

# QuMax for DIGI EX50

## INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + PLACE TO INSTALL DIGI EX50 (ALL-IN-ONE)

QuMax antenna for DIGI EX50 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 antennas. If you use EX50 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 68****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



ANTENNA PERFECTLY MATCHED WITH THE DIGI EX50



ALL ANTENNAS AND DIGI ROUTER 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	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 175 mm 19.13 x 11.50 x 6.87 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	
	45	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

n53

n65

n66

n67

n71

n77

n78

n80

n81

n82

n83

n84

n85

n86

n89

n90

n95

n97

n98

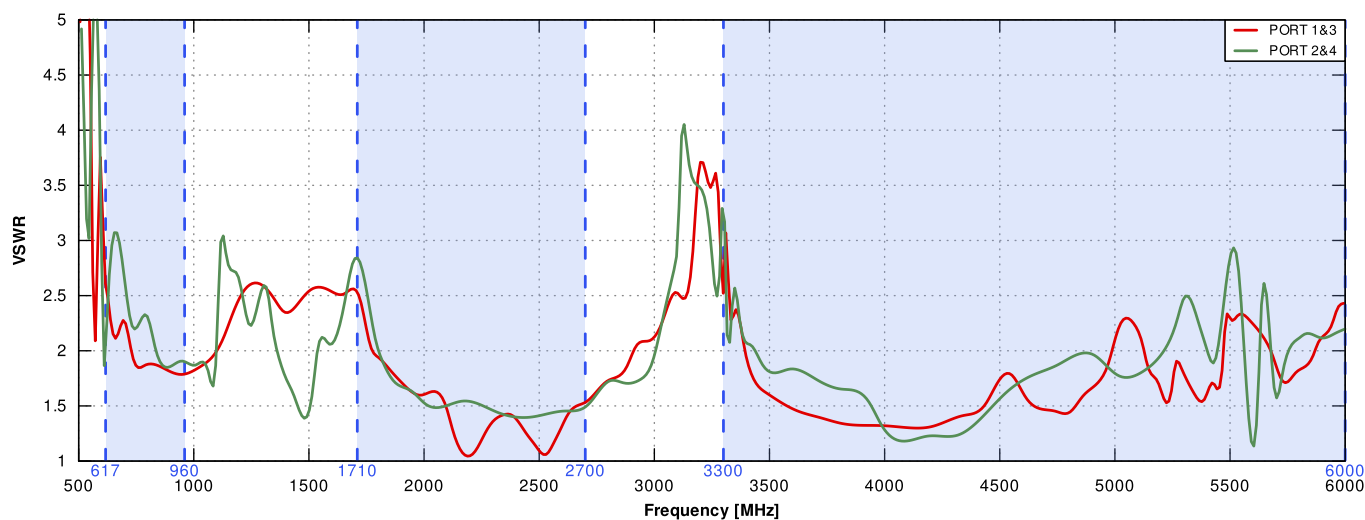
n100

n101

n256

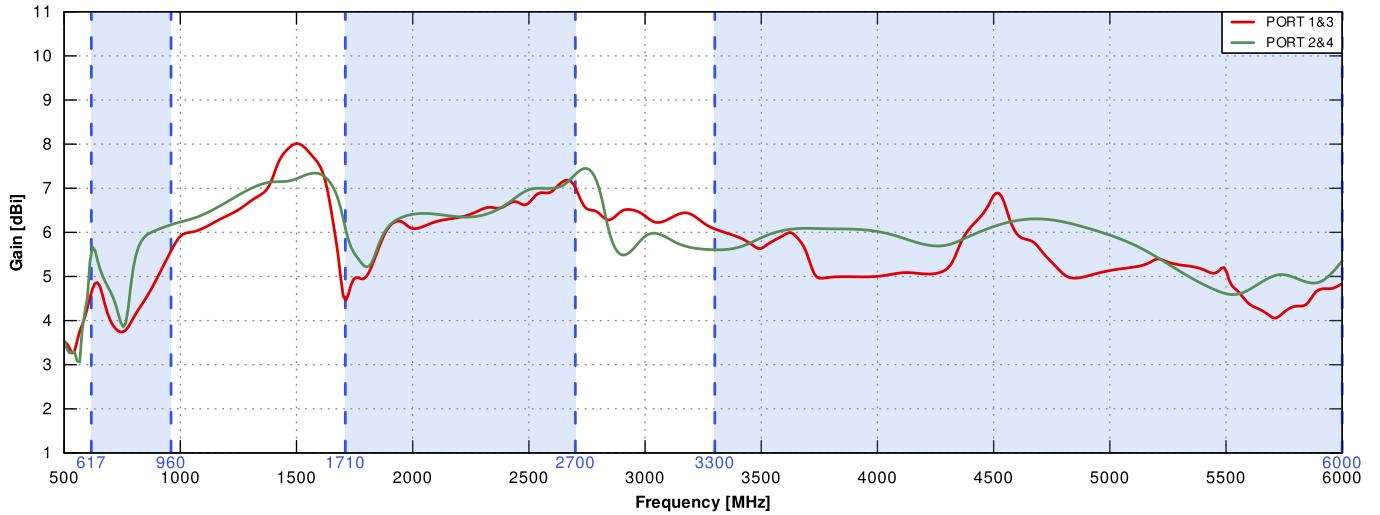
## PLOTS

5G/LTE VSWR

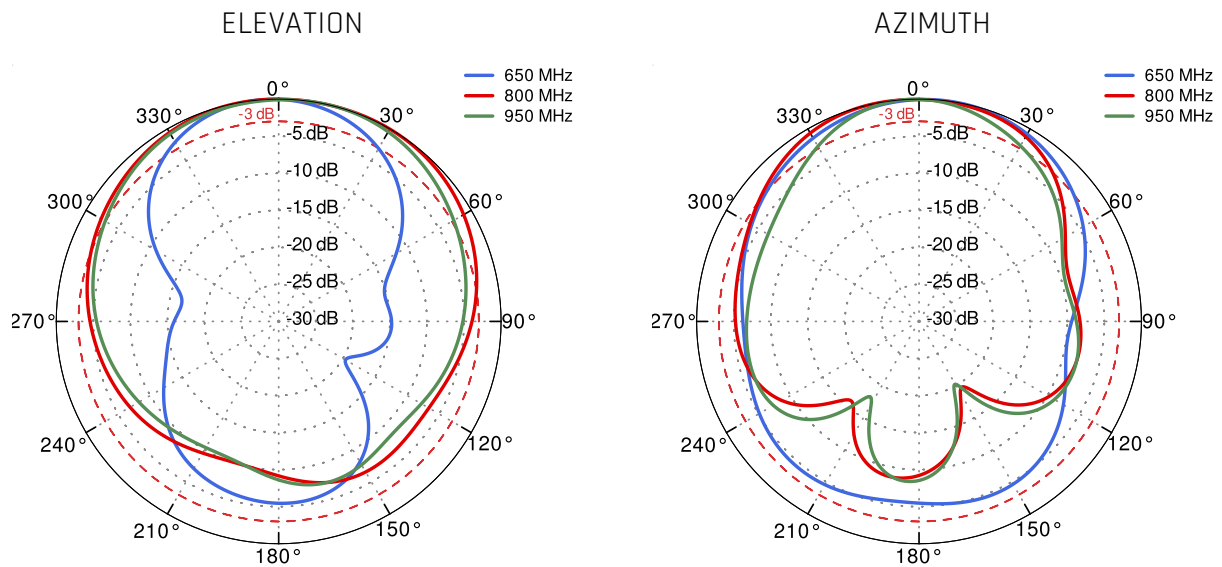




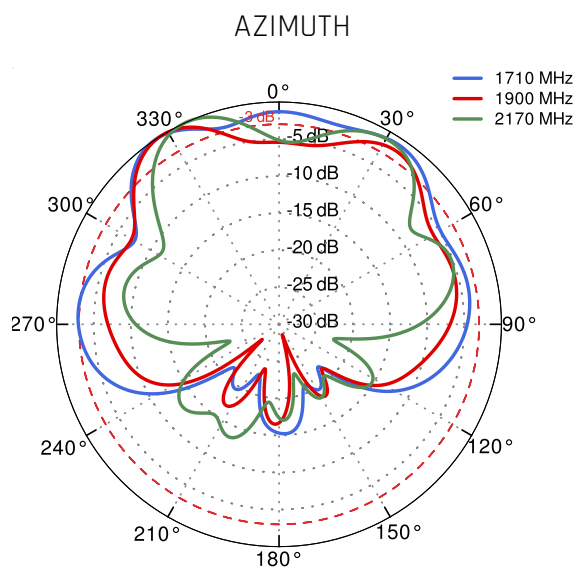
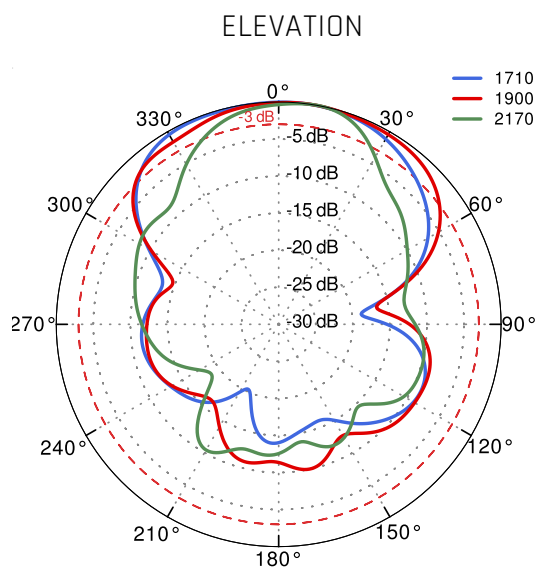
## 5G/LTE Gain



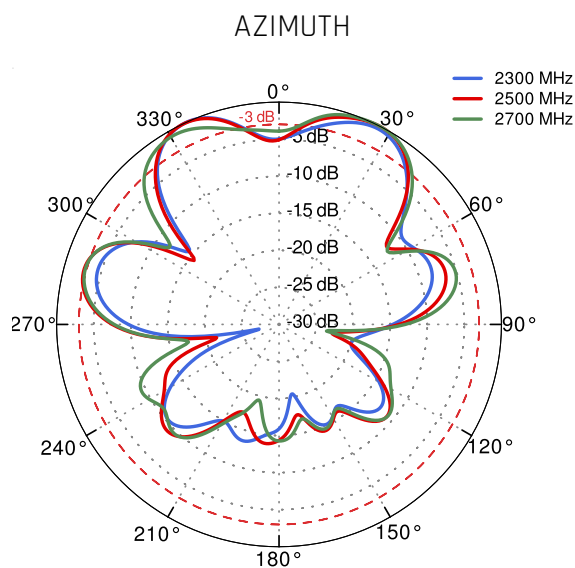
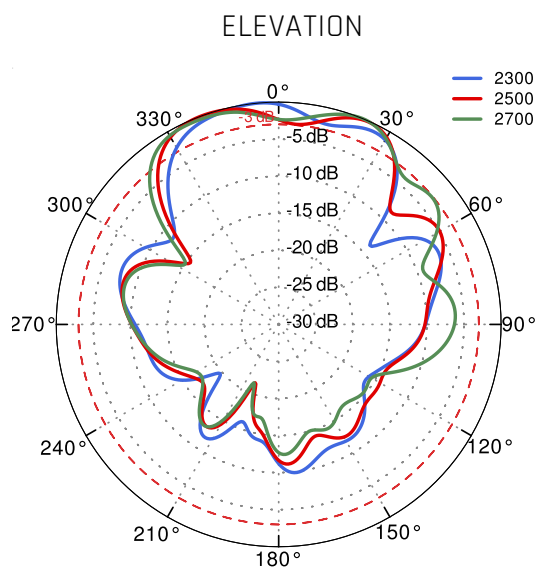
## PORT 1&3 - 5G/LTE From 650MHz to 950MHz



