

# QuCam for RUT2xx Global

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

QuCam for RUT2xx Global 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 RUT200, RUT240, RUT241 or RUT260 **(not included in gateway set)**.

QuCam for RUT2xx 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



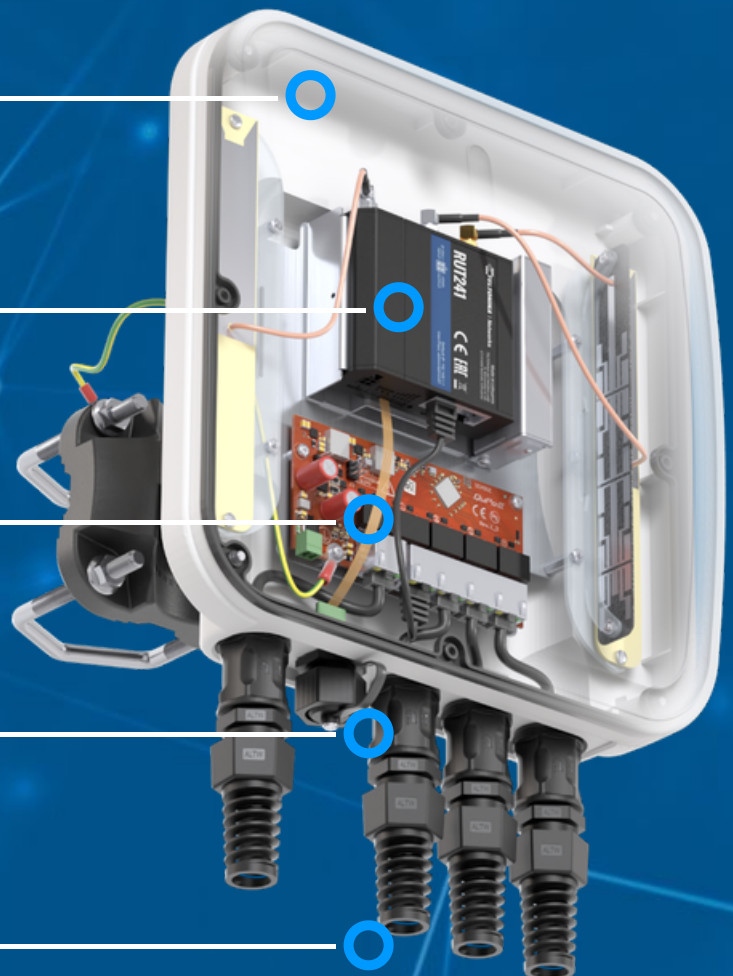
OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



MADE IN EUROPE



## 5G/LTE 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/5G 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, 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>	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: 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>	146.5 x 61.95 x 32.2mm ± 1mm (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>NET WEIGHT</b>	2,10 ± 0.2 kg 4.63 ± 0.44 lbs
<b>DIMENSIONS</b>	27.0 x 27.7 x 7.7 ± 1.0 cm 10.63 x 10.63 x 3.03 ± 0.39 inch
<b>INGRESS PROTECTION</b>	IP68
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm

