


# QuMax for Peplink MAX BR1 Mini (HW3) & M2M

**INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + GPS ANTENNA + PLACE TO INSTALL PEPLINK MAX BR1 MINI (HW3) & M2M (ALL-IN-ONE)**

QuMax antenna for Peplink MAX BR1 Mini (HW3) & M2M 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, omni Wi-Fi and GPS antenna. If you use MAX BR1 Mini (HW3) or M2M with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.



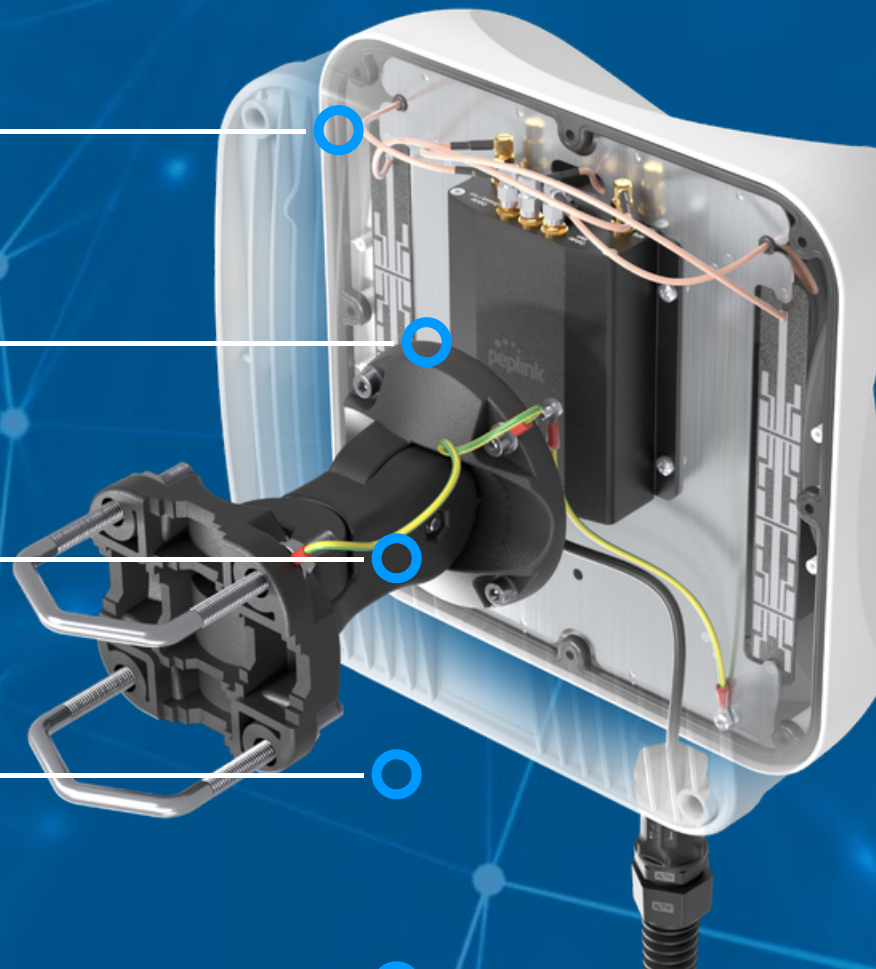
 OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68

 MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION

 WIDE BAND 600-6000MHZ, 5G TECHNOLOGY

 ANTENNA PERFECTLY MATCHED WITH THE PEPLINK MAX BR1 MINI (HW3) & M2M

 ALL ANTENNAS AND PEPLINK ROUTER INTEGRATED IN ONE ENCLOSURE



## 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

## WI-FI ANTENNA SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 4.7- 6.0 GHz
<b>GAIN</b>	2.4 - 2.5 GHz : 6 dBi 4.7 - 6.0 GHz : 7 dBi
<b>VSWR</b>	< 1.70, max < 2.00
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$

## 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>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 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

