

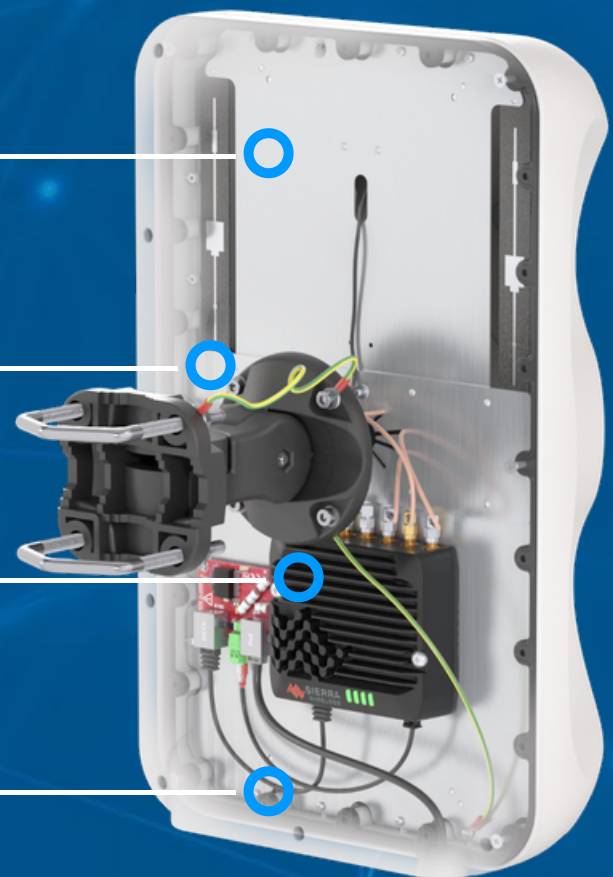
QuMax for Sierra Wireless XR60

INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL Sierra Wireless XR60 (ALL-IN-ONE)

QuMax for Sierra Wireless XR60 is a high performance directional antenna designed for use in a variety of wireless communication applications. This all-in-one product consists of multi-band 5G, Wi-Fi and GPS antennas, integrated in IP68 enclosure. It offers 7.5 dBi gain and wide beam width, which makes it suitable for use in both urban and rural environments.

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.

Combining QuMax with XR60 inside the antenna housing gives you complete outdoor solution with multiple use scenarios such as transportation public, energy, mining IoT and more.



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
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
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, n255
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 Ω
CONNECTOR	4x SMA
CABLE TYPE	RG316

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 5.0 - 7.125 GHz
GAIN	2.40 - 2.50 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	2x RPSMA
CABLE TYPE	RG316

GPS ACTIVE ANTENNA SPECIFICATION

FREQUENCY	1.56 - 1.61 GHz
VSWR	< 2
GAIN	3 dBi
GAIN 3V	28 dBi
DC POWER INPUT	2.5 V ~ 6.5 V
POWER CONSUMPTION	2.5-6.5mA
IMPEDANCE	50 Ω
POLARIZATION	RHCP (right hand circularly polarized)

CONNECTOR

1x SMA

CABLE TYPE

RG174

MECHANICAL SPECIFICATION

MATERIALS

ABS, aluminum, PTFE, Fiberglass

CONNECTOR TYPE

RJ45

INGRESS PROTECTION

IP68

DIMENSIONS486.0 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**ENCLOSURE RECOMMENDED
TIGHTENING TORQUE**

0.6 - 0.8 Nm

MAST DIAMETER25-66mm
0.98-2.60 inch

FREQUENCY BANDS

LTE / 4G

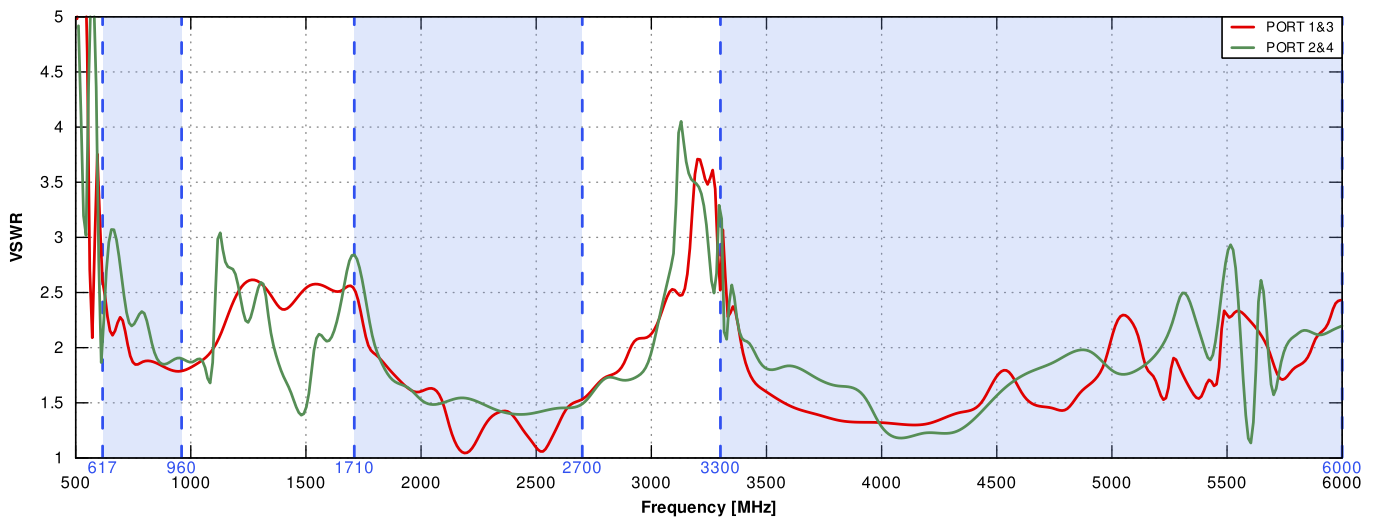
617 MHz	1	2	3	4	5	7	8	6000M Hz
	9	10	12	13	14	17	18	
	19	20	22	25	26	27	28	
	29	30	33	34	35	36	37	
	38	39	40	41	42	43	44	
	46	47	48	49	52	53	65	
	66	67	68	69	71	85	103	
	106							

