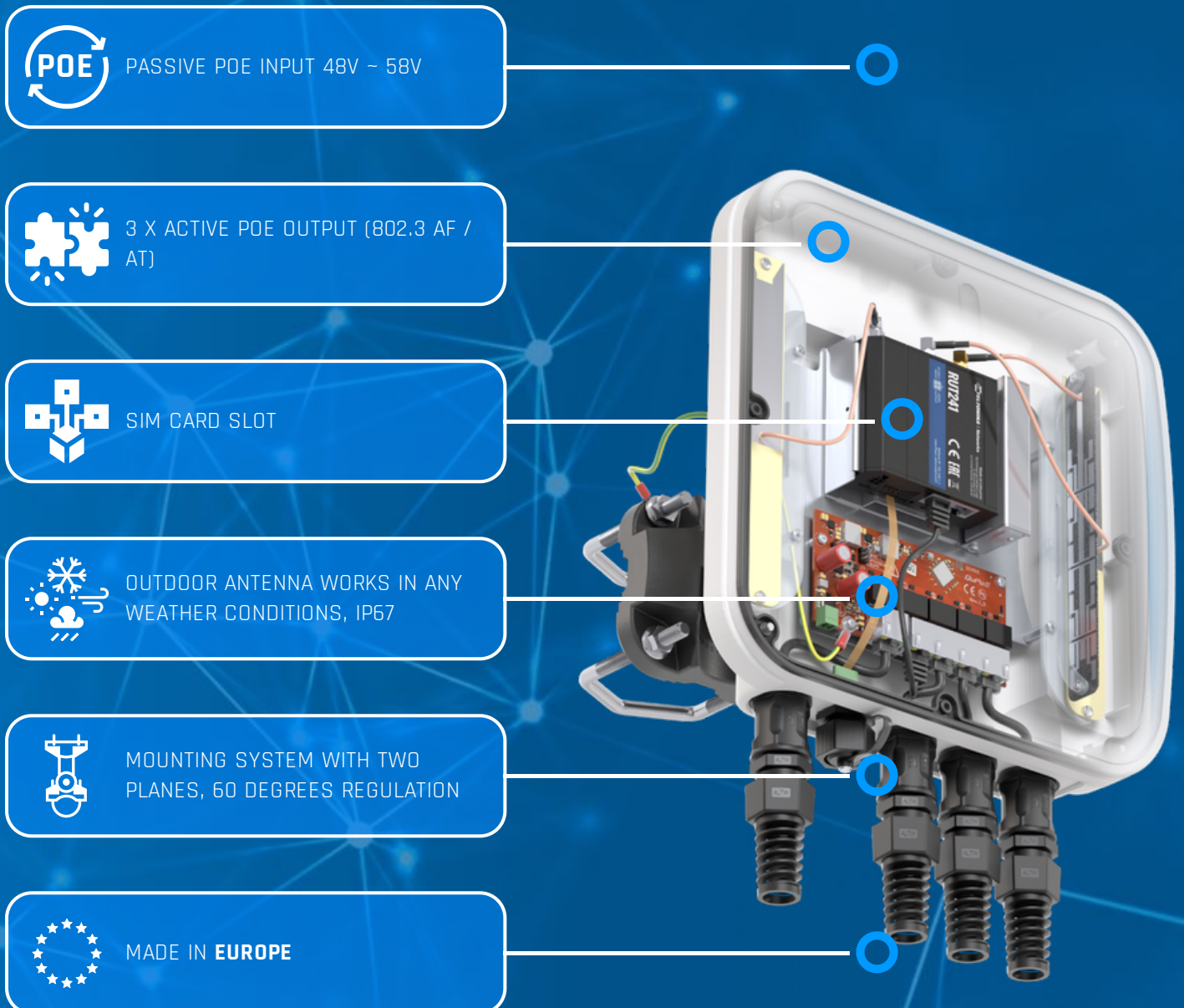


# QuCam for 4G/5G Routers

**Outdoor CCTV LTE PoE gateway Global with embedded LTE router & PoE switch for CCTV cameras.**

QuCam for 4G/5G Routers is a powerful outdoor industrial gateway for professional CCTV application with embedded PoE switch for up to 3x CCTV cameras and place to install Teltonika or any other routers inside (not included in gateway set), QuCam for 4G/5G Routers also has integrated omnidirectional LTE and Wi-Fi antennas. The mobile router delivers high performance for mission-critical cellular communication in harsh and hazardous environments where a wide operating temperature is required. Equipped with an external SIM holder.



