

# QuMax for Teltonika RUT951 POE+

**INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUT951 POE+ (ALL-IN-ONE)**

**QuMax for Teltonika RUT951 PoE+** router features integrated directional 5G/LTE and Wi-Fi antennas, an internal mounting system for the router, and a bracket for pole or wall installation. To fully utilize the router's capabilities, it includes four RJ45 ports:

- 1x PoE IN 802.3af/at
- 3x PoE OUT 802.3af/at; 30W max per port; 90W total

It also comes equipped with a DC connector, supporting power input from a 9–57V DC source.

This all-in-one, versatile solution is ideal for a wide range of security applications. In addition to powering CCTV cameras, it can support various other PoE-enabled devices such as sensors, sirens, panic buttons, and more. **QuMax simplifies advanced security deployments with a compact, integrated design.**



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
<b>SUPPORTED LTE 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, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
<b>SUPPORTED 5G BANDS</b>	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
<b>VSWR</b>	<2.00, max <3.00
<b>BEAMWIDTH</b>	80°/80° ±15°
<b>POLARIZATION</b>	X (±45degrees)
<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 4.7- 6.0 GHz
<b>GAIN</b>	2.4 - 2.5 GHz : 6 dBi 4.7 - 6.0 GHz : 7 dBi
<b>VSWR</b>	< 1.70, max < 2.00
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>CONNECTOR</b>	2x RPSMA
<b>CABLE TYPE</b>	RG316

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, fiberglass
<b>CONNECTOR TYPE</b>	RJ45
<b>POE IN</b>	PoE In port 1 (LAN1): 802.3af/at compliant PD port
<b>POE OUT</b>	PoE Out ports 2-4 (LAN2, LAN3, WAN): 802.3af/at; 30W max per port; 90W total
<b>INGRESS PROTECTION</b>	IP68
<b>DIMENSIONS</b>	27.0 x 37.7 x 34.5 $\pm$ 0.5 cm 10.62 x 14.84 x 13.58 $\pm$ 0.19 inch
<b>WEIGHT</b>	1.93 kg 4.255 lbs

**OPERATING TEMPERATURE**

From -40°C to 80°C  
From -40°F to 176°F

**ENCLOSURE RECOMMENDED  
TIGHTENING TORQUE**

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

 **FREQUENCY BANDS**

**LTE / 4G**

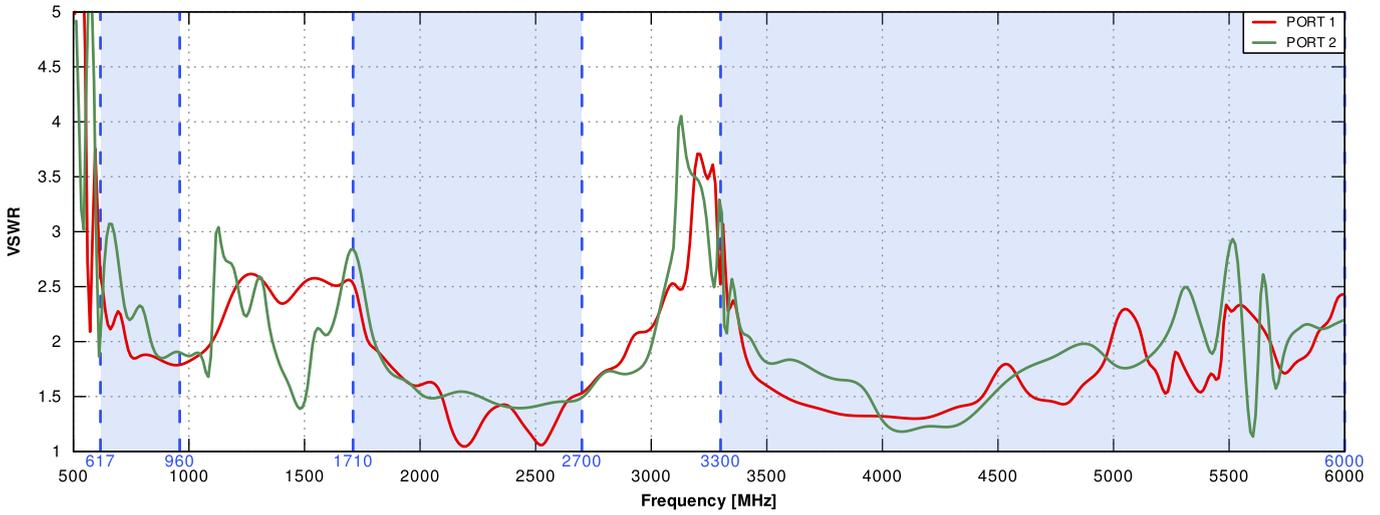
	1	2	3	4	5	7	8	
	9	10	12	13	14	17	18	
	19	20	22	25	26	27	28	
617 MHz	29	30	33	34	35	36	37	6000 MHz
	38	39	40	41	42	43	44	
	46	47	48	49	52	53	65	
	66	67	68	69	71	85	103	
	106							

