

# QuMax for Robustel R5010

## INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + PLACE TO INSTALL ROBUSTEL R5010 (ALL-IN-ONE)

QuMax antenna for Robustel R5010 router is a perfect outdoor device for improving the signal in rural/suburban and locations where the mobile signal is weak. It has embedded directional 5G/LTE antenna. If you use R5010 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

**5G****4x4 MIMO****617-6000MHz****6 dBi****DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



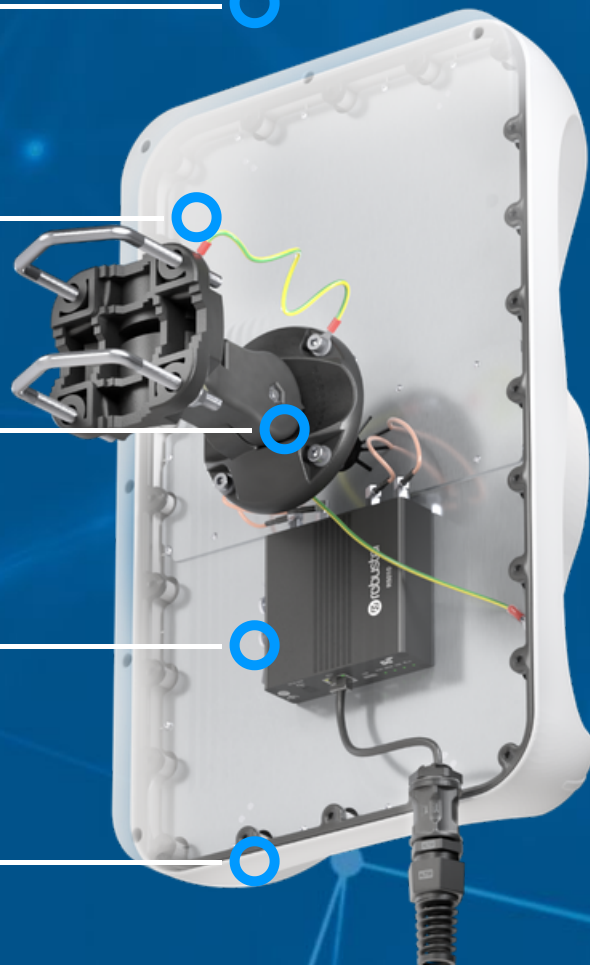
ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R5010



ALL ANTENNAS AND ROBUSTEL GATEWAY INTEGRATED IN ONE ENCLOSURE



MADE IN **EUROPE**



## 5G/LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
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, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	0.617 - 0.96 GHz: 6 dBi 1.7 - 2.7 GHz: 7 dBi 3.3 - 4.6 GHz: 7 dBi 4.7 - 6.0 GHz: 5.5 dBi
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

## 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
	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						
617 MHz							6000 MHz