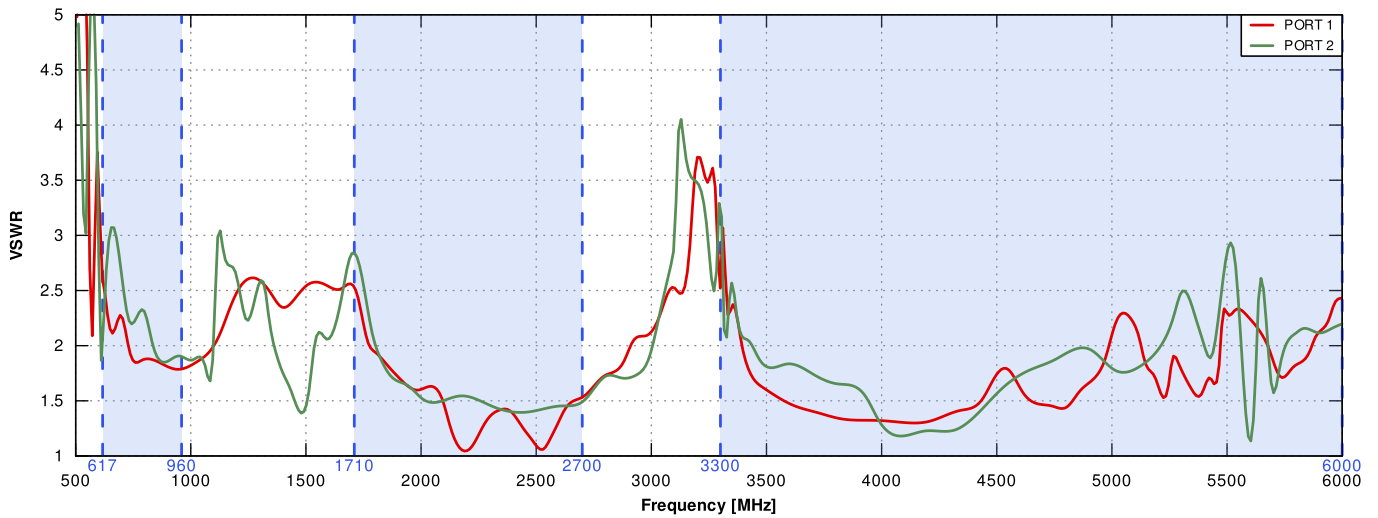
**5G**

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	n255		

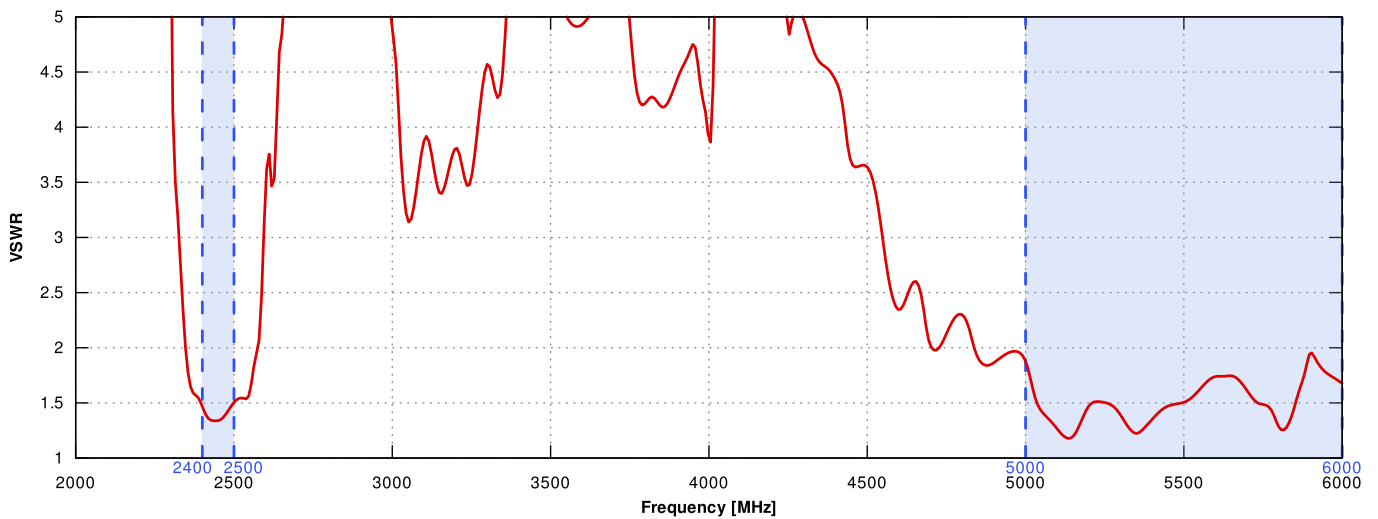
617 MHz      6000 MHz