## MOUNTING KIT

### DIMENSIONS

9.9 x 10.5 x 14.8 ± 0.5 cm  
3.9 x 4.13 x 5.83 ± 0.19 inch

### REGULATION RANGE

+/- 30°

### MAST DIAMETER RANGE

25 - 66mm  
0.98-2.60 inch

### MATERIAL

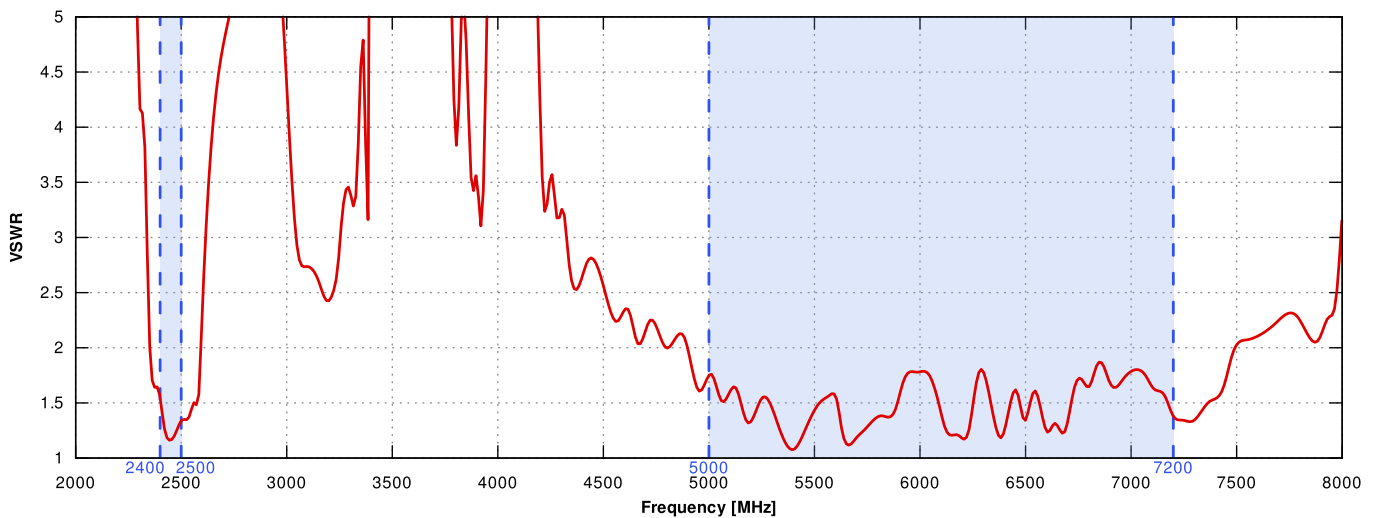
Polyamide with fiberglass + galvanized steel U-Bolts

