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 mulitple use scenatios such as transportation public, energy, mining IoT and more.

5G | BAND 71 | 617-6500MHz | 8 dBi | Wi Fi 6E | GPS | DIRECTIONAL | IP 68 | -40° TO +80°



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 1.0 GHz 1.0 - 3.08 GHz 3.3 - 5.0 GHz 5.0 - 6.5 GHz
MAX. GAIN	0.617 - 1.0 GHz : 6 dBi 1.0 - 3.08 GHz : 8 dBi 3.3 - 5.0 GHz : 6.8 dBi 5.0 - 6.5 GHz : 5.5 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n102, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (+-45degrees)
IMPEDANCE	50 Ω
CONNECTOR	4x SMA
CABLE TYPE	RG316

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 5.0 - 7.125 GHz
MAX. 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)

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CONNECTOR	1x SMA
CABLE TYPE	RG174

MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	486.0 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 DIAMETER	25-66mm 0.98-2.60 inch

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FREQUENCY BANDS

LTE / 4G

617 MHz

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						

6000MHz

5G

617 MHz

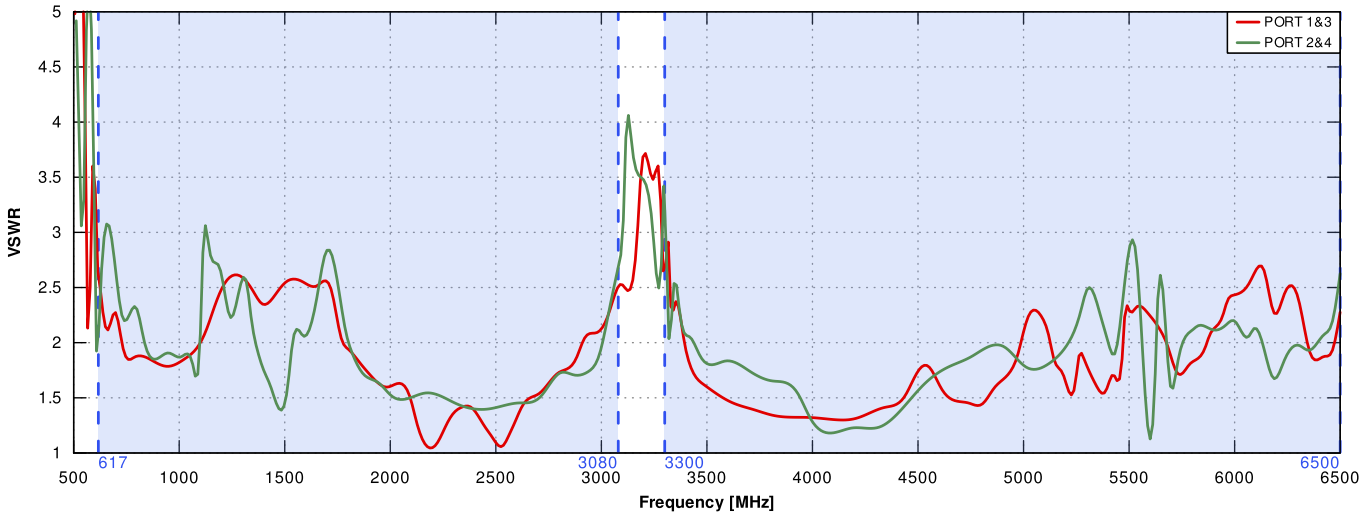
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n13	n14	n18	n20	n25	n26	n28
n29	n30	n34	n38	n39	n40	n41
n46	n47	n48	n53	n65	n66	n67
n71	n77	n78	n80	n81	n82	n83
n84	n85	n86	n89	n90	n95	n97
n98	n100	n101	n256			

6000 MHz

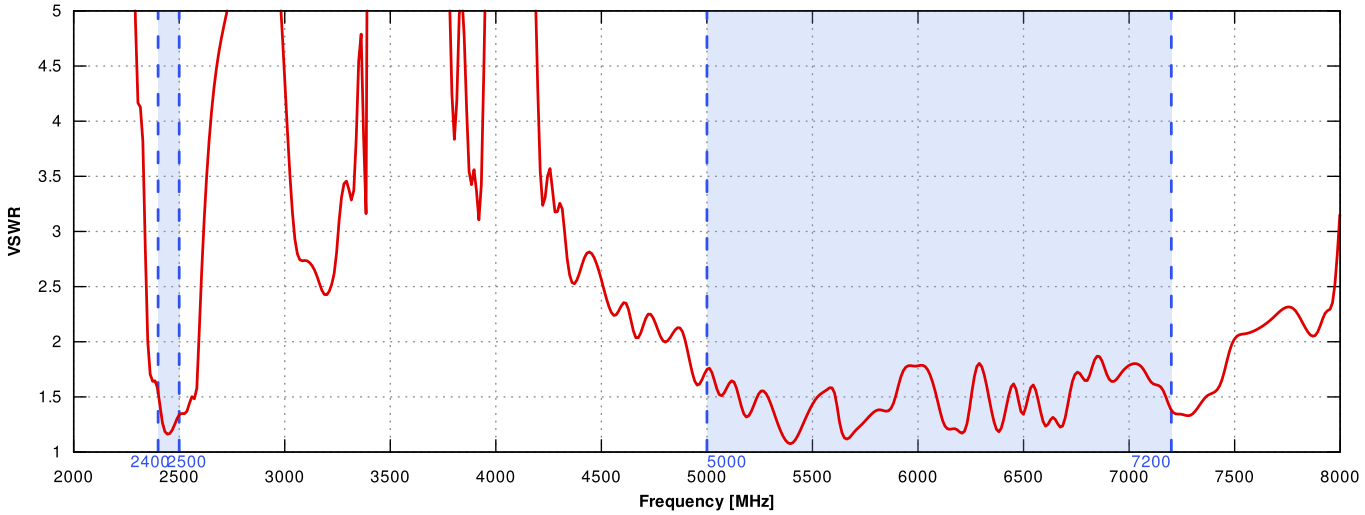
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PLOTS

