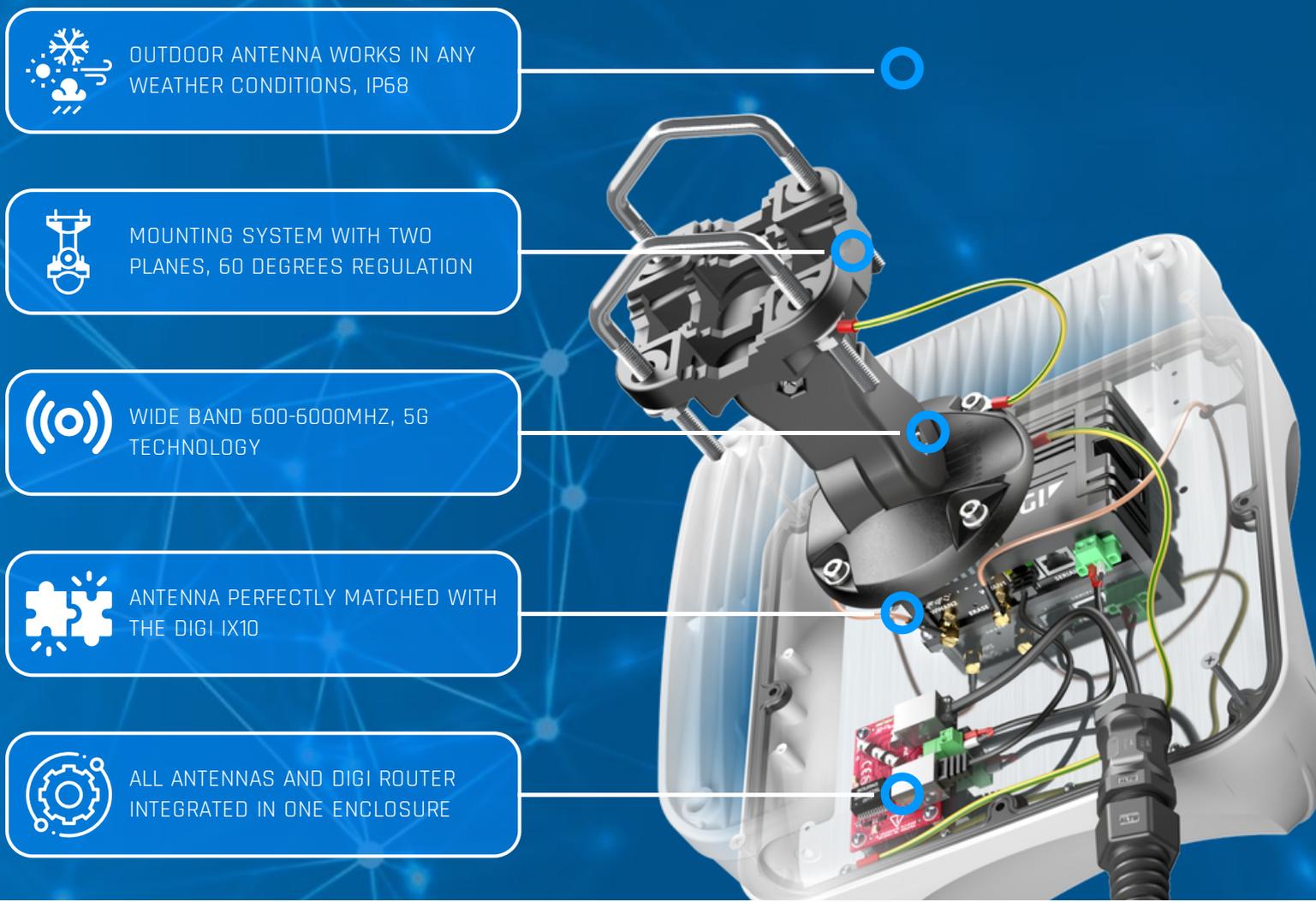
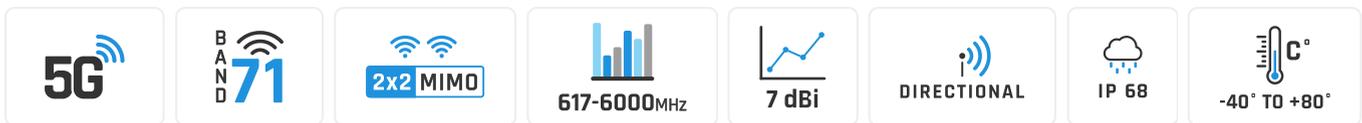


# Thunder Integrated Directional for DIGI IX10

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

Thunder Integrated Directional 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 Thunder Integrated Directional 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 / LTE ANTENNA SPECIFICATION

