

# QuMax for Teltonika RUT2xx ver. US (Band71)

**INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUT260/RUT241/RUT240/RUT200/RUT230 (ALL-IN-ONE)**

QuMax for **RUT2xx ver. US (Band71)** is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUT271, RUT260, RUT241, RUT240, RUT230** or **RUT200** router installed inside IP68 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also Wi-Fi omni antenna.**

NOTE: For RUT230 one LTE antenna is unplugged.



OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO  
PLANES, 60 DEGREES REGULATION



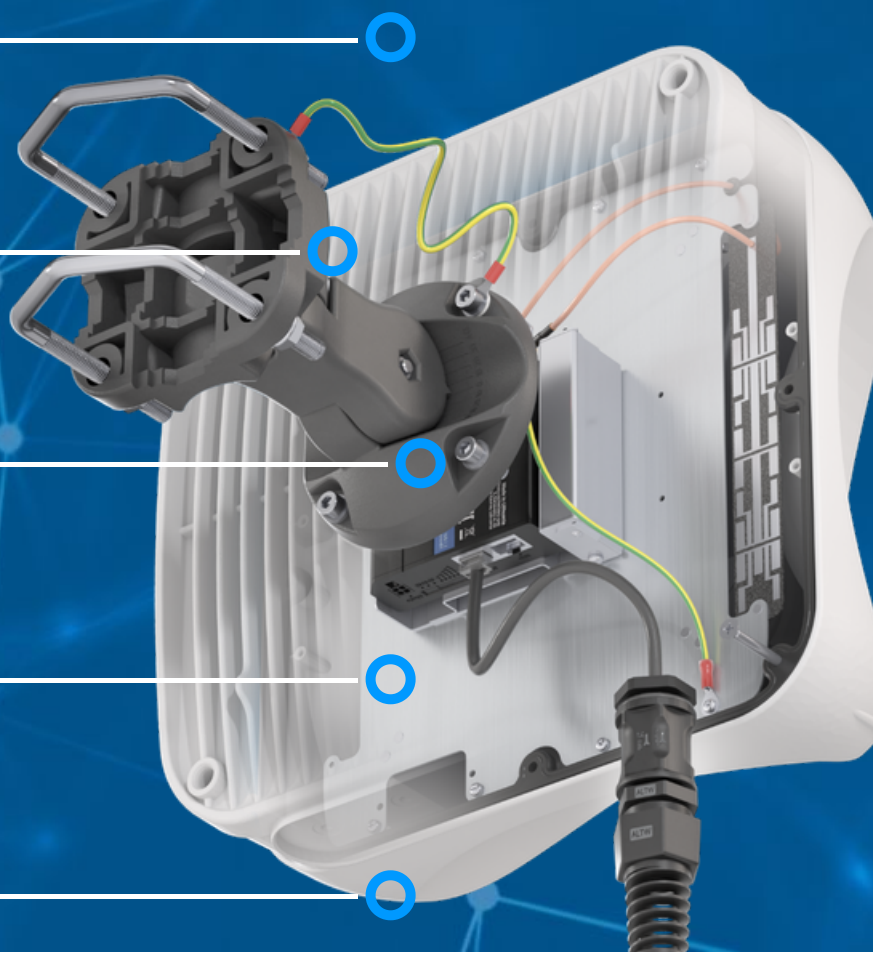
WIDE BAND 600-6000MHZ, 5G  
TECHNOLOGY



ALL ANTENNAS AND TELTONIKA  
ROUTER INTEGRATED IN ONE  
ENCLOSURE



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
GAIN	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
SUPPORTED LTE BANDS	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
SUPPORTED 5G BANDS	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
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 $\Omega$
CONNECTOR	2x SMA
CABLE TYPE	RG316

## WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.7- 6.0 GHz
GAIN	2.4 - 2.5 GHz : 6 dBi 4.7 - 6.0 GHz : 7 dBi
VSWR	< 1.70, max < 2.00
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$
CONNECTOR	1x RPSMA
CABLE TYPE	RG316

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	26.9 x 26.95 x 17.7 cm 10.6 x 10.6 x 7 inch
WEIGHT	1.93 kg 4.255 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F

## 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 - 60mm  
0.98-2.36 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	29	30	33	34	35	36	37	6000
MHz	38	39	40	41	42	43	44	MHz
	46	47	48	49	52	53	65	
	66	67	68	69	71	85	103	
	106							