# PLOTS

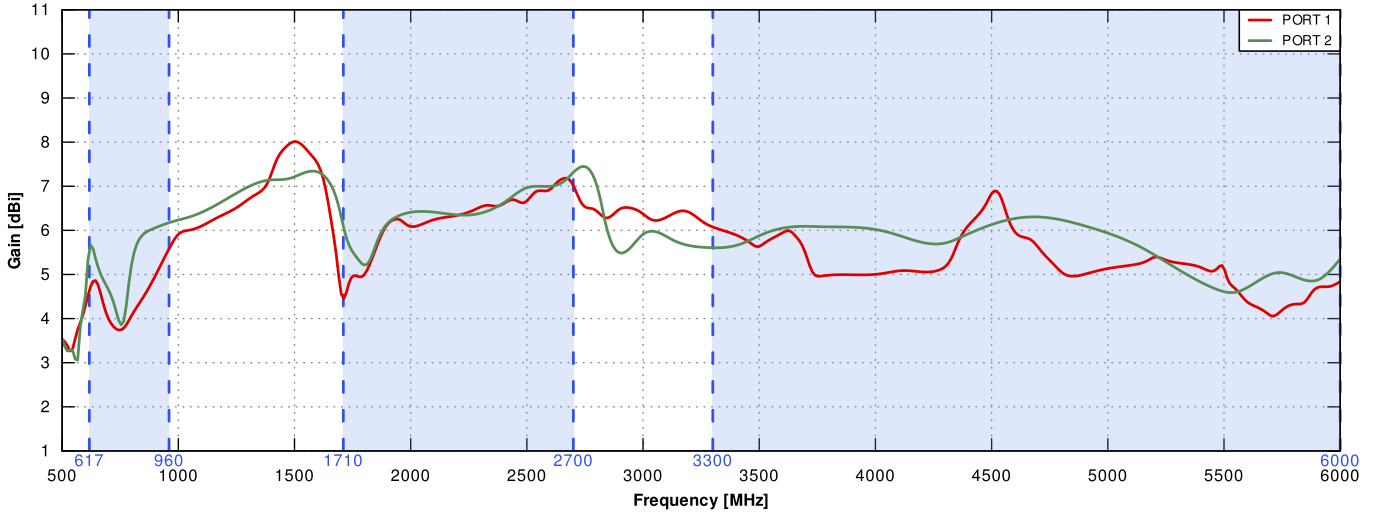
## LTE VSWR



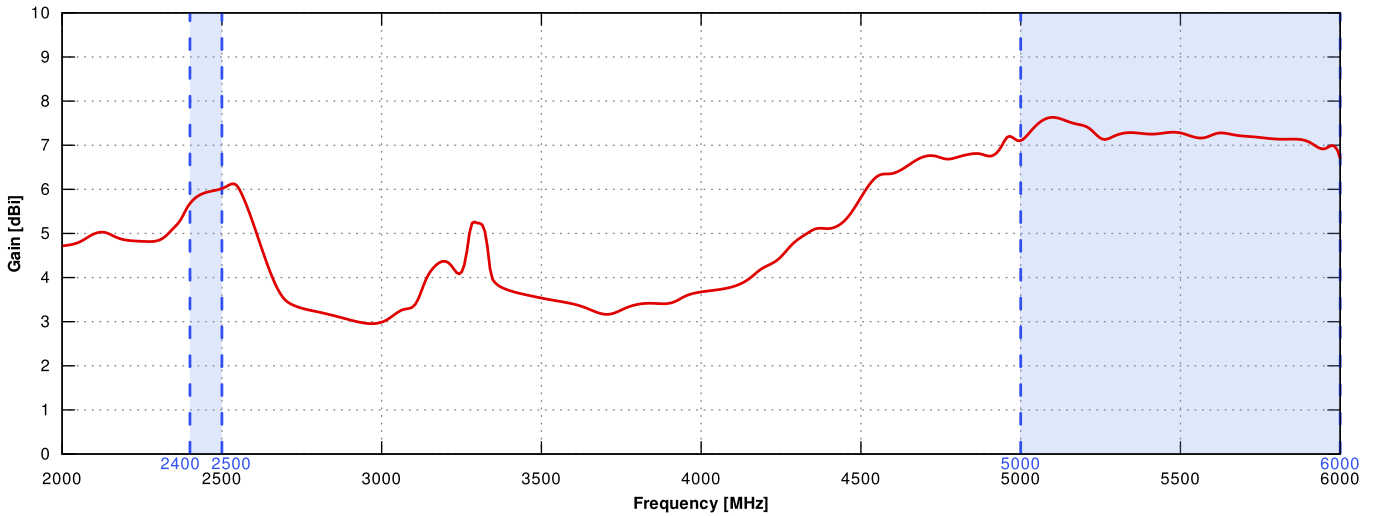
## WI-FI VSWR



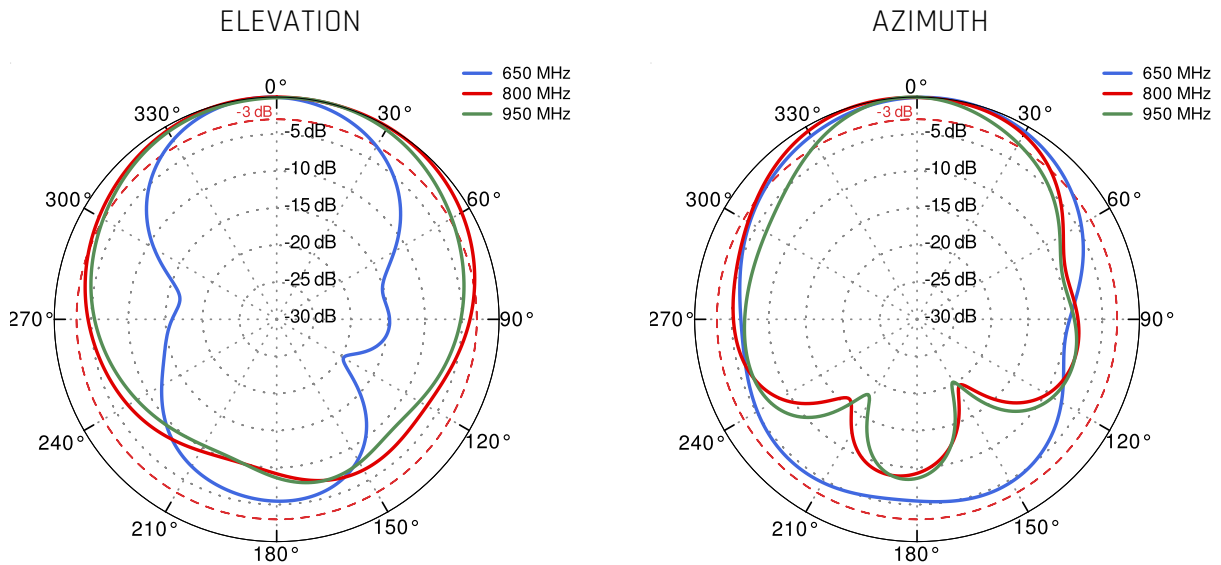
LTE Gain



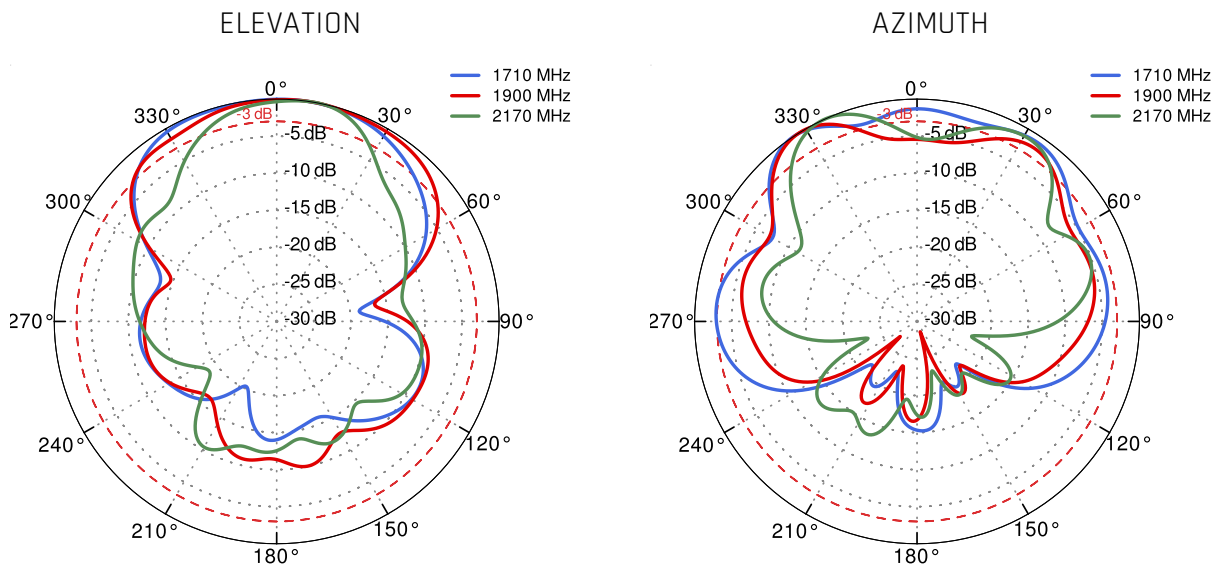