5G

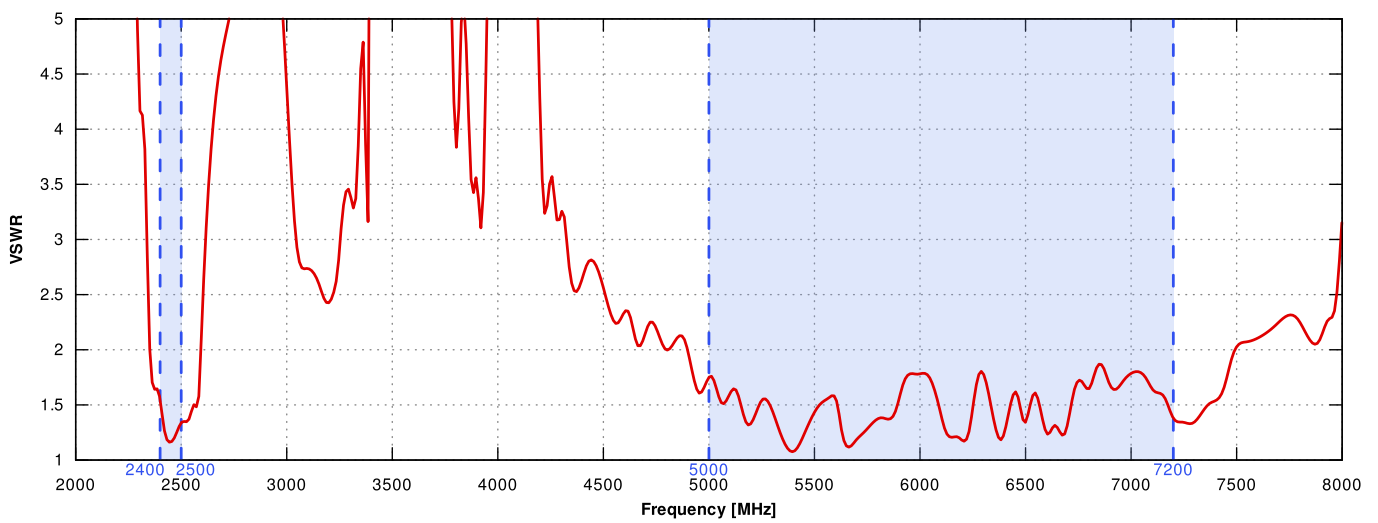
617 MHz	n1	n2	n3	n5	n7	n8	n12	6000 MHz
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
	n46	n47	n48	n53	n65	n66	n67	
	n71	n77	n78	n80	n81	n82	n83	
	n84	n85	n86	n89	n90	n95	n97	
	n98	n100	n101	n255				