**5G**

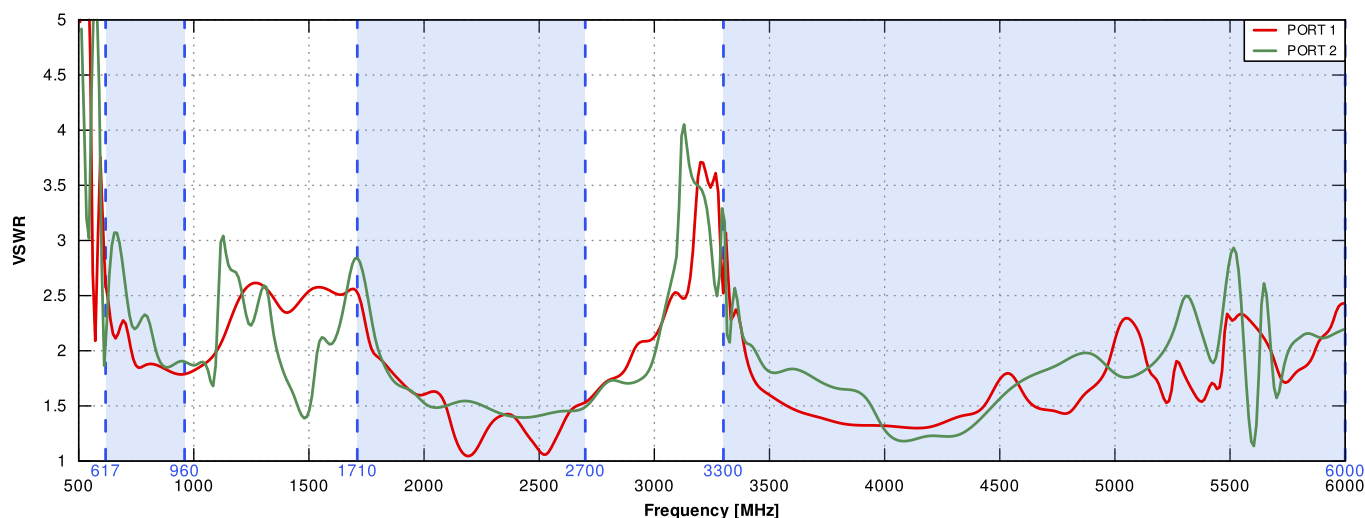
n1	n2	n3	n5	n7	n8	n12
n13	n14	n18	n20	n25	n26	n28
n29	n30	n34	n38	n39	n40	n41
n46	n47	n48	n53	n65	n66	n67
n71	n77	n78	n79	n80	n81	n82
n83	n84	n85	n86	n89	n90	n95
n97	n98	n100	n101	n256		