**5G**

617  
MHz

6000  
MHz

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

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n86

n89

n90

n95

n97

n98

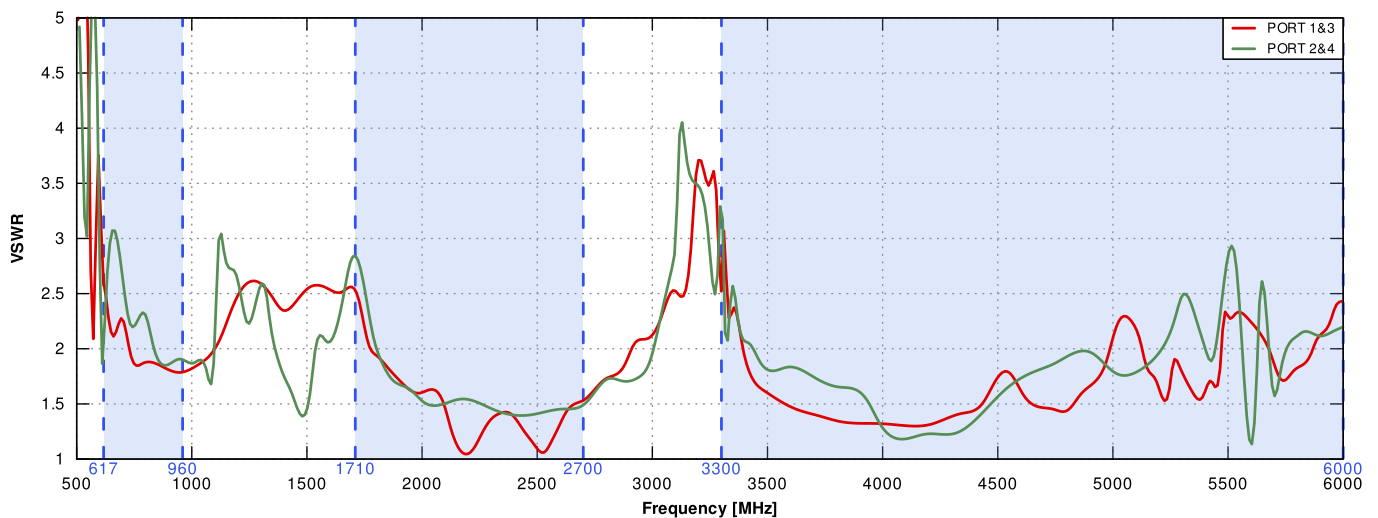