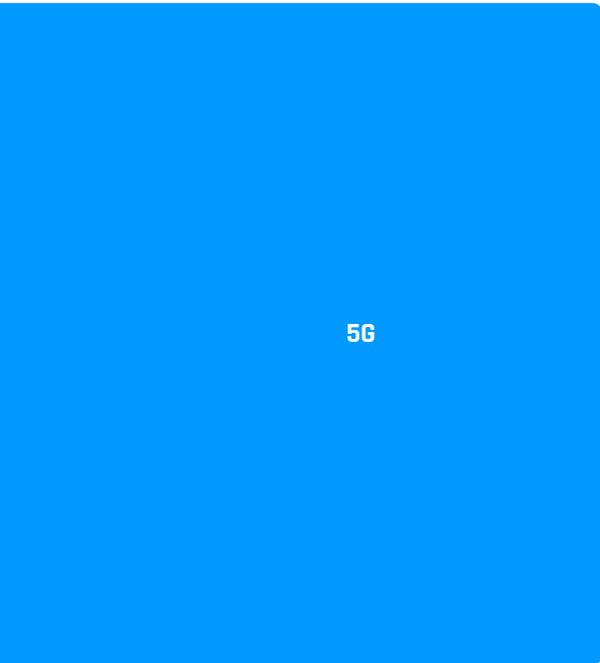
<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 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

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, fiberglass
<b>CONNECTOR TYPE</b>	RJ45
<b>INGRESS PROTECTION</b>	IP68
<b>DIMENSIONS</b>	26.9 x 26.95 x 17.7 cm 10.6 x 10.6 x 7 inch
<b>WEIGHT</b>	2.8 kg 6.17 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 inch

## FREQUENCY BANDS

<b>LTE / 4G</b>	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								



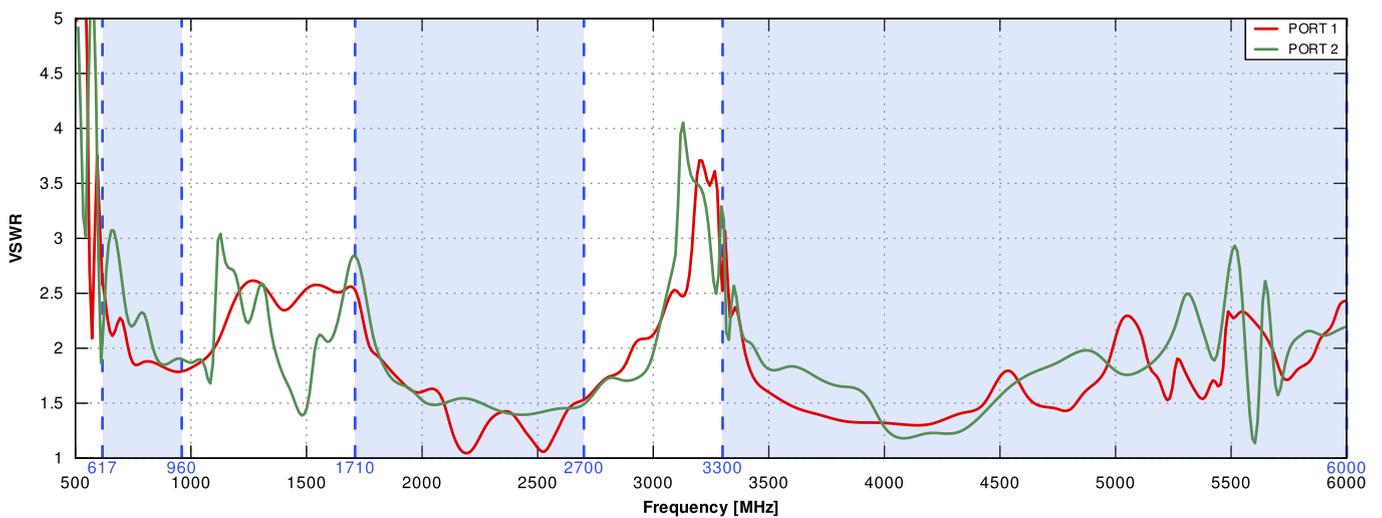
n1	n2	n3	n5	n7	n8	n12		
n13	n14	n18	n20	n25	n26	n28		
n29	n30	n34	n38	n39	n40	n41		
617 MHz	n46	n47	n48	n53	n65	n66	n67	6000 MHz
n71	n77	n78	n79	n80	n81	n82		
n83	n84	n85	n86	n89	n90	n95		
n97	n98	n100	n101	n256				

