

# QuMax for DIGI IX10

## INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + POE SPLITTER + PLACE TO INSTALL DIGI IX10 (ALL-IN-ONE)

QuMax antenna for **DIGI IX10** 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 antenna. If you use IX10 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

The set contains a [Passive PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection.

**5G****BAND 71****2x2 MIMO****617-6000MHz****7 dBi****DIRECTIONAL****IP 68****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



ANTENNA PERFECTLY MATCHED WITH THE DIGI IX10



ALL ANTENNAS AND DIGI 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 $\Omega$

## 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	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	6000 MHz
	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								

**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

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n80

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n95

n97

n98

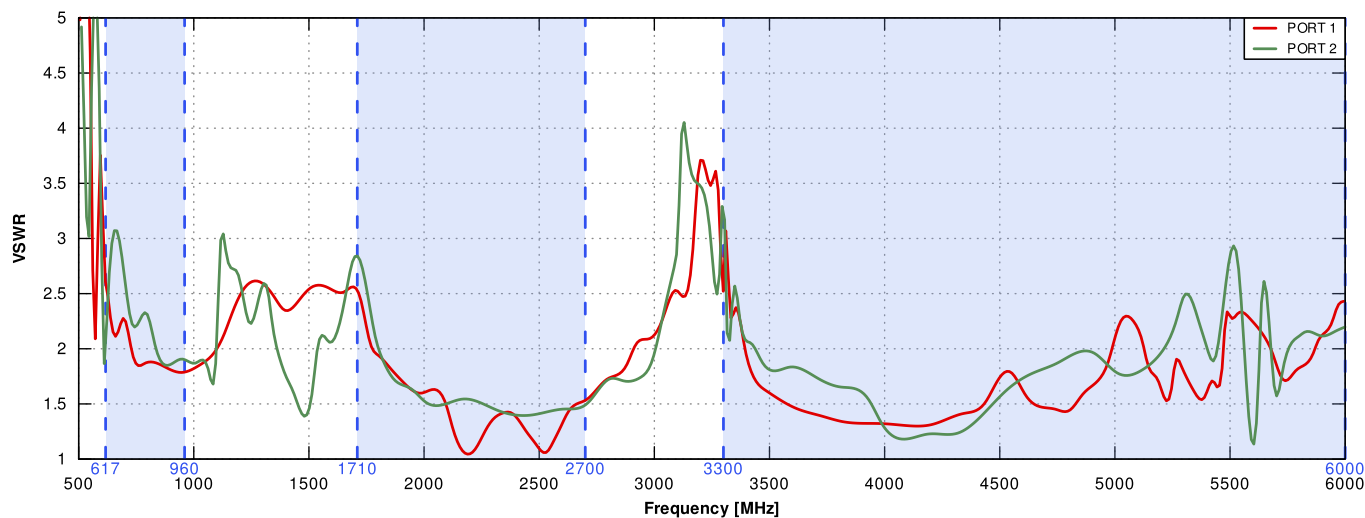
n100

n101

n256

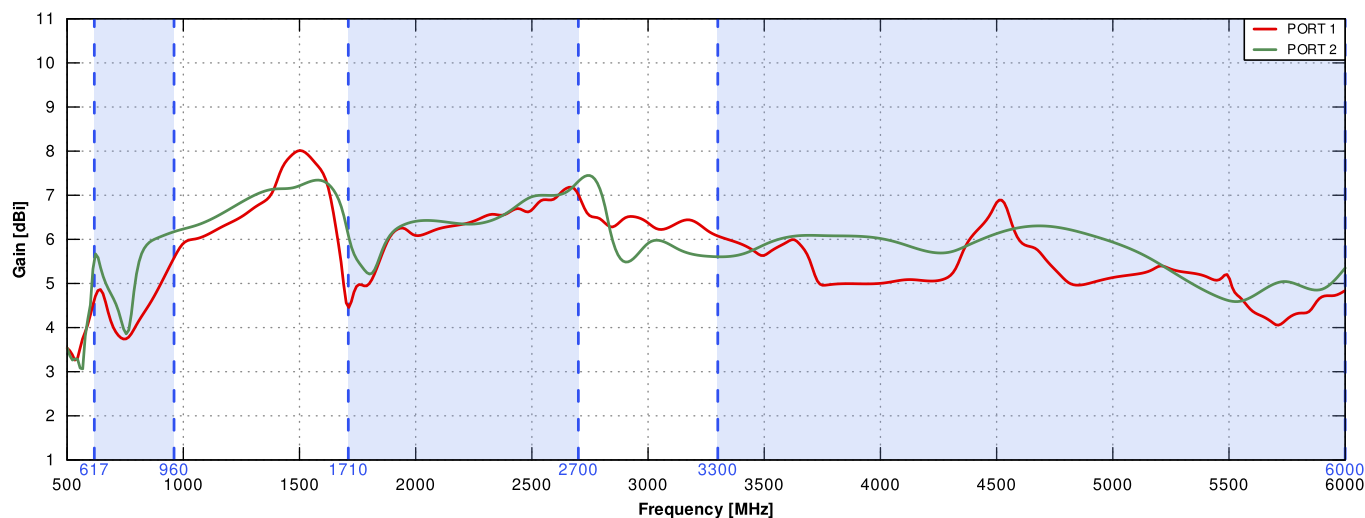
## PLOTS

LTE VSWR

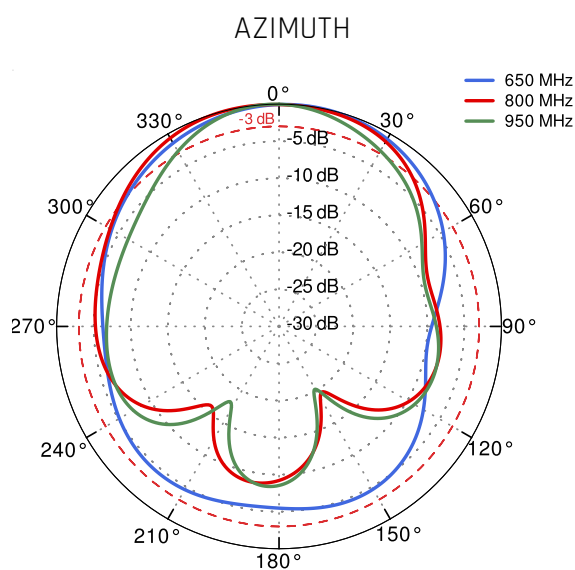
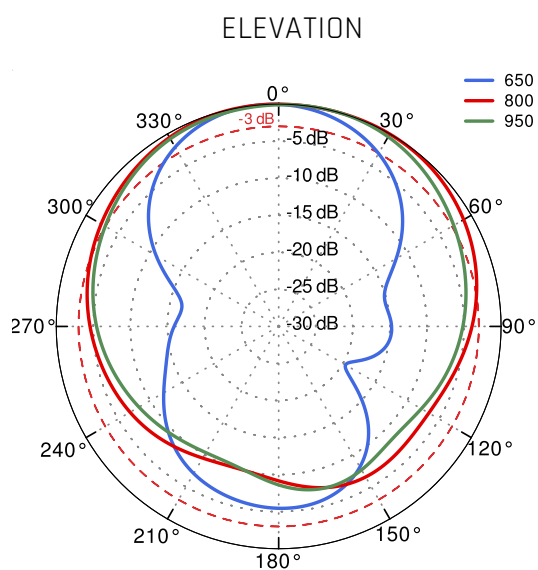