PLOTS

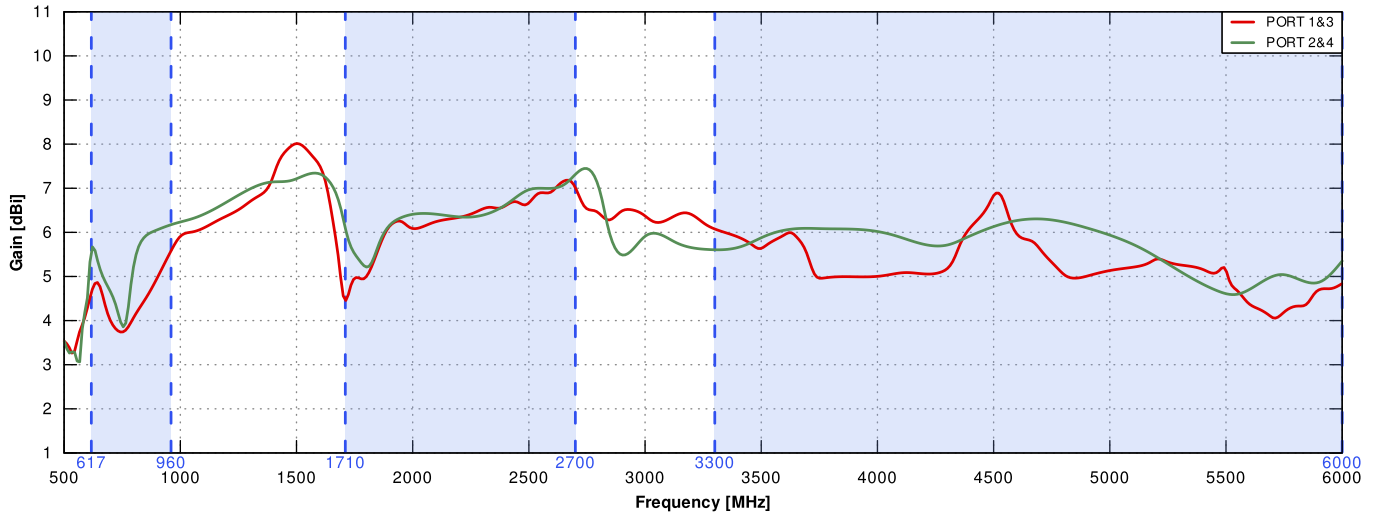
VSWR for 5G/LTE antenna



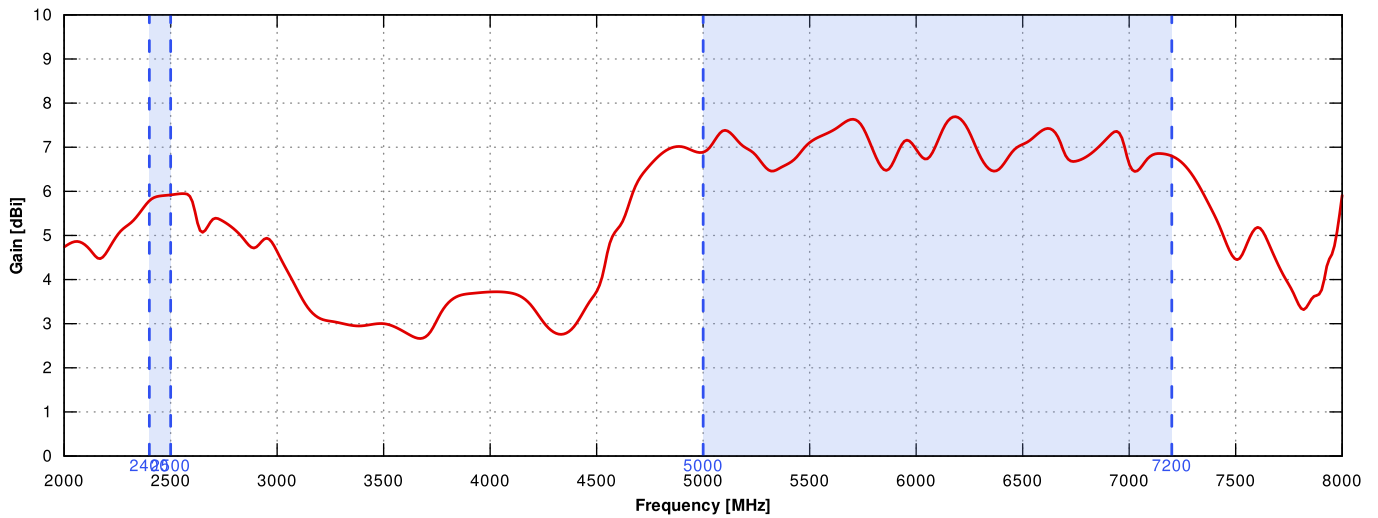
VSWR for Wi-Fi antenna



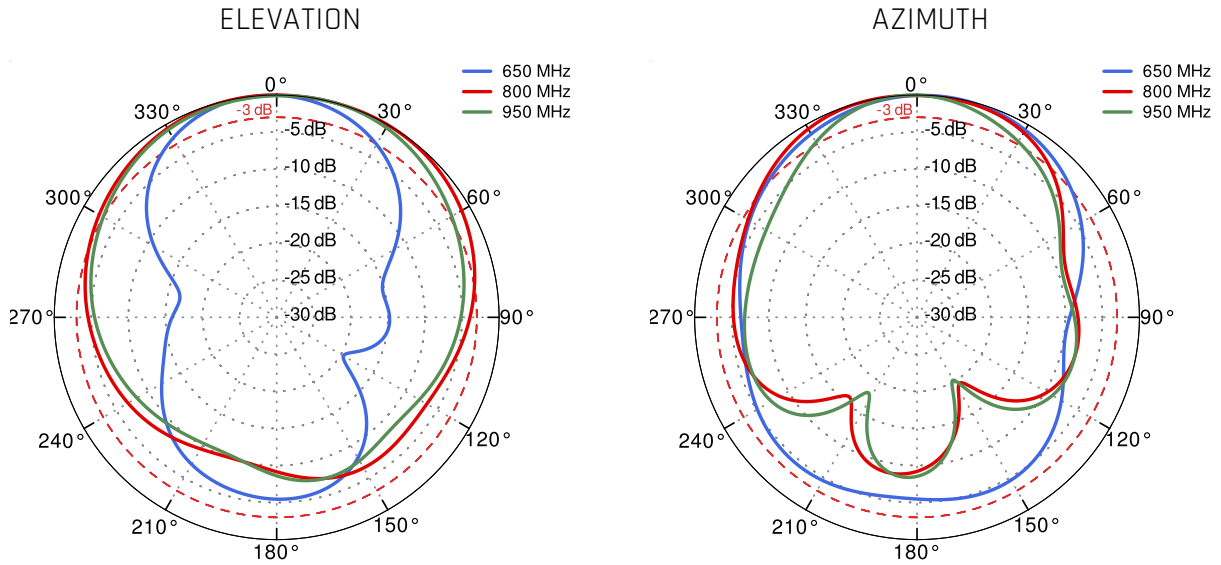
Gain for 5G/LTE antenna