n100

n101

n256

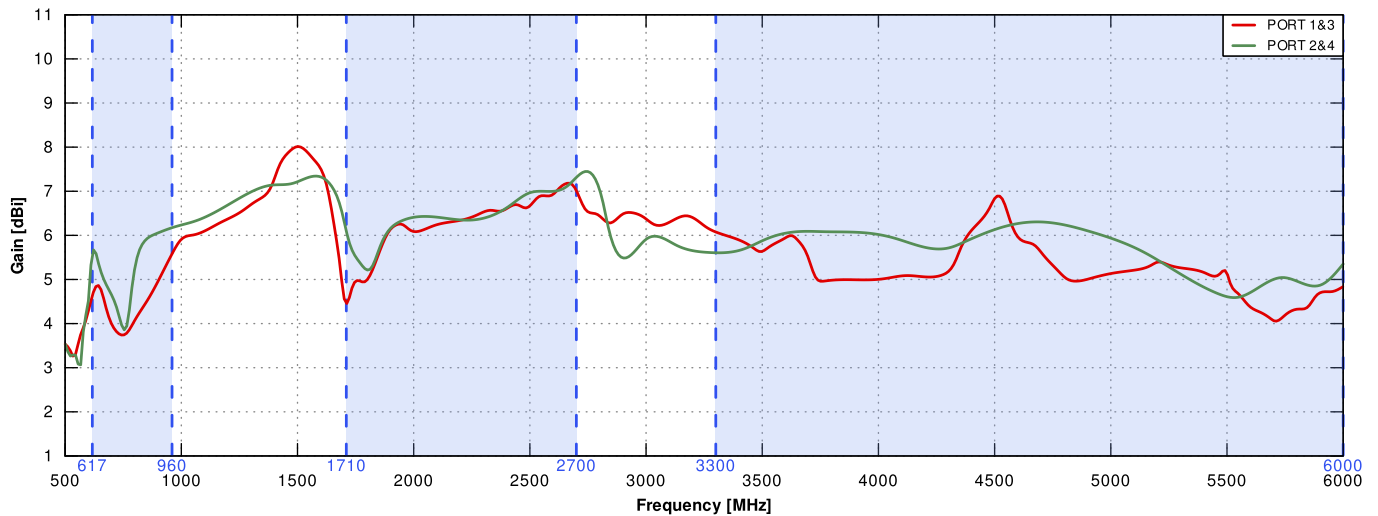
## PLOTS

5G/LTE VSWR

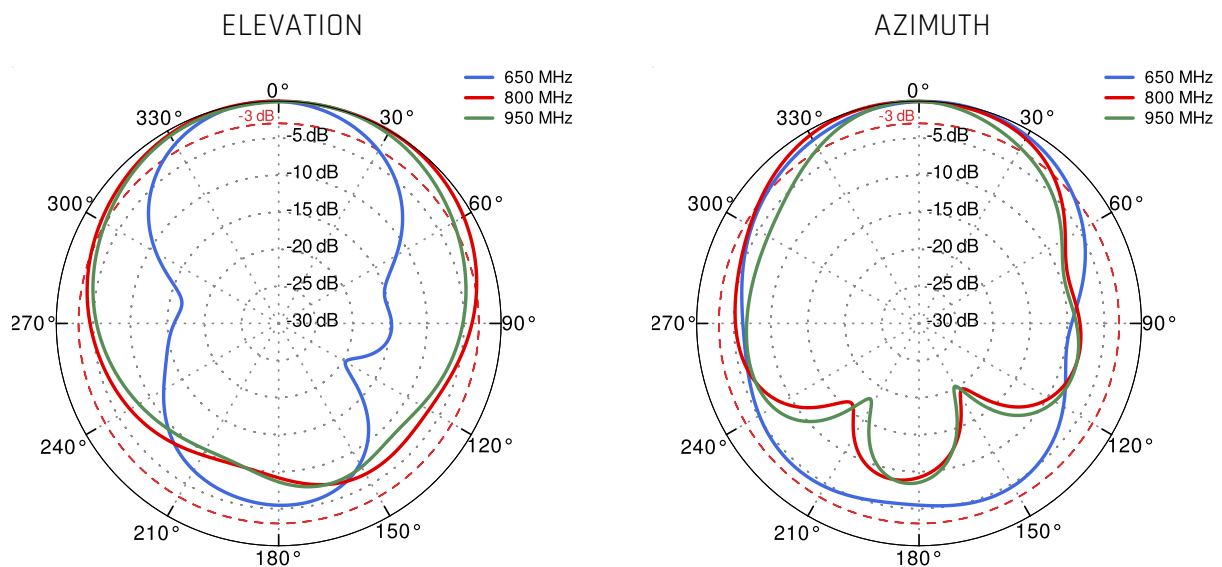




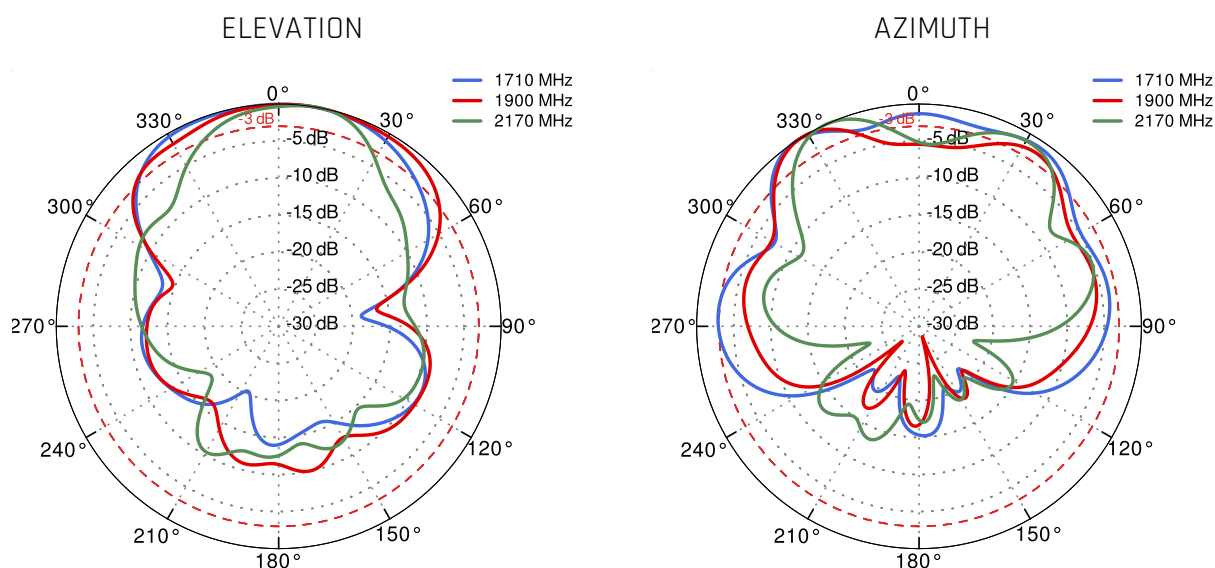
## 5G/LTE Gain



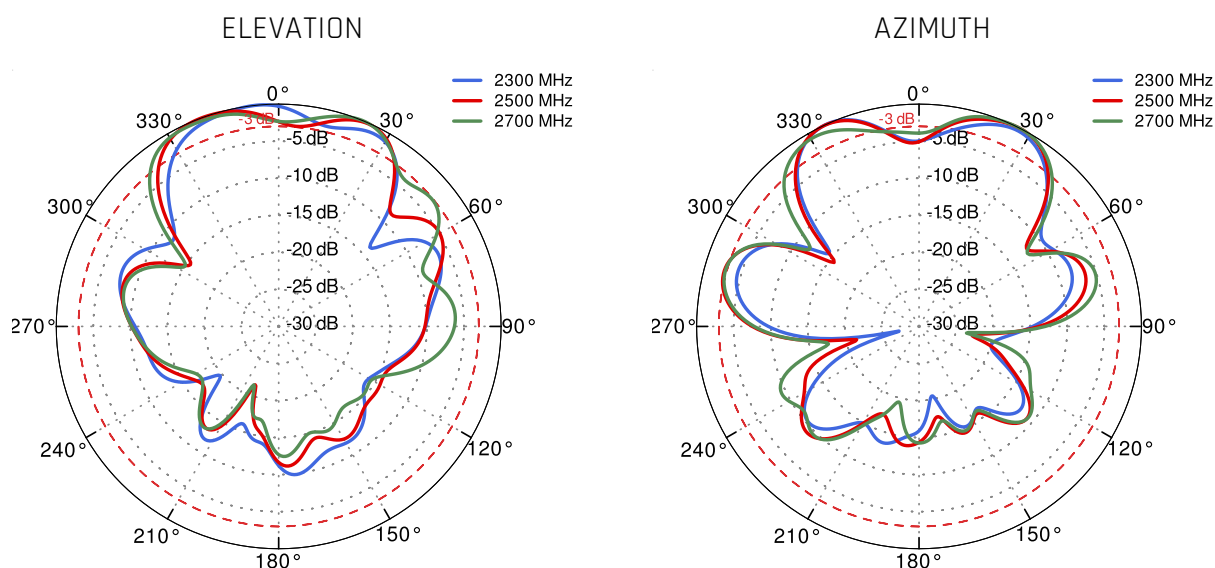