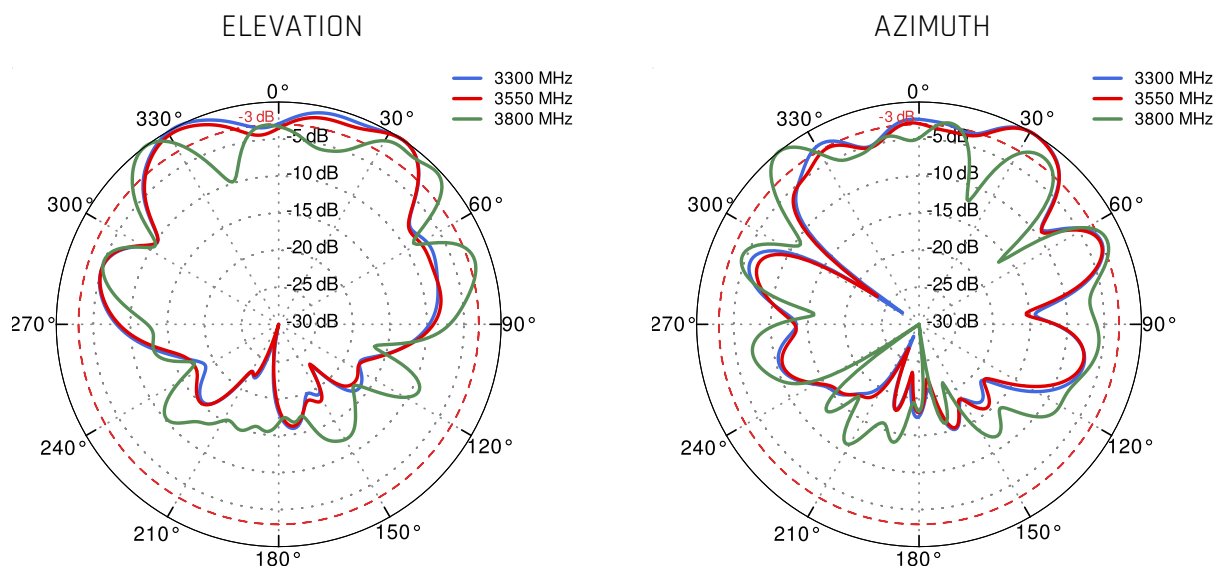
## PORT 1&3 - 5G/LTE From 1.71GHz to 2.17GHz



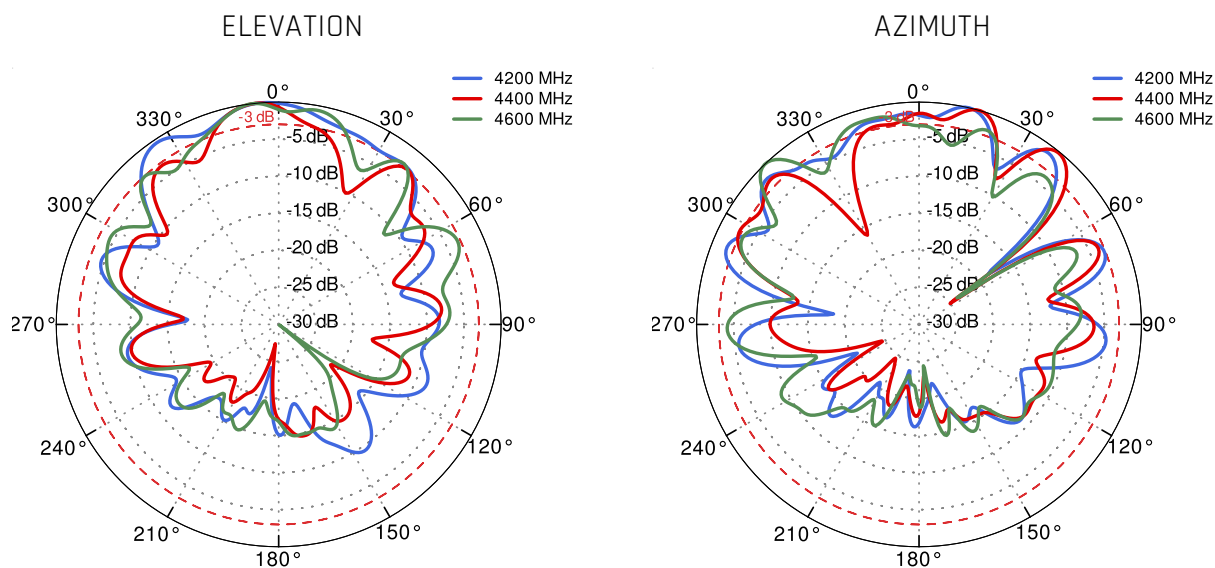
## PORT 1&3 - 5G/LTE From 2.3GHz to 2.7GHz



