

# QuWave Lite for DIGI IX25 2x2

**INTEGRATED MULTI-BAND 5G/LTE OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL DIGI IX25 (ALL-IN-ONE)**

QuWave Lite 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 MIMO 2x2 5G/LTE, Wi-Fi and GPS antennas with DIGI IX25 into a single IP67 enclosure. Such integration allows implementation of new outdoor 5G/LTE solutions.

QuWave Lite for DIGI IX25 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



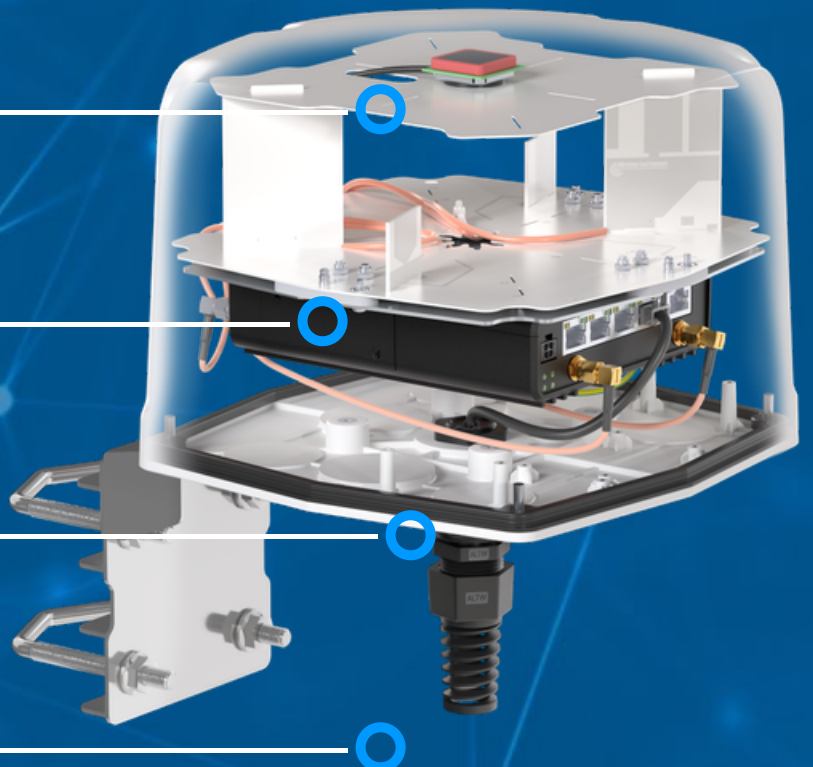
ANTENNA PERFECTLY MATCHED WITH THE DIGI IX25



GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET



MADE IN EUROPE



## 5G / LTE ANTENNA 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
<b>CONNECTOR</b>	2x SMA
<b>CABLE TYPE</b>	RG316

## **WI-FI ANTENNA SPECIFICATION**

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.0 - 7.2 GHz
<b>MAX. GAIN</b>	2.4 - 2.5 GHz: 2dBi 5.0 - 7.2 GHz: 4dBi
<b>VSWR</b>	< 2.50
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>CONNECTOR</b>	2x 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 - 6.5 mA
<b>IMPEDANCE</b>	50 $\Omega$
<b>POLARIZATION</b>	RHCP (right hand circularly polarized)

**CONNECTOR**

1x SMA

**CABLE TYPE**

RG174

 **MECHANICAL SPECIFICATION****MATERIALS**

ABS, aluminum, PTFE

**CONNECTOR TYPE**

1x QuRJ45

**OUTER DIMENSIONS**210 x 210 x 165 mm  
8.27 x 8.27 x 6.49 inch**INGRESS PROTECTION**

IP67

**OPERATING TEMPERATURE**From -40°C to 80°C  
From -40°F to 176°F**MAST DIAMETER**25-66 mm  
0.98-2.60 inch**ENCLOSURE RECOMMENDED  
TIGHTENING TORQUE**