**5G**

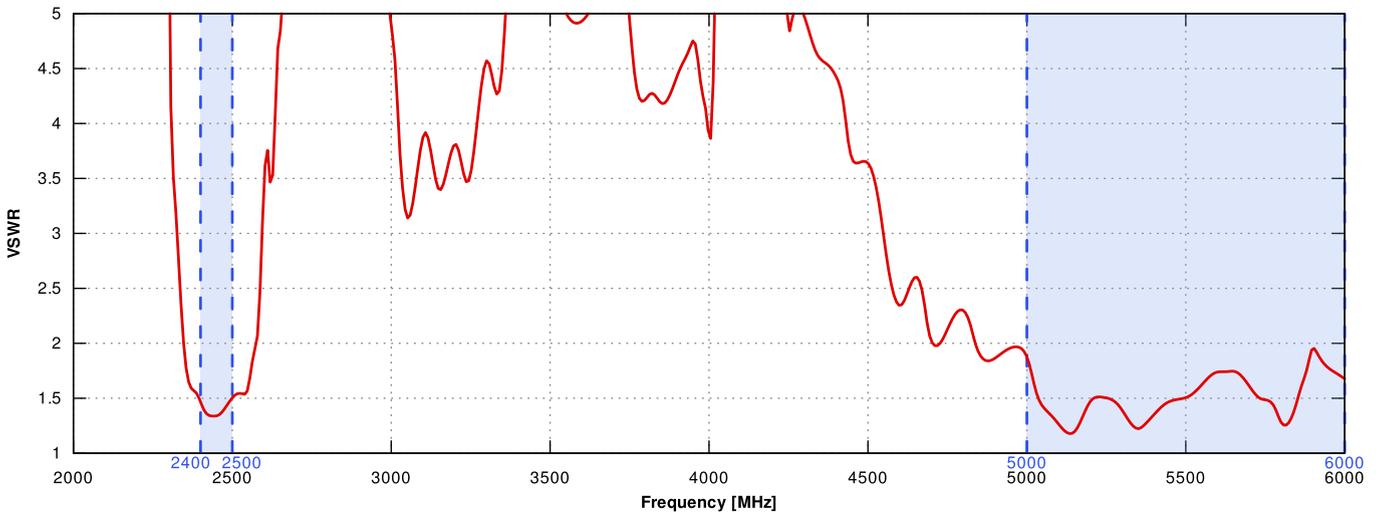
	n1	n2	n3	n5	n7	n8	n12	
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
617 MHz	n46	n47	n48	n53	n65	n66	n67	6000 MHz
	n71	n77	n78	n79	n80	n81	n82	
	n83	n84	n85	n86	n89	n90	n95	
	n97	n98	n100	n101	n256			