PASSIVE POE INPUT 48V ~ 58V



3 X ACTIVE POE OUTPUT (802.3 AF / AT)



SIM CARD SLOT



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



MADE IN EUROPE

## 5G/LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 GHz : 2.5dBi
<b>SUPPORTED LTE/5G BANDS</b>	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, 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
<b>VSWR</b>	<1.80, max <2.00
<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>GAIN</b>	2.4 - 2.5 GHz: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
<b>VSWR</b>	< 1.50, max < 2.00
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>CONNECTOR</b>	1x RPSMA
<b>CABLE TYPE</b>	RG316

## **POE SWITCH SPECIFICATION**

<b>IEEE STANDARD</b>	IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3AT PoE (Power over Ethernet)
<b>POWER INPUT</b>	Powered from Passive PoE Input 48-58V 3A (Supports both PoE A mode and B mode) or DC Input 48-58V 3A
<b>POE OUTPUT</b>	4x 802.3AT 30W or 3x 802.3AT 30W + 1x Passive PoE 24V 25W
<b>DATA OUT</b>	RJ45 10/100/1000Base-T(X)
<b>OPERATING TEMPERATURE</b>	-40°C ... +70°C

<b>DIMENSIONS</b>	125mm x 60mm x 14mm
<b>EN 61000-4-2 (ESD)</b>	+/- 6V contact, +/- 8kV air
<b>EN 61000-4-3 (RS)</b>	10V/m Cryteria A
<b>EN 61000-4-4 (EFT)</b>	+/- 1kV Cryteria A
<b>EN 61000-4-8</b>	30A /m
<b>EN 61000-4-5 (SURGE)</b>	1kV
<b>IEC60950-1</b>	YES
<b>EN62368-1</b>	YES

## **POWER SUPPLY ELECTRICAL INPUT SPECIFICATION**

<b>INPUT VOLTAGE</b>	110 ... 240VAC
<b>INPUT FREQUENCY</b>	50 ... 60Hz
<b>INPUT CURRENT</b>	max. 2A RMS
<b>INRUSH CURRENT</b>	max. 30A
<b>AC LEAKAGE CURRENT</b>	max. 3.5mA
<b>EFFICIENCY</b>	min. 80% @ 100VAC, 84% @ 240VAC
<b>DIELECTRIC STRENGTH (PRIMARY TO SECONDARY)</b>	3kVAC/5mA/1s
<b>INPUT SOCKET</b>	IEC320-C6
<b>AC POWER CORD</b>	1.5m length, 3 pins EU or UK plug or US plug

## POWER SUPPLY ELECTRICAL OUTPUT SPECIFICATION

<b>OUTPUT VOLTAGE</b>	56VDC
<b>MIN. LOAD</b>	0A
<b>MAX. LOAD</b>	1A
<b>PEAK LOAD</b>	1.46A
<b>OUTPUT POWER</b>	56W
<b>LINE REGULATION</b>	± 3%
<b>LOAD REGULATION</b>	± 5%
<b>RIPPLE</b>	560mVpp
<b>TURN ON DELAY TIME</b>	max. 5s
<b>RISE TIME</b>	max. 40ms
<b>HOLD UP TIME</b>	min. 5ms
<b>OVERSHOOT</b>	max. 15%
<b>PROTECTIONS</b>	Short circuit, over current (110 ... 200% of DC output)
<b>ETHERNET PORTS</b>	Input (LAN): 1x RJ45 10/100/1000Mbps Output (PoE): 1x RJ45 10/100/1000Mbps
<b>POE MODE</b>	mode B: pins 4,5 + / pins 7,8 -
<b>LEDS</b>	Green: Power supply is on, Orange: PoE device connected

## POWER SUPPLY MECHANICAL SPECIFICATION

<b>MTBF</b>	30,000 operating hours confidence-level at 80% load, 25°C
<b>OPERATING TEMPERATURE</b>	-10°C ... +45°C
<b>STORAGE TEMPERATURE</b>	-20°C ... +85°C
<b>HUMIDITY</b>	5% @ 0°C, 90% @ 40°C
<b>SIZE</b>	146 x 59 x 30mm (LxWxH)
<b>SAFETY</b>	CE: EMC/LVD / FCC Part 15 Class B/ EN55022 Class B/ EN55024