### MOUNTING PLACE

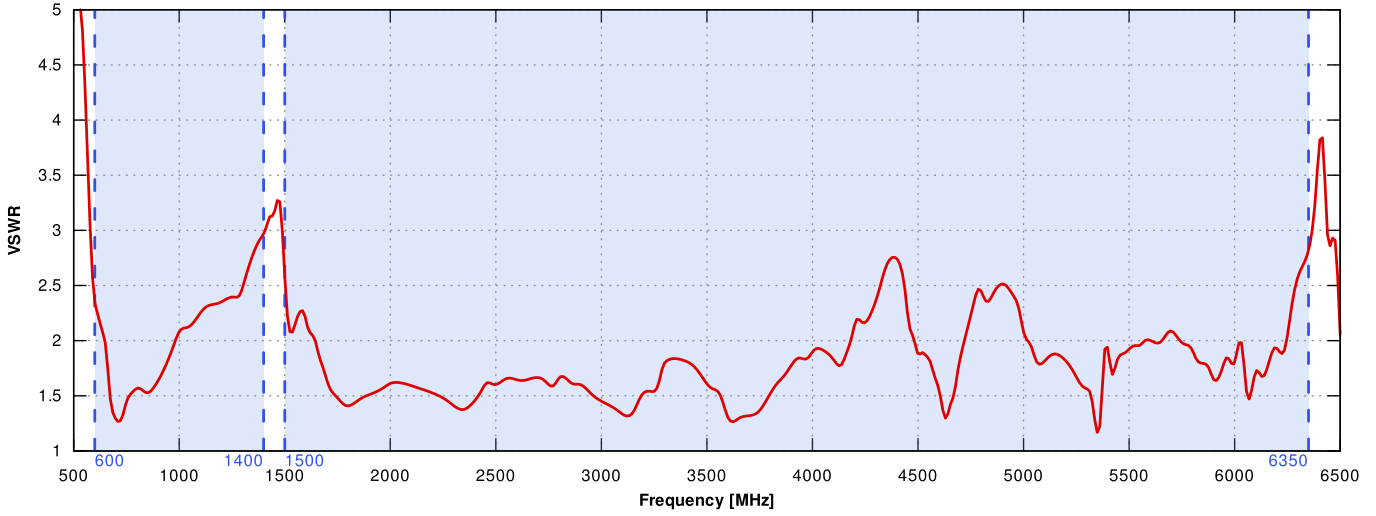
Wall or ceiling or mast

## PLOTS

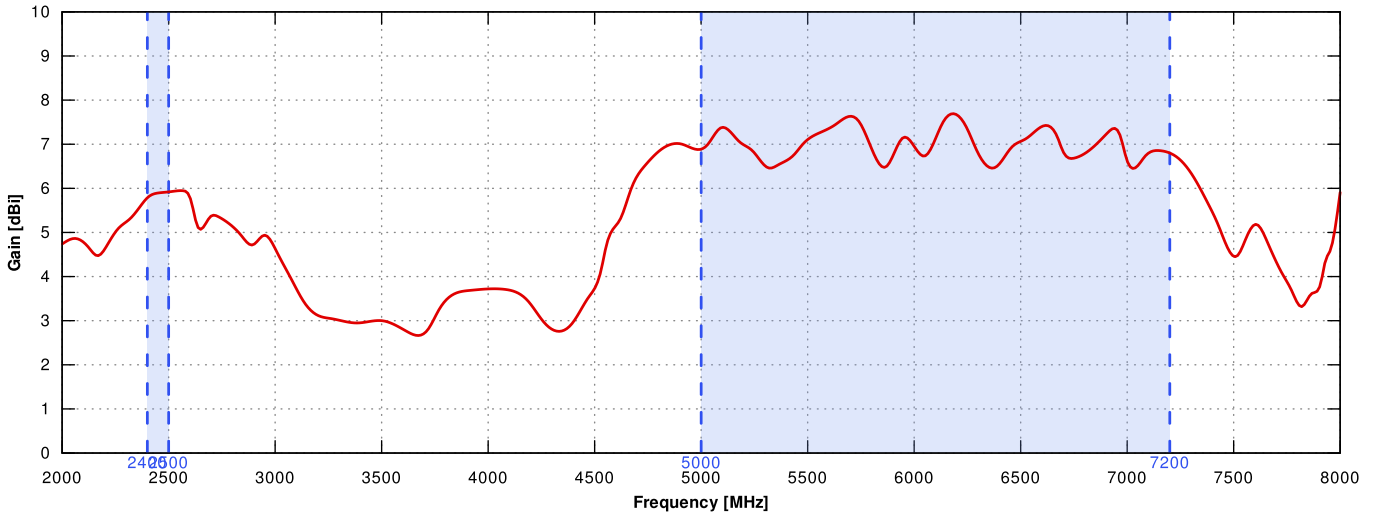
### VSWR FOR WI-FI ANTENNA