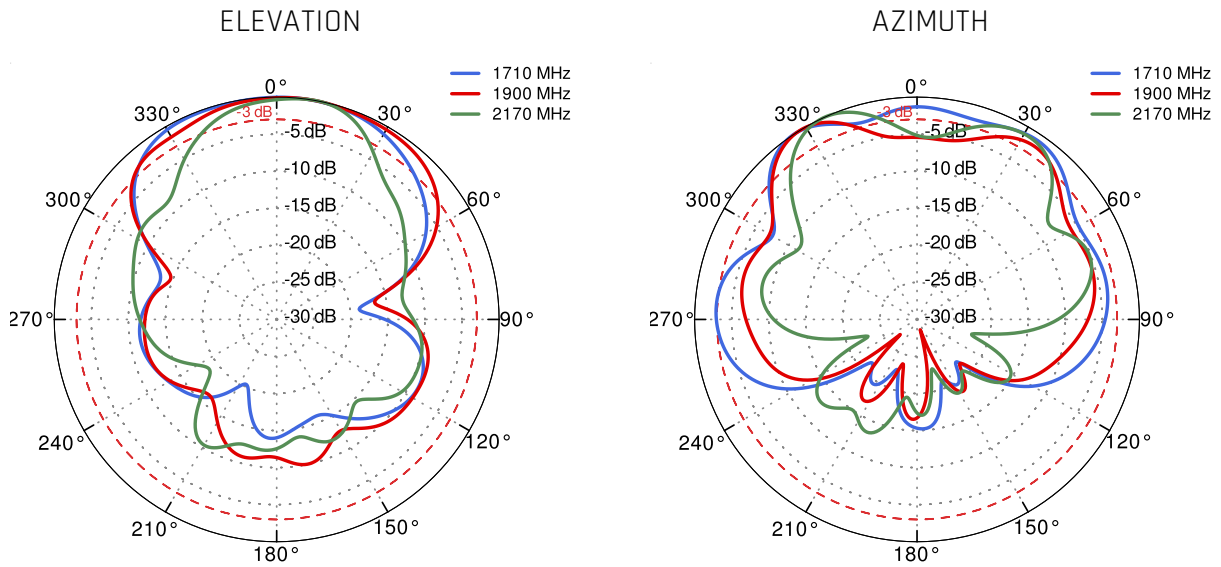
Gain for Wi-Fi antenna



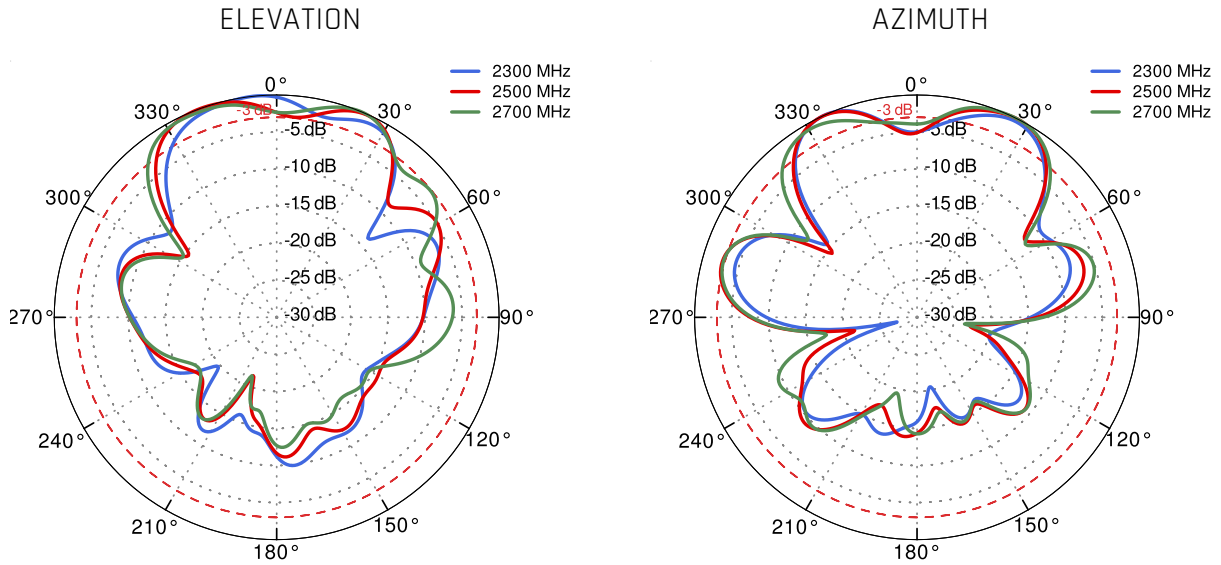
PORT 1&3 - 5G/LTE from 650MHz to 950MHz



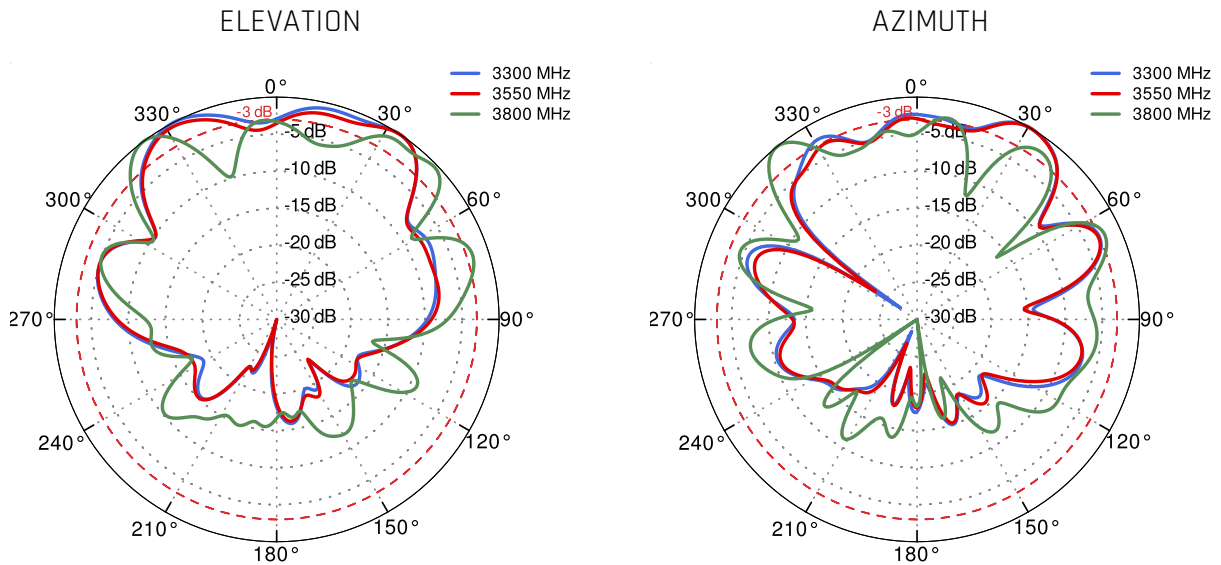
PORT 1&3 - 5G/LTE from 1.71GHz to 2.17GHz