VSWR for 5G/LTE antenna

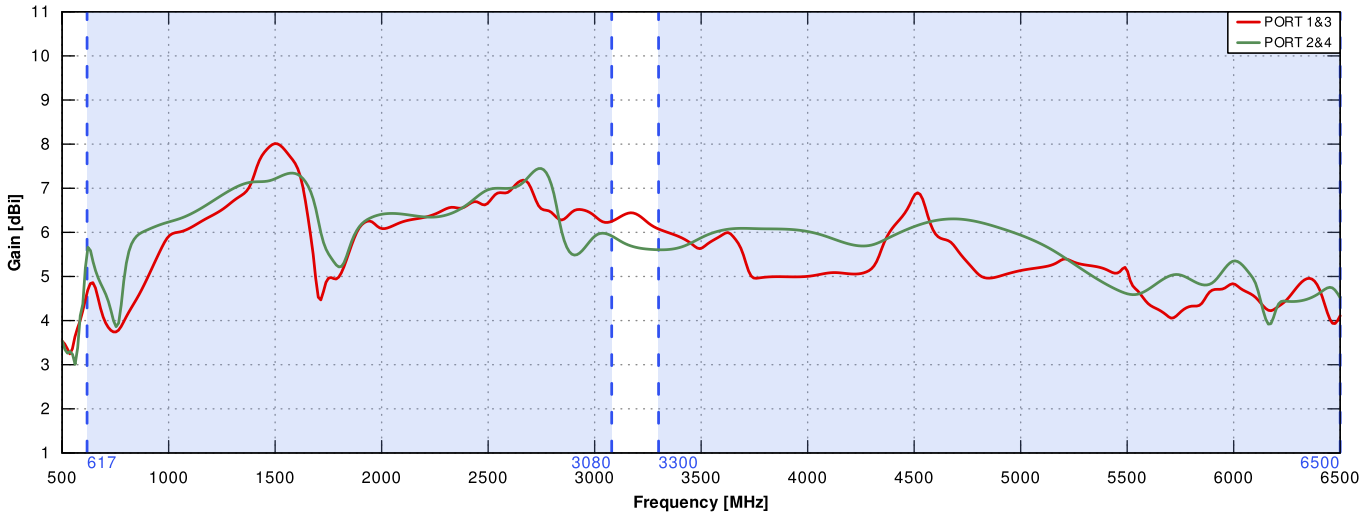


VSWR for Wi-Fi antenna

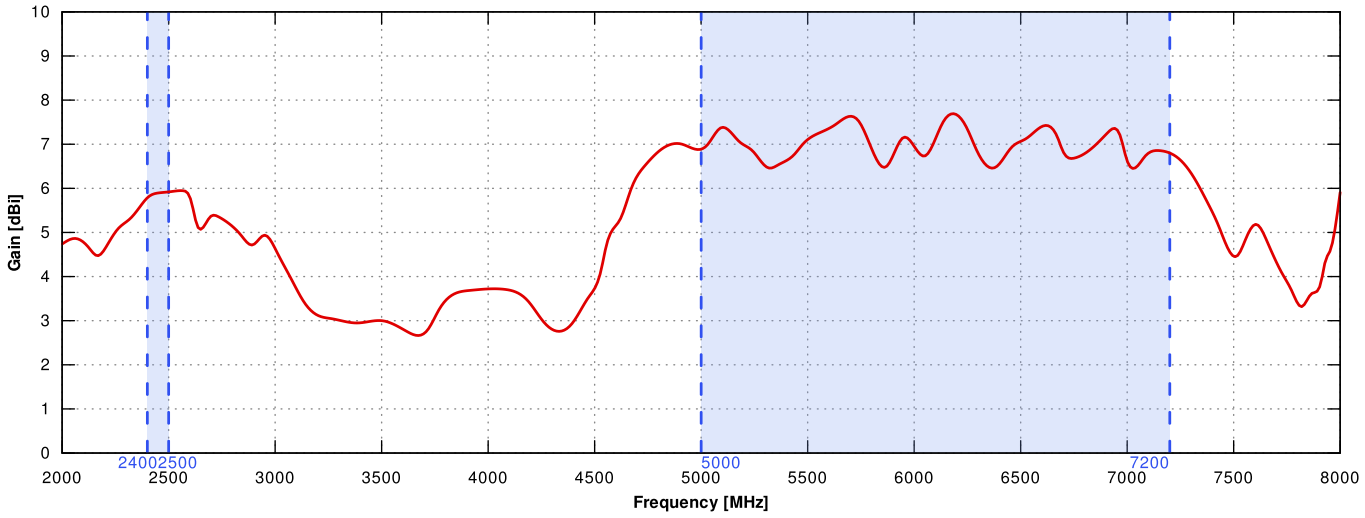


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Gain for 5G/LTE antenna



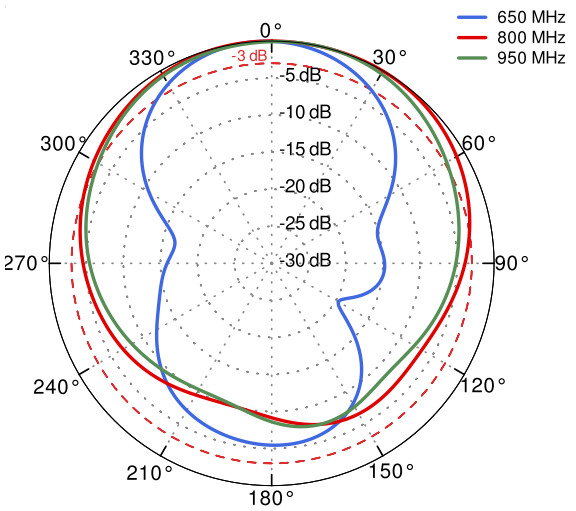
Gain for Wi-Fi antenna