617  
MHz

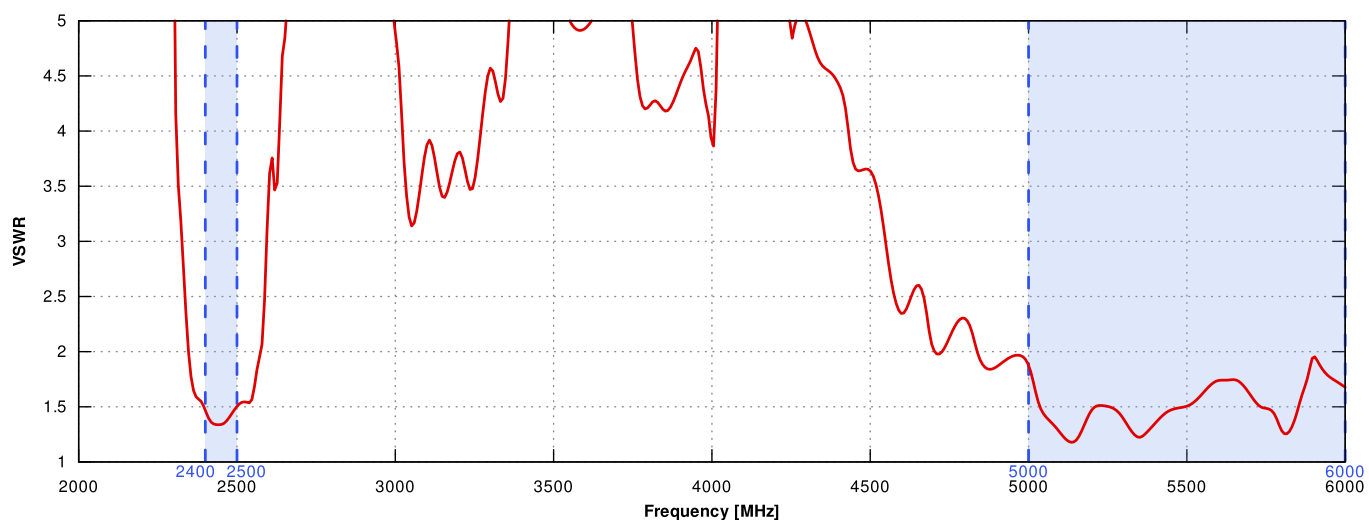
6000  
MHz

## PLOTS

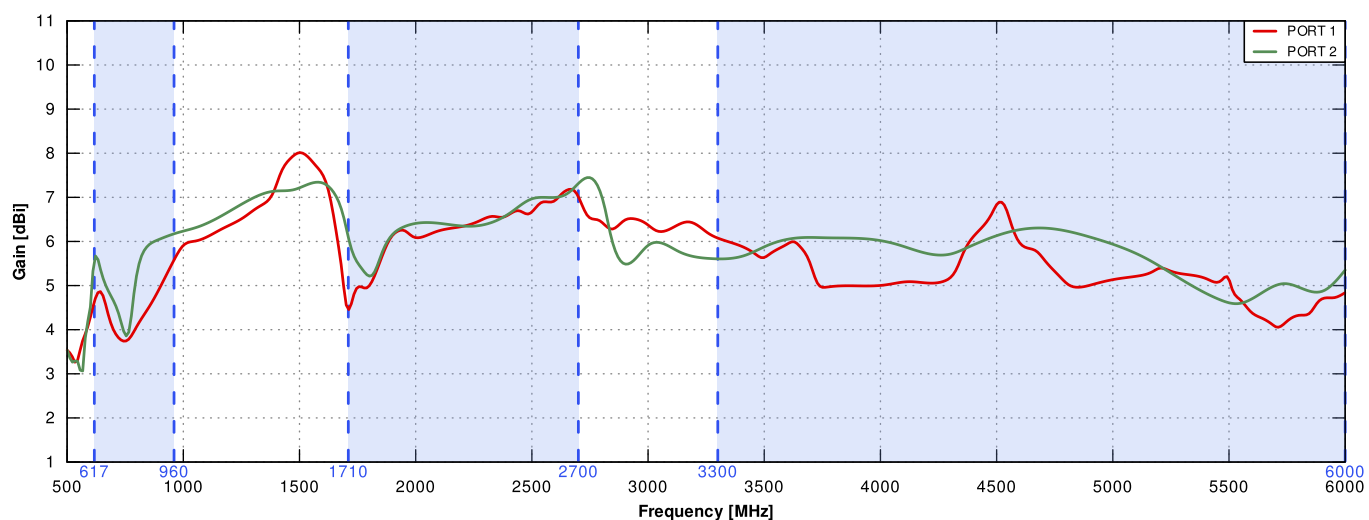
LTE VSWR



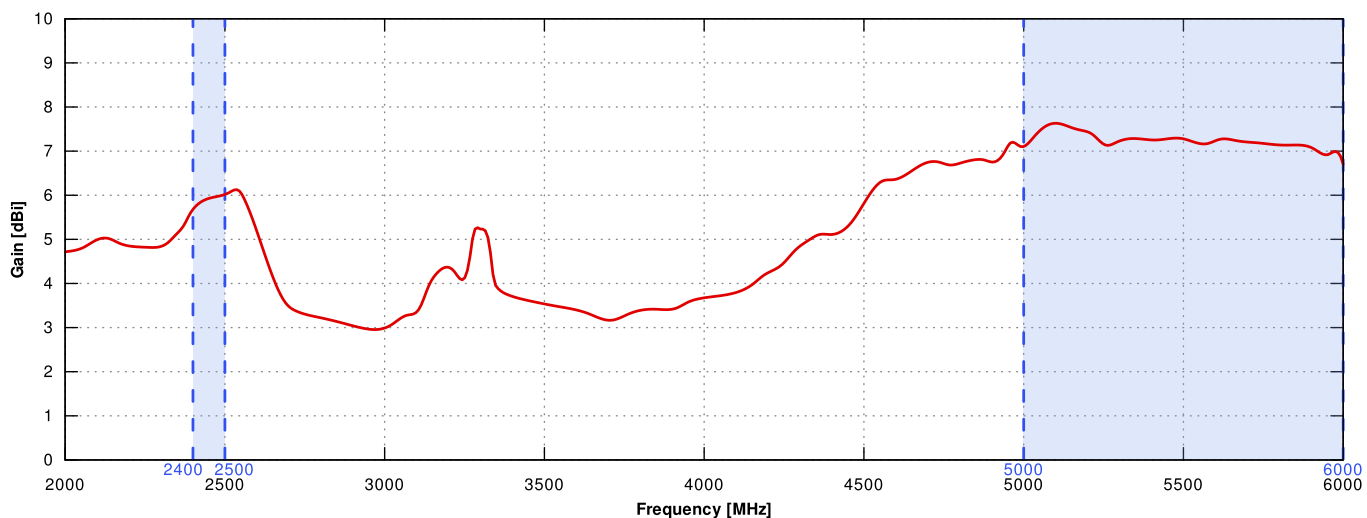