## PORT 1&3 - 5G/LTE From 650MHz to 950MHz



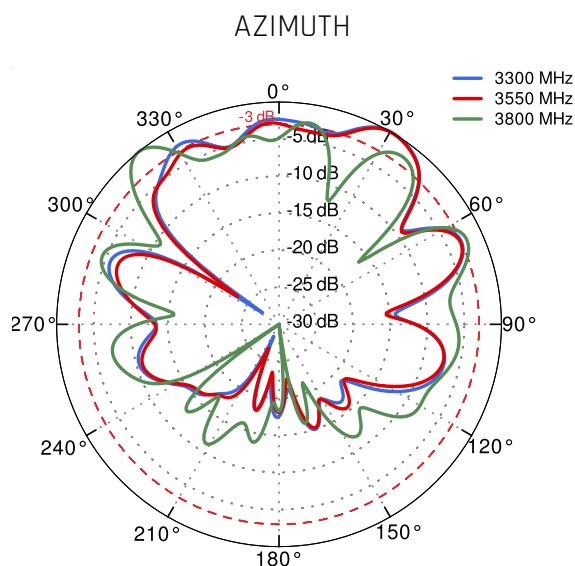
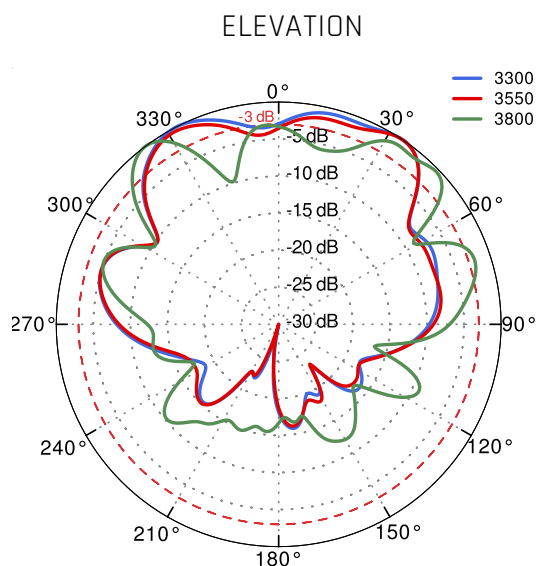
## PORT 1&3 - 5G/LTE From 1.71GHz to 2.17GHz