## MECHANICAL SPECIFICATION

<b>MATERIAL</b>	ABS (UV Resistant), aluminum, PTFE, fiberglass
<b>OPERATING TEMPERATURE</b>	-40°C ... +70°C
<b>WEIGHT</b>	2.24 kg 4.93 lbs
<b>DIMENSIONS</b>	27 x 27 x 7.7 cm 10.63 x 10.63 x 3.03 inch
<b>INGRESS PROTECTION</b>	IP67
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm

## 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

### MOUNTING PLACE

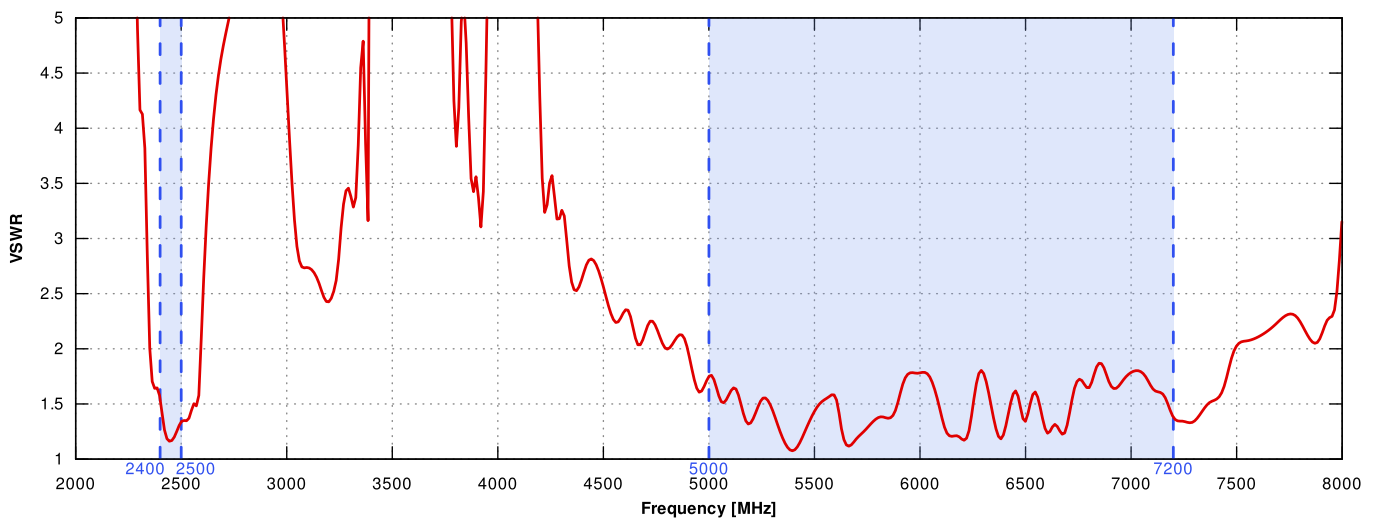
Wall or ceiling or mast

## COMPATIBLE ROUTERS

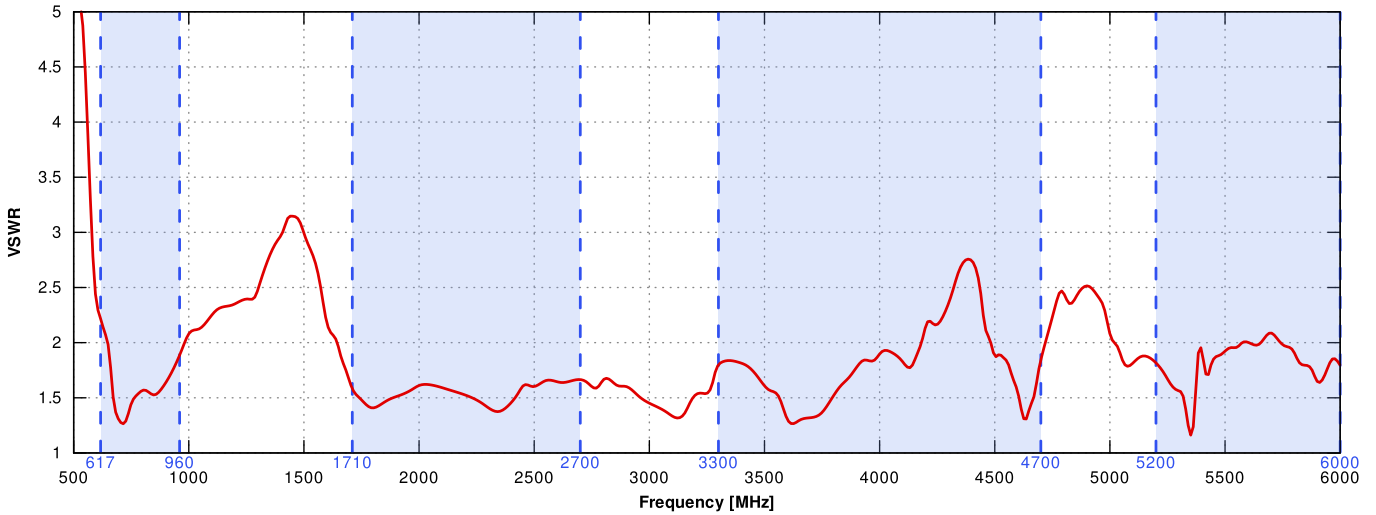