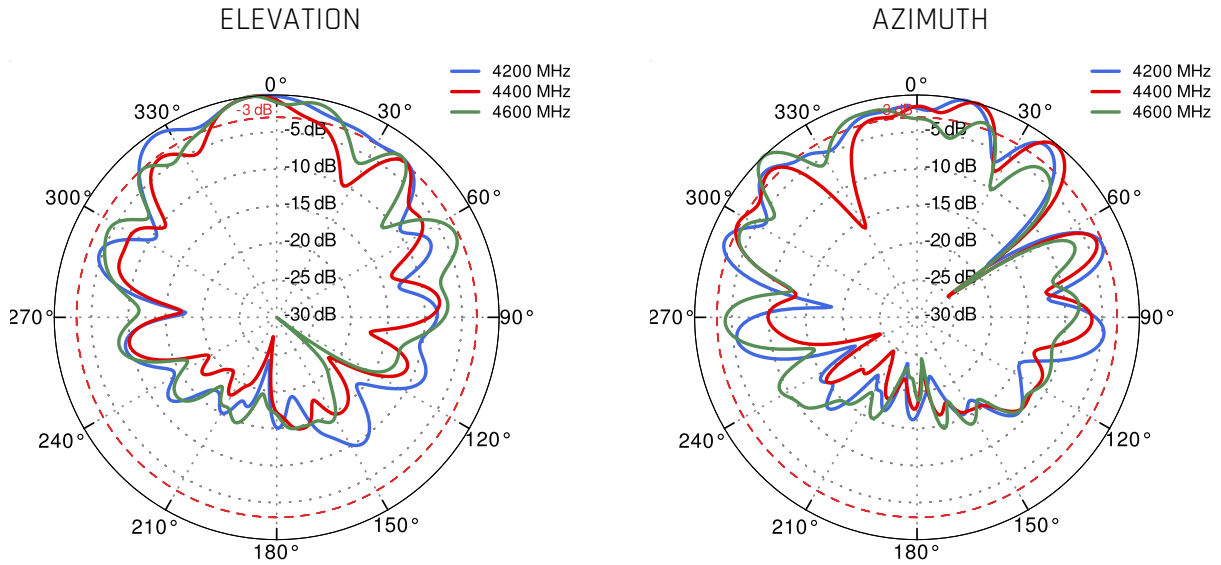
PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz



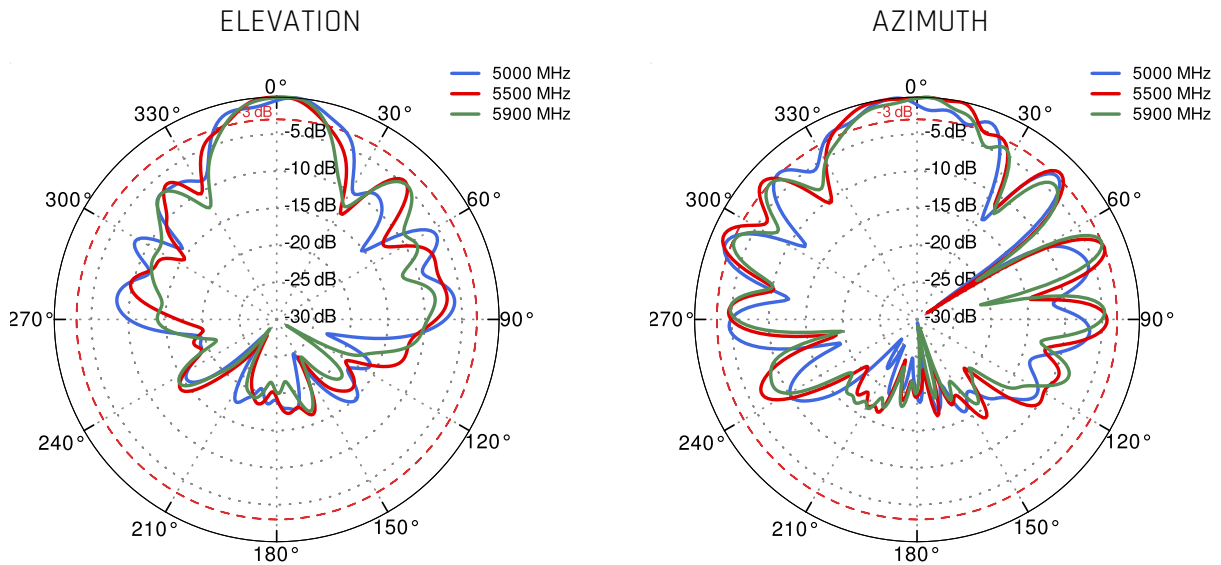
PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz