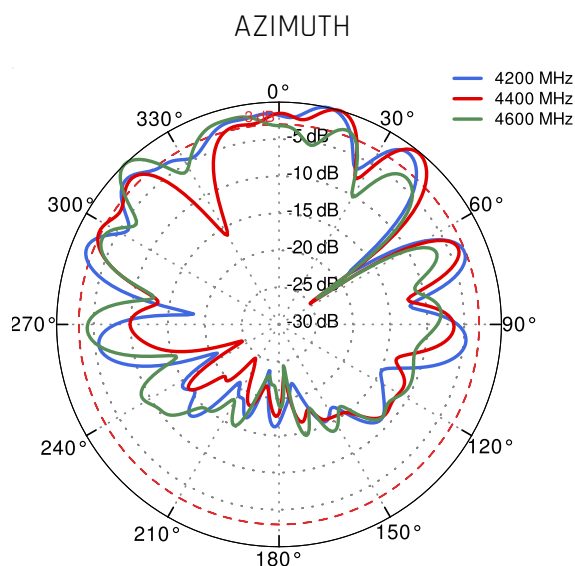
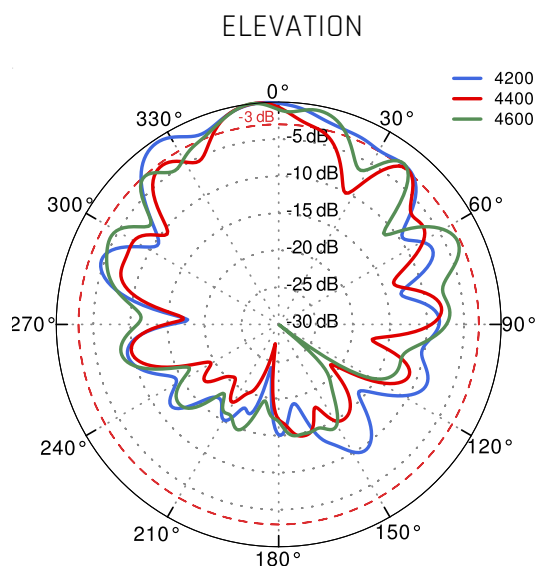
## PORT 1&3 - 5G/LTE From 2.3GHz to 2.7GHz



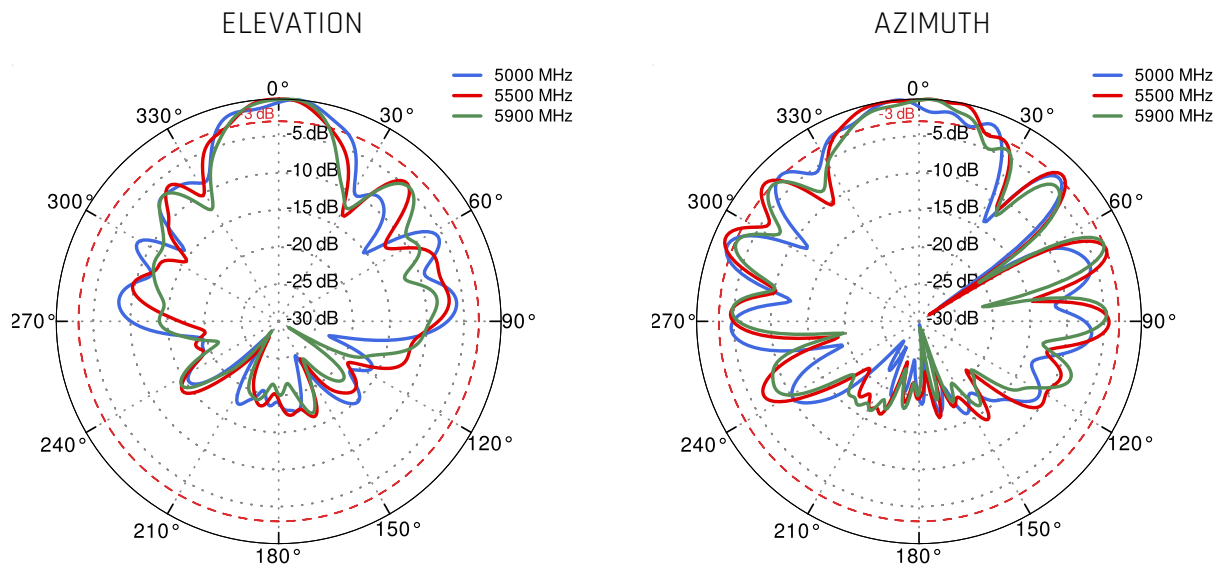
## PORT 1&3 - 5G/LTE From 3.3GHz to 3.8GHz