WI-FI Gain



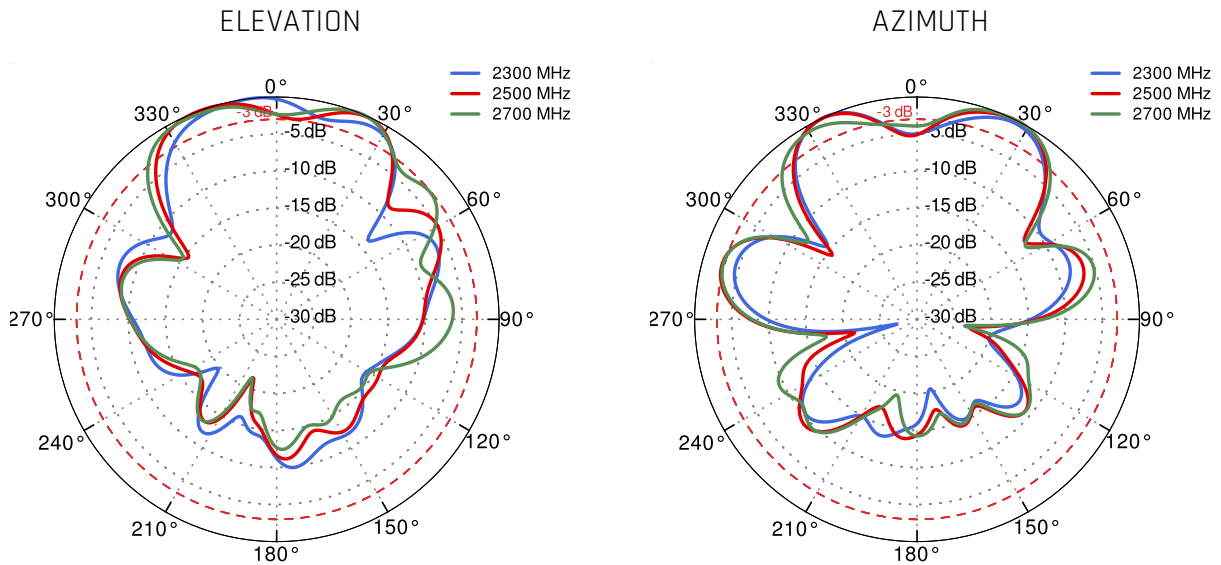
PORT 1 - 5G/LTE from 650MHz to 950MHz



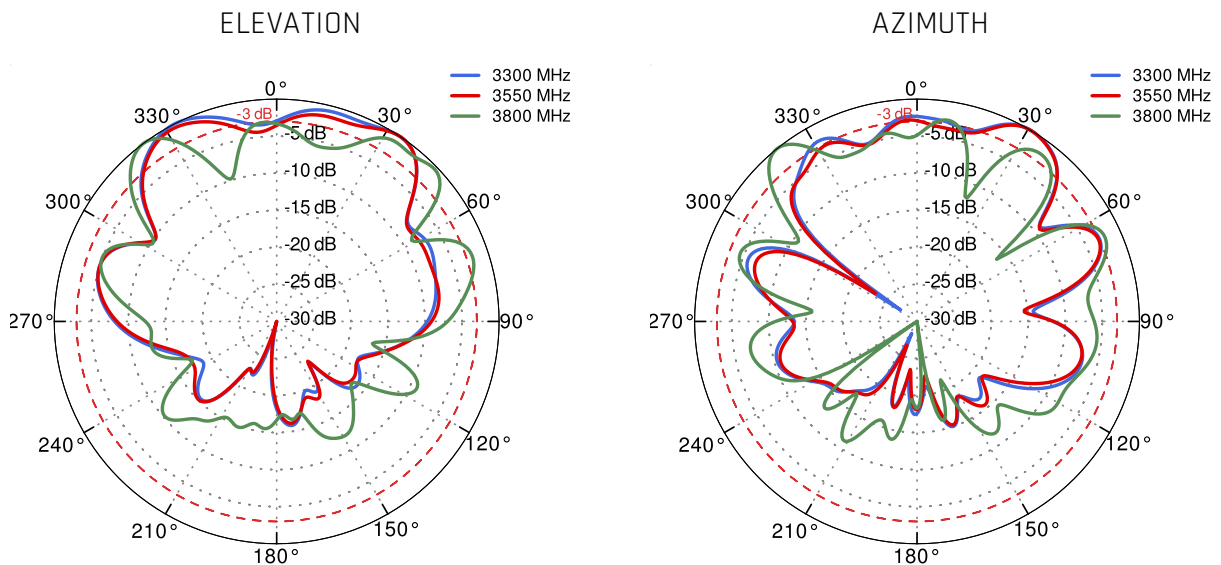
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