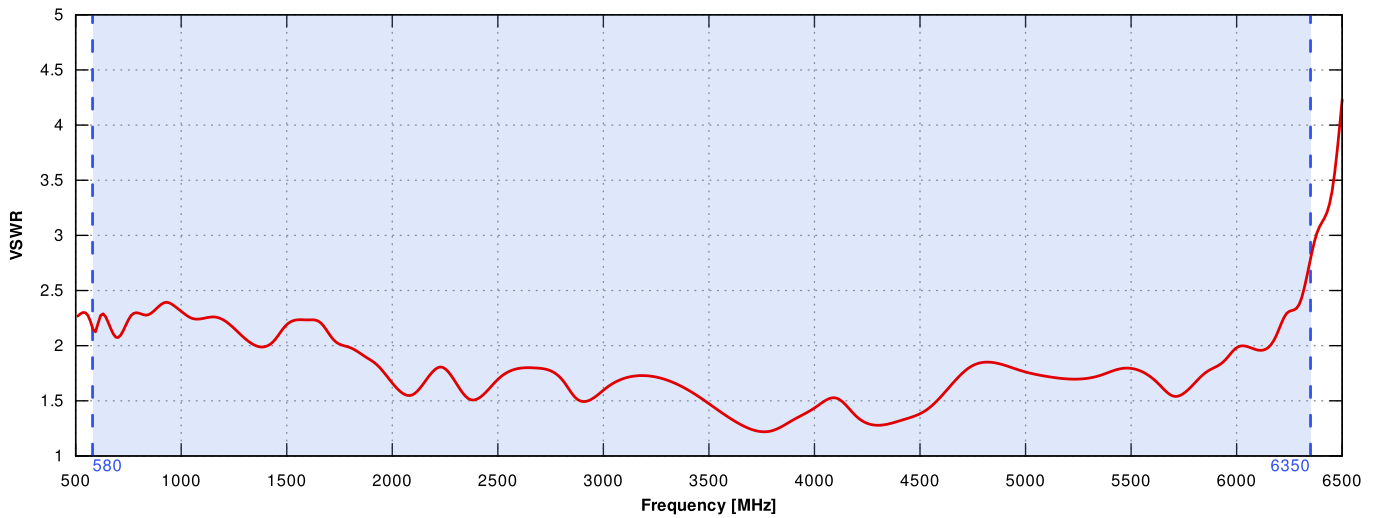
0.5 - 0.7 Nm

 **COMPATIBLE ROUTERS**

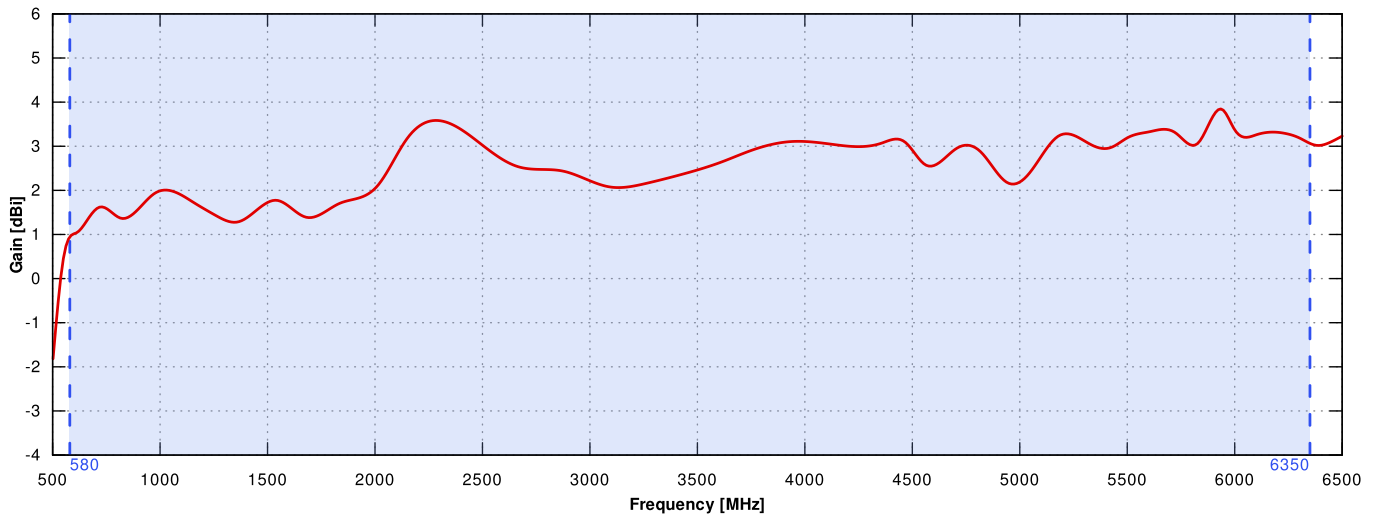