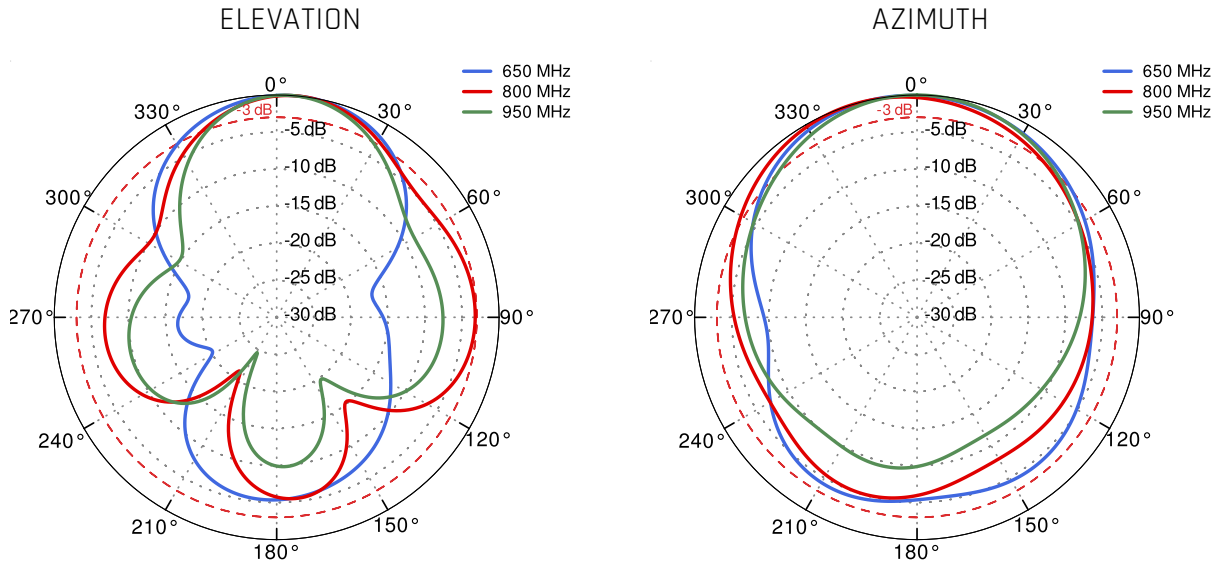
PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz



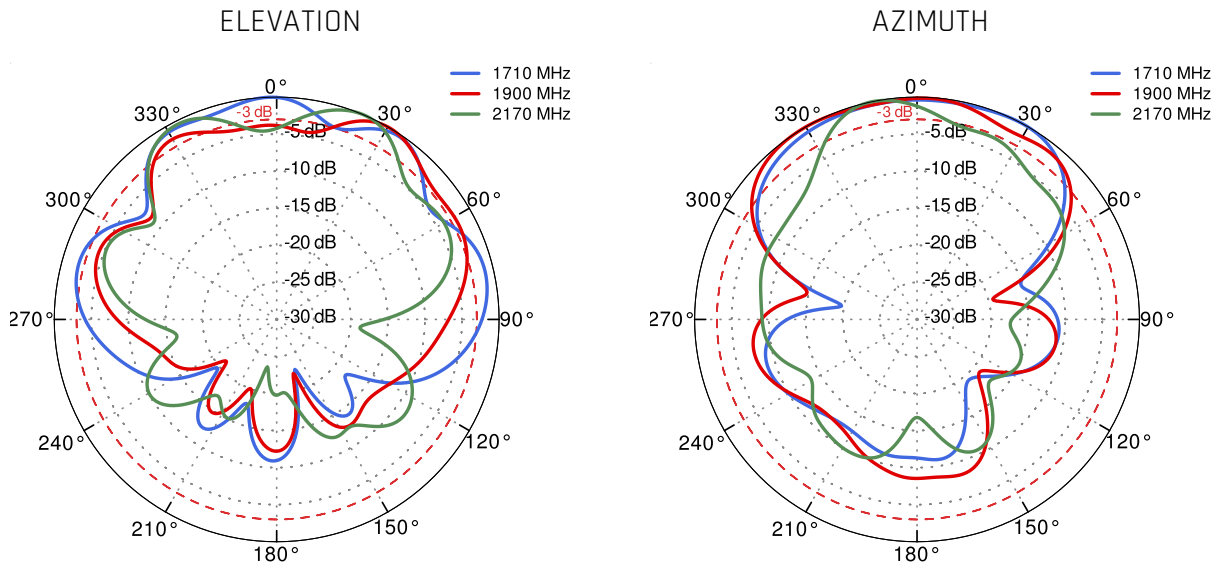
PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz