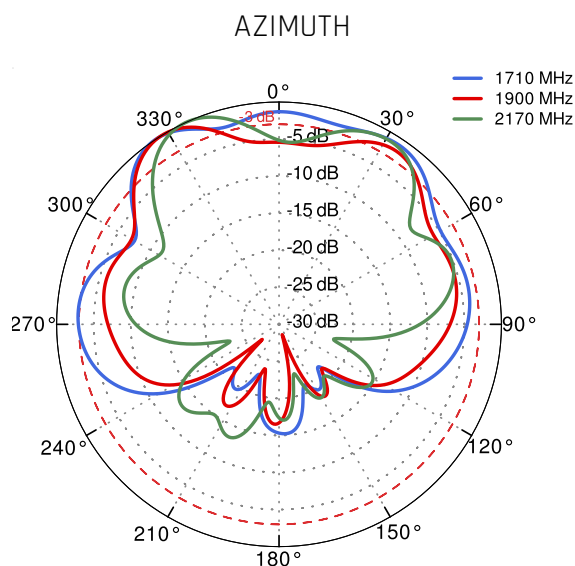
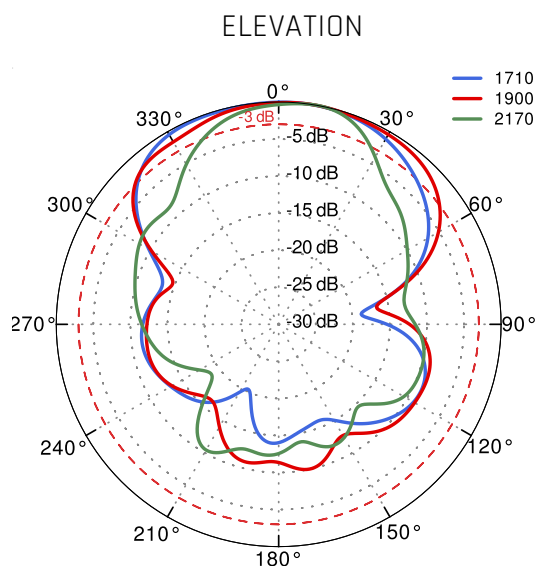
## LTE Gain



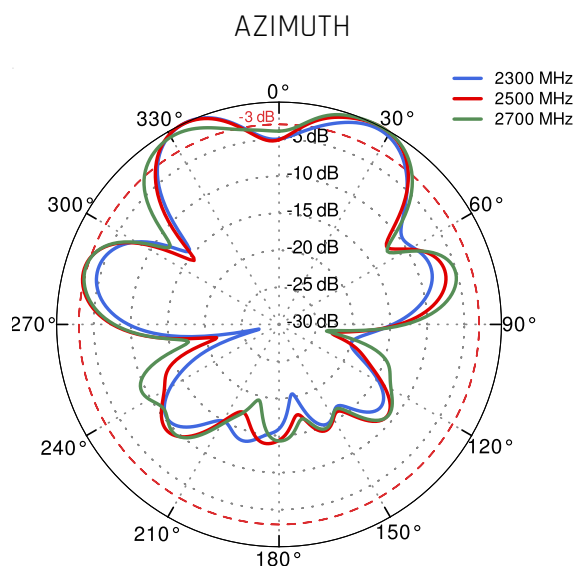
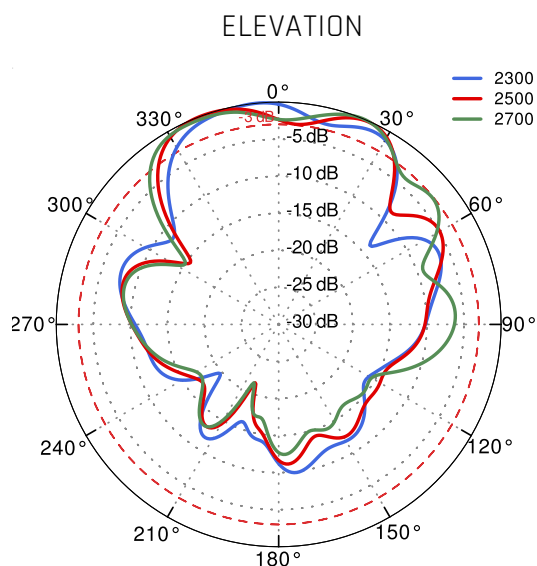
## PORT 1 - 5G/LTE from 650MHz to 950MHz