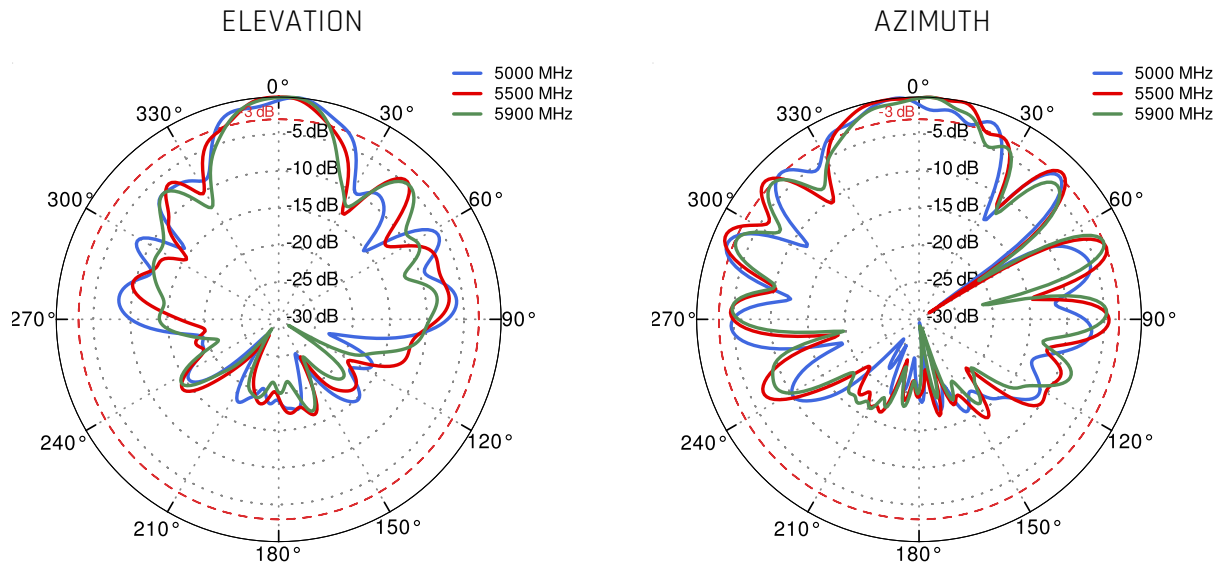
## PORT 1&3 - 5G/LTE From 3.3GHz to 3.8GHz



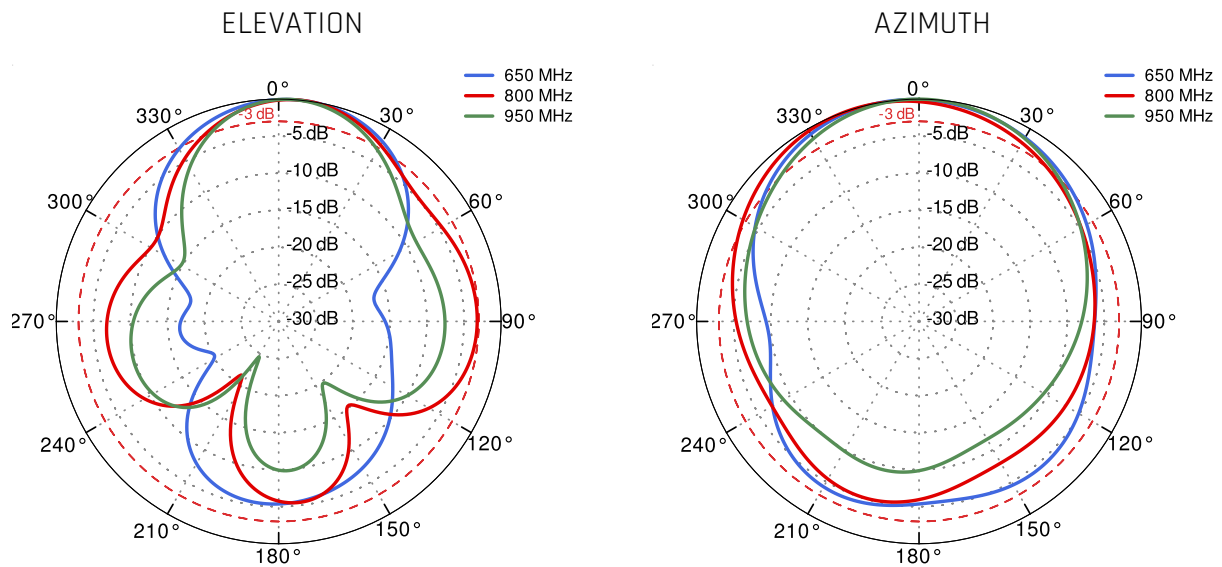
## PORT 1&3 - 5G/LTE From 4.2GHz to 4.6GHz