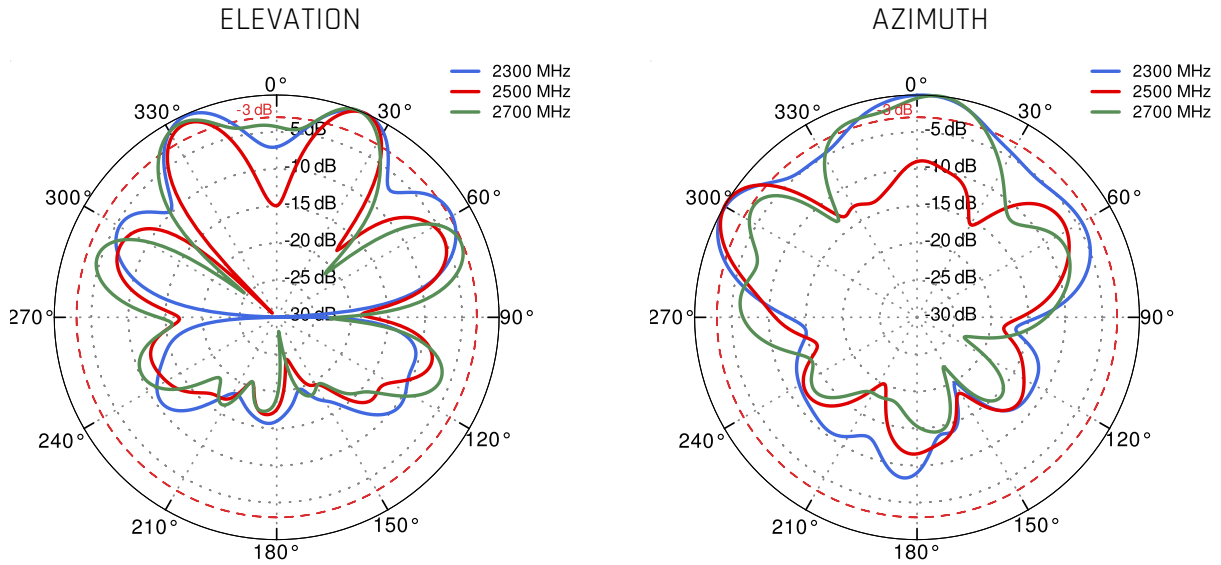
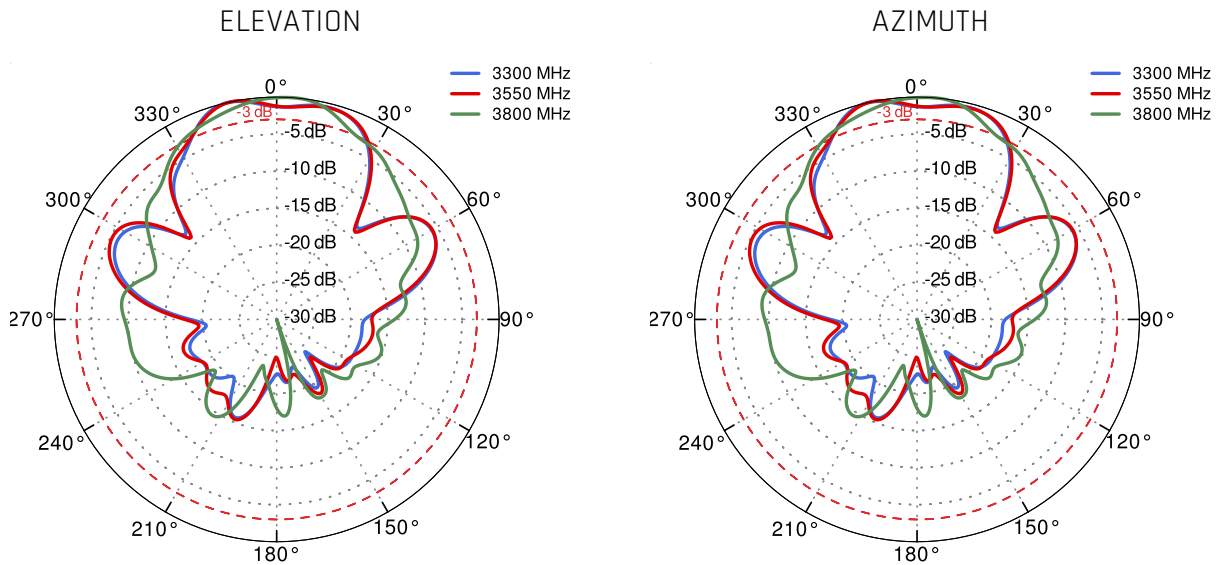