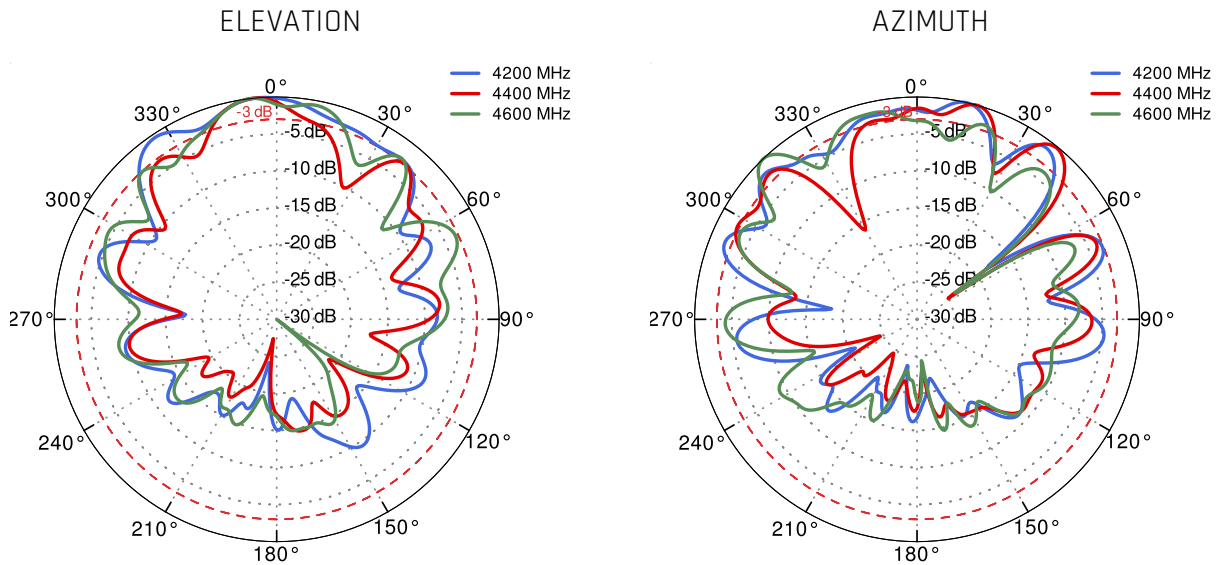
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



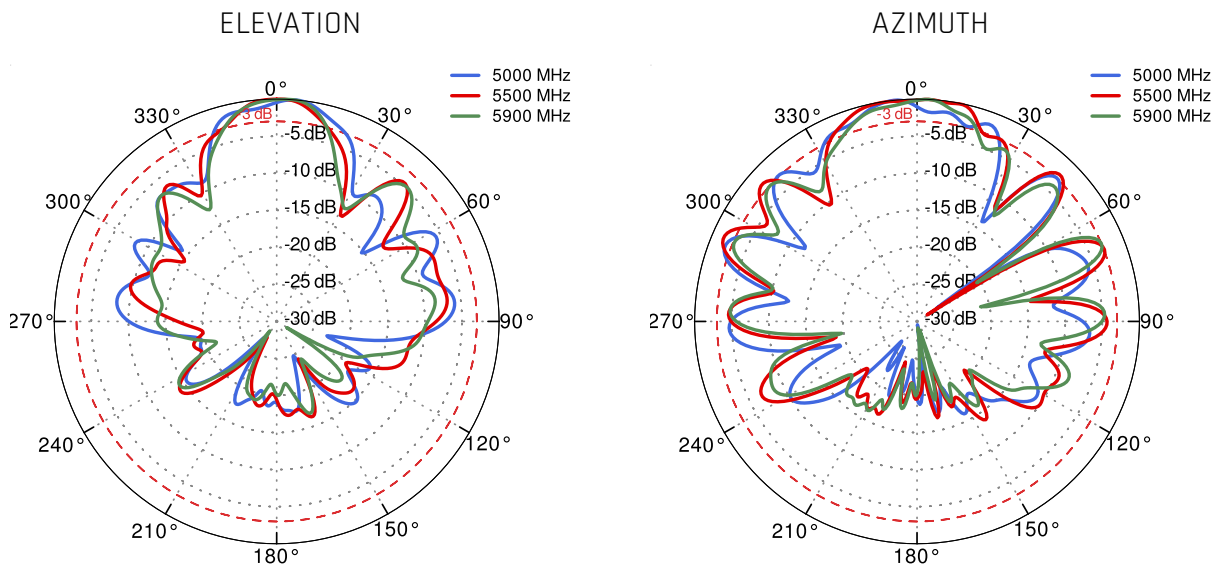
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