## COMPATIBLE ROUTERS

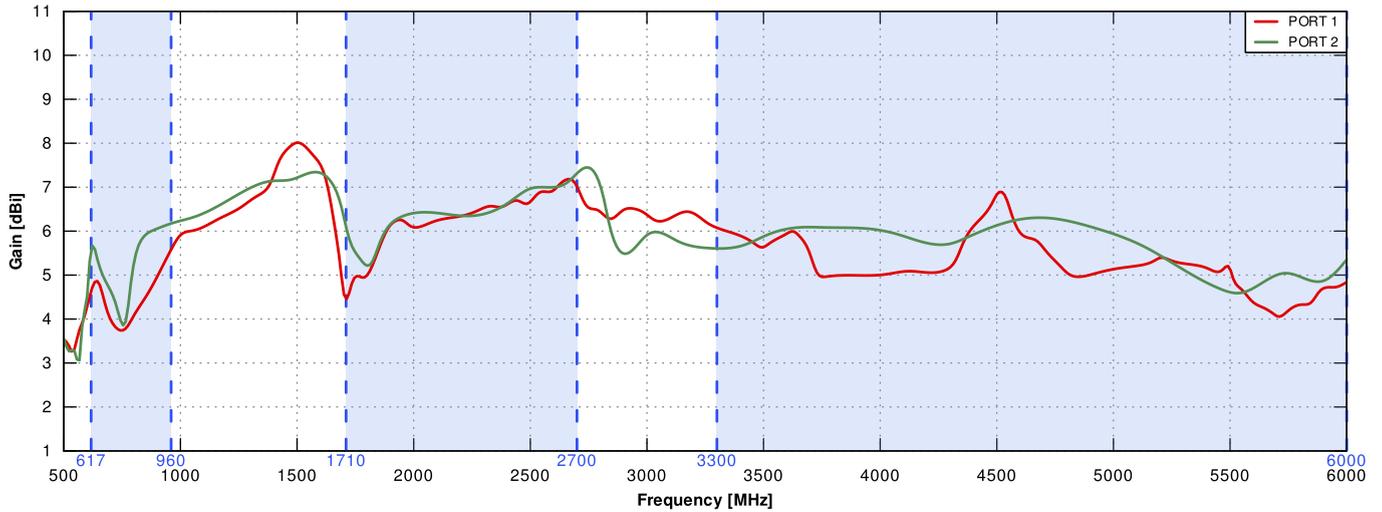
VARIANT: ADIX10M

## PLOTS

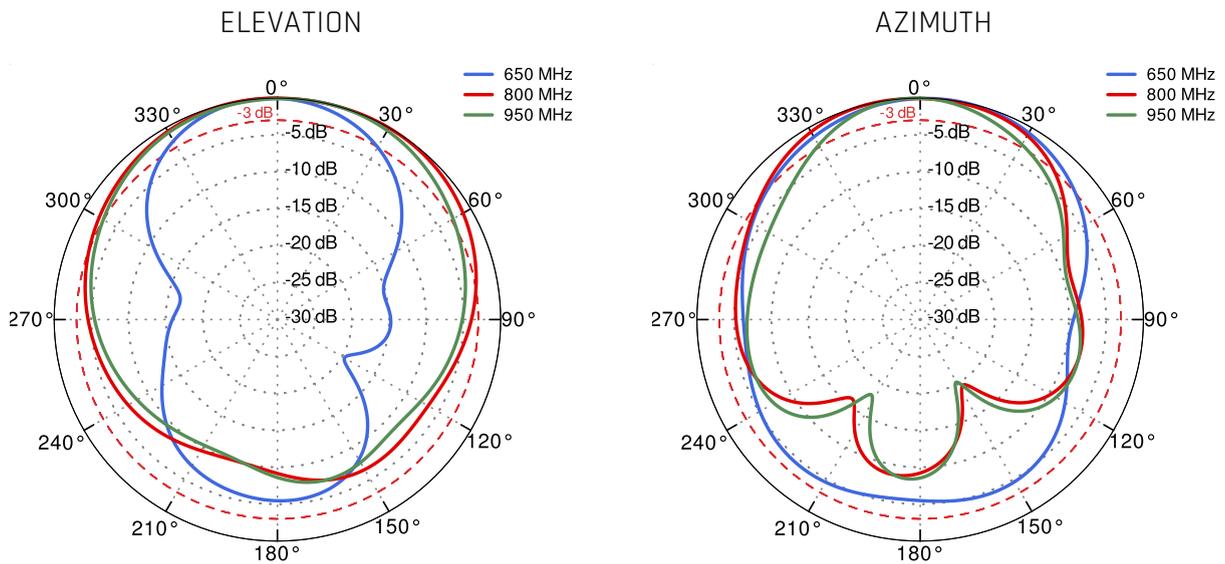
LTE VSWR



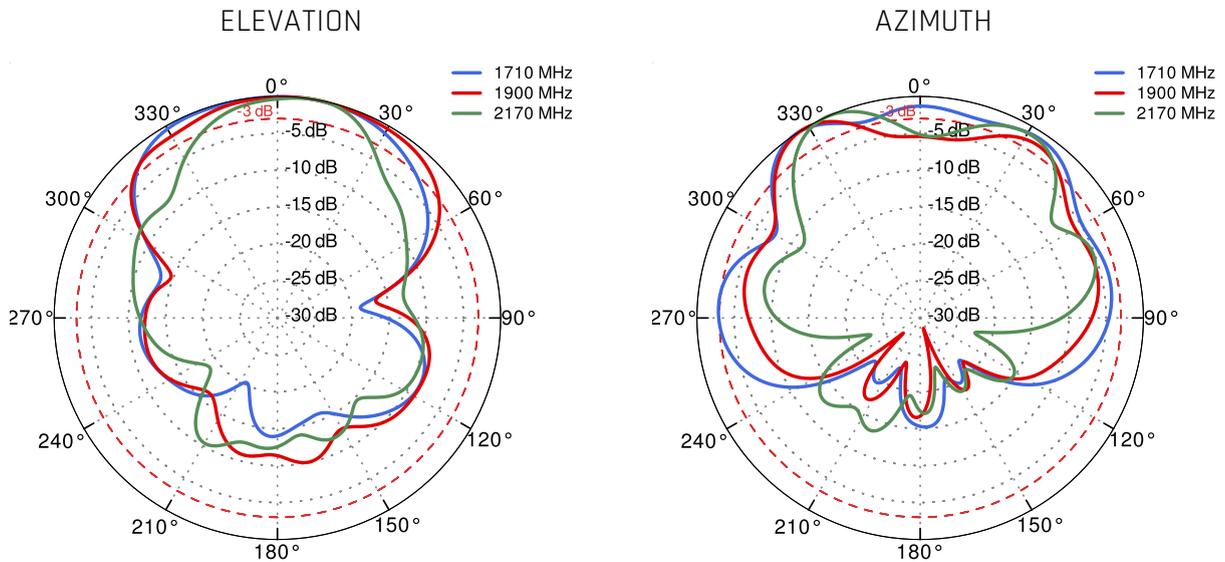