# PLOTS

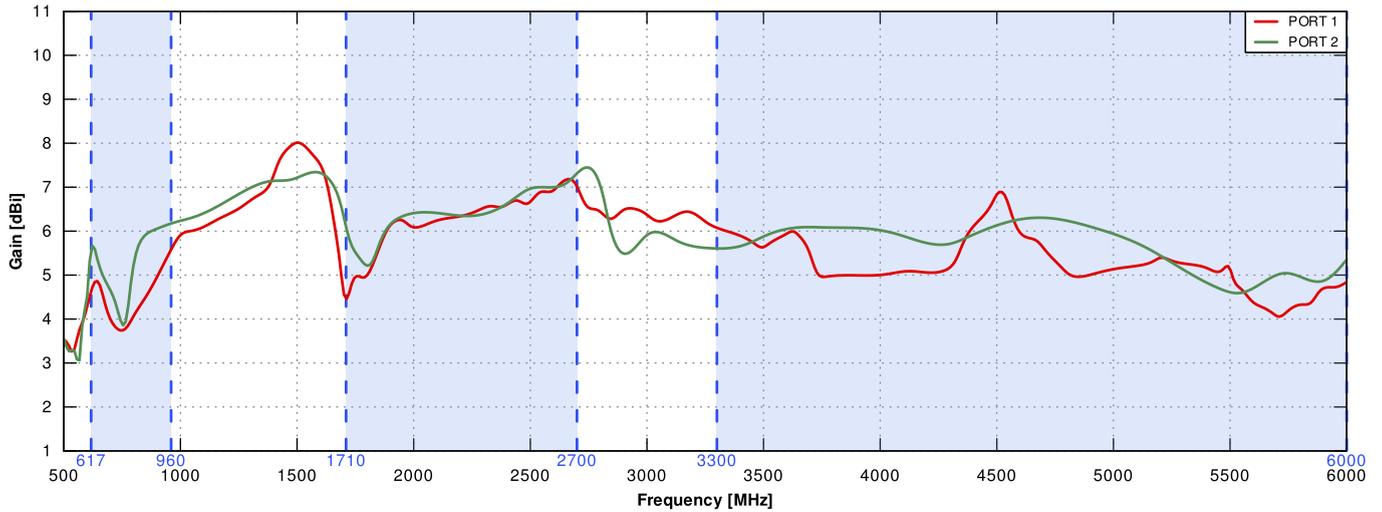
## LTE VSWR



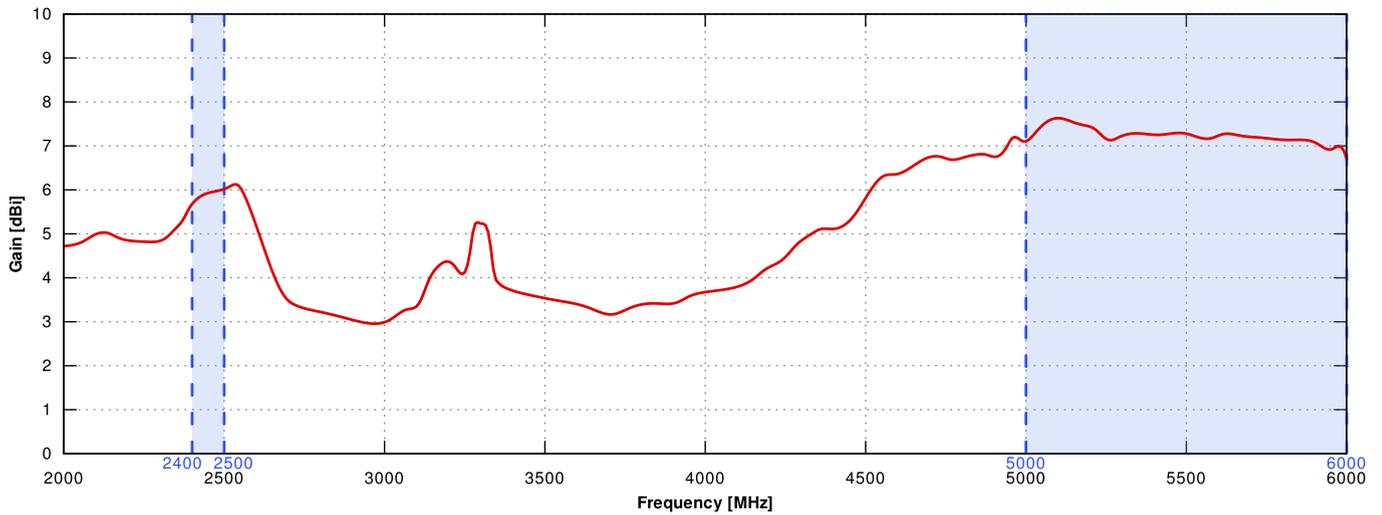
## WI-FI VSWR



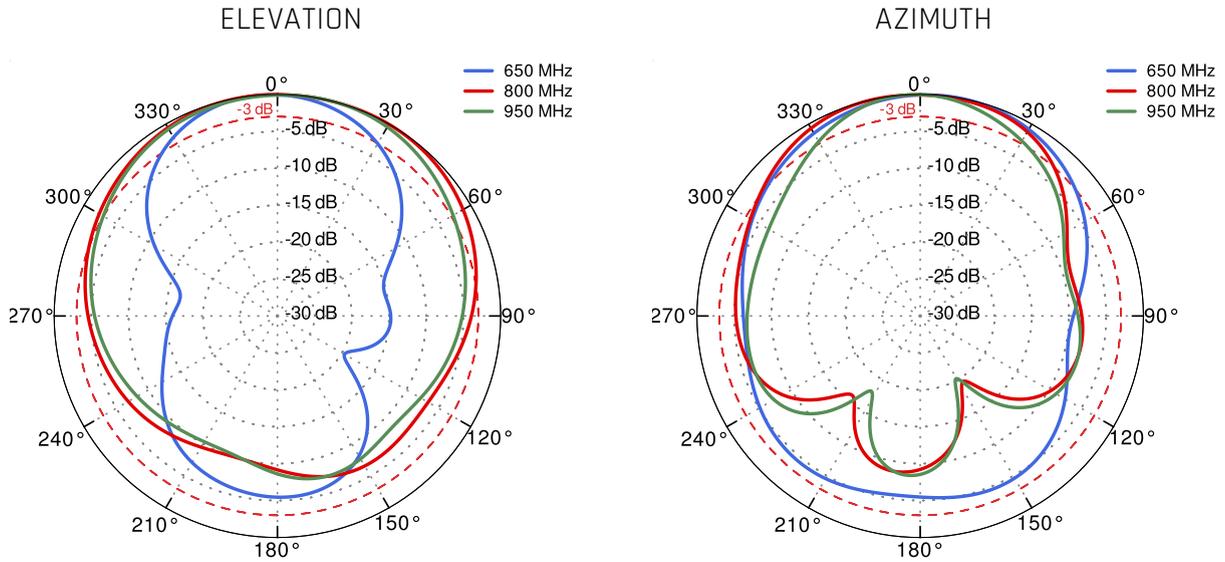
### LTE Gain



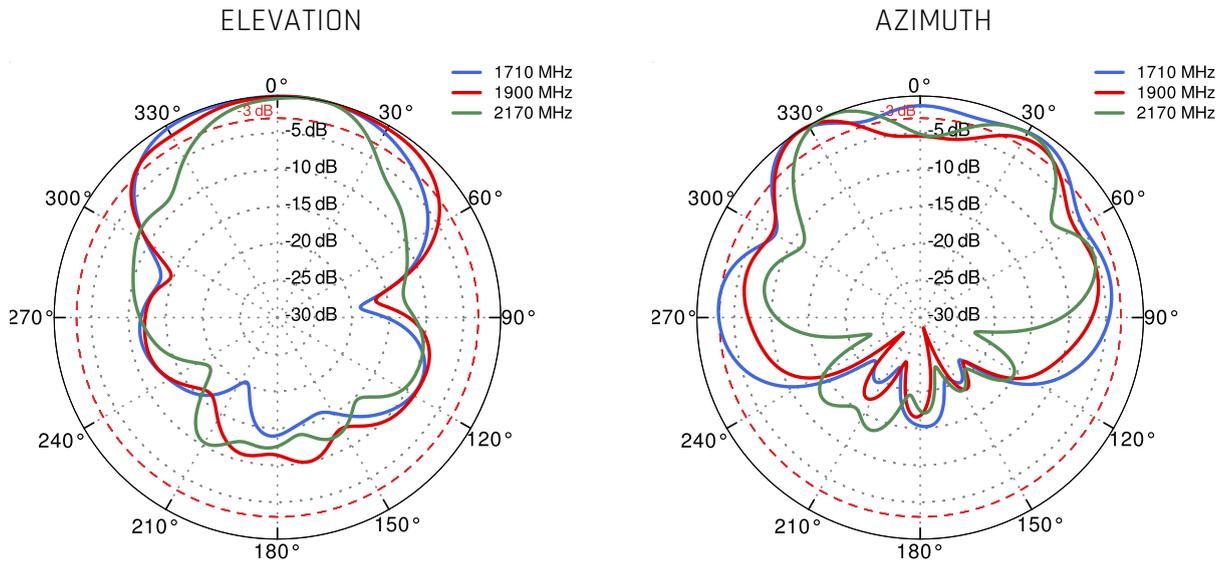
