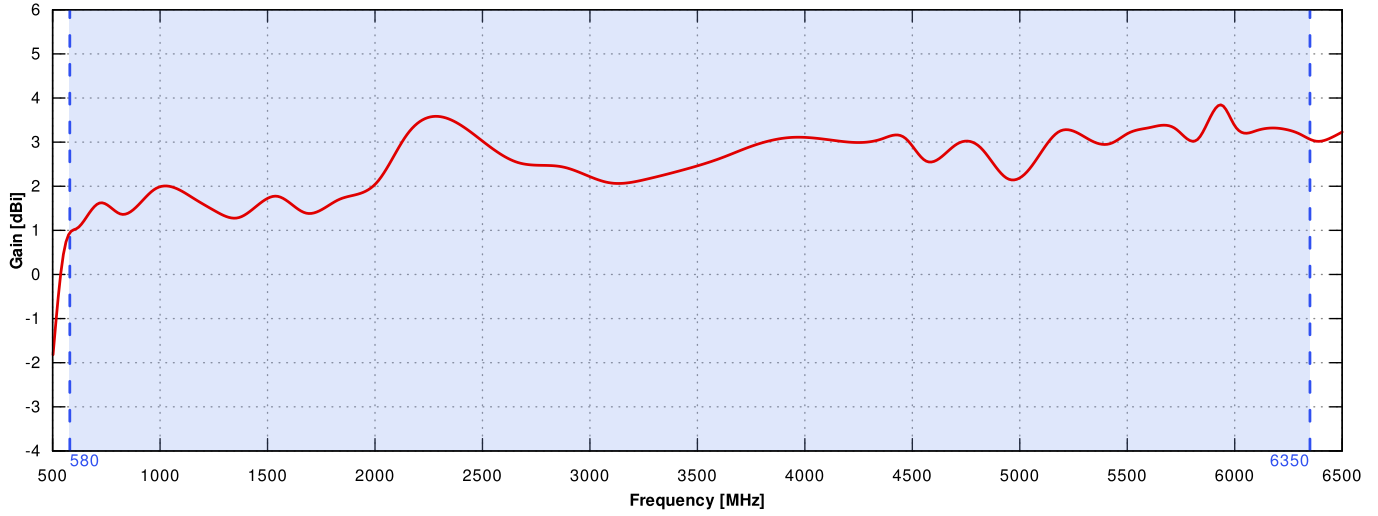
VARIANT: AER1900W\_DD

## PLOTS

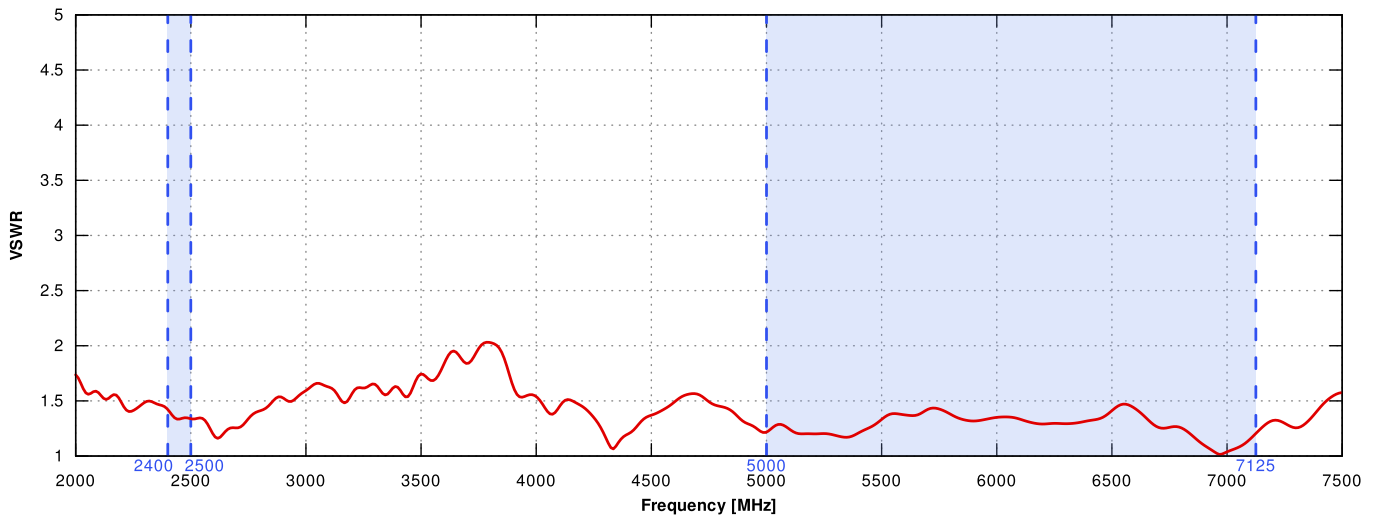