LTE Gain



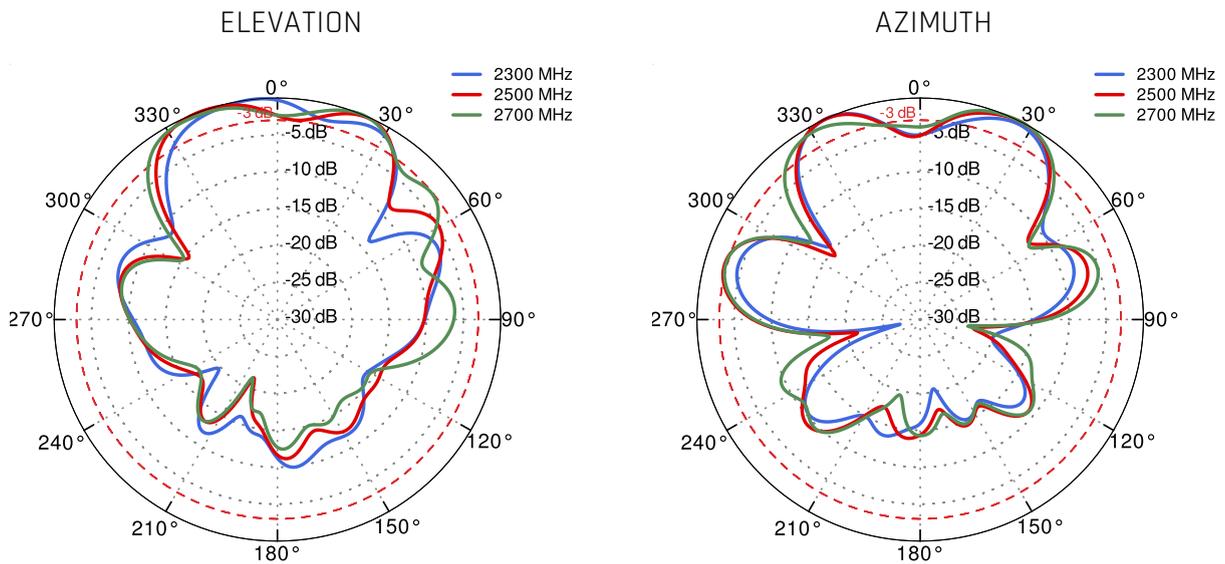
PORT 1 - 5G/LTE from 650MHz to 950MHz



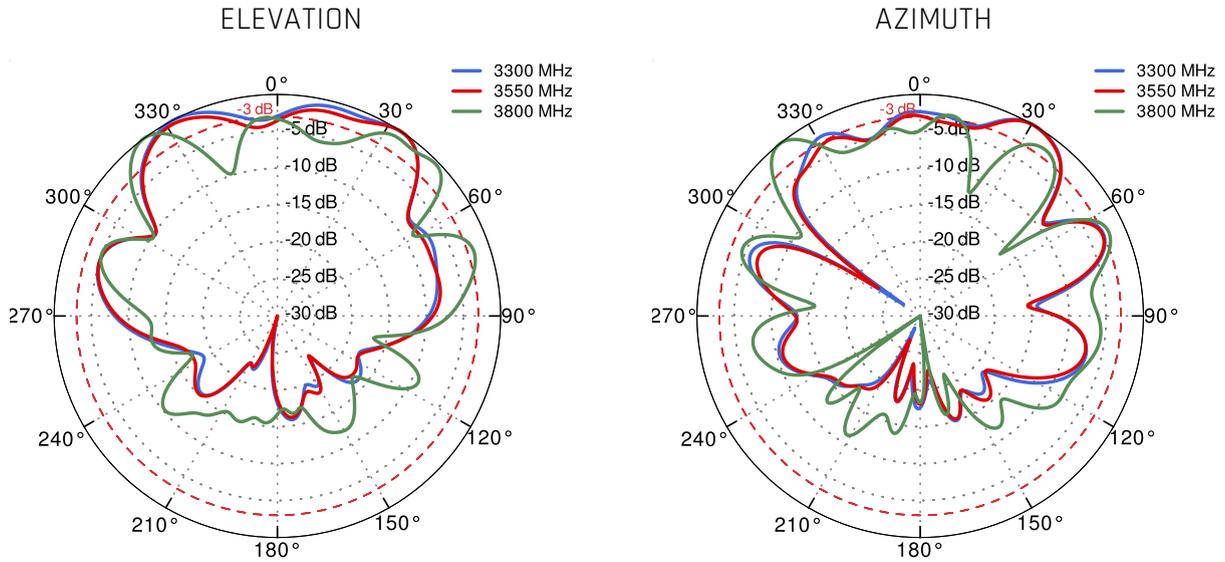
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