VARIANT: C\_ADIX25WS\_2X2

# PLOTS

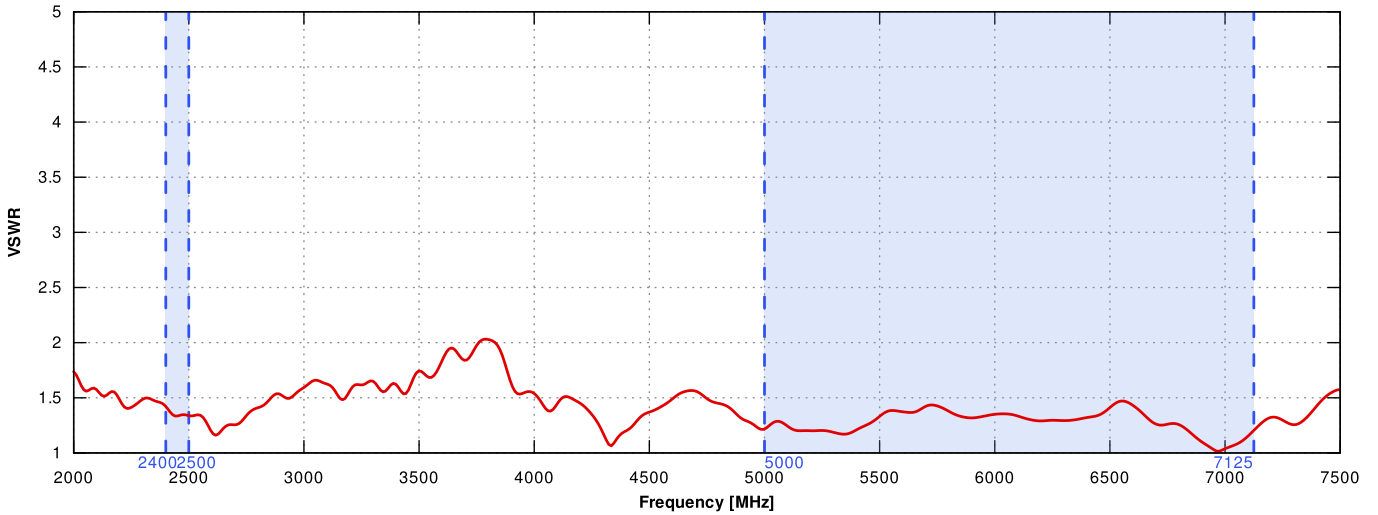
## 5G/LTE VSWR



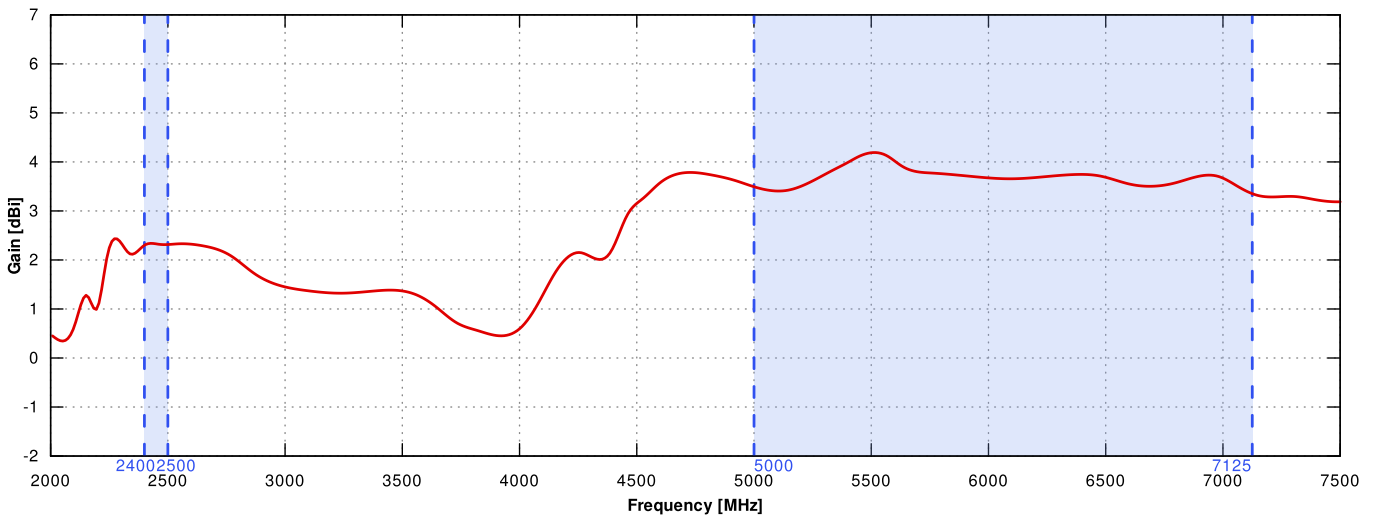