VARIANT: - \_\_\_\_\_

## PLOTS

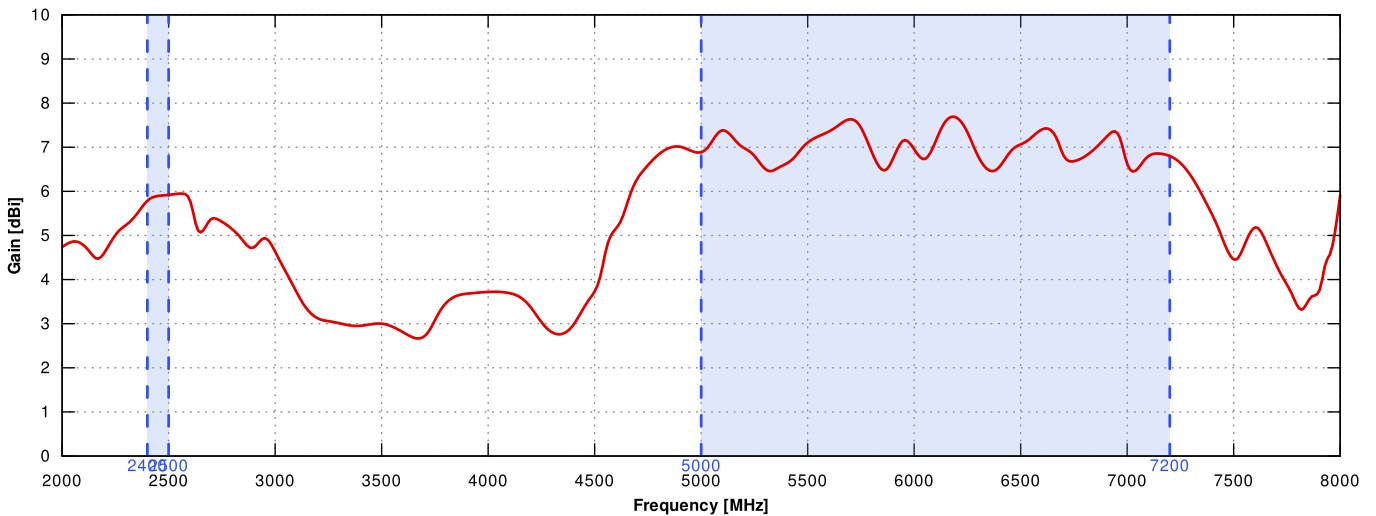
VSWR FOR WI-FI ANTENNA \_\_\_\_\_



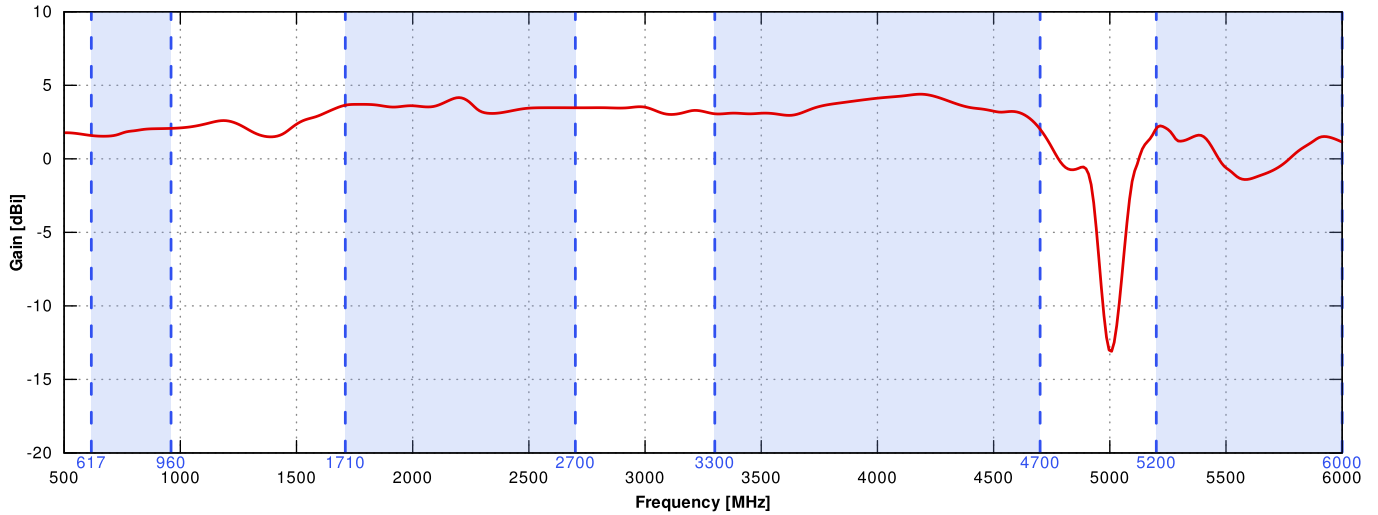
### VSWR FOR 5G/LTE ANTENNA



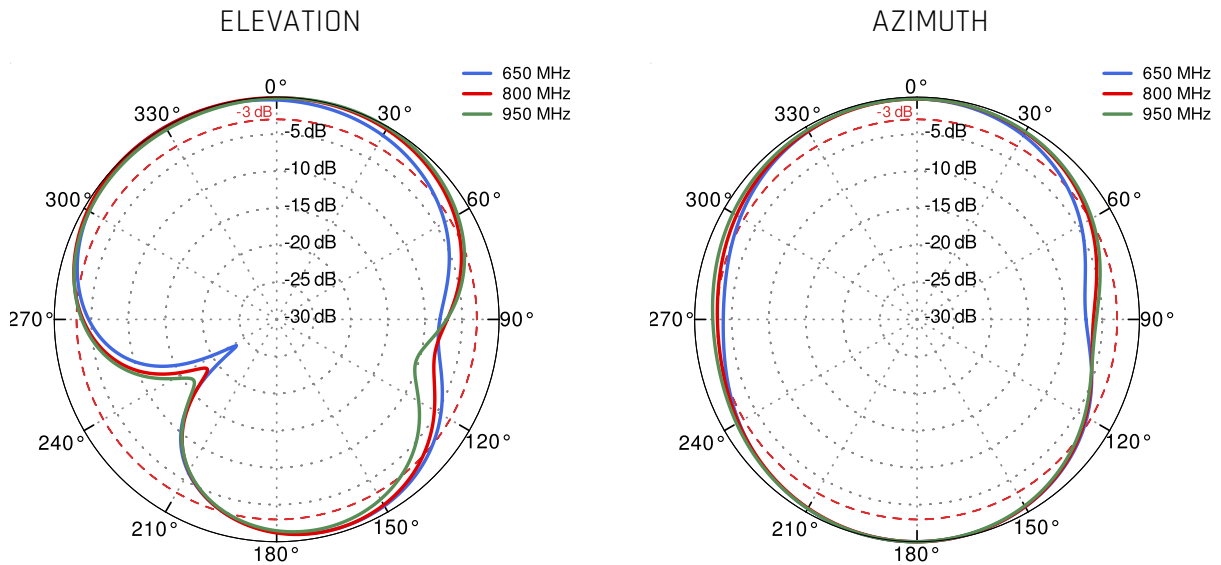