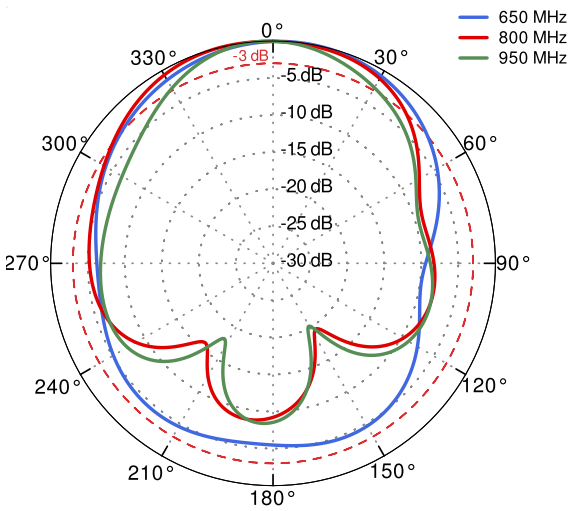
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PORT 1&3 - 5G/LTE from 650MHz to 950MHz

ELEVATION

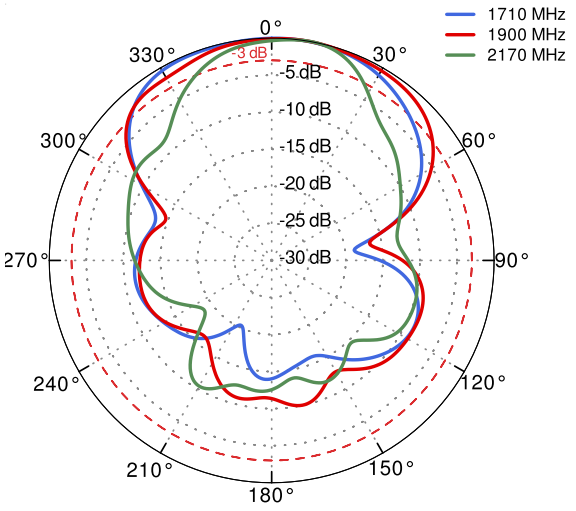


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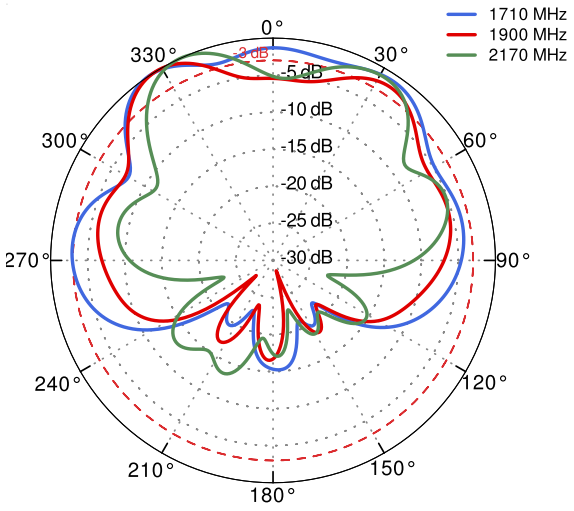