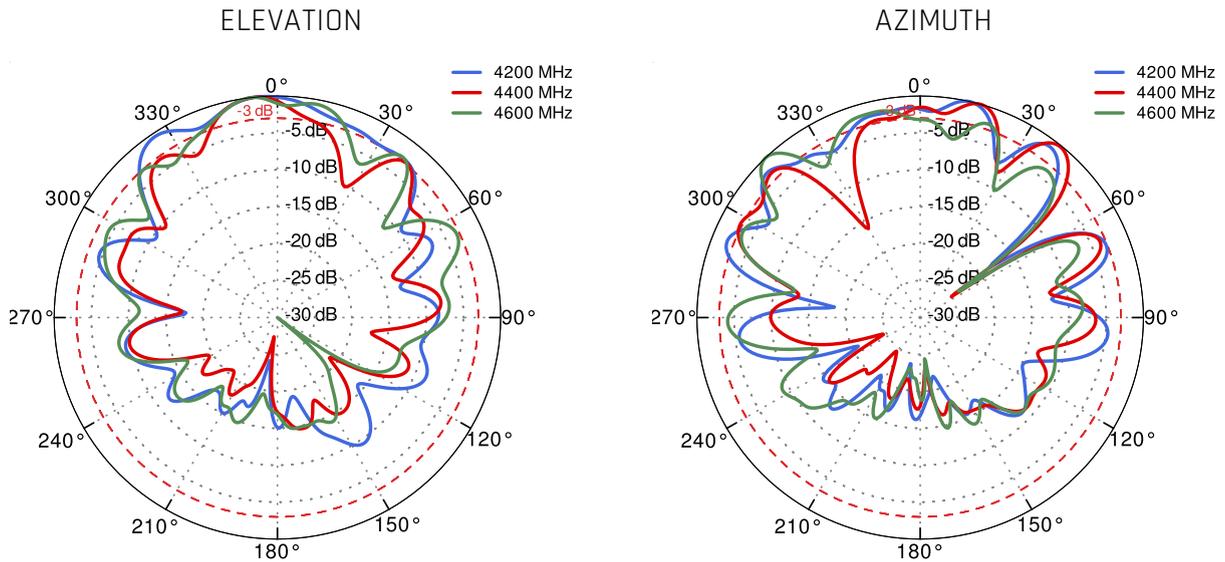
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



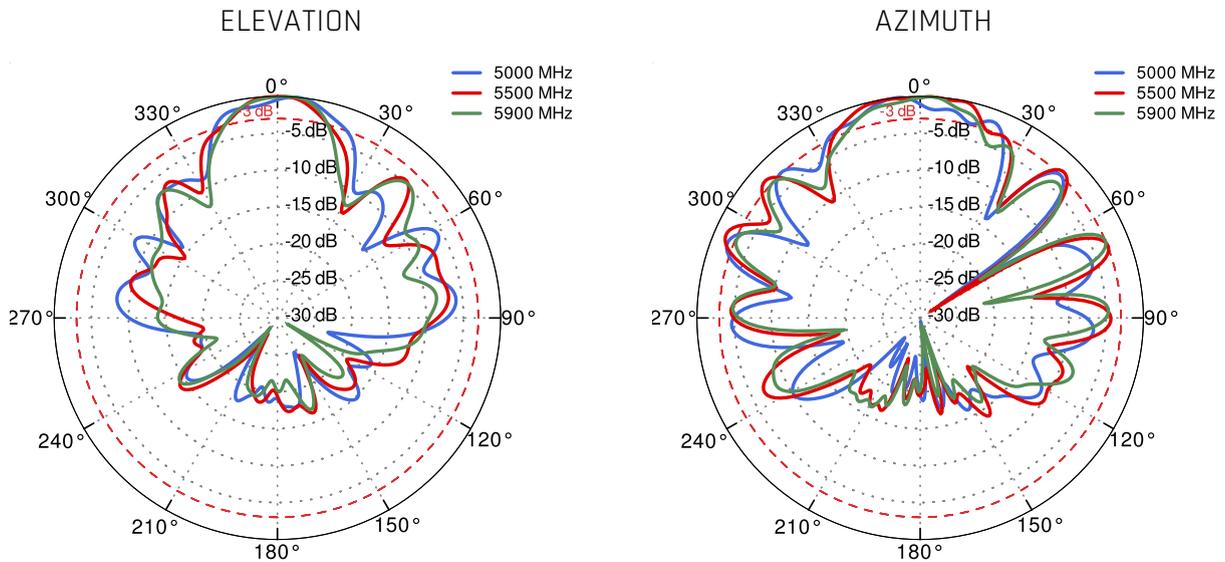
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



