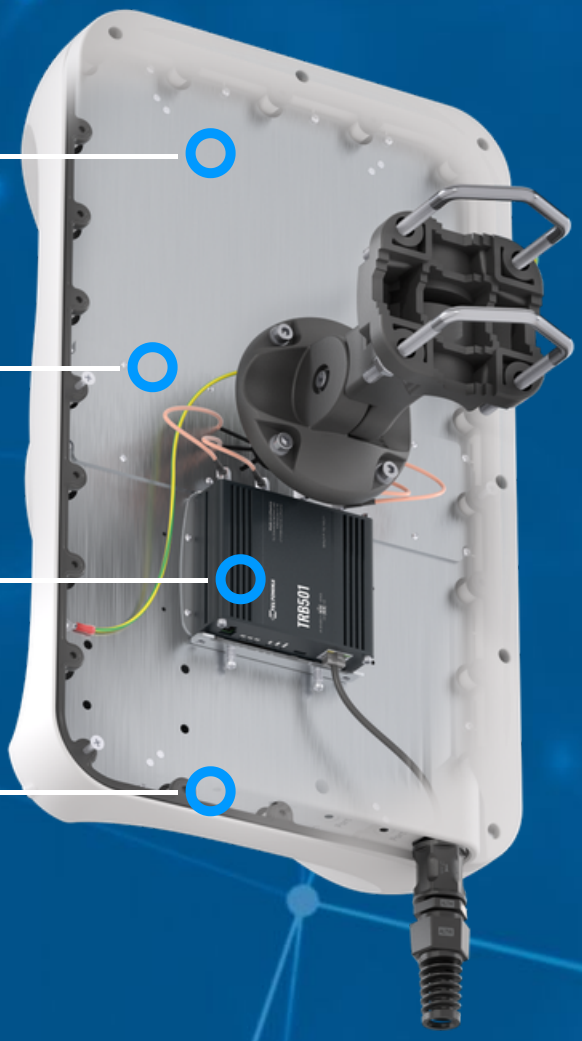
QuMax for Teltonika TRB501

INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + PLACE TO INSTALL TELTONIKA TRB501 (ALL-IN-ONE)

QuMax for TRB501 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 antennas integrated in IP68 enclosure. It offers 8 dBi gain and wide beamwidth, which makes it suitable for use in both urban and rural environments.
Combining QuMax with TRB501 inside the antenna housing gives you complete outdoor solution with mulitple use scenarios such as transportation public, energy, mining IoT and more.

5G | BAND 71 | 617-6500MHz | 8 dBi | DIRECTIONAL | IP 68 | -40° TO +80°

- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68
- ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER
- POE PASSIVE **POE SUPPORT**
- MADE IN **EUROPE**



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

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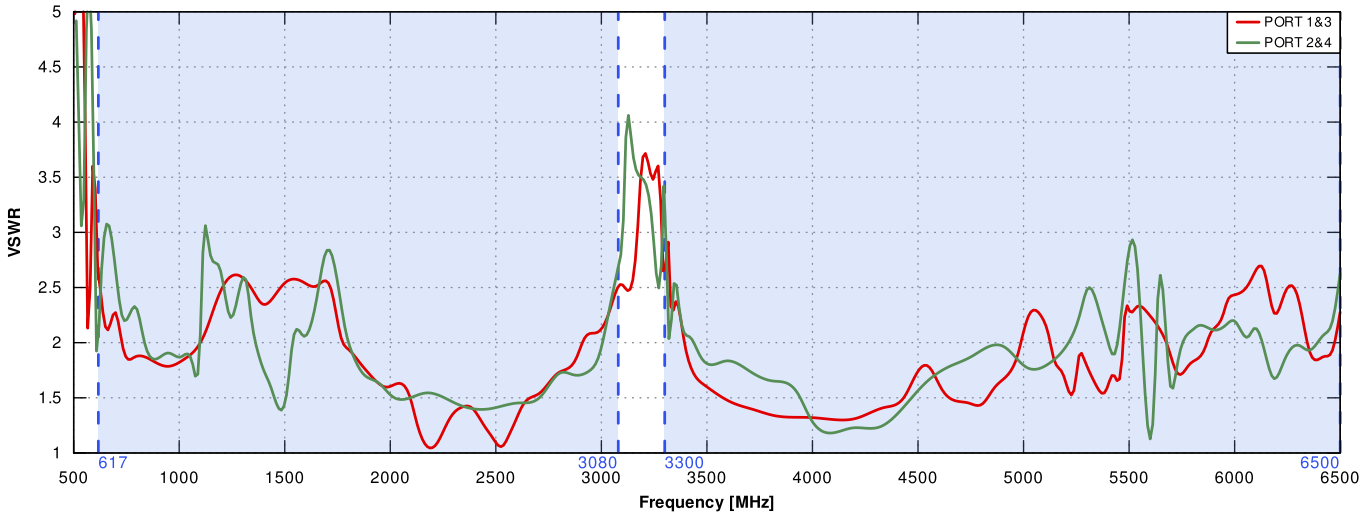
MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	486.0 x 292.2 x 175.4 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
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