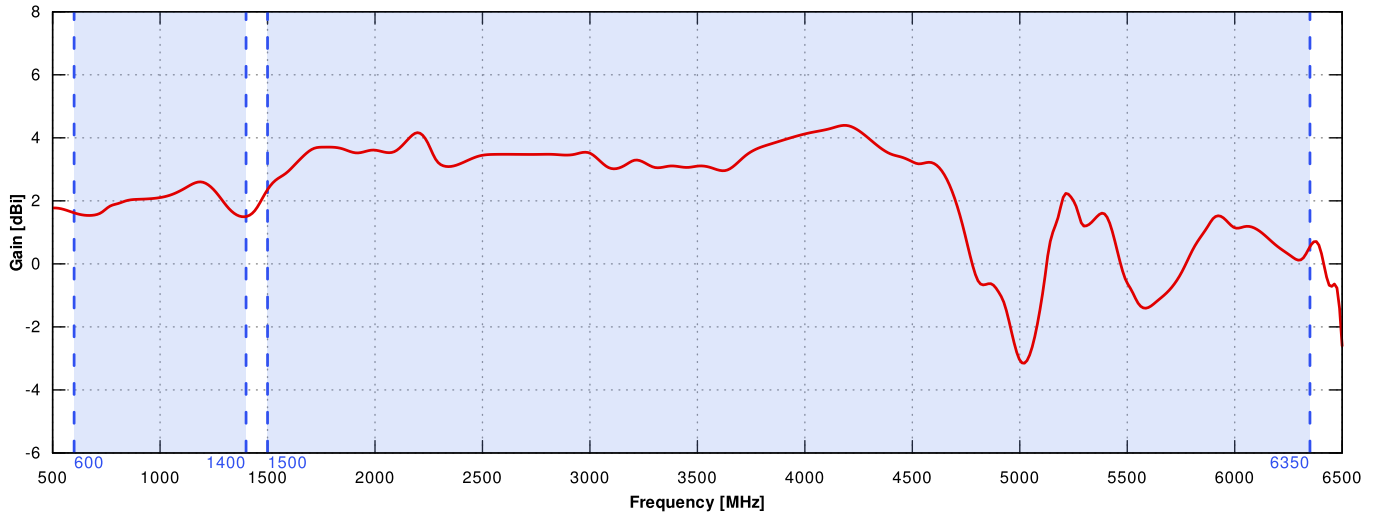
## VSWR FOR 5G/LTE ANTENNA



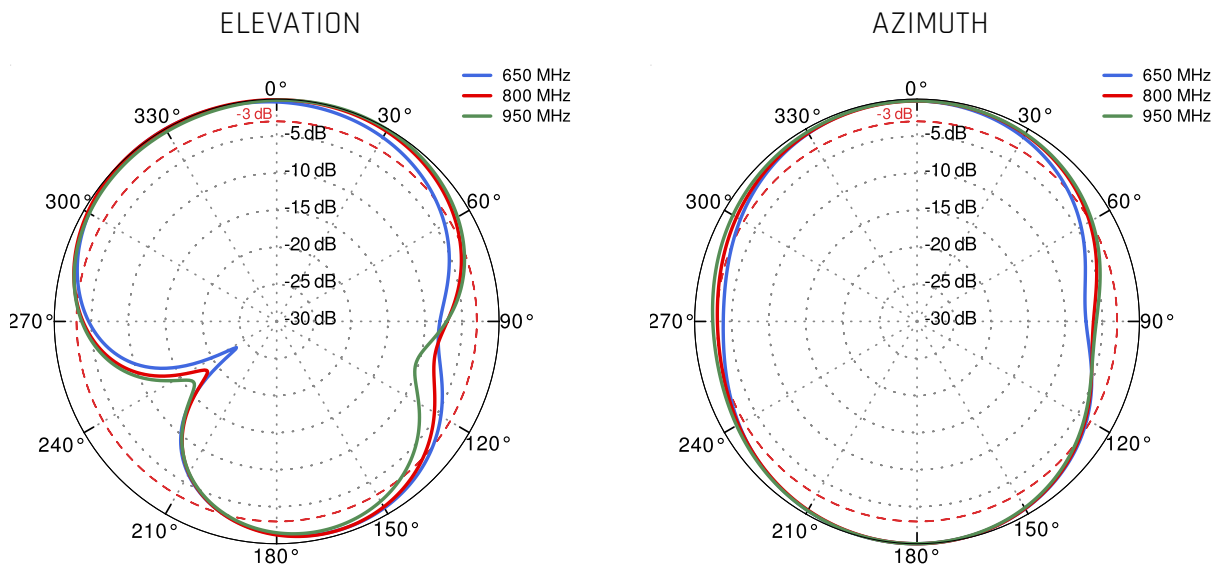
## GAIN FOR WI-FI ANTENNA



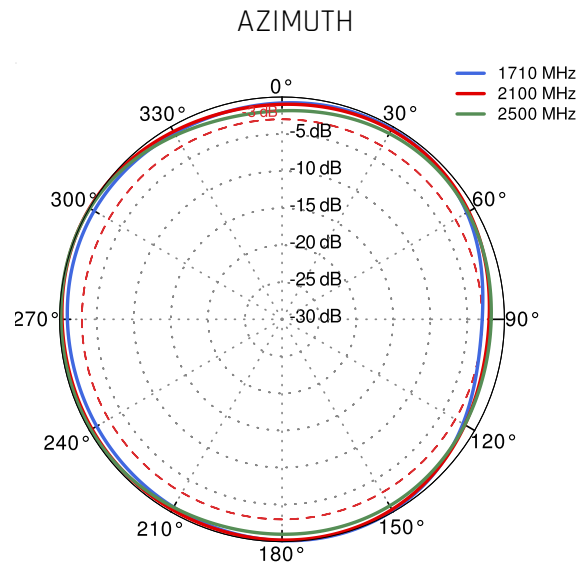