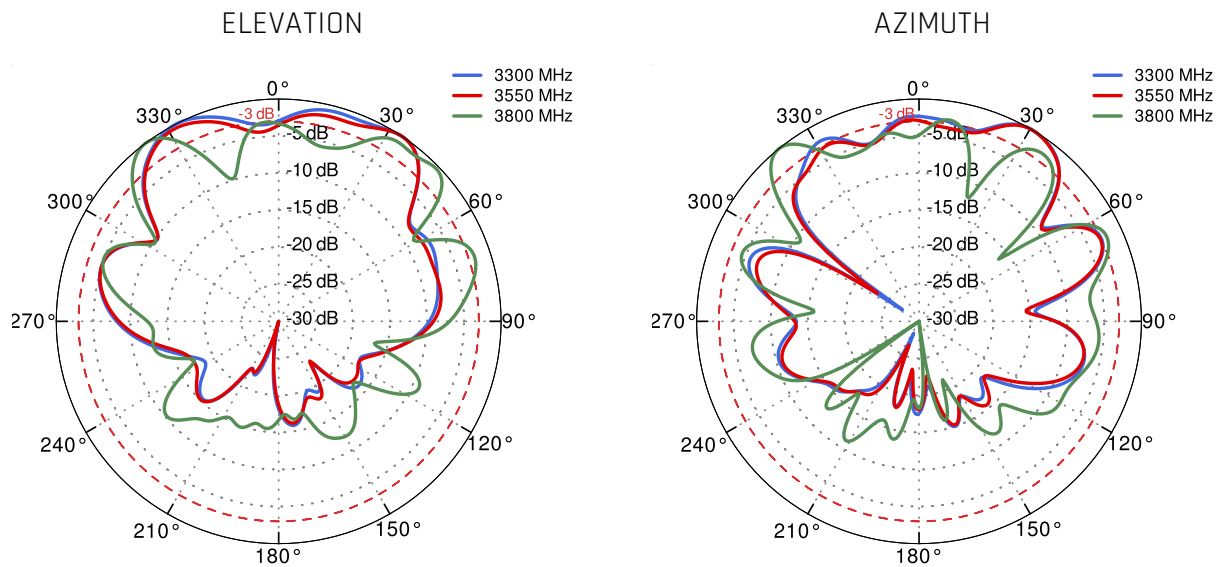
## PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



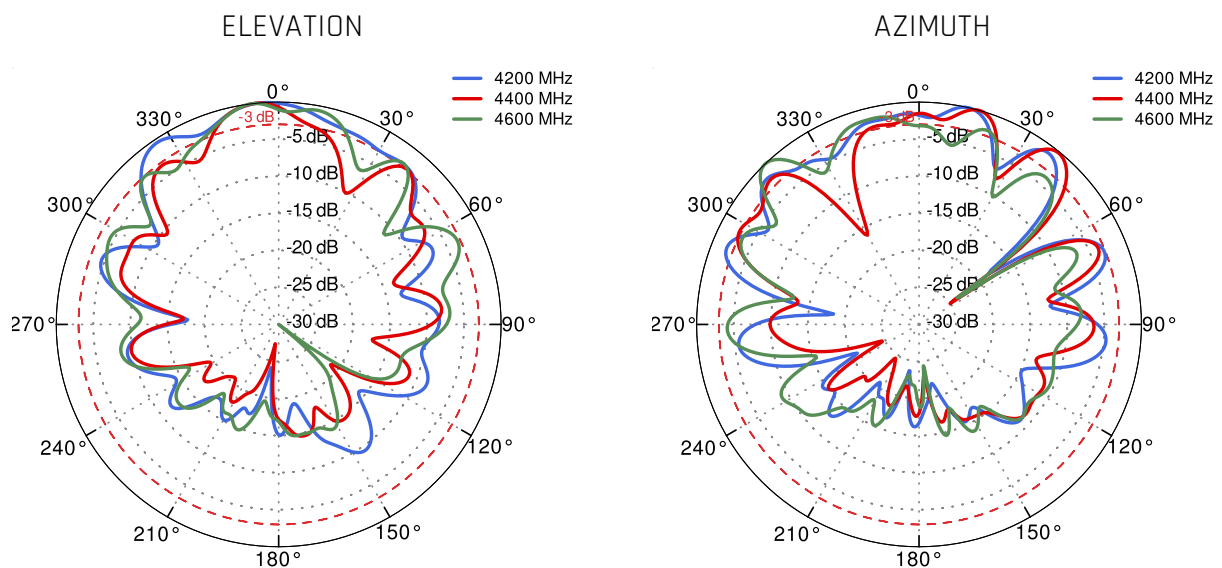
## PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