### WI-FI Gain



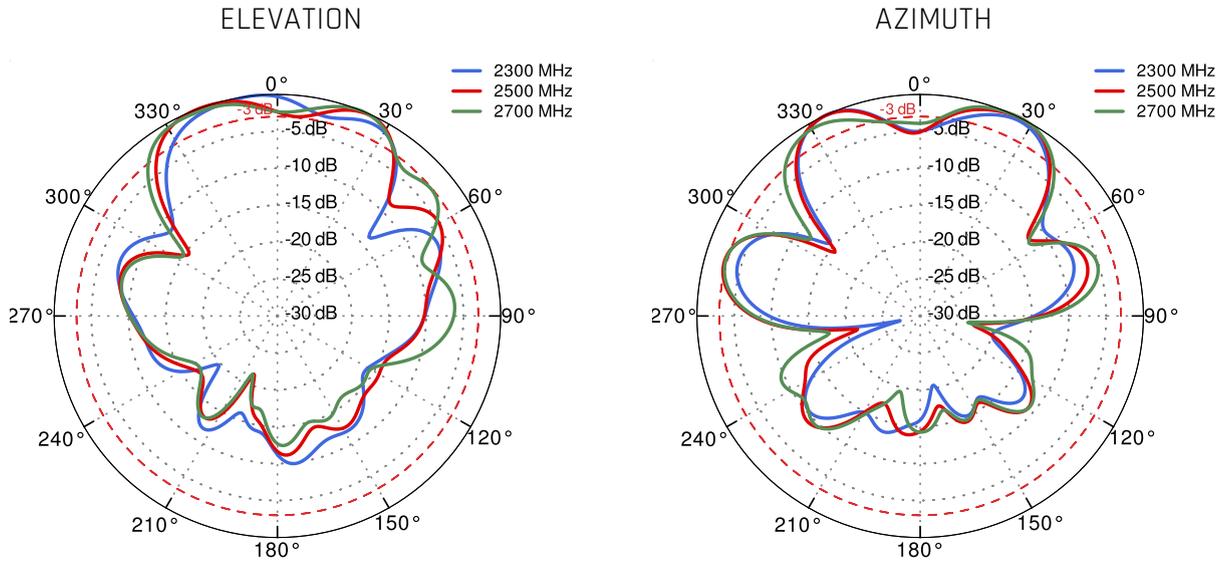
PORT 1 - 5G/LTE from 650MHz to 950MHz



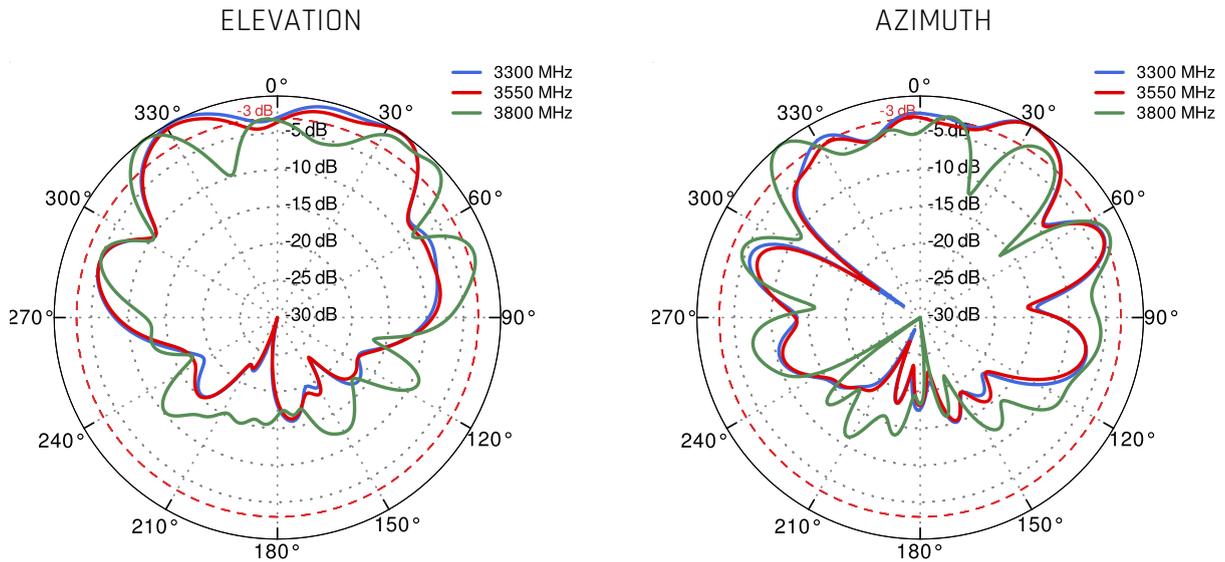
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