PORT 1&3 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



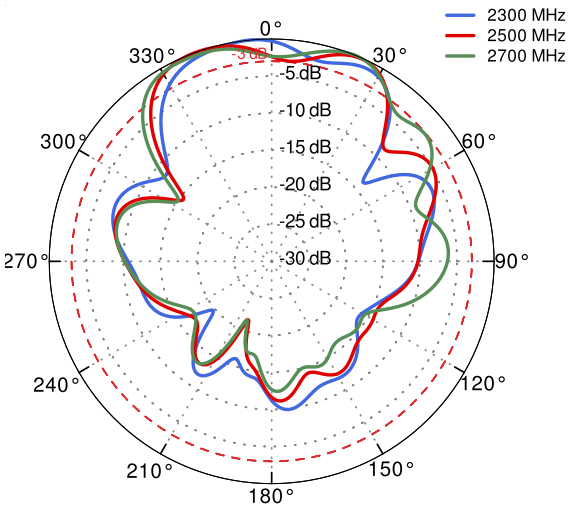
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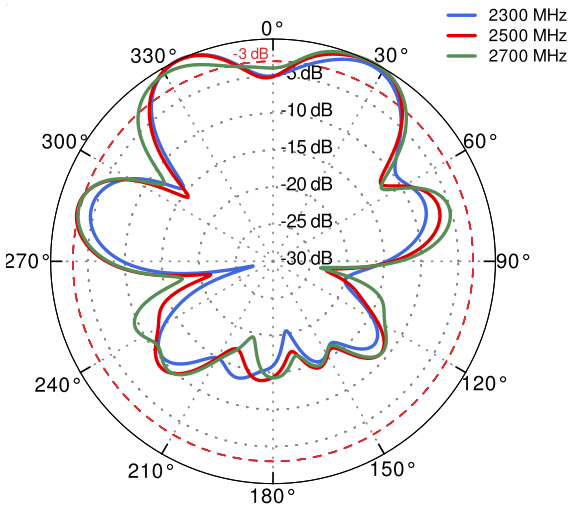
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PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

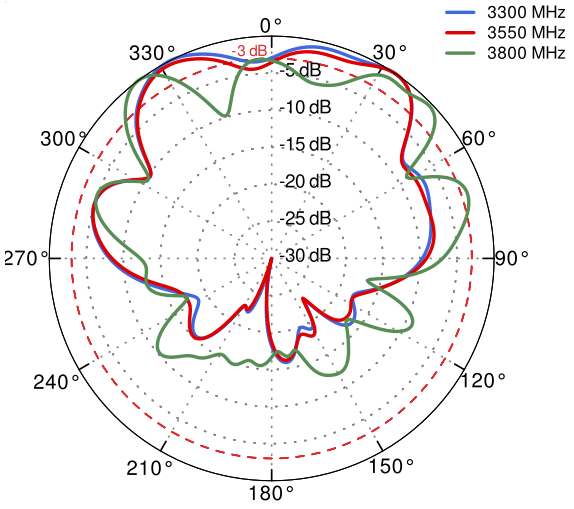


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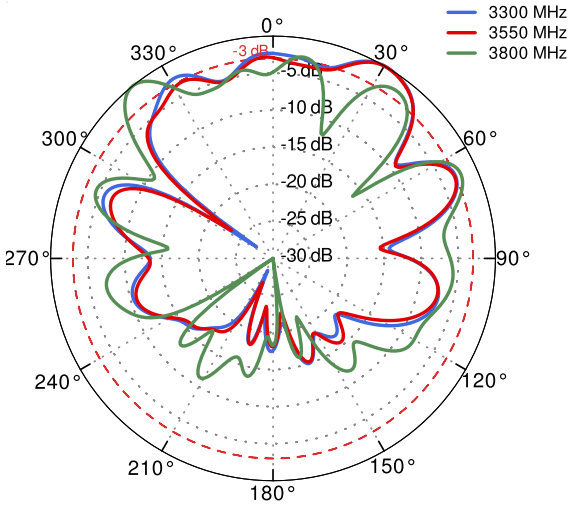


PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz

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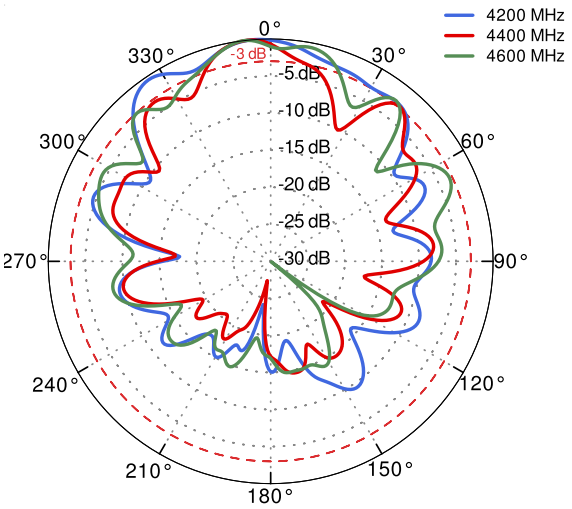
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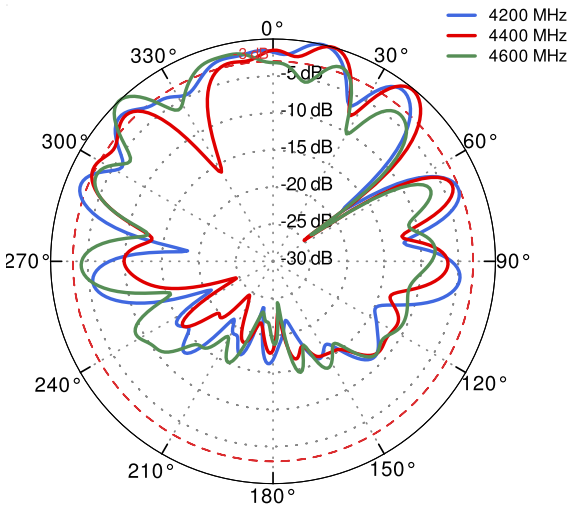
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PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION

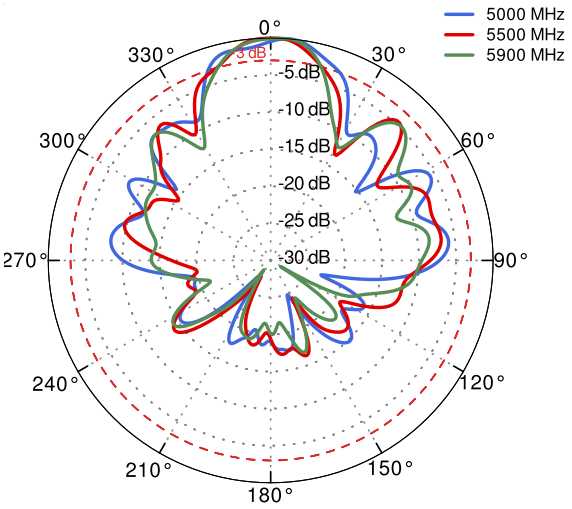


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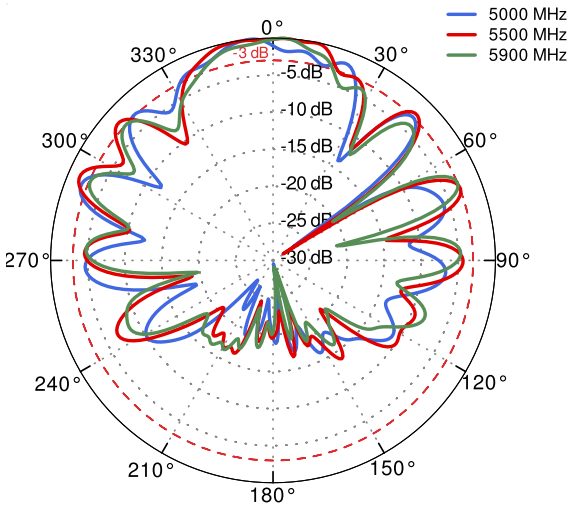


PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



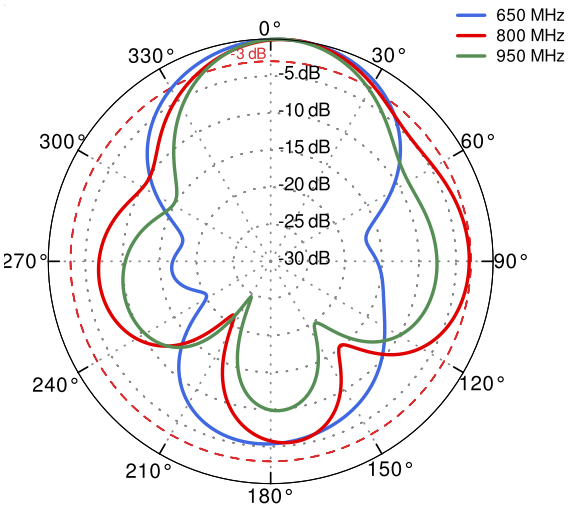
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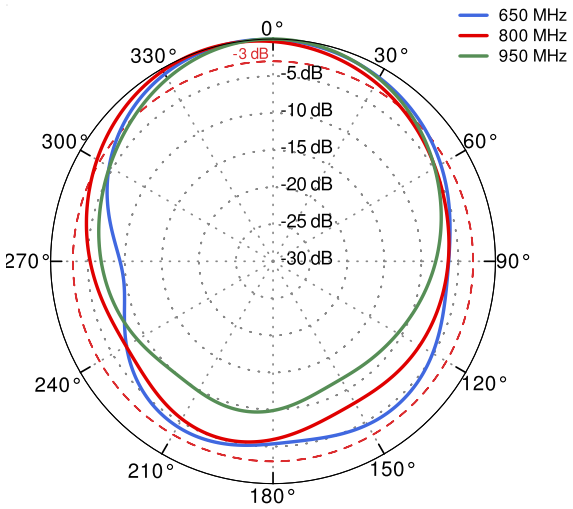
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PORT 2&4 - 5G/LTE from 650MHz to 950MHz