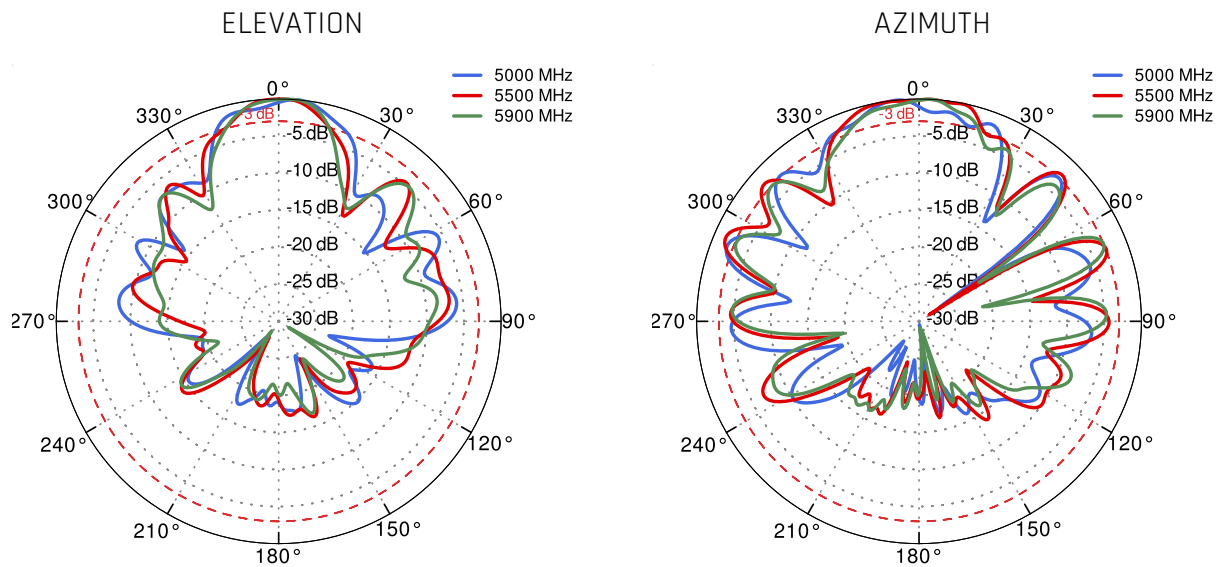
## PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



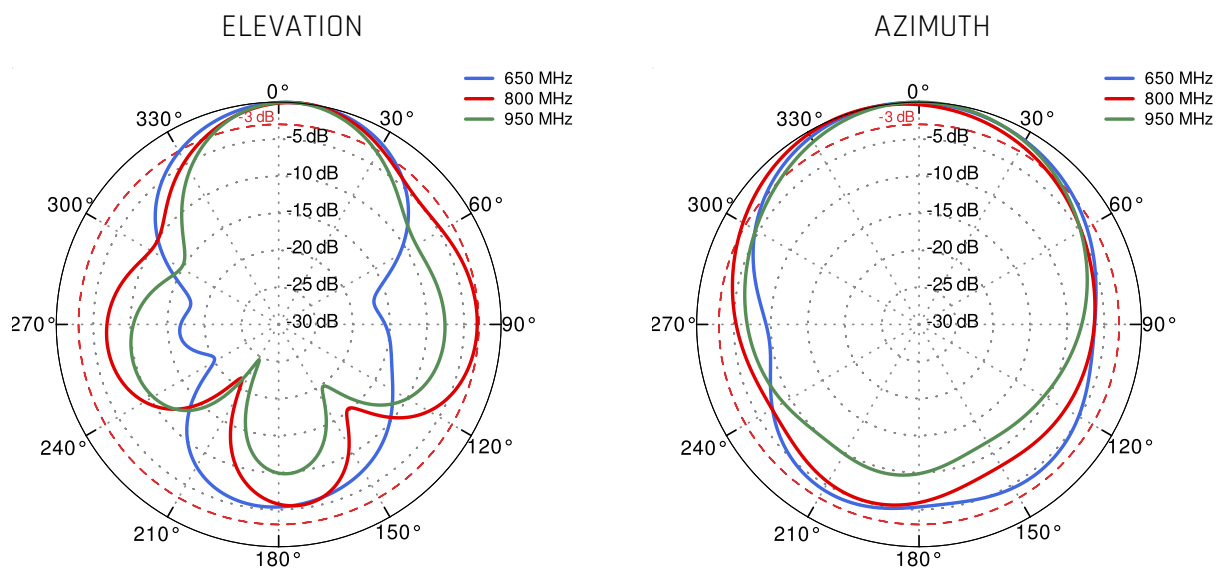
## PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