## WI-FI VSWR



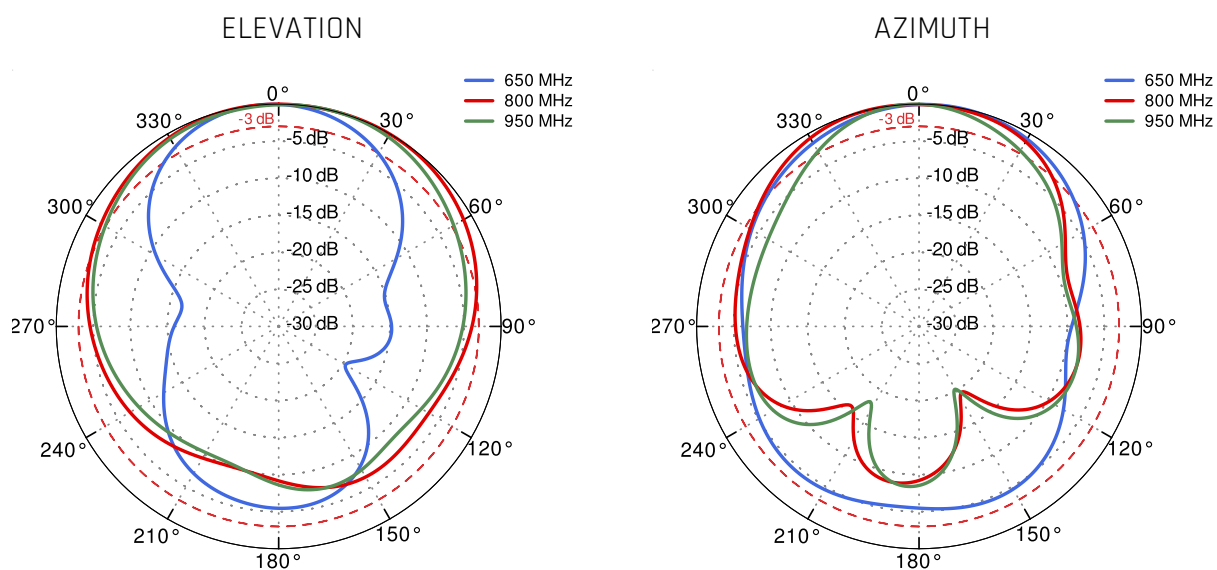
## LTE Gain



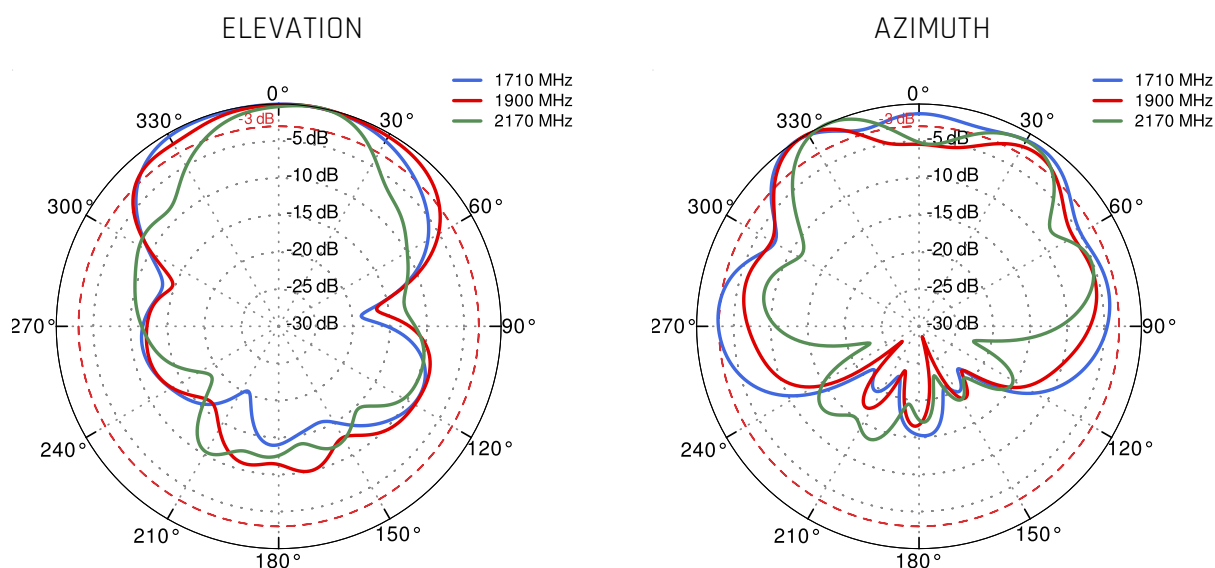
## WI-FI Gain



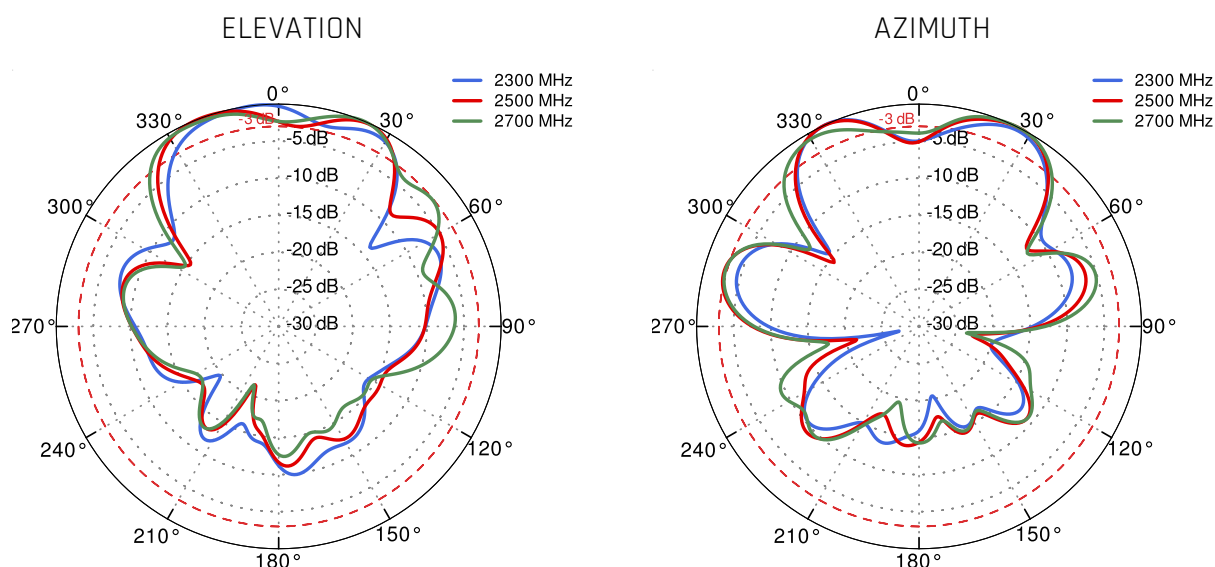
## PORT 1 - 5G/LTE from 650MHz to 950MHz