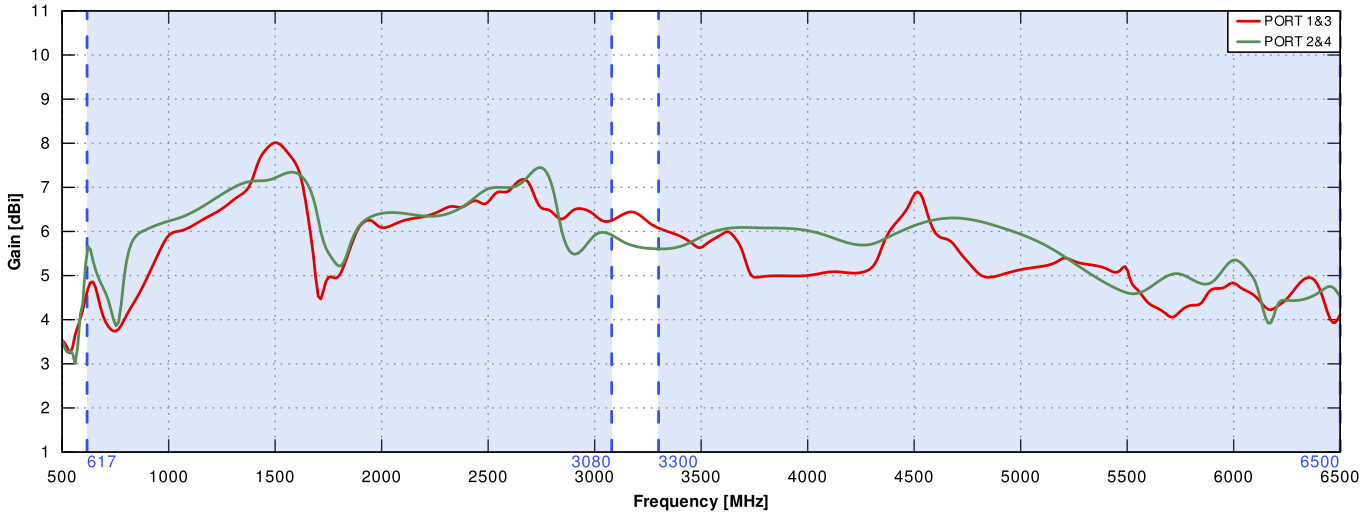
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PLOTS