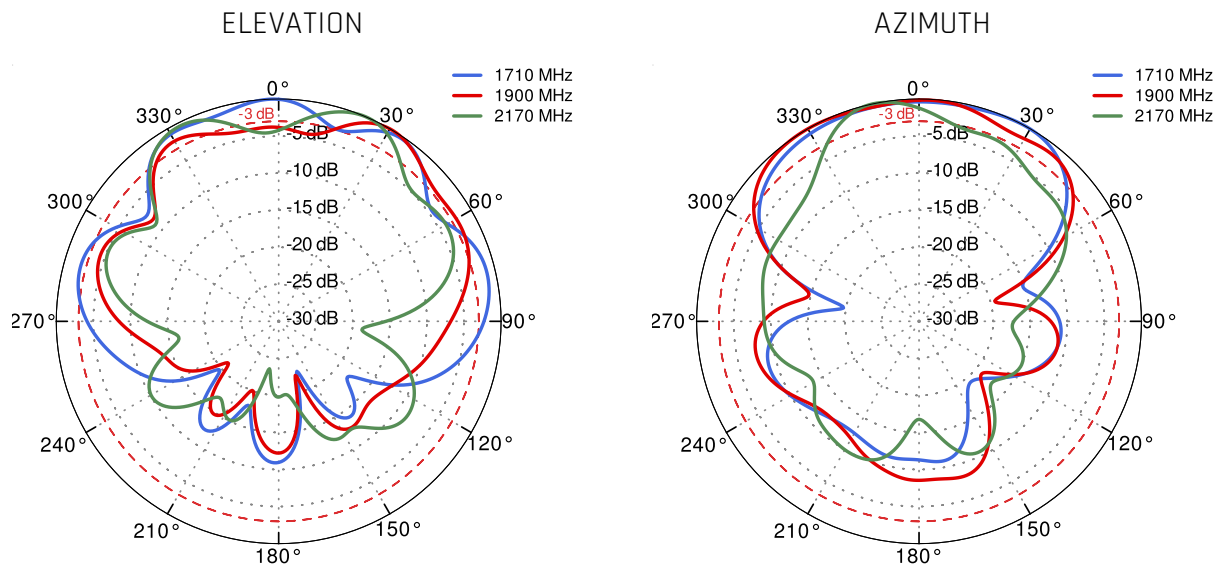
## PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