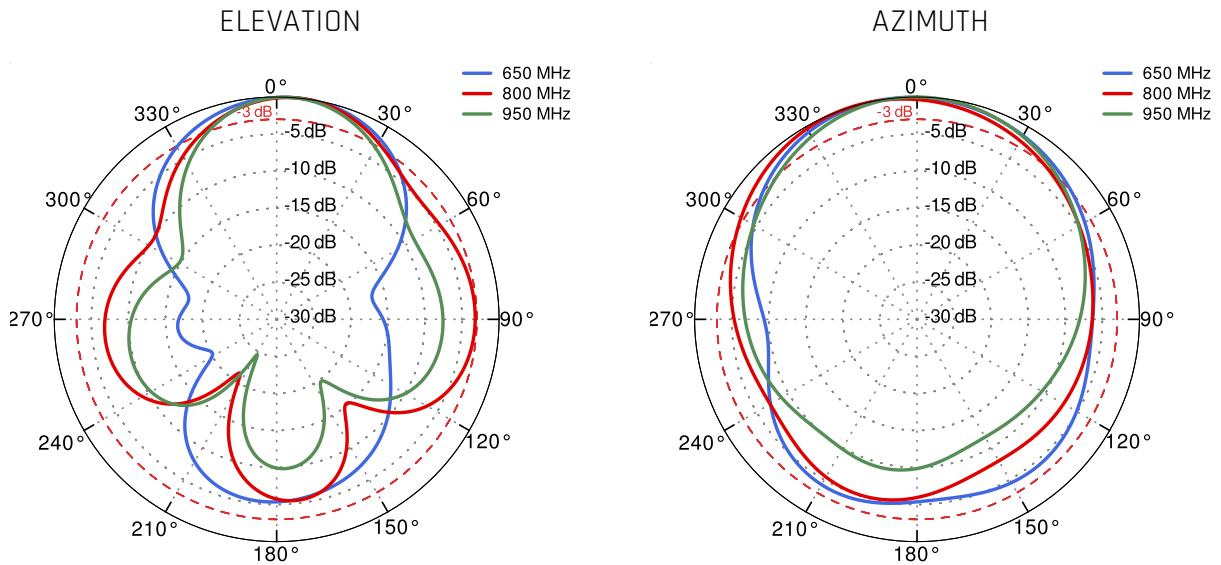
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



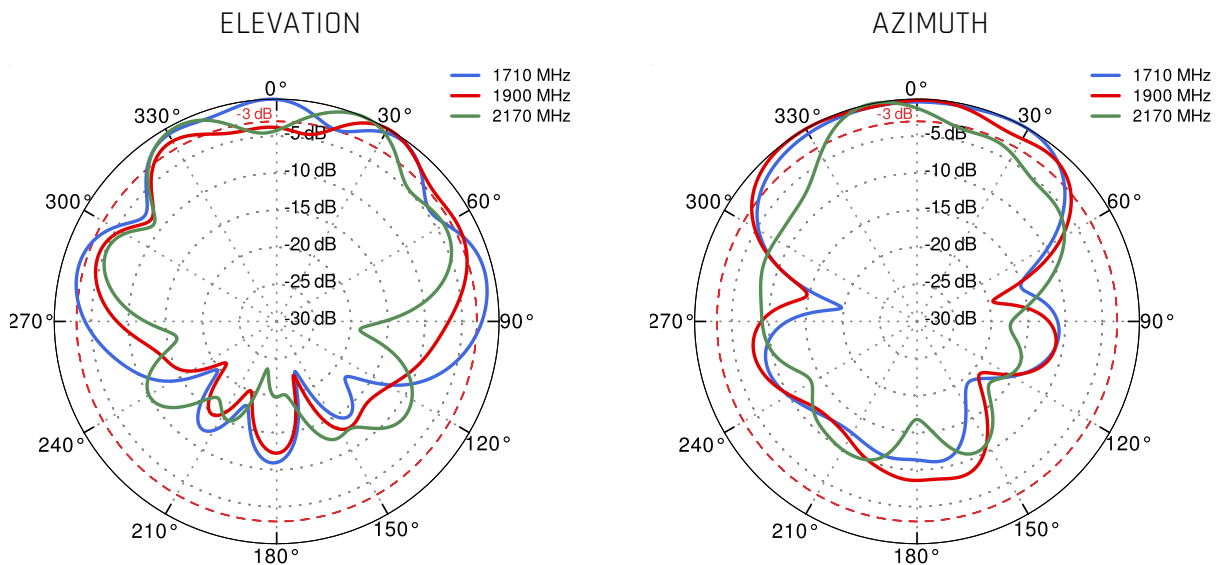
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