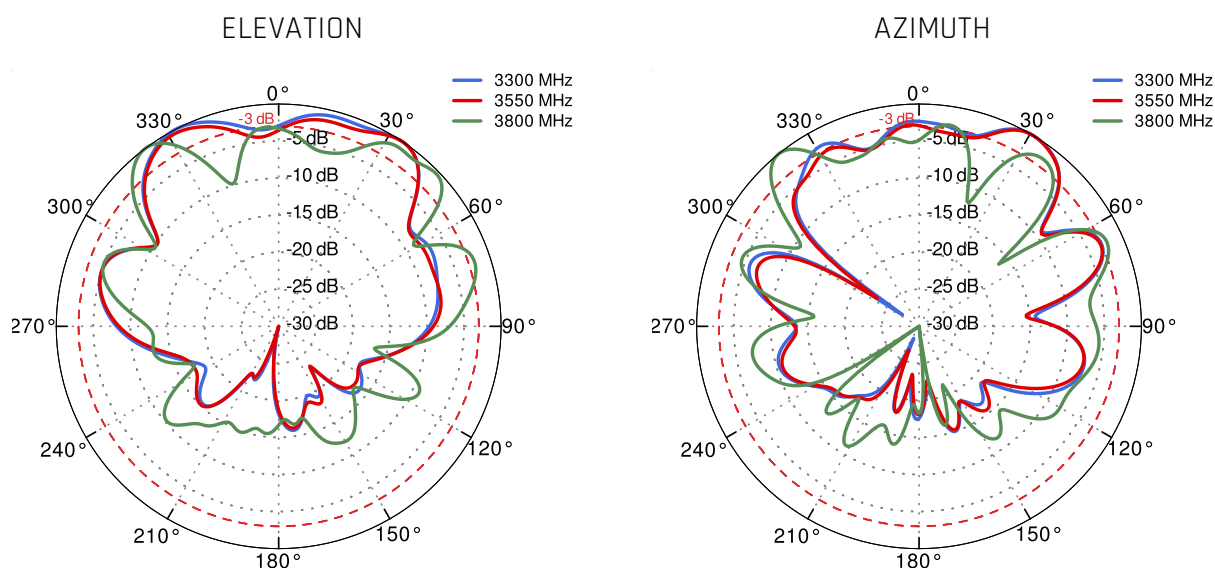
## PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



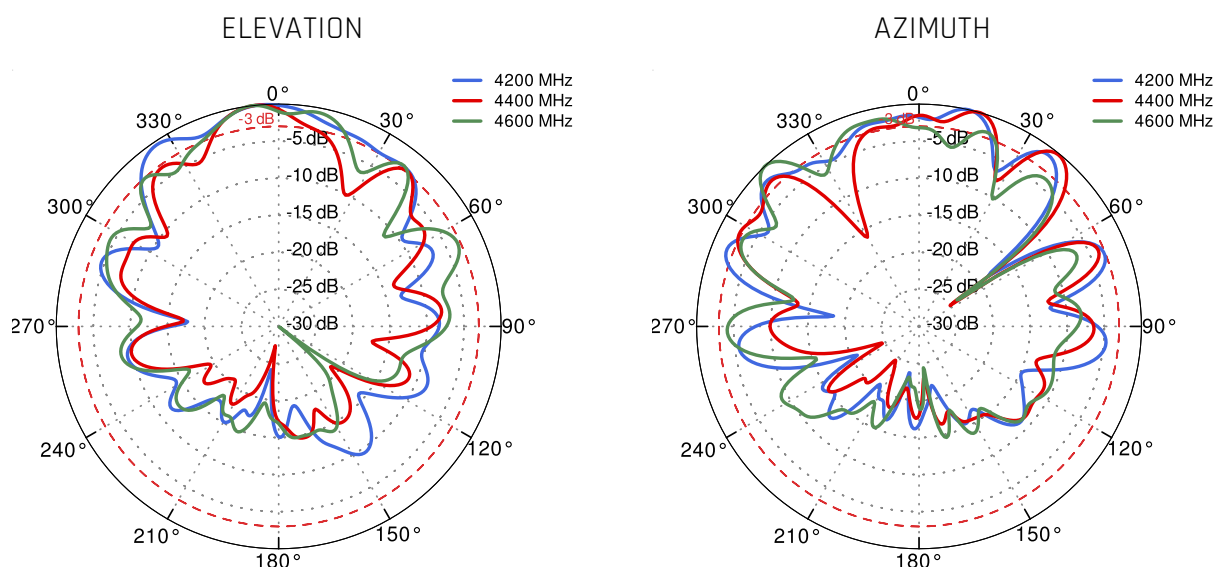
## PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



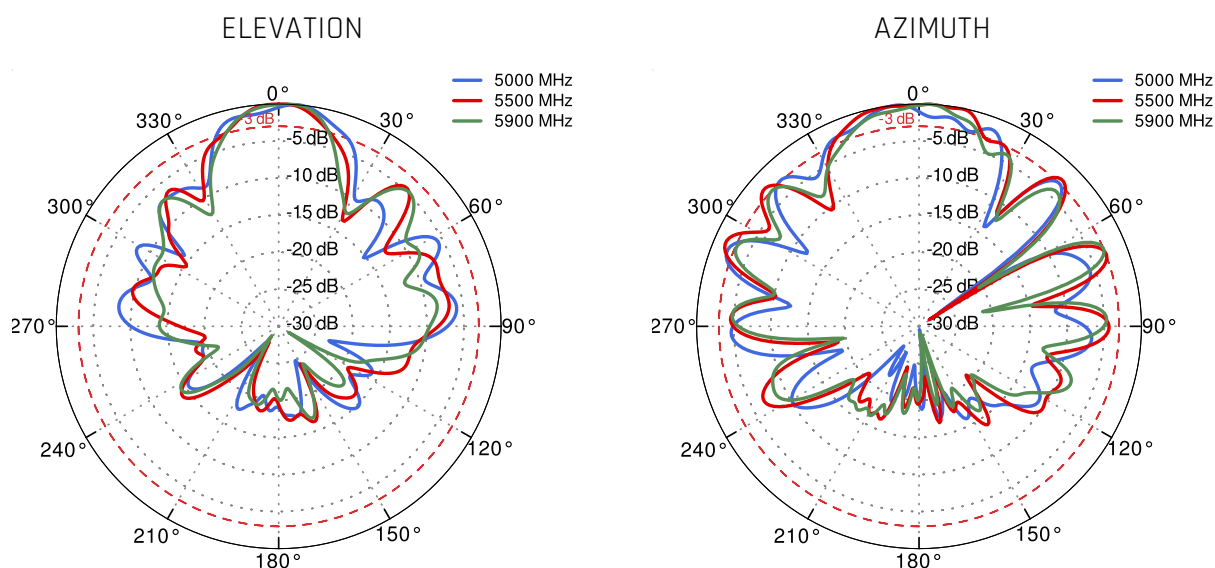
## PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