### GAIN FOR WI-FI ANTENNA



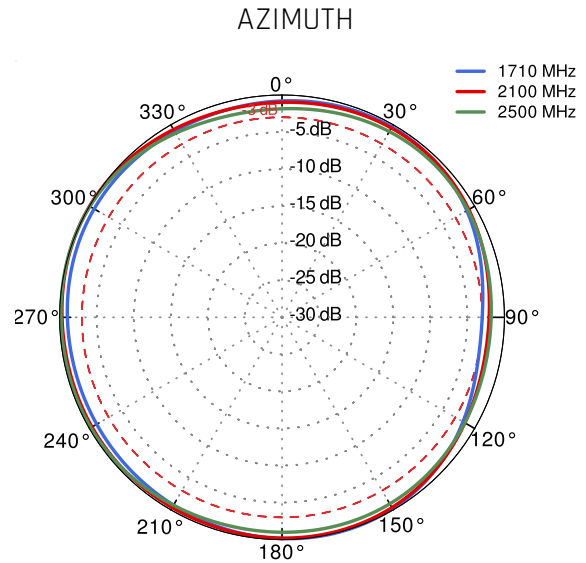
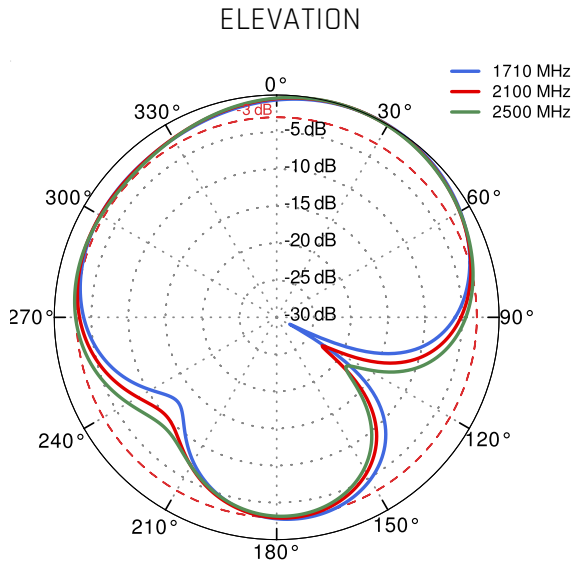
### GAIN FOR 5G/LTE ANTENNA



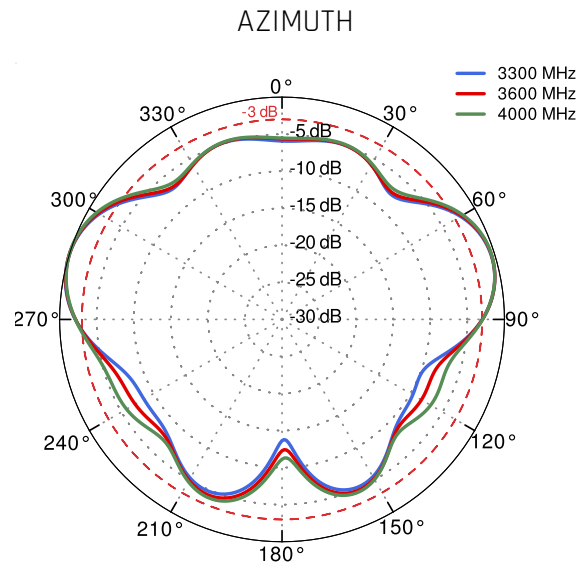
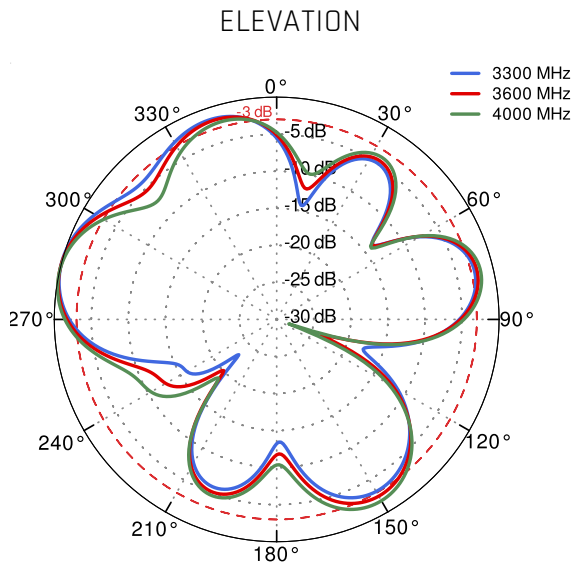
### 5G/LTE from 650MHz to 950MHz