5G/LTE VSWR



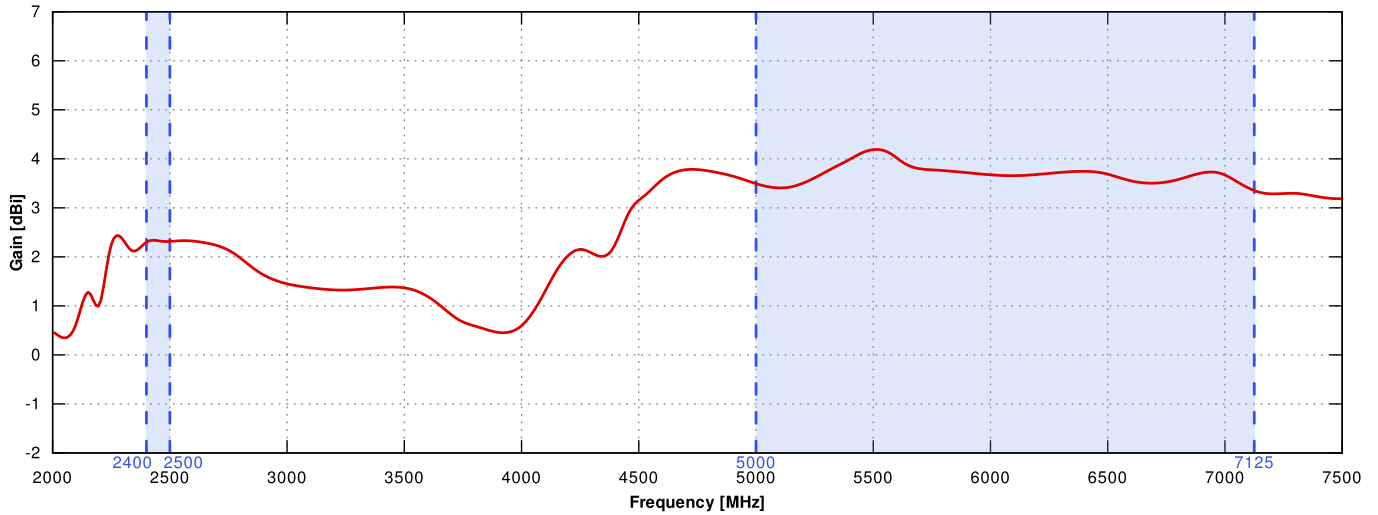
### 5G/LTE GAIN



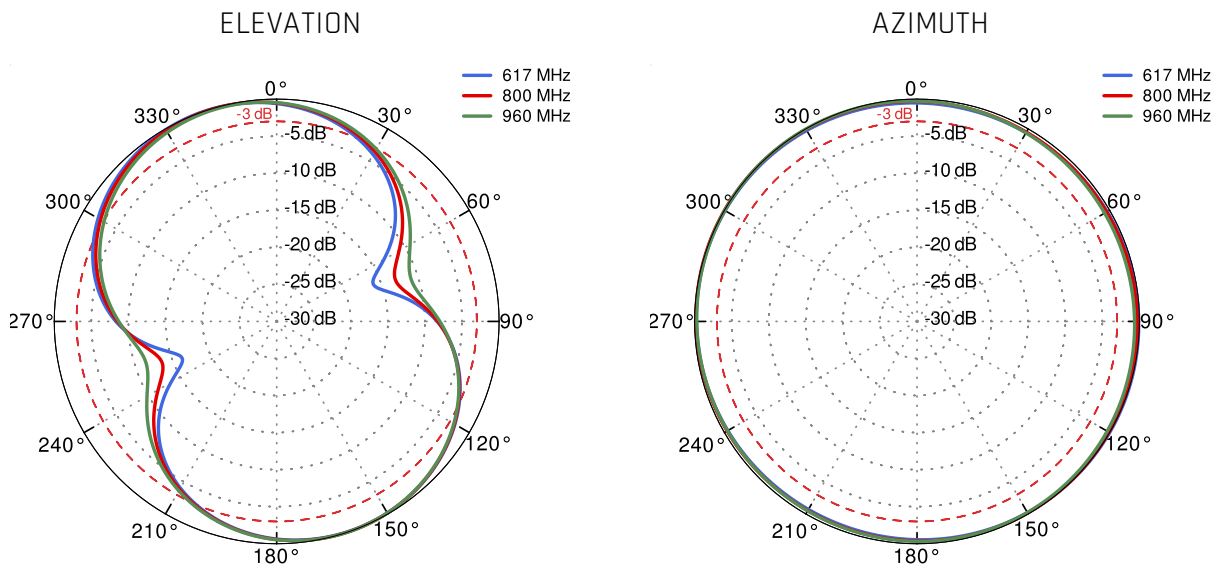