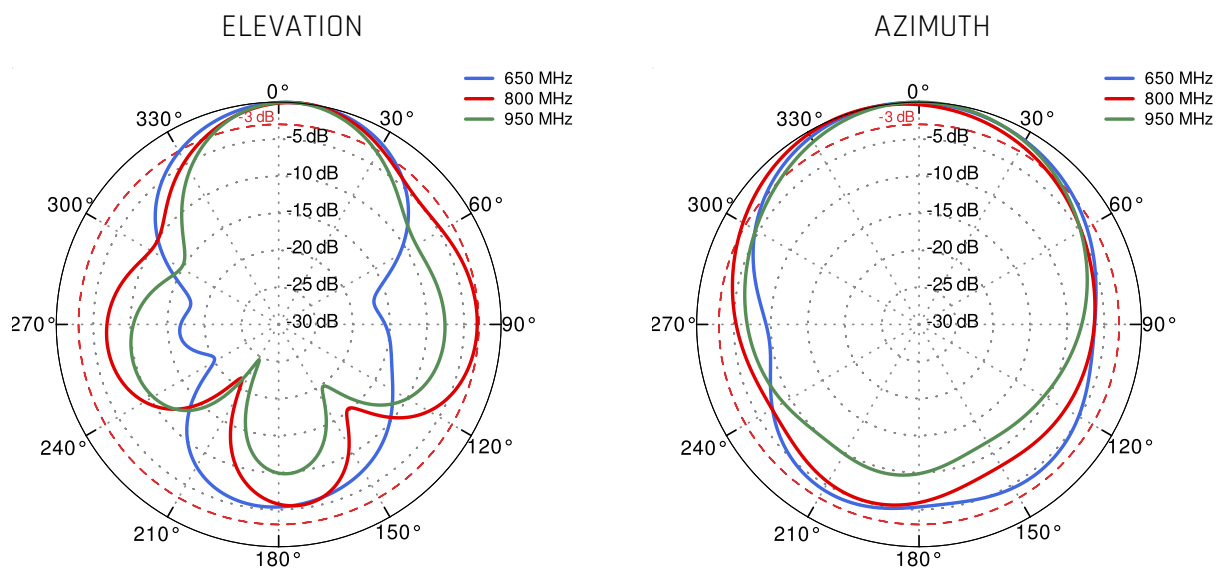
## PORT 1&3 - 5G/LTE From 4.2GHz to 4.6GHz



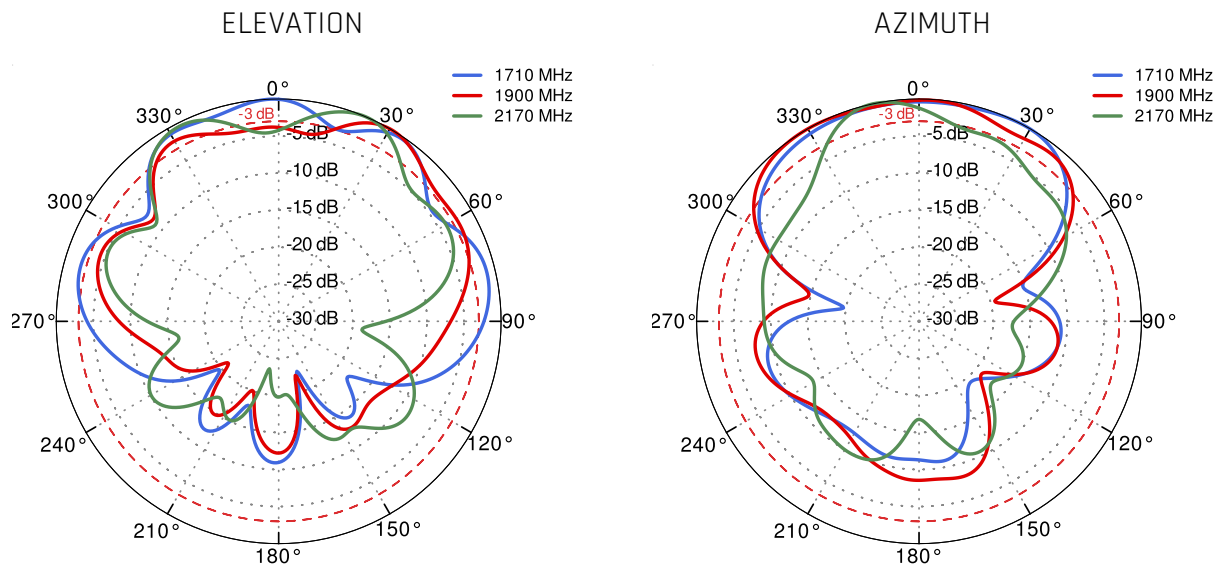
## PORT 1&3 - 5G/LTE From 5.0GHz to 5.9GHz