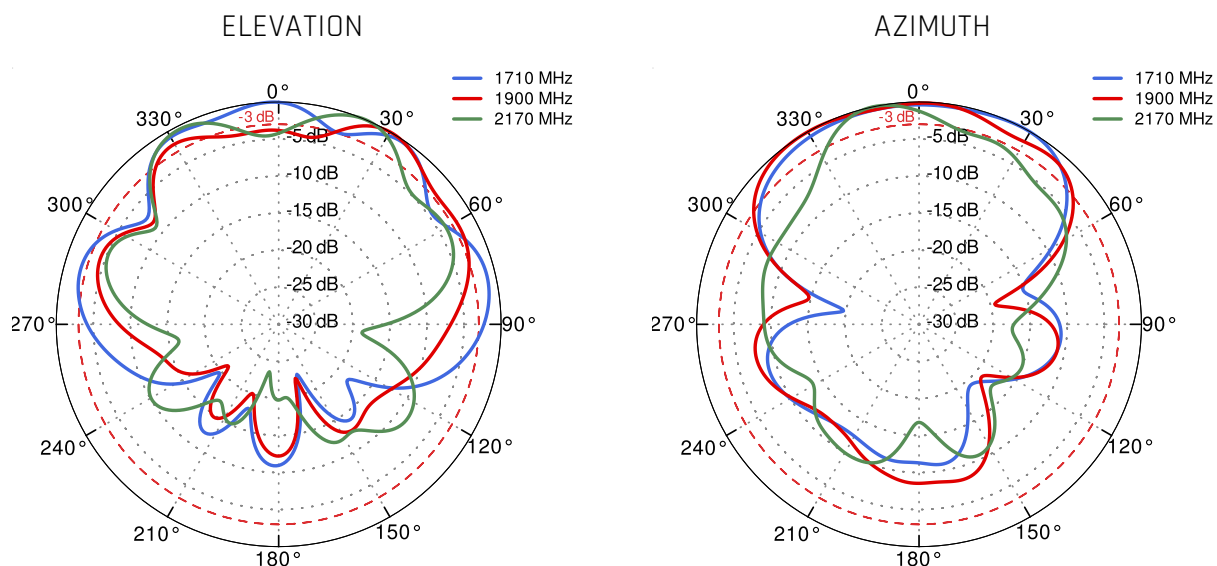
## PORT 1&3 - 5G/LTE From 5.0GHz to 5.9GHz