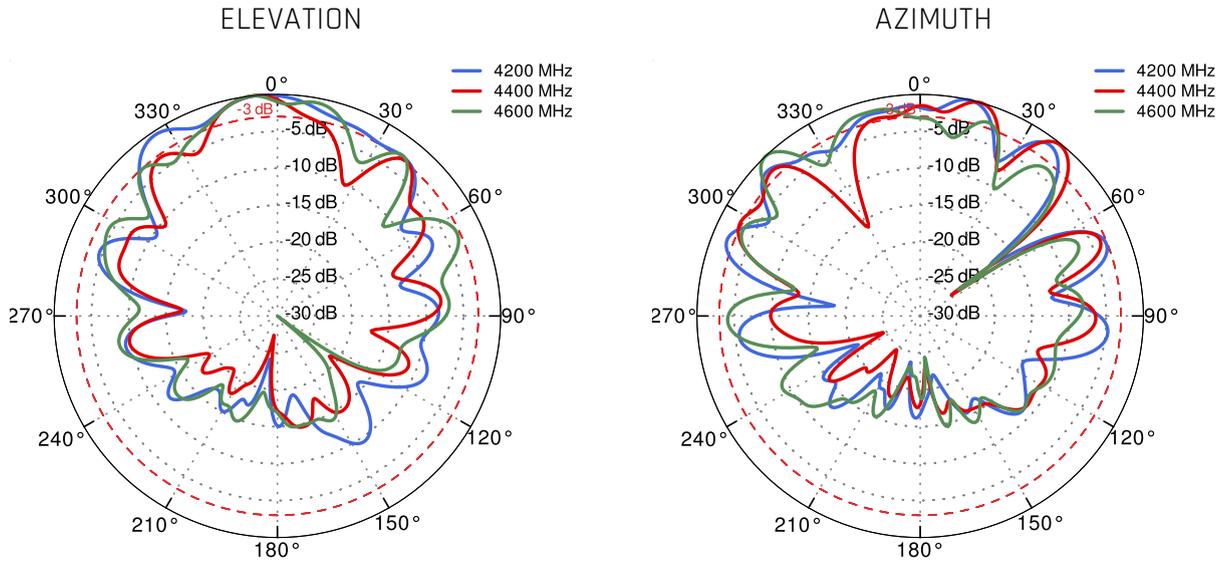
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



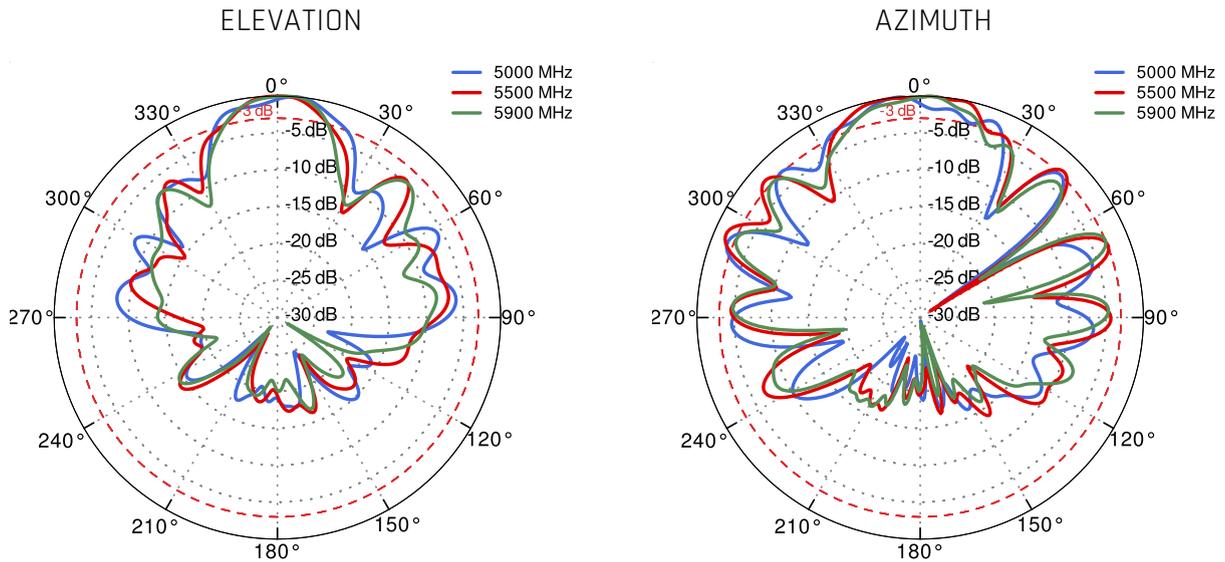
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