PORT 2&4 - 5G/LTE from 650MHz to 950MHz

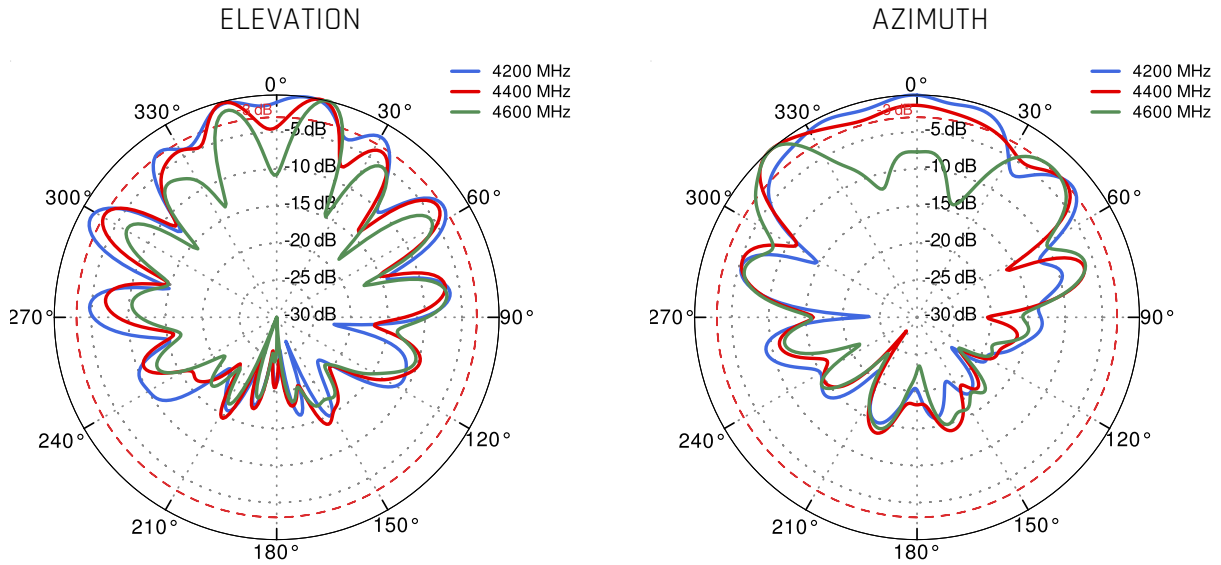


PORT 2&4 - 5G/LTE from 1.71GHz to 2.17GHz

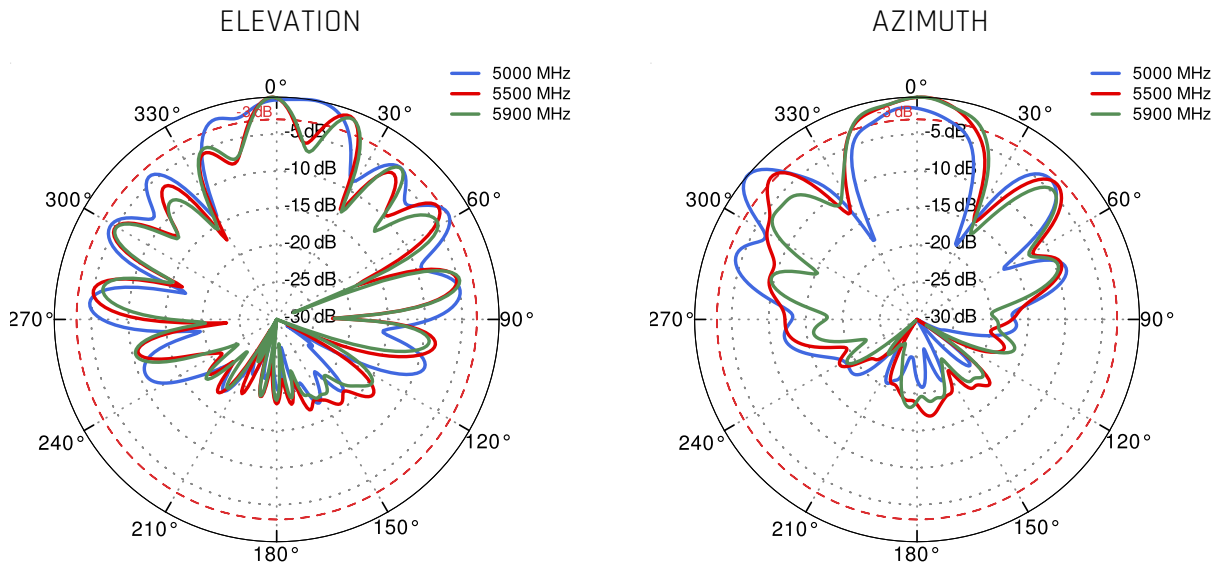


PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz

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


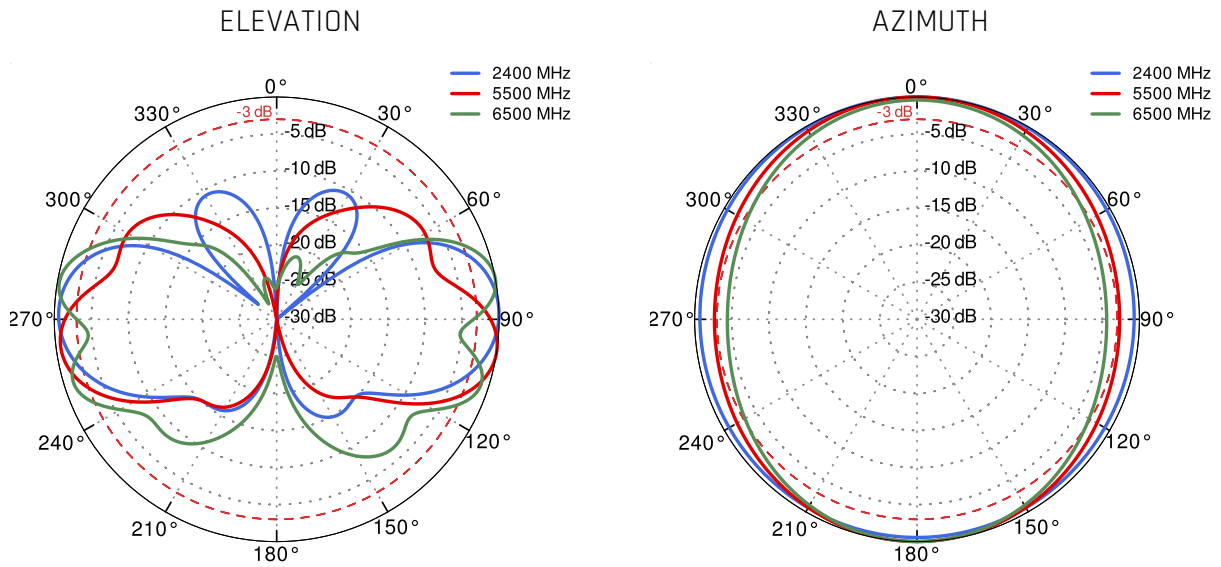
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



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



Wi-Fi 2.4GHz and 5GHz and 6GHz



DIMENSIONS