ELEVATION

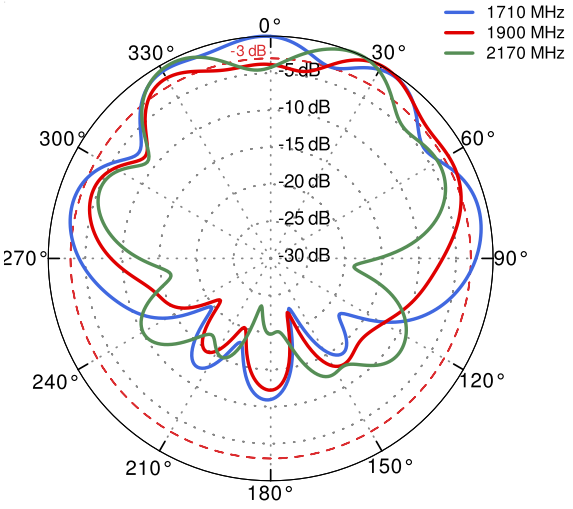


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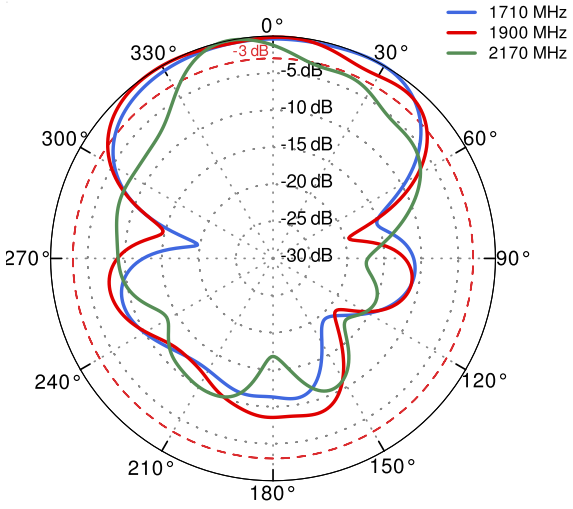


PORT 2&4 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



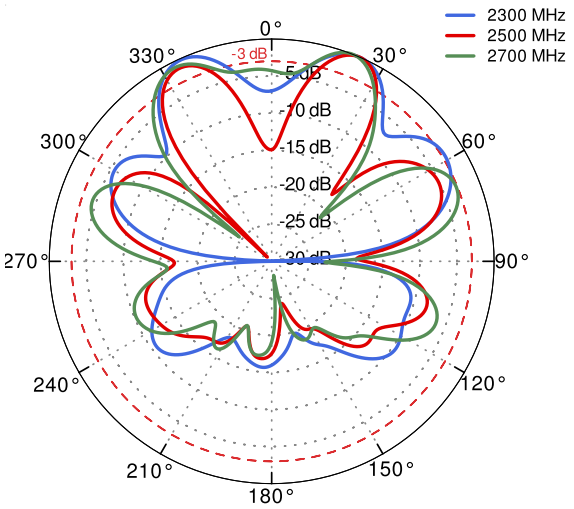
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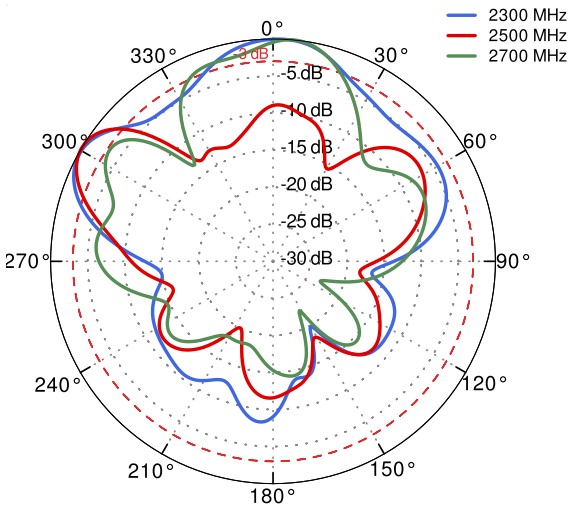
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PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