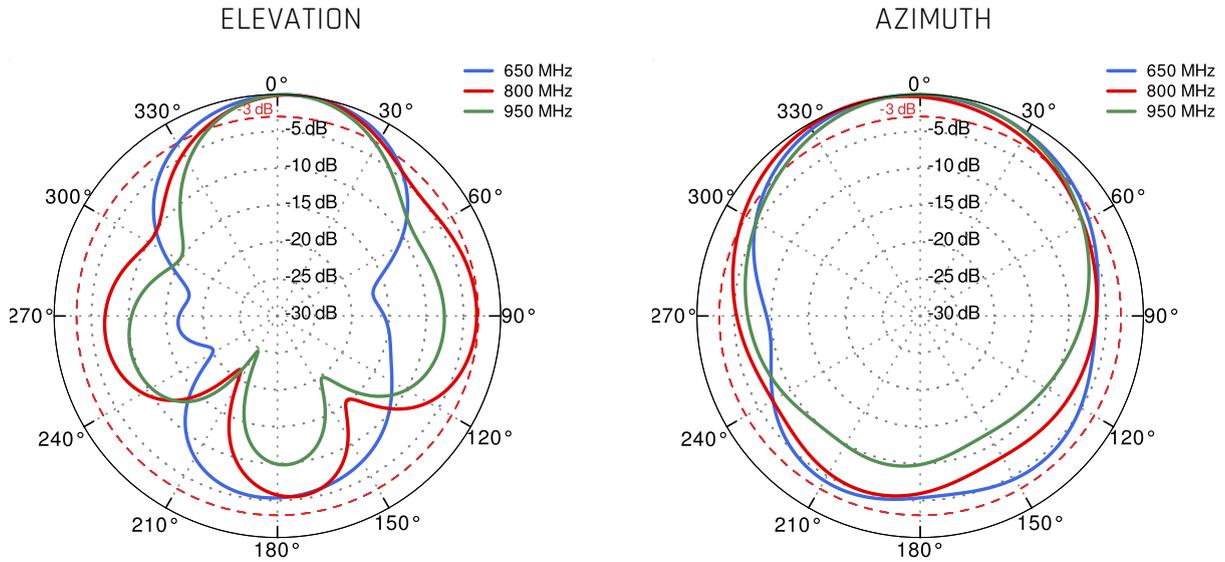
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



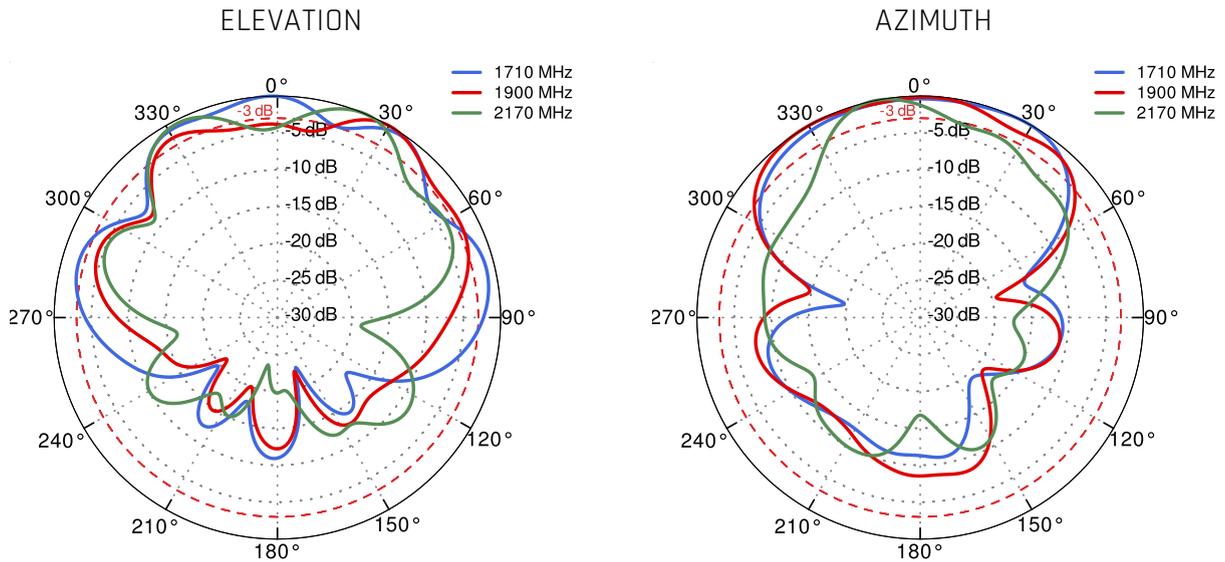
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