### WiFi - V VSWR

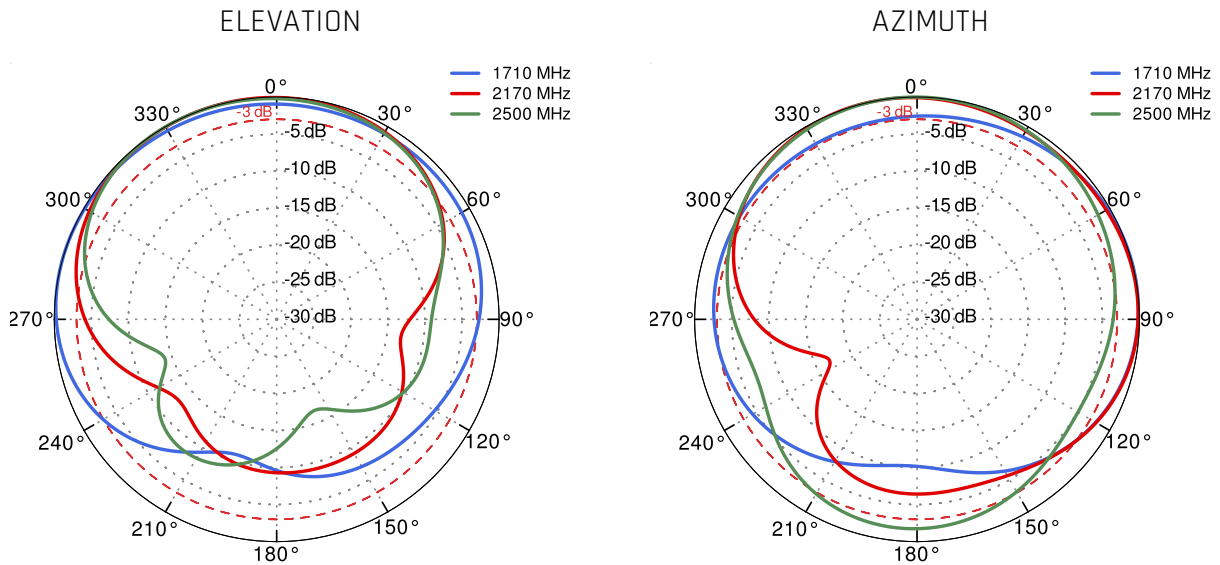
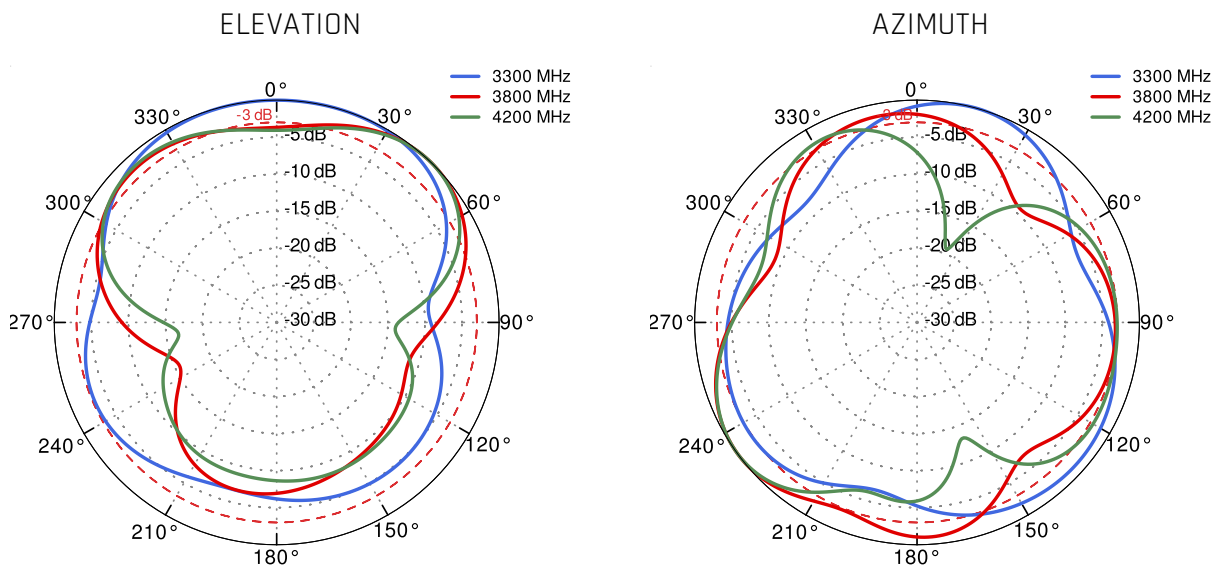