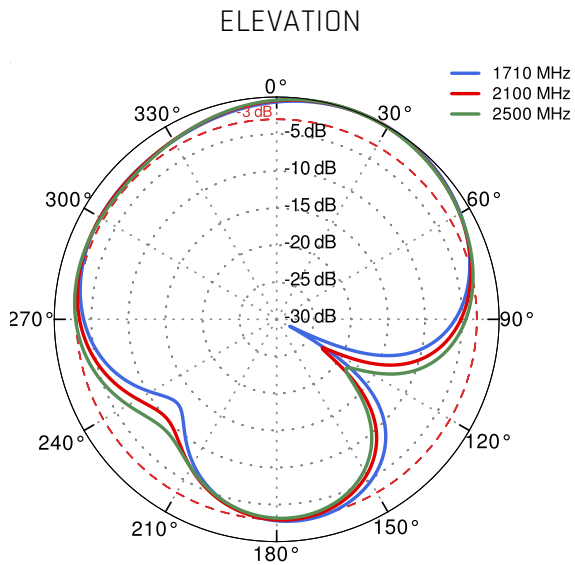
## GAIN FOR 5G/LTE ANTENNA



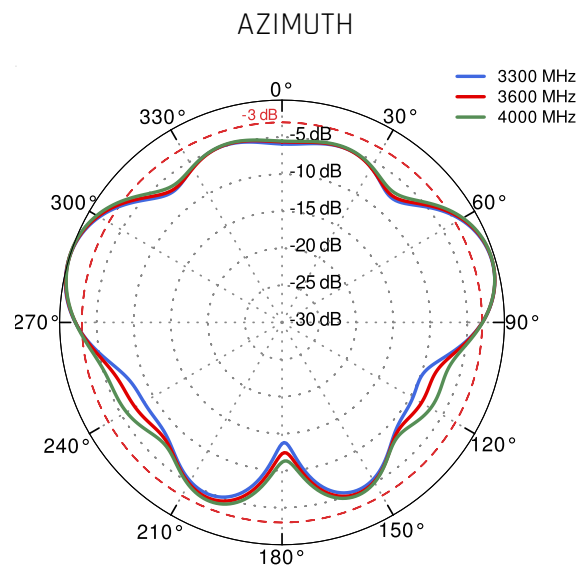
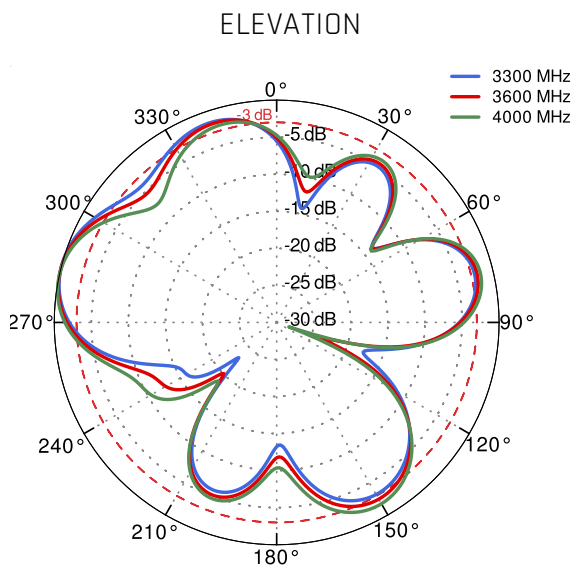
## 5G/LTE from 650MHz to 950MHz