## 5G/LTE Gain



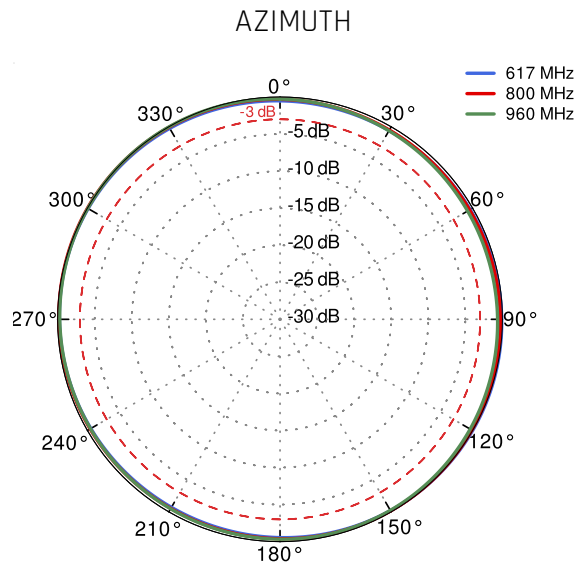
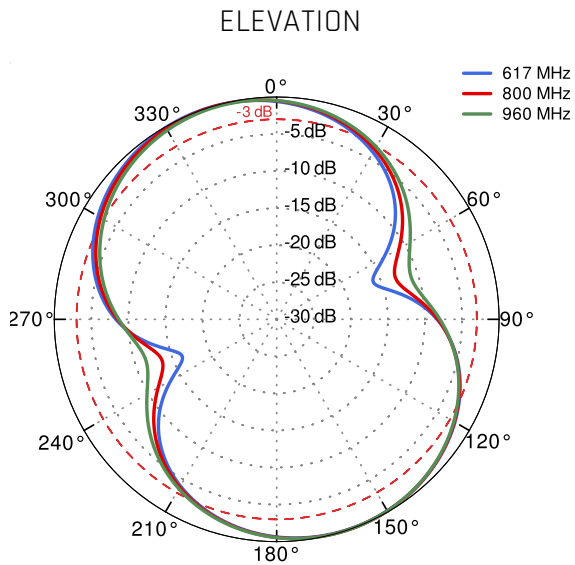
### WI-FI VSWR