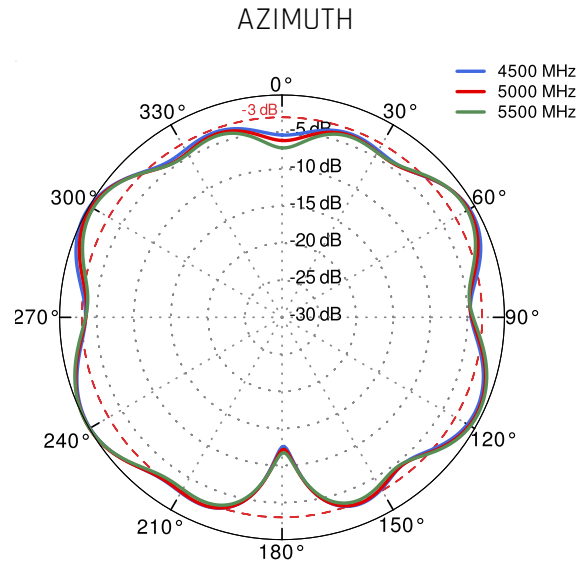
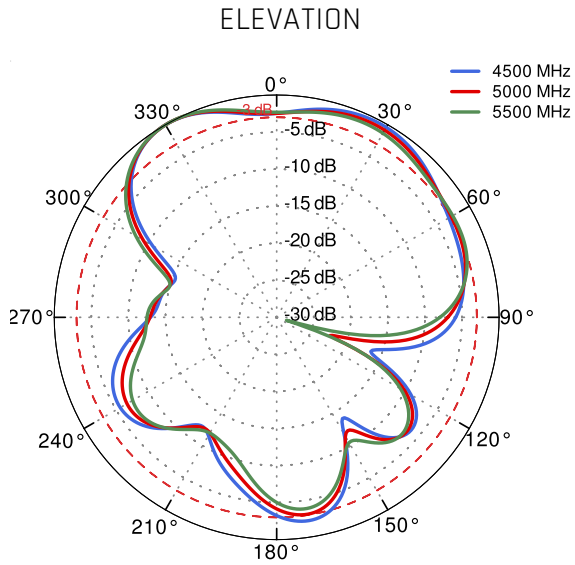
5G/LTE from 1.71GHz to 2.5GHz



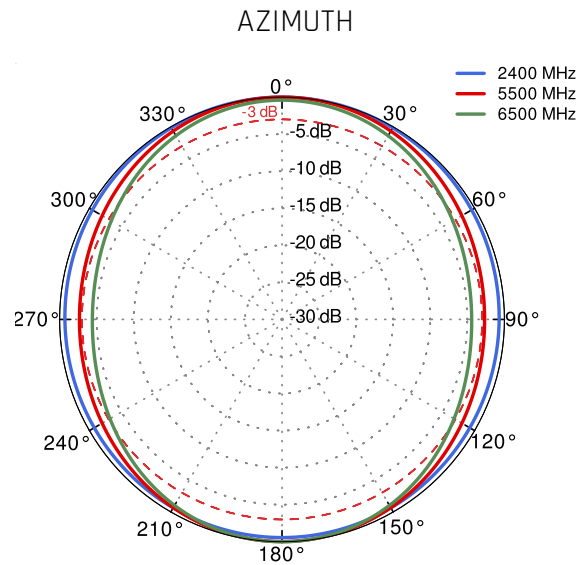
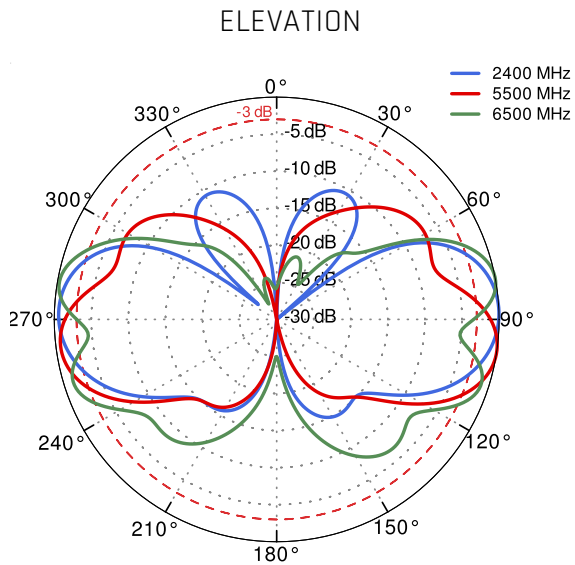
5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



Wi-Fi 2.4GHz to 6.5GHz



## **DIMENSIONS**