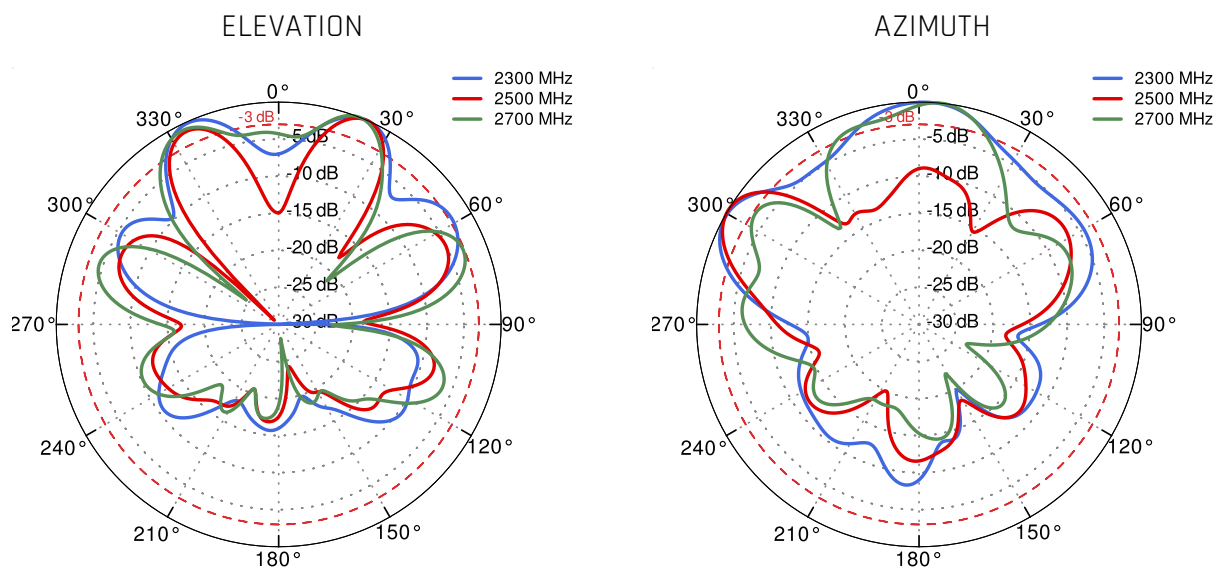
## PORT 2&4 - 5G/LTE From 650MHz to 950MHz



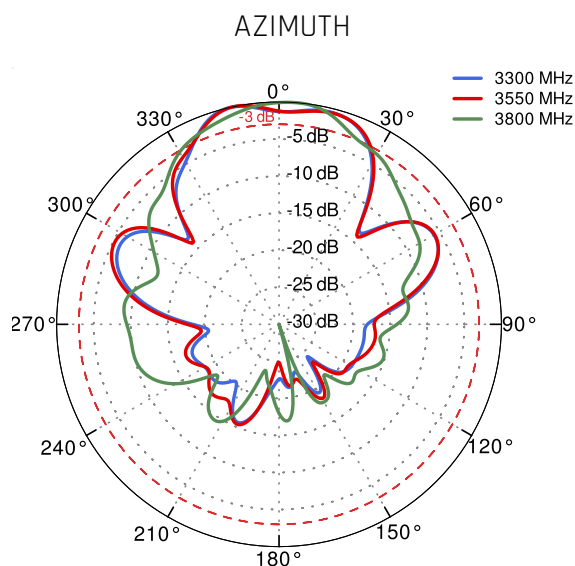
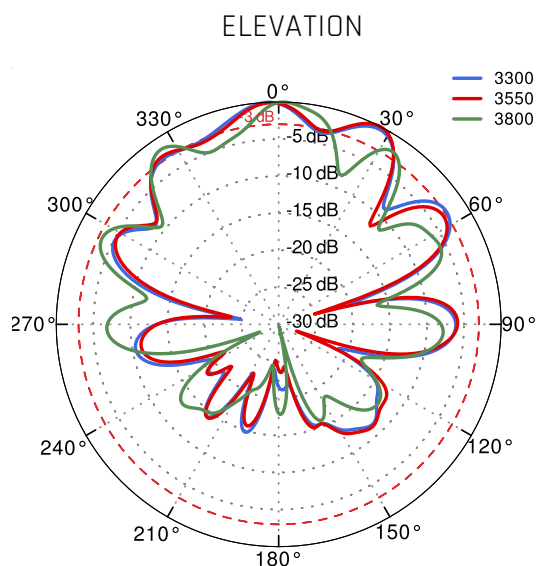
## PORT 2&4 - 5G/LTE From 1.71GHz to 2.17GHz