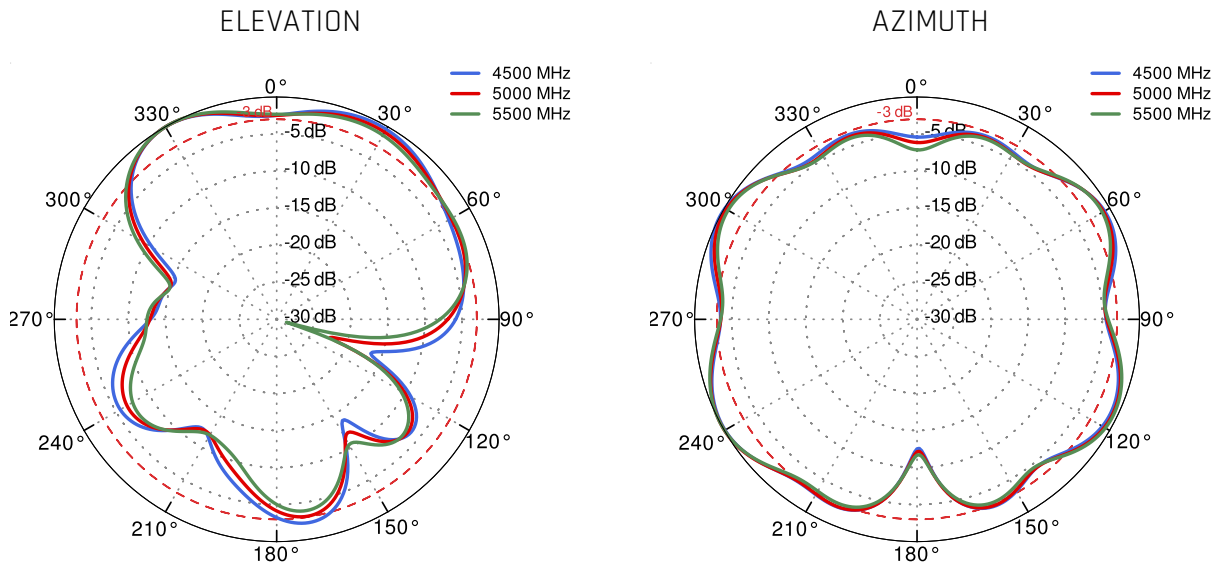
### 5G/LTE from 1.71GHz to 2.5GHz



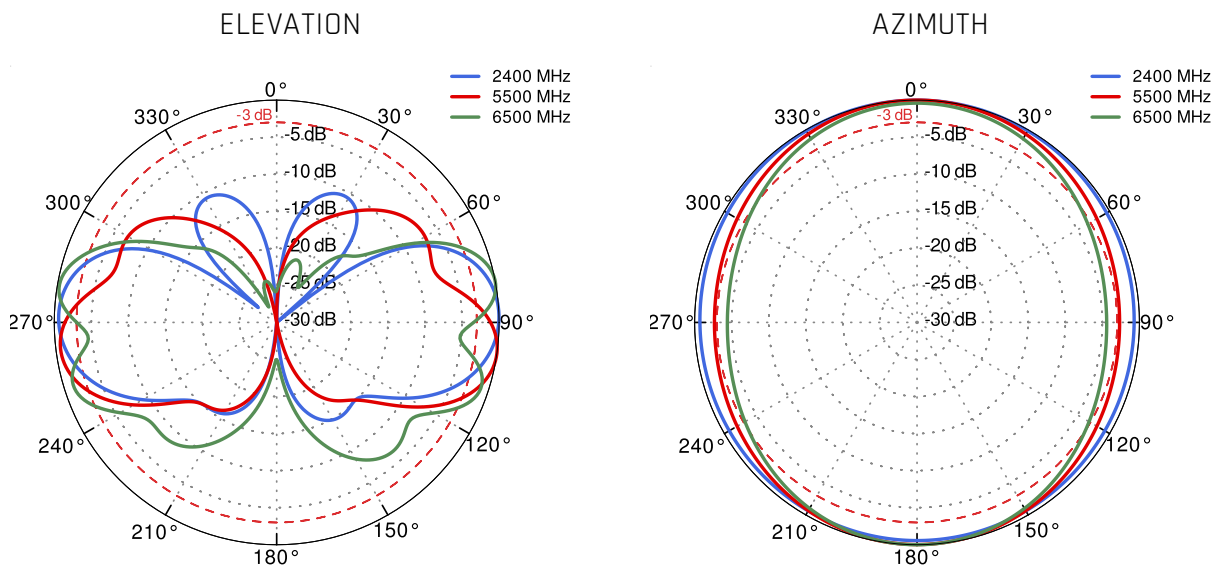
### 5G/LTE from 3.3GHz to 4.0GHz



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



### Wi-Fi 2.4GHz to 6.5GHz



## DIMENSIONS