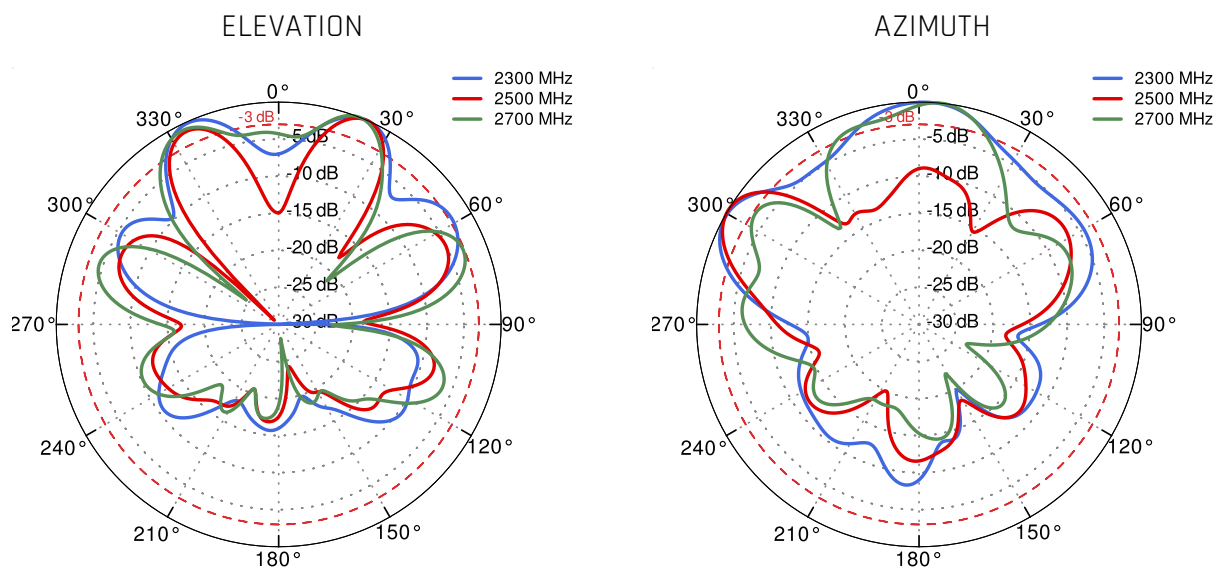
## PORT 2 - 5G/LTE from 650MHz to 950MHz



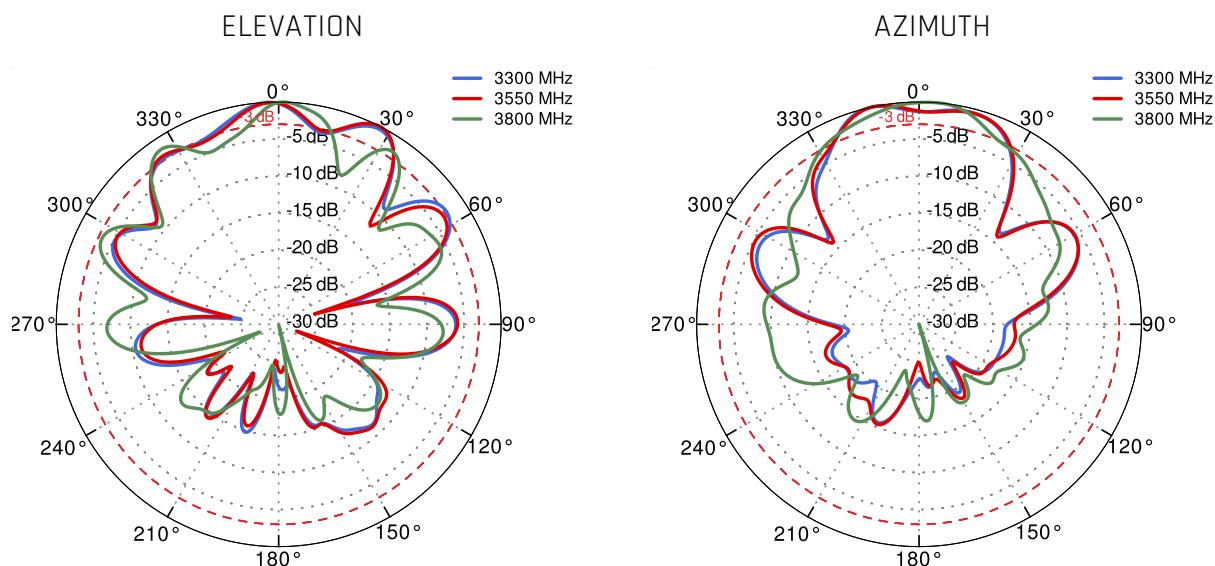
## PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