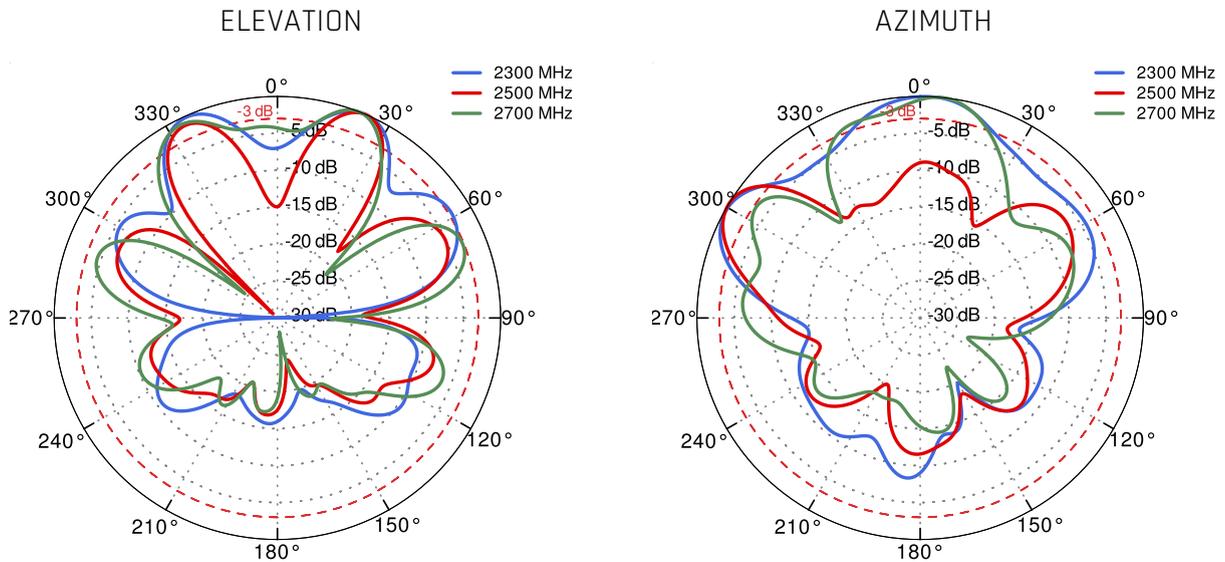
PORT 2 - 5G/LTE from 650MHz to 950MHz



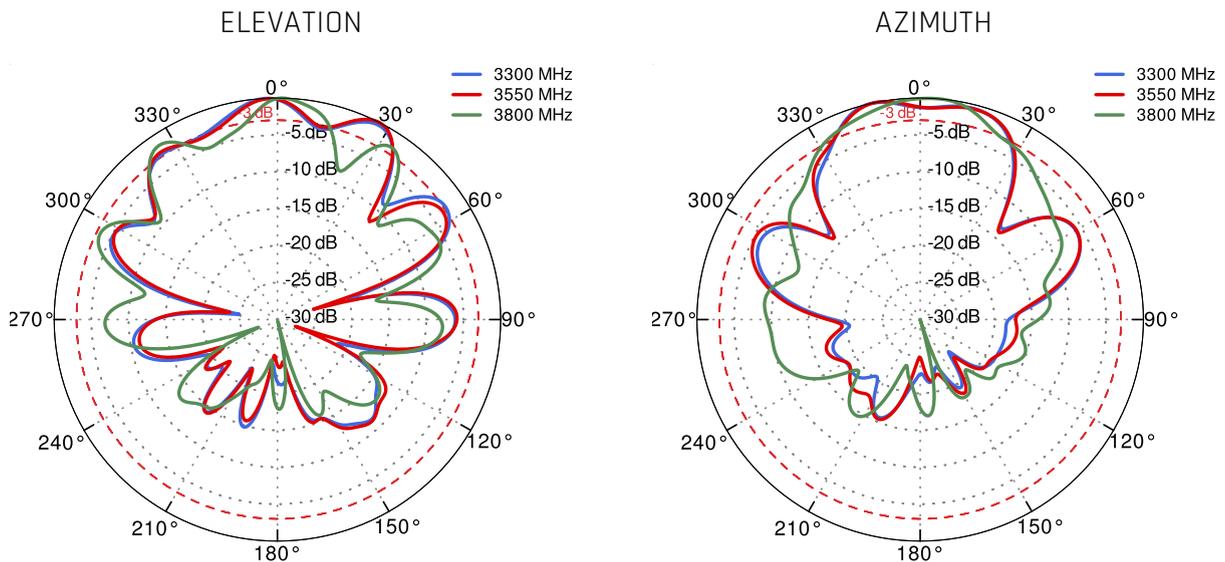
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



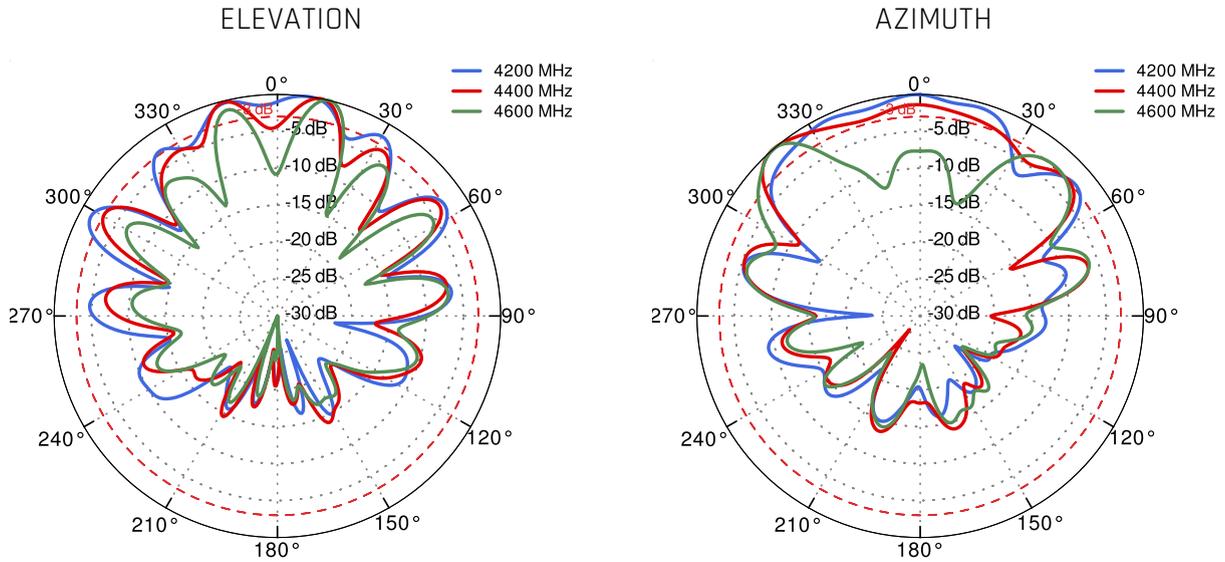
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