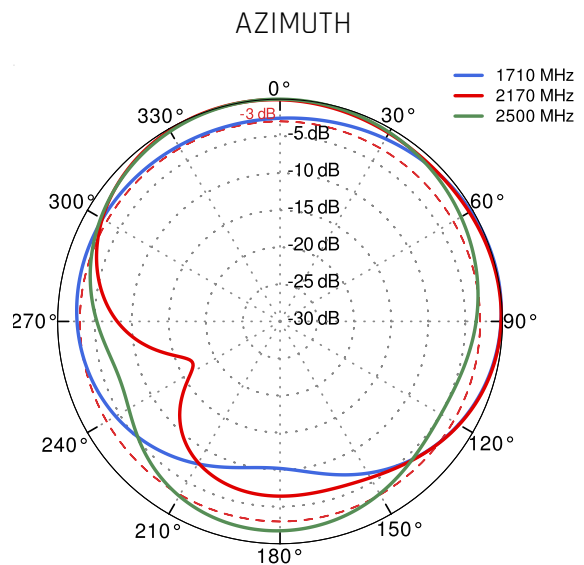
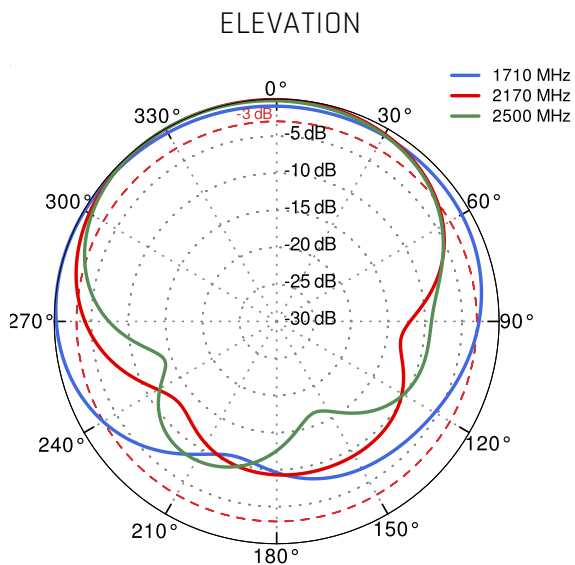
### WI-FI Gain