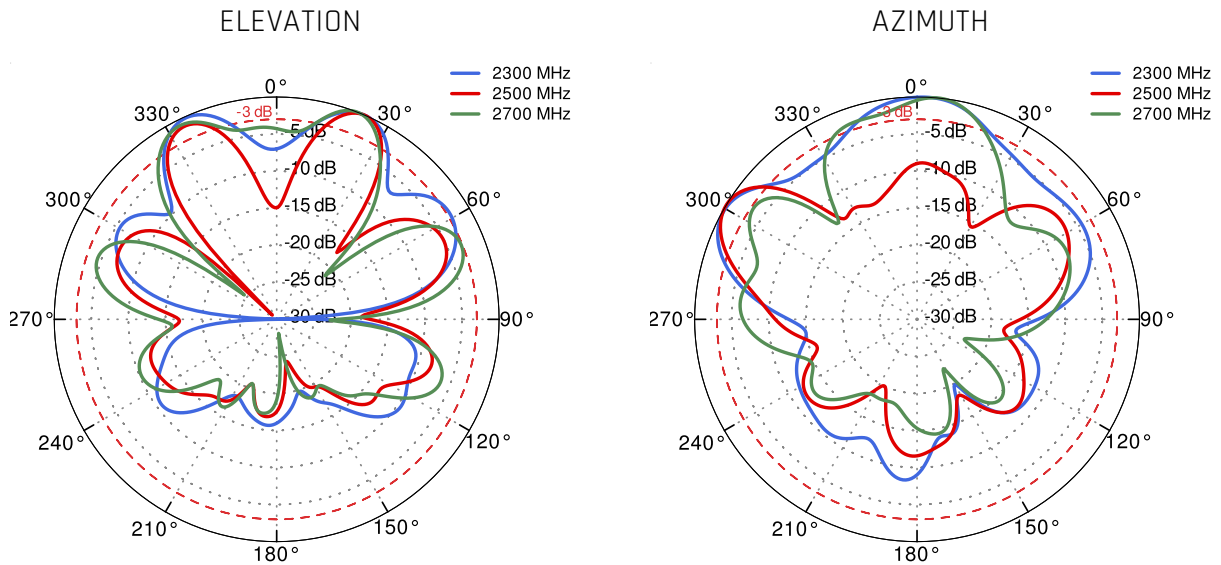
PORT 2 - 5G/LTE from 650MHz to 950MHz



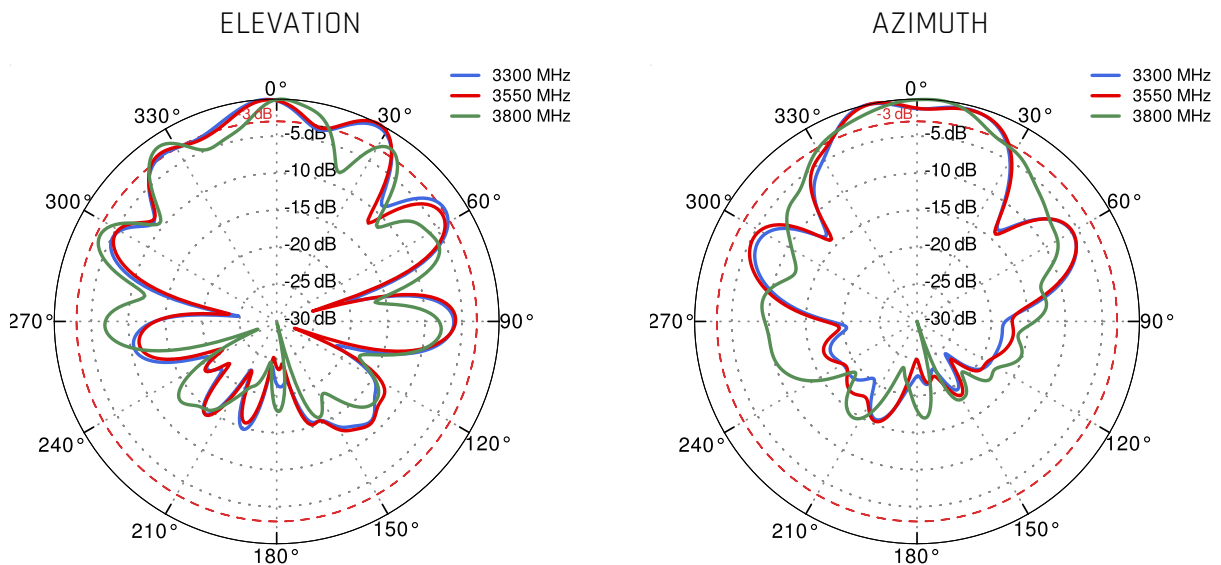
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



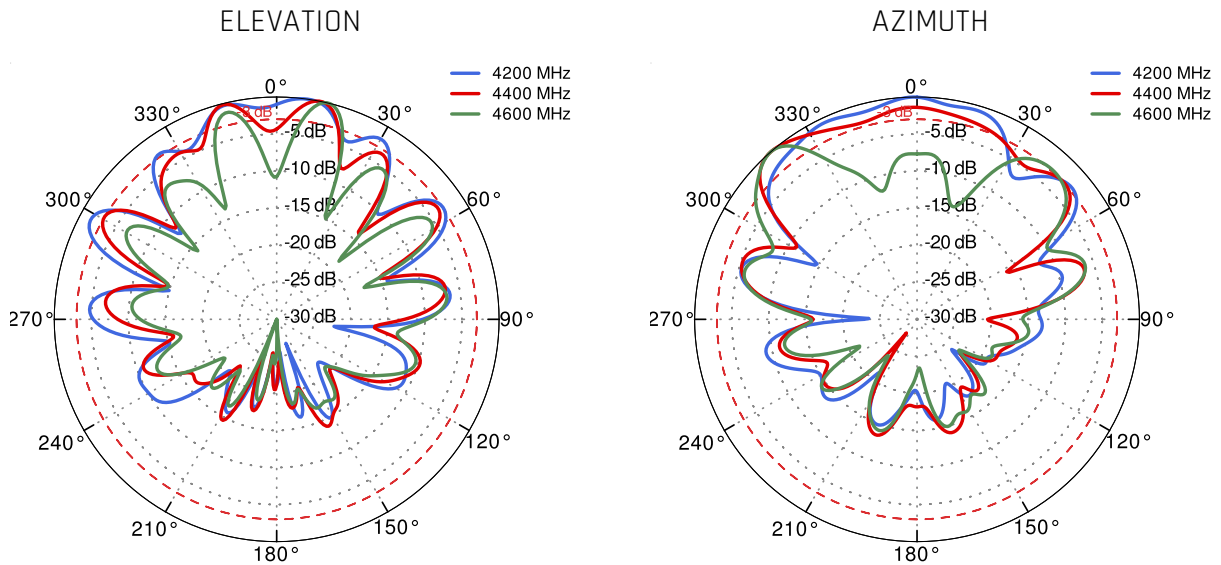
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