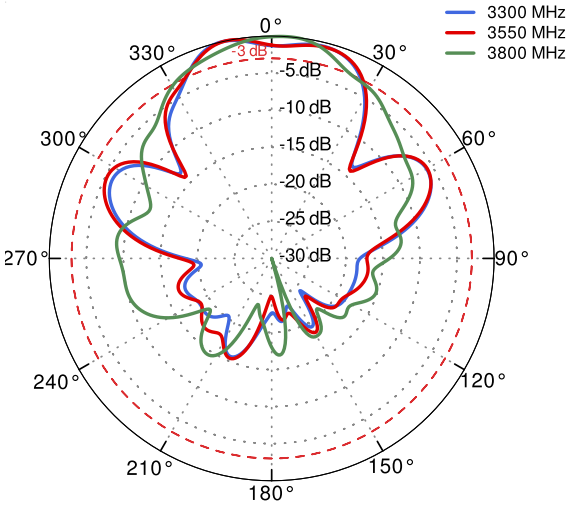


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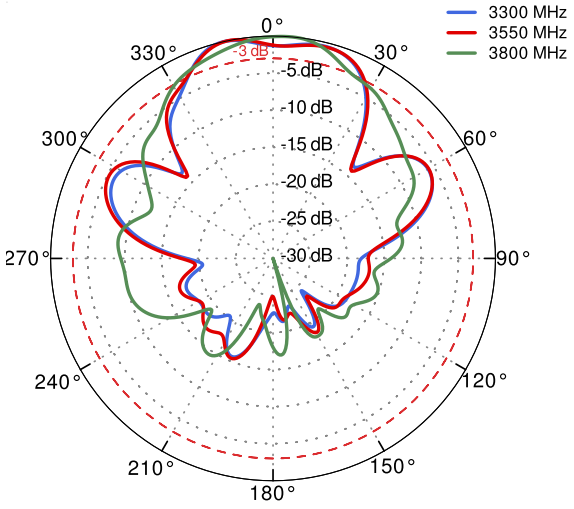


PORT 2&4 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



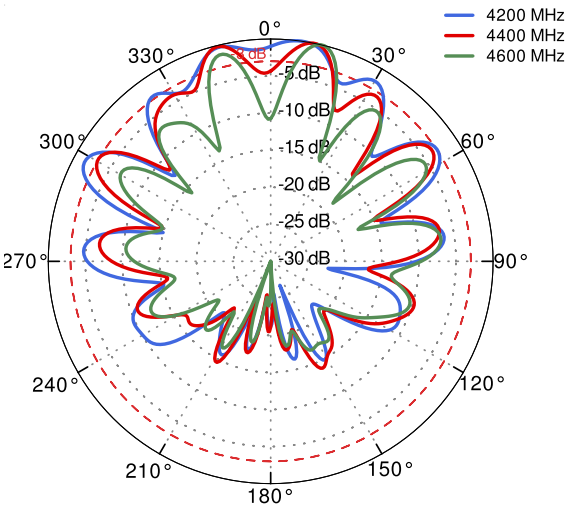
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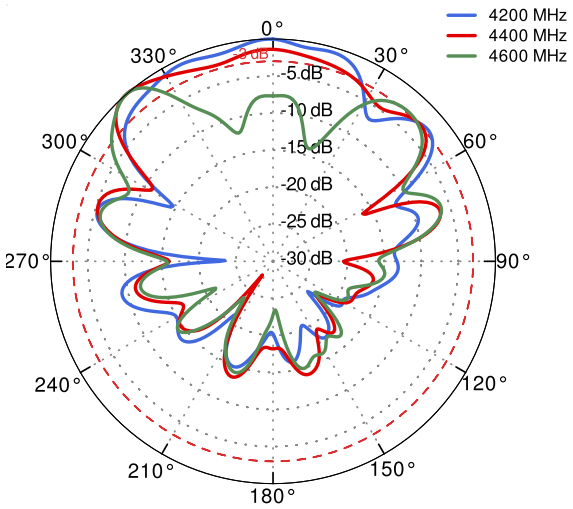
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PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

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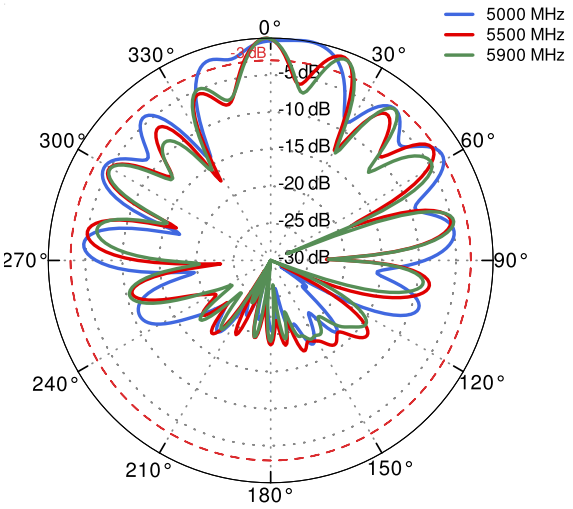