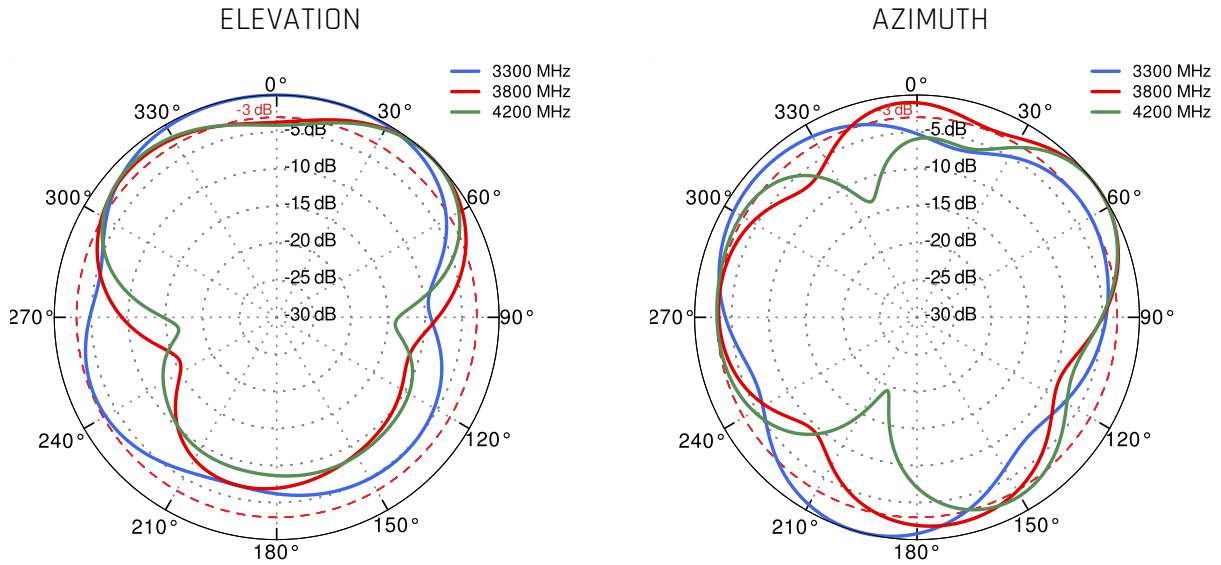
### 5G/LTE From 617MHz to 960MHz



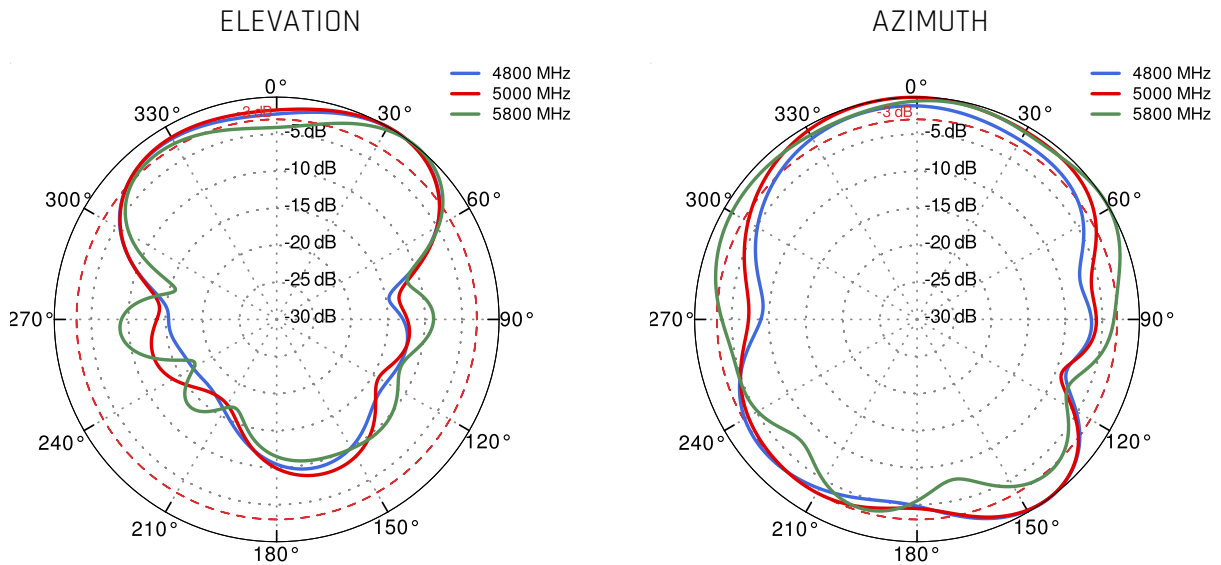
### 5G/LTE From 1.71GHz to 2.5GHz



5G/LTE From 3.3GHz to 4.2GHz



5G/LTE From 4.8GHz to 5.8GHz



Wi-Fi From 2.4 GHz to 5.8 GHz