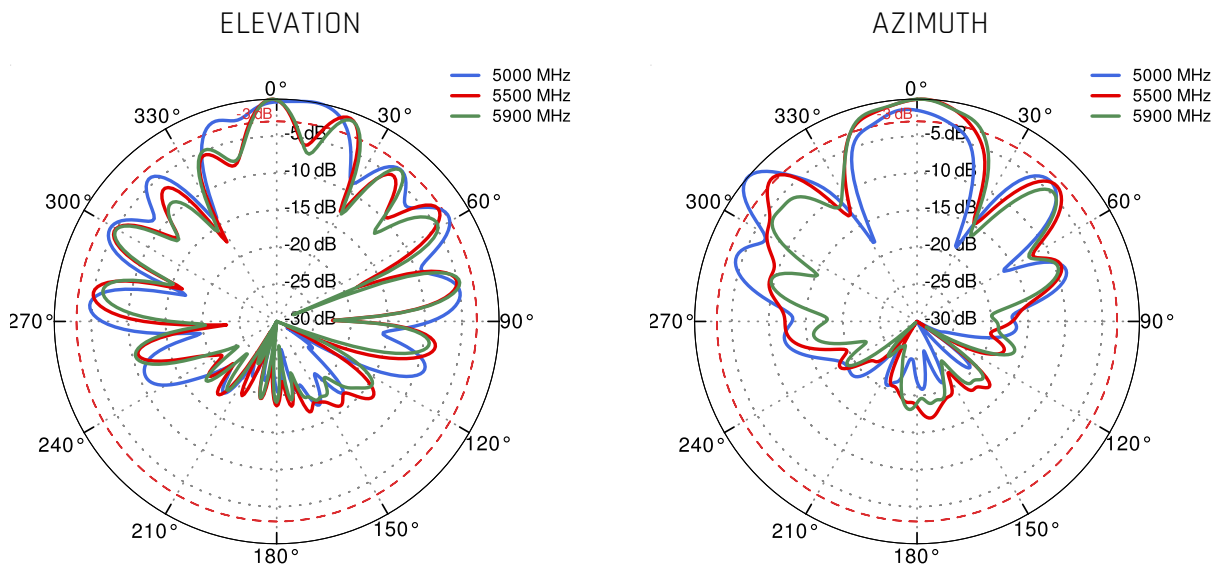
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



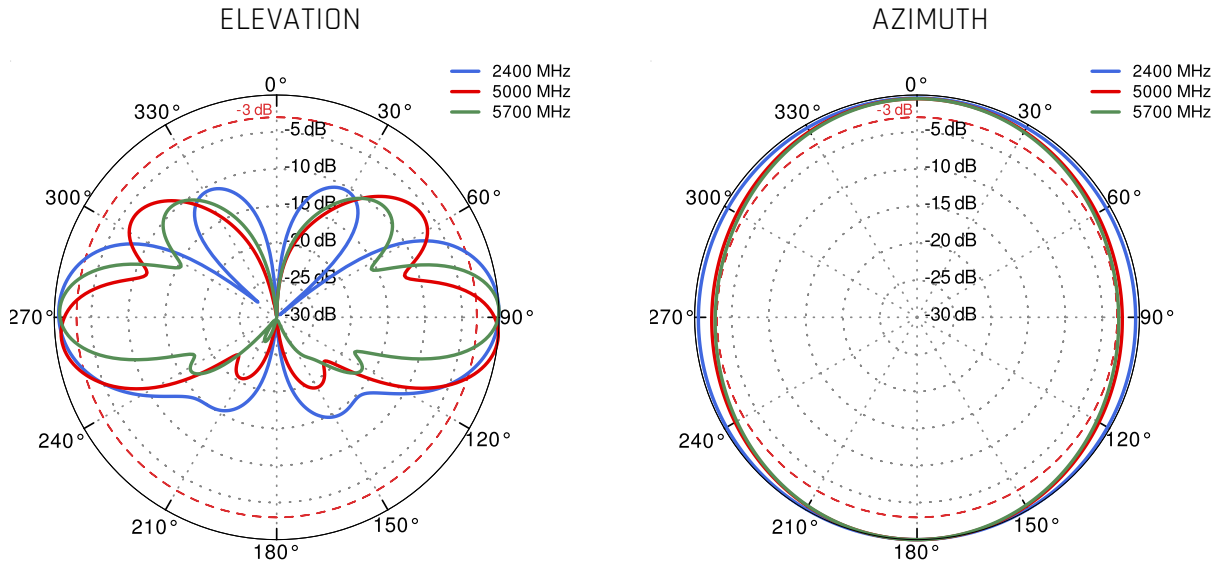
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



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



Wi-Fi From 2.4 GHz to 6.5 GHz




## DIMENSIONS