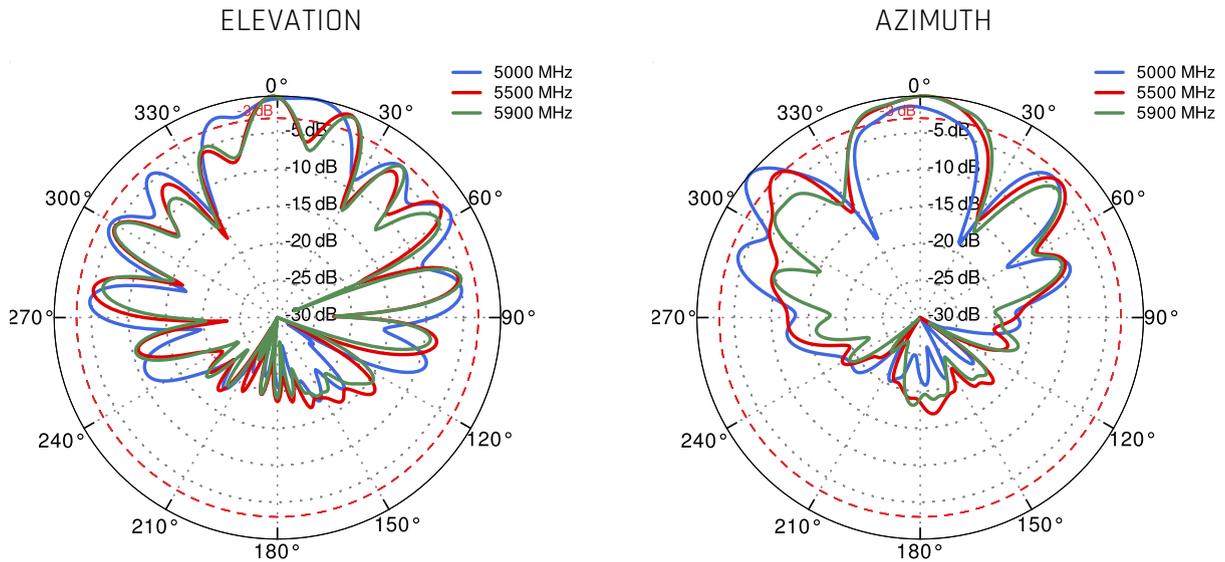
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



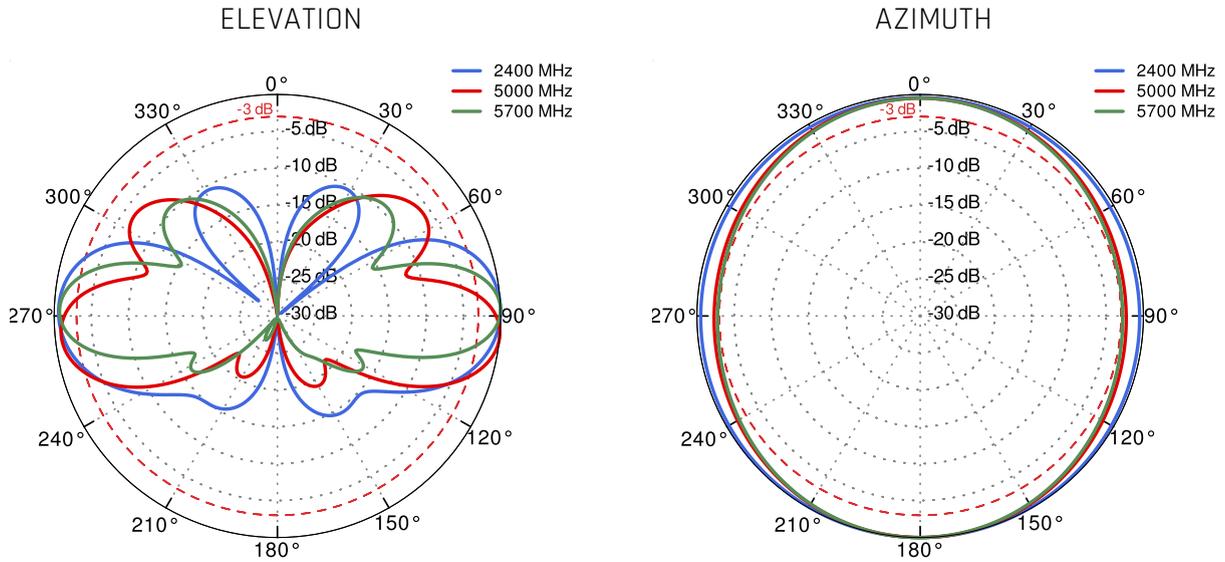
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz



## Wi-Fi From 2.4 GHz to 6.5 GHz



## PORTS



**3 x ACTIVE  
POE OUTPUT**  
802.3af/at

**DC  
INPUT**  
9 - 57VDC