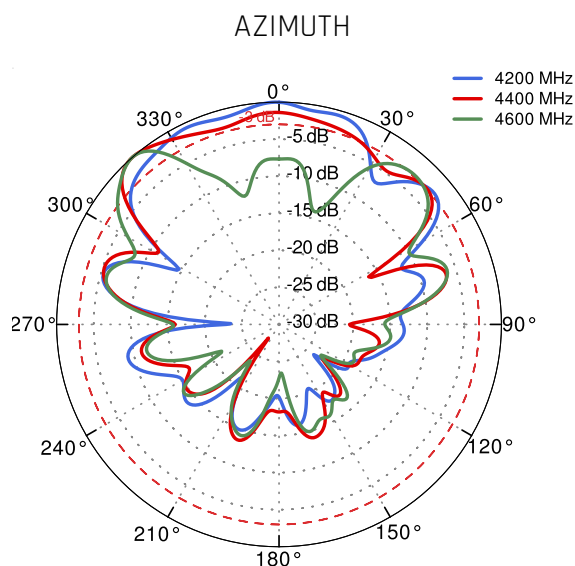
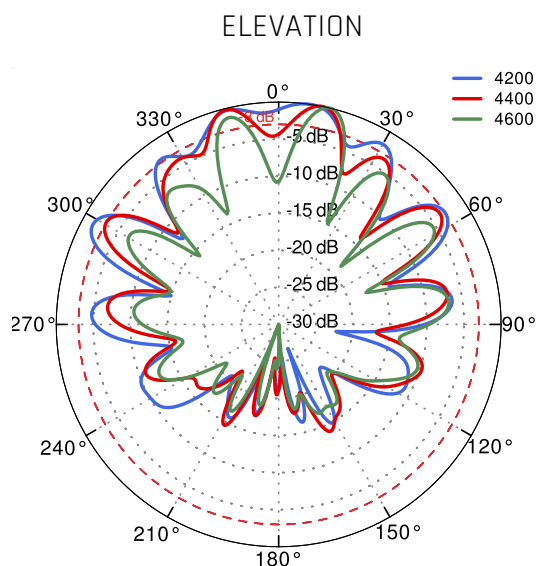
## PORT 2&4 - 5G/LTE From 2.3GHz to 2.7GHz



## PORT 2&4 - 5G/LTE From 3.3GHz to 3.8GHz

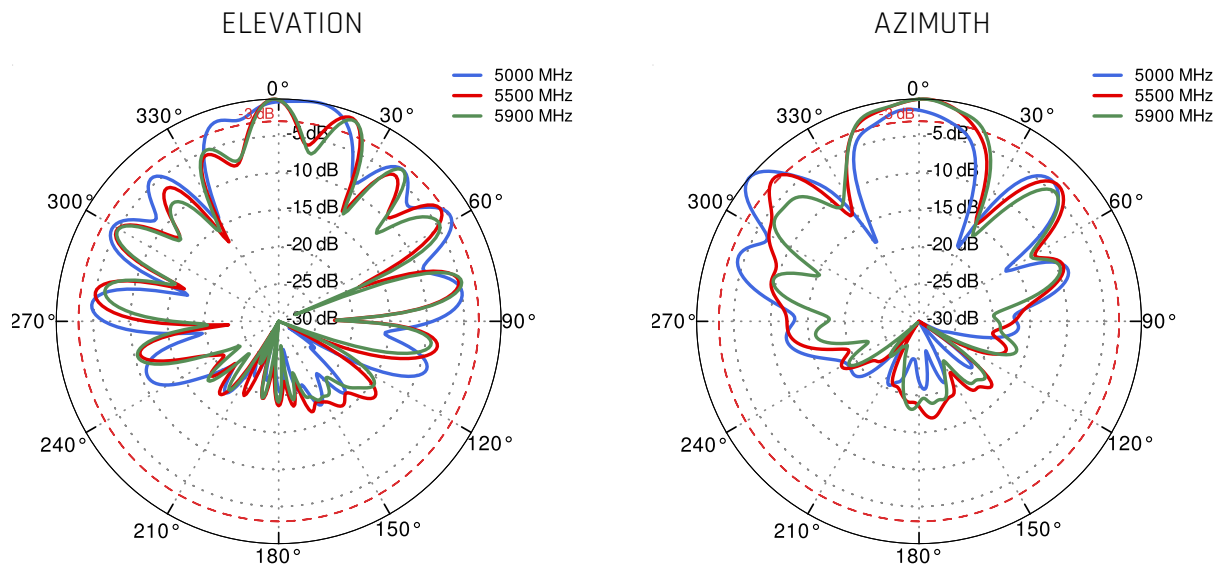


## PORT 2&4 - 5G/LTE From 4.2GHz to 4.6GHz





## PORT 2&4 - 5G/LTE From 5.0GHz to 5.9GHz



## DIMENSIONS