## WiFi - V GAIN

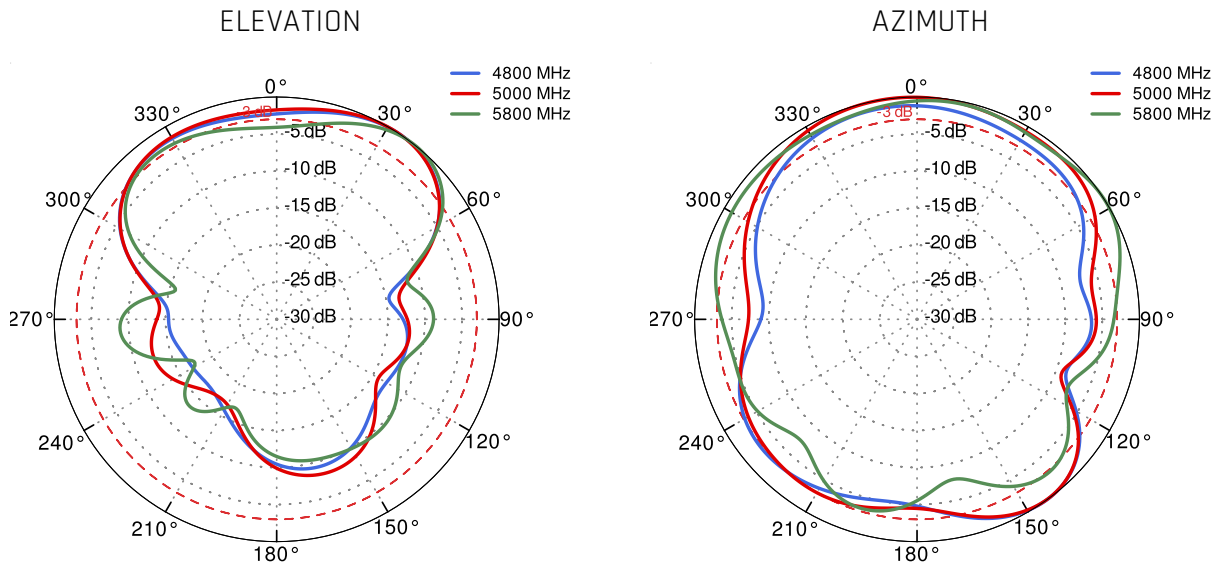


## 5G/LTE from 617MHz to 960MHz

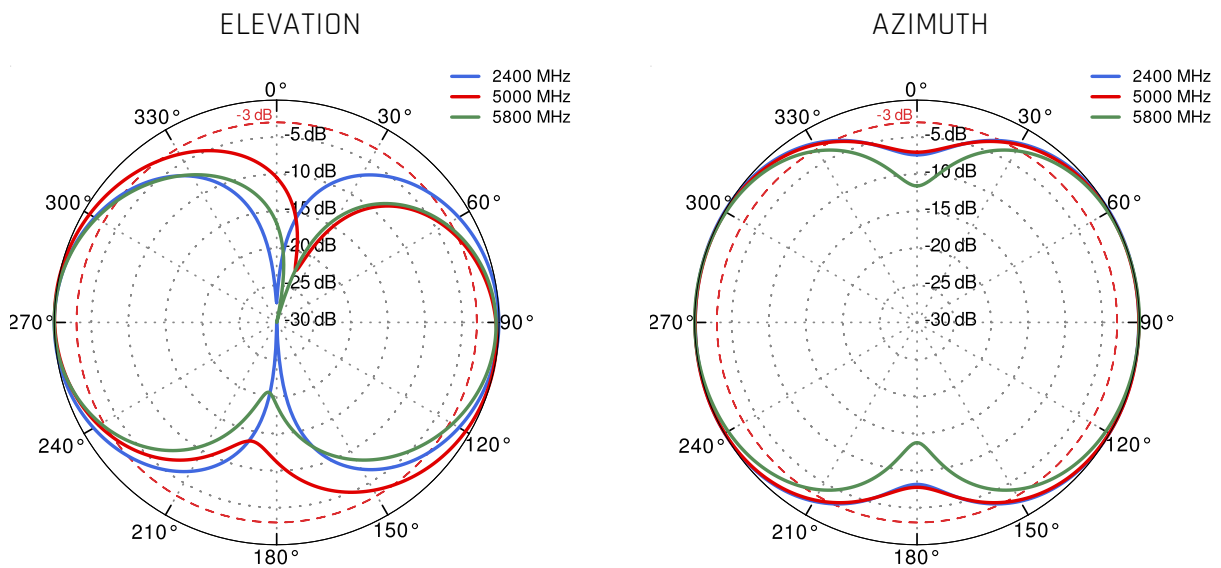


**5G/LTE from 1.71GHz to 2.5GHz**

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


5G/LTE from 4.8GHz to 5.8GHz



Wi-Fi V From 2.4 GHz to 6.5 GHz



## **DIMENSIONS**