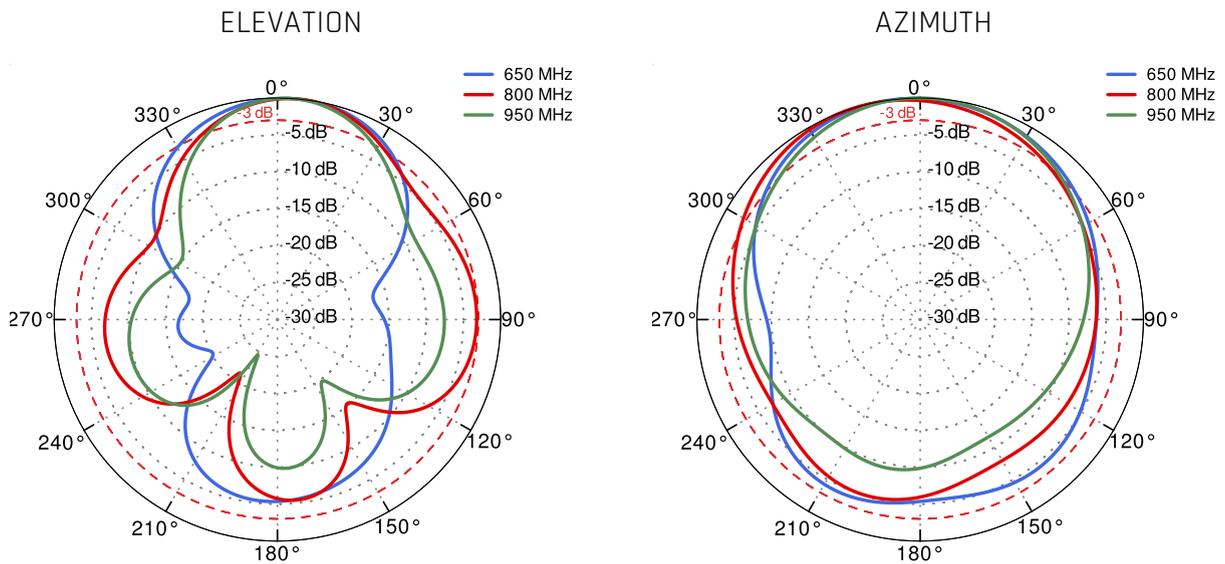
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



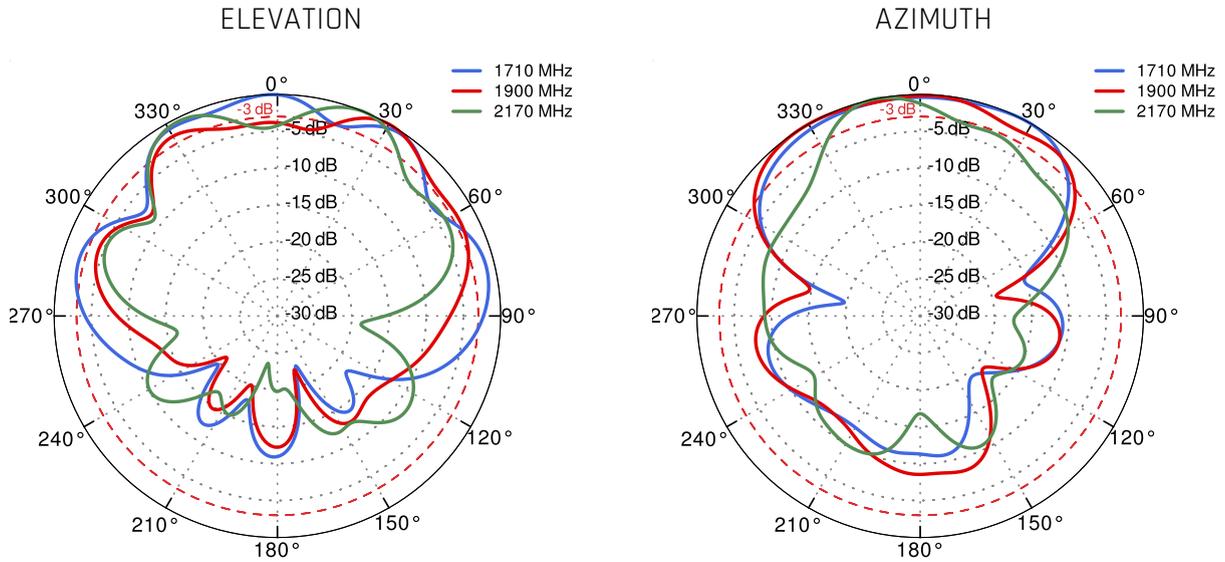
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