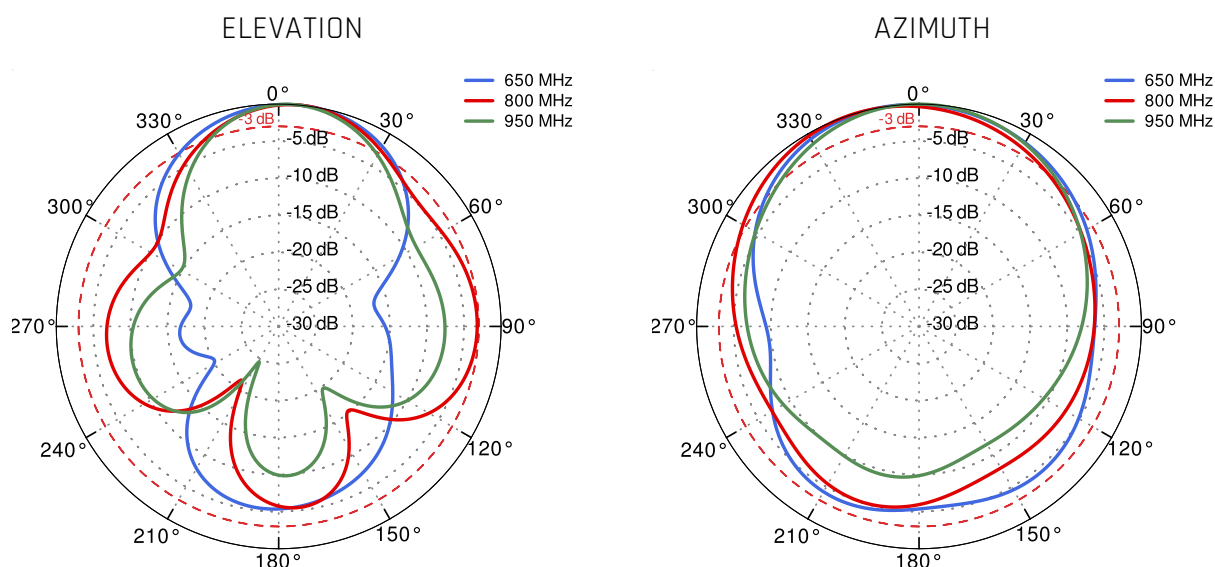
## PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



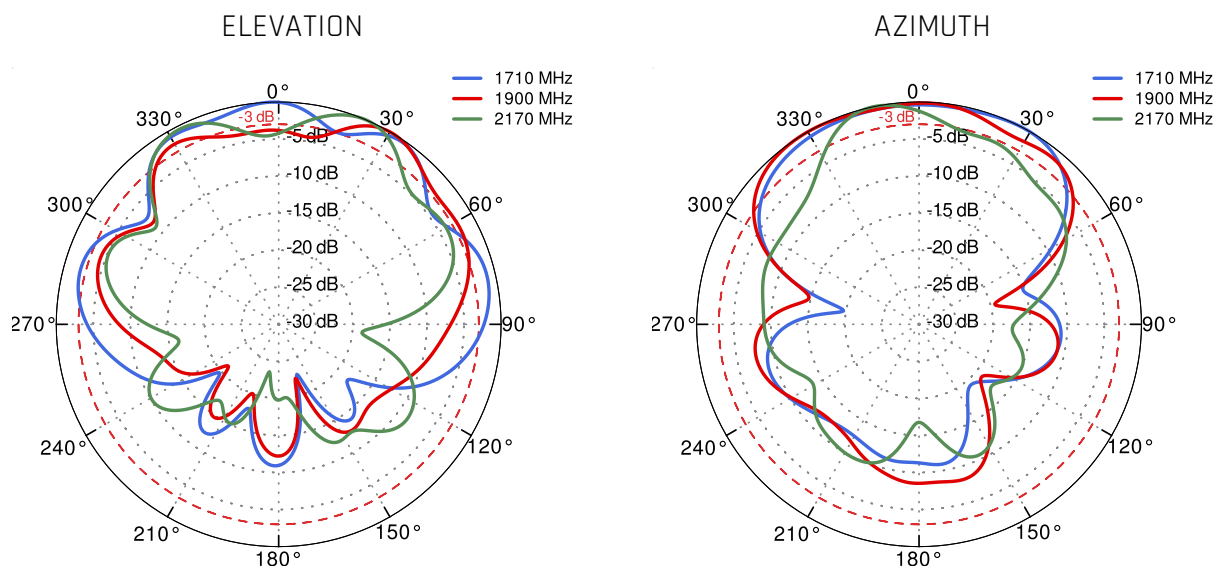
## PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