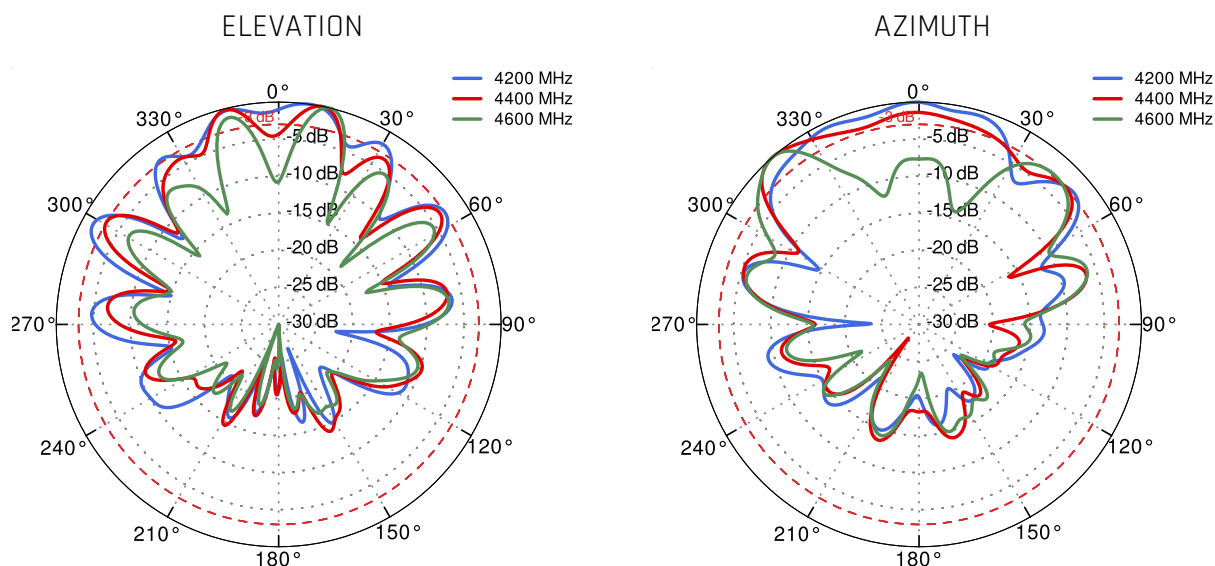
## PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



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

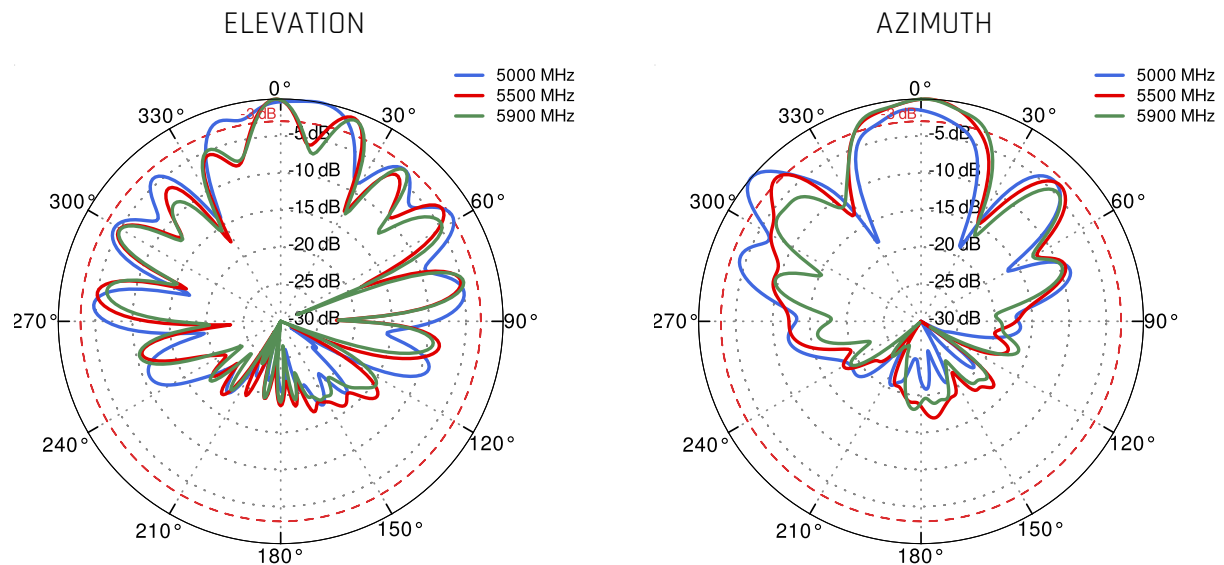


## PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz





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



## DIMENSIONS