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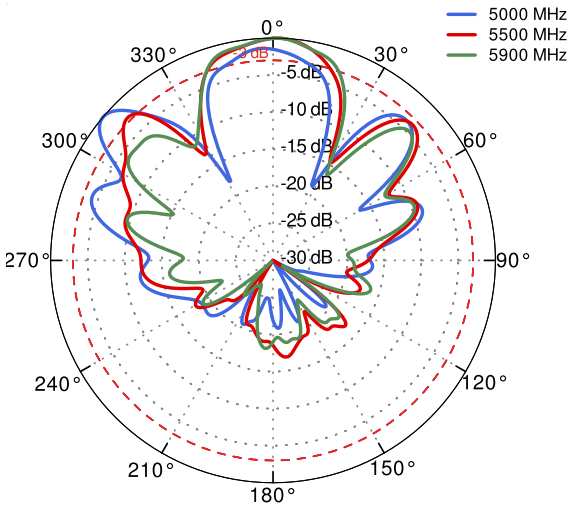


PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



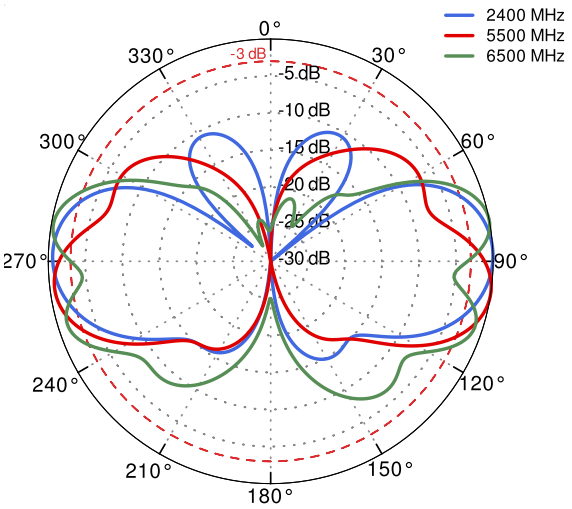
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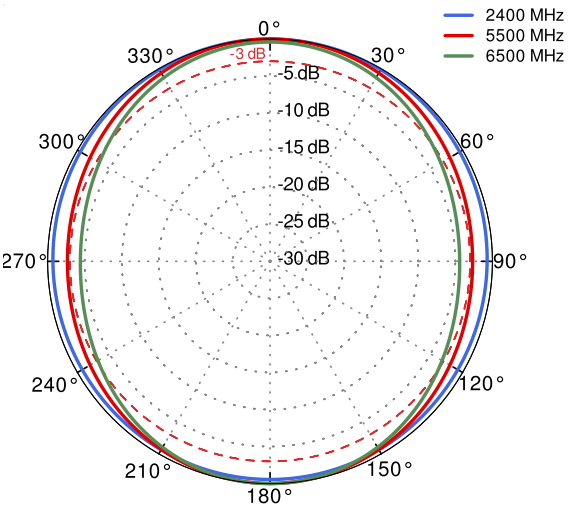
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Wi-Fi 2.4GHz and 5GHz and 6GHz

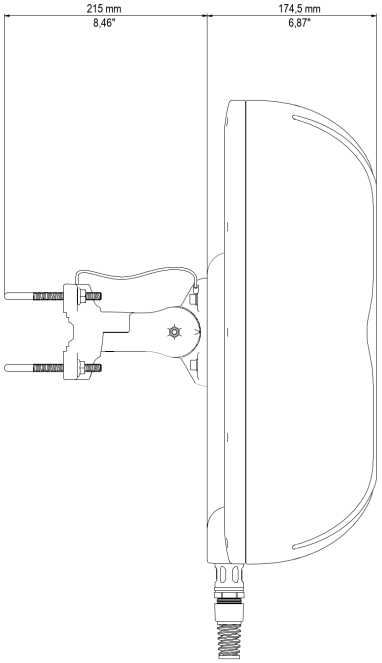
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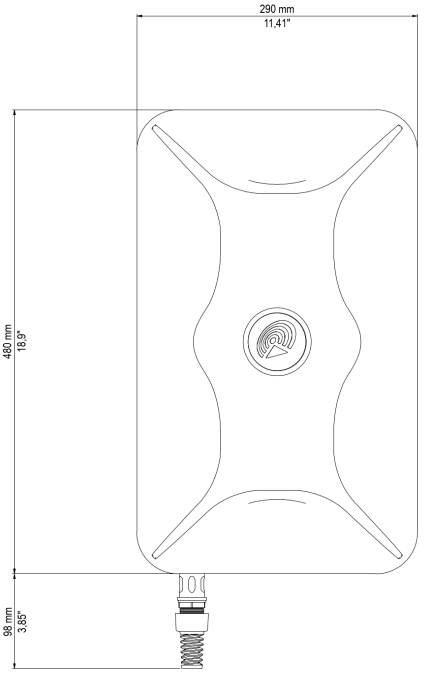


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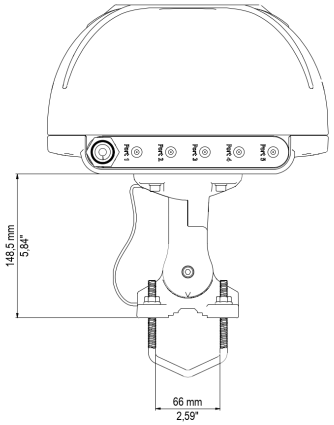


DIMENSIONS





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