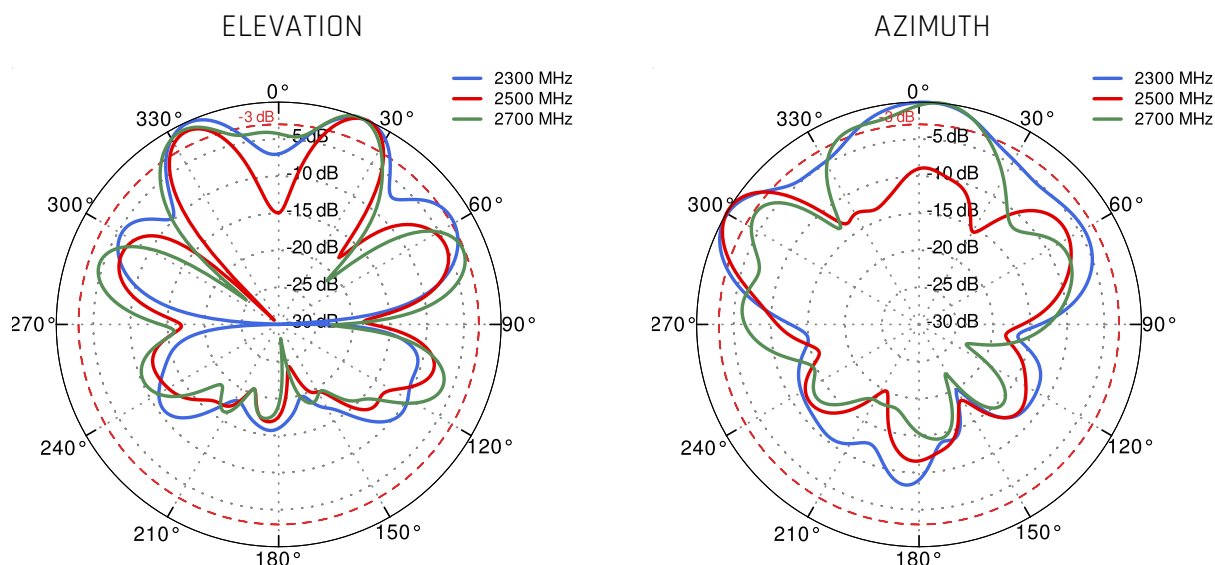
## PORT 2 - 5G/LTE from 650MHz to 950MHz