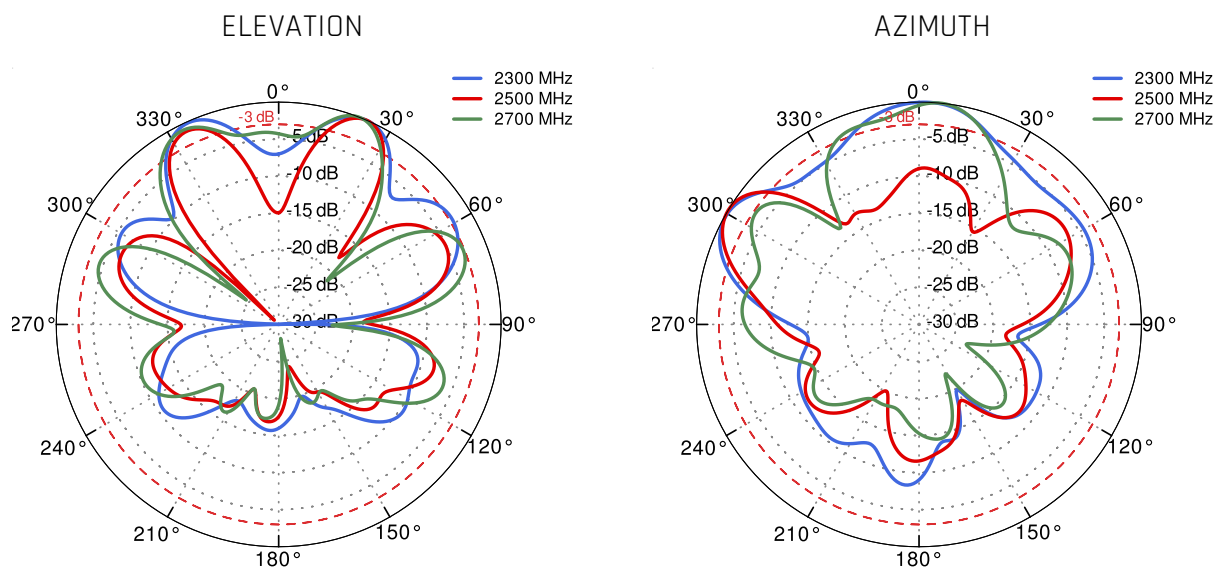
## PORT 2&4 - 5G/LTE From 650MHz to 950MHz



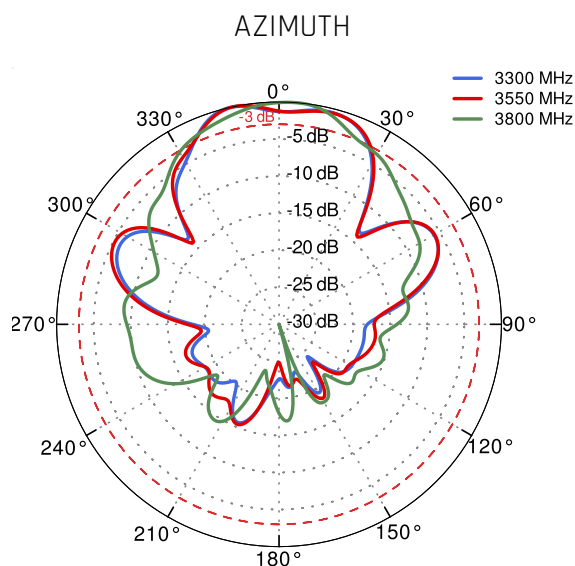
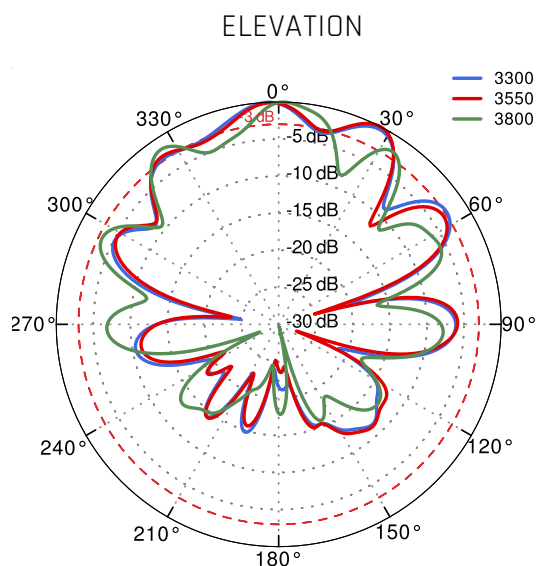
## PORT 2&4 - 5G/LTE From 1.71GHz to 2.17GHz