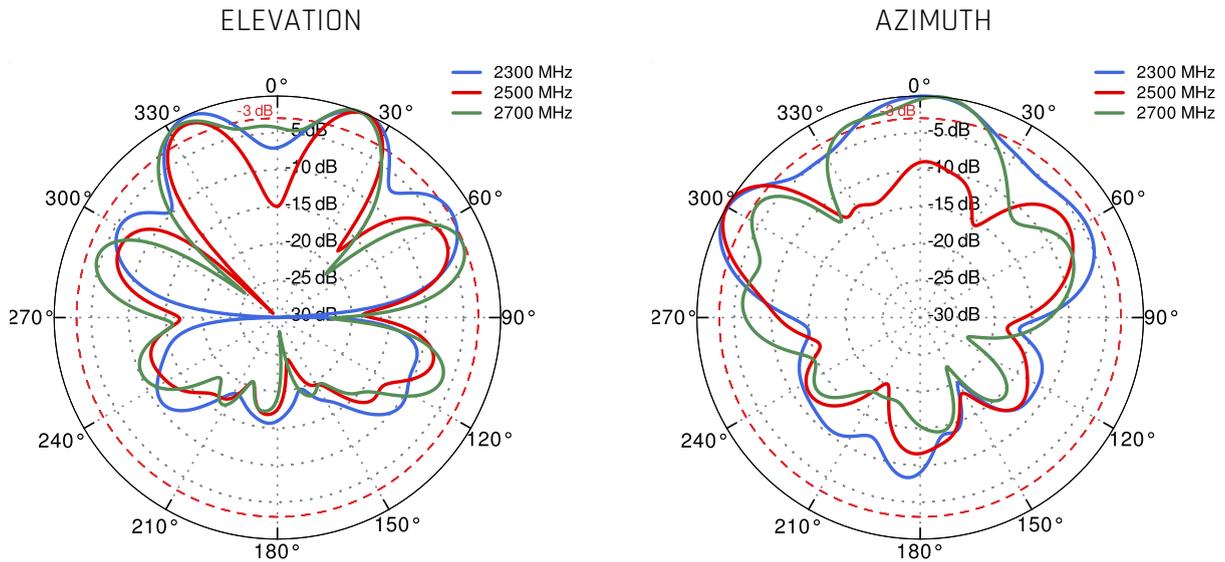
PORT 2 - 5G/LTE from 650MHz to 950MHz



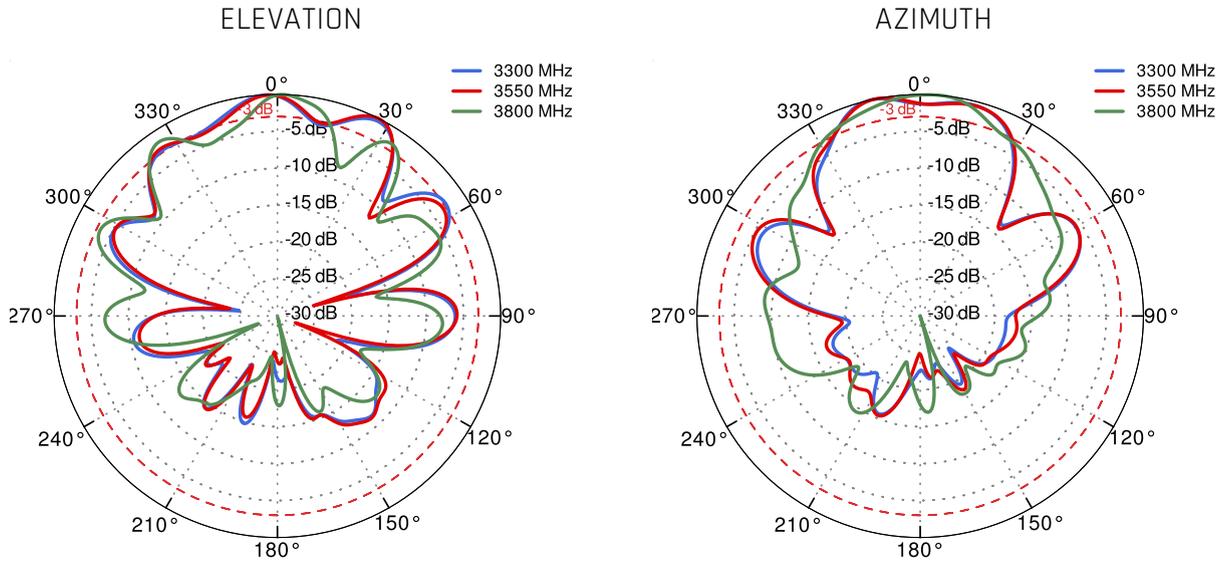
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