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

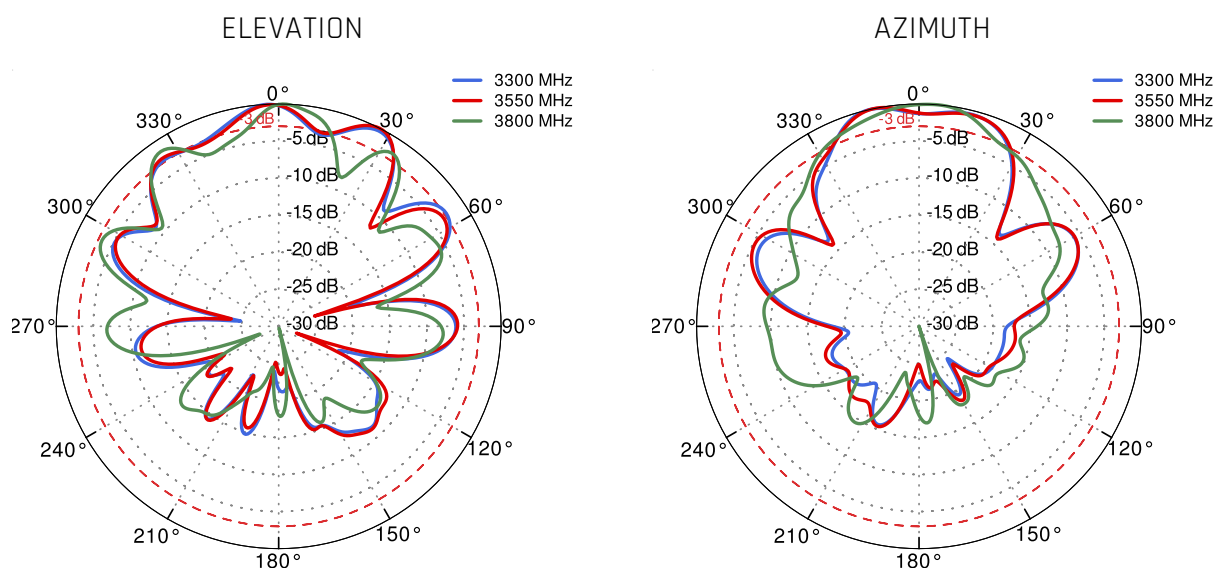


## PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz

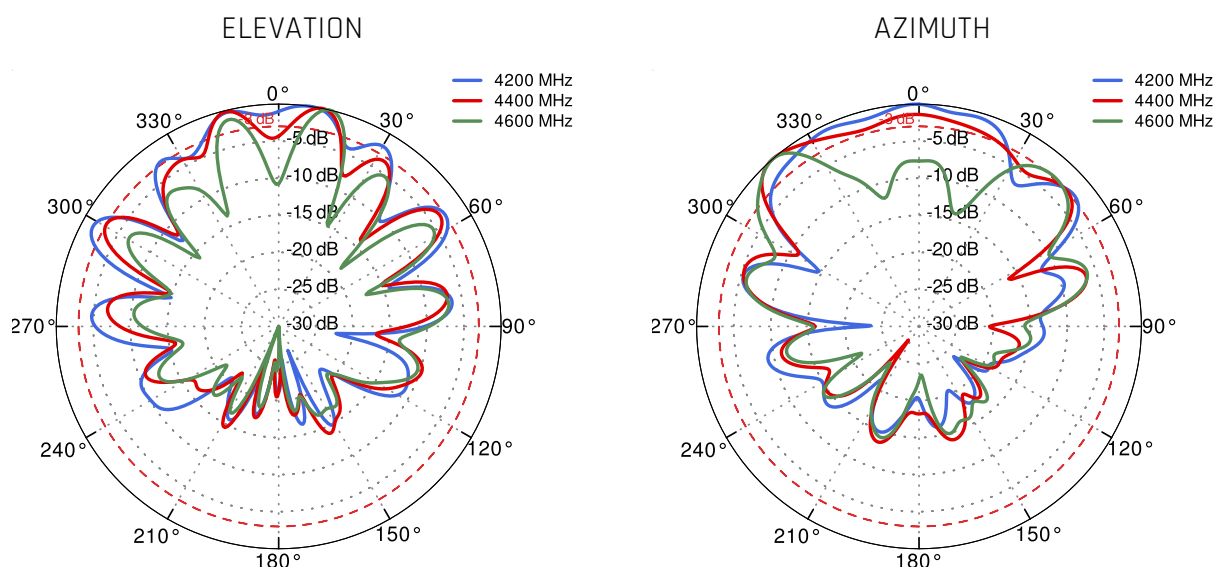




## PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz

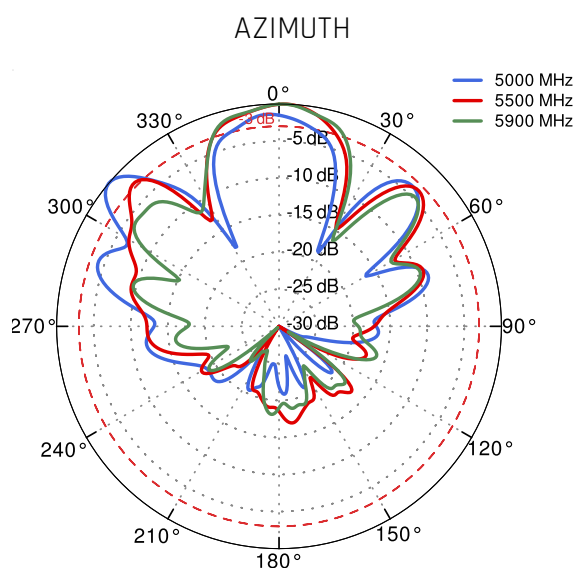
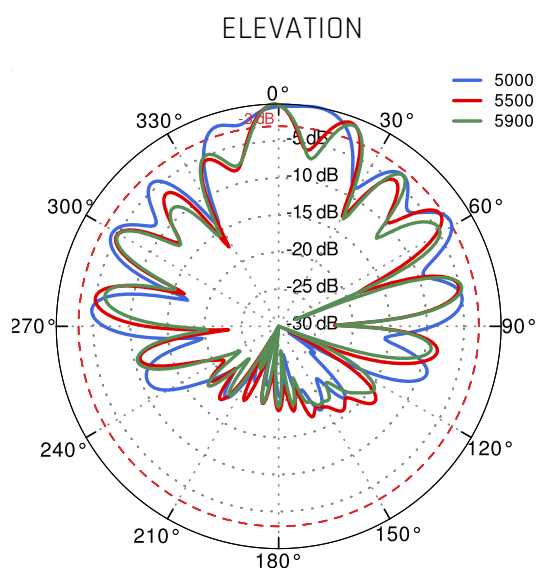


## PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

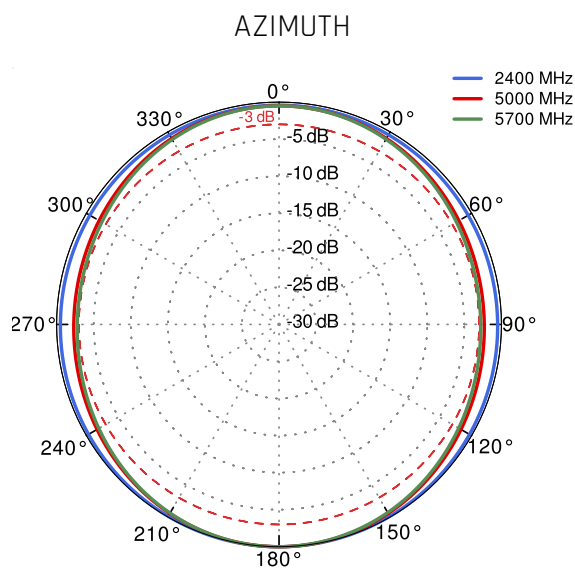
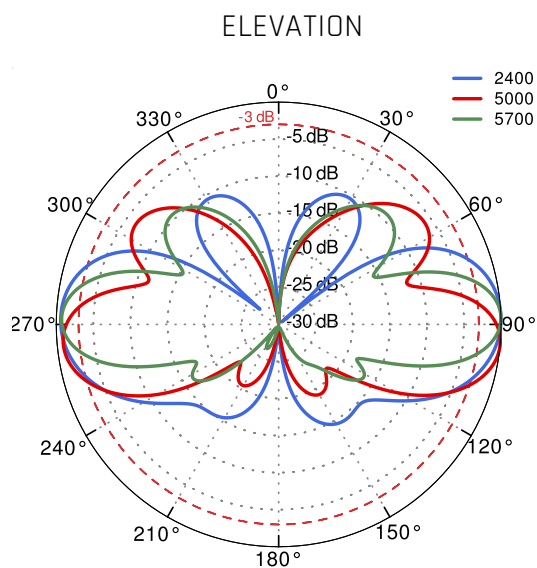




## PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz



## Wi-Fi From 2.4 GHz to 6.5 GHz



## DIMENSIONS