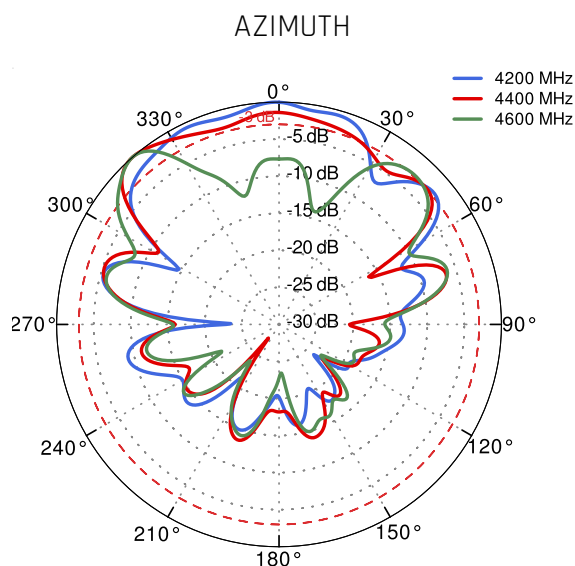
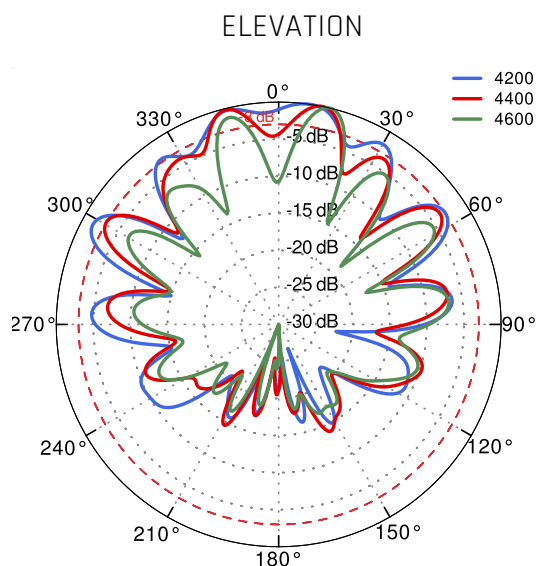
## PORT 2&4 - 5G/LTE From 2.3GHz to 2.7GHz



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

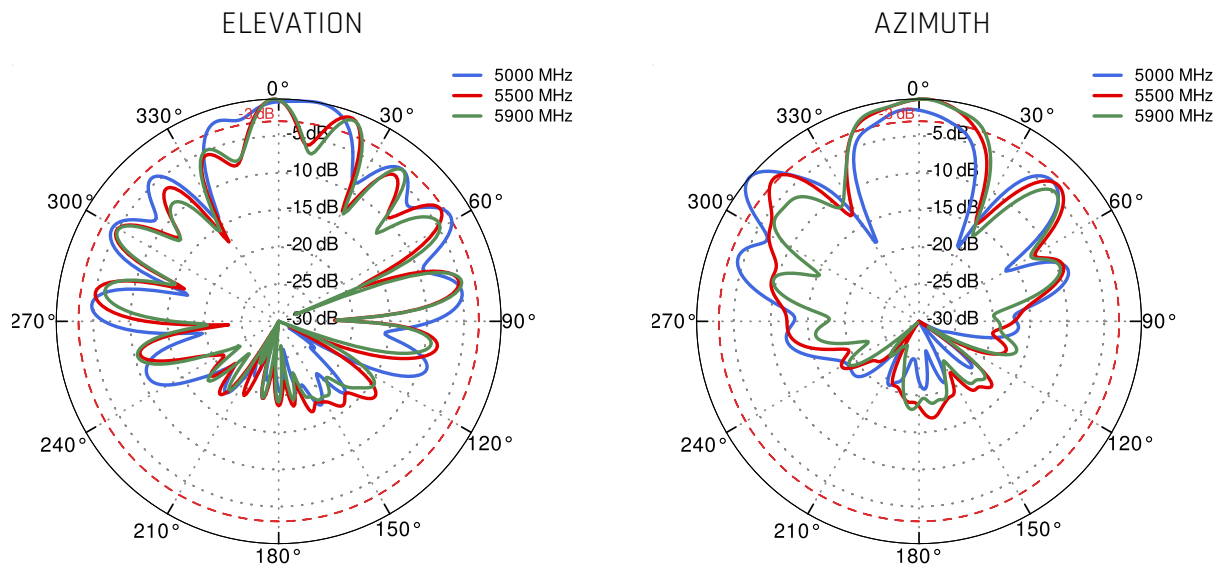


## PORT 2&4 - 5G/LTE From 4.2GHz to 4.6GHz





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



## DIMENSIONS