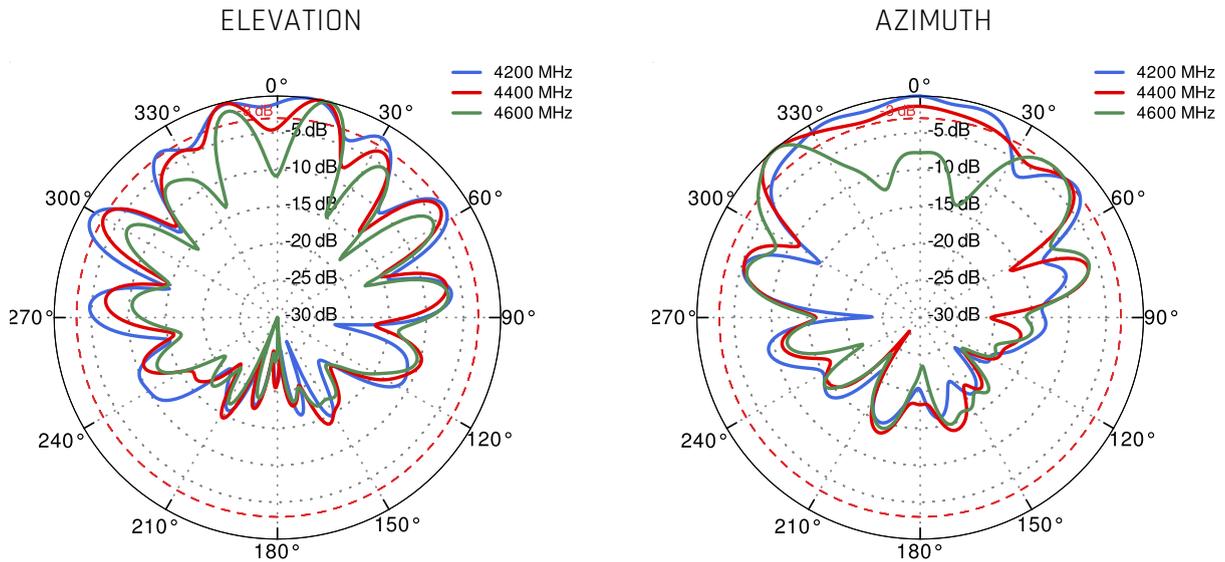
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



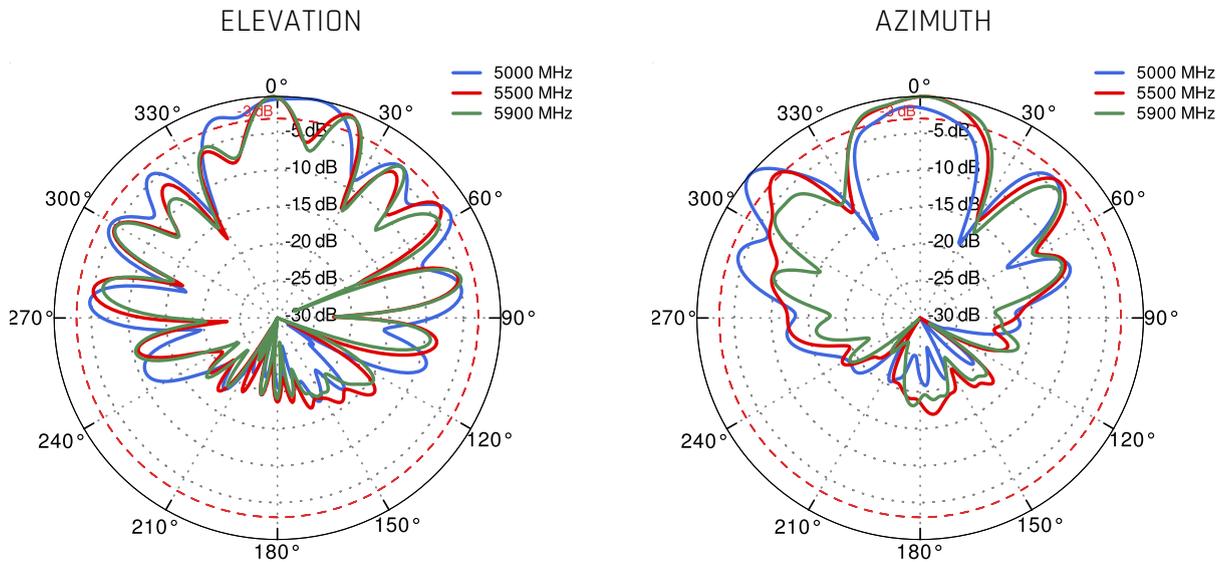
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



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



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



**DIMENSIONS**