VSWR for 5G/LTE antenna



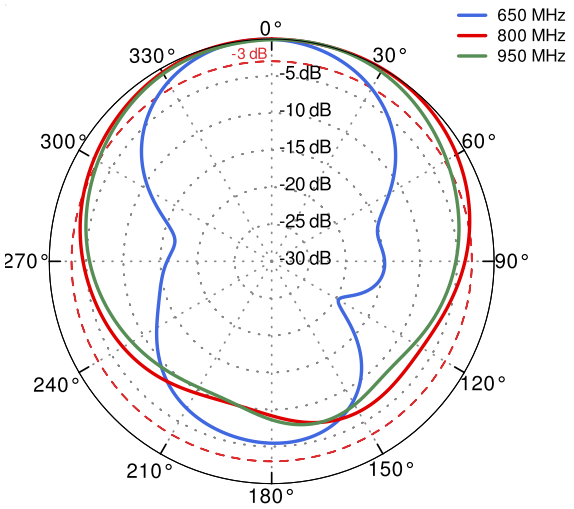
Gain for 5G/LTE antenna



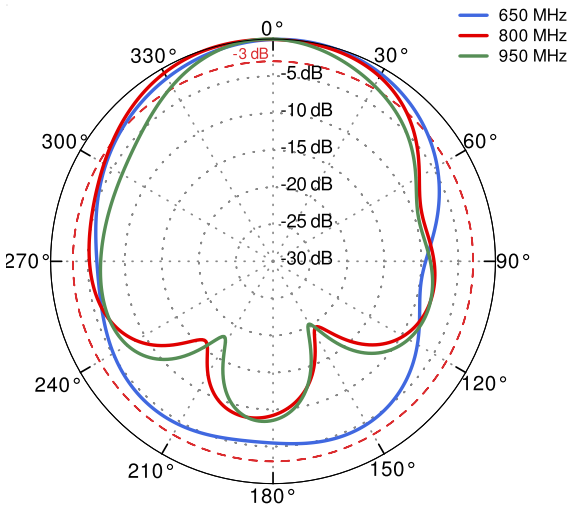
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PORT 1&3 - 5G/LTE From 650MHz to 950MHz

ELEVATION

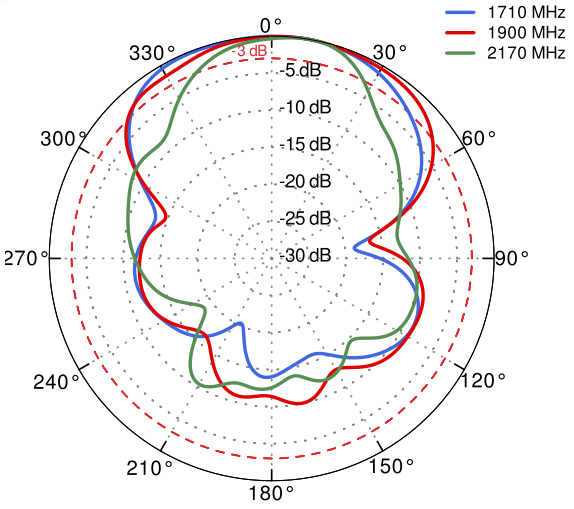


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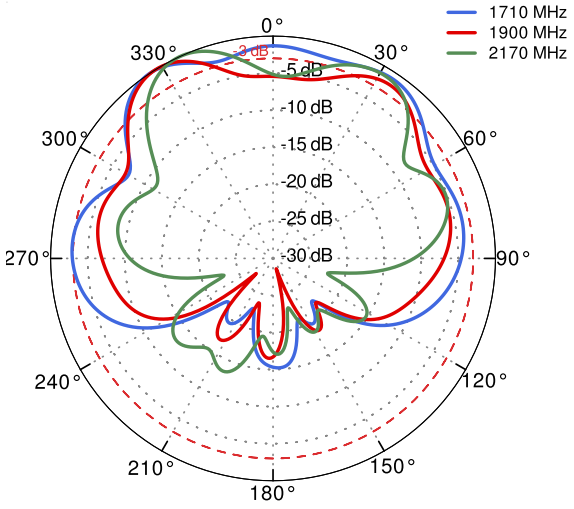


PORT 1&3 - 5G/LTE From 1710MHz to 2170MHz

ELEVATION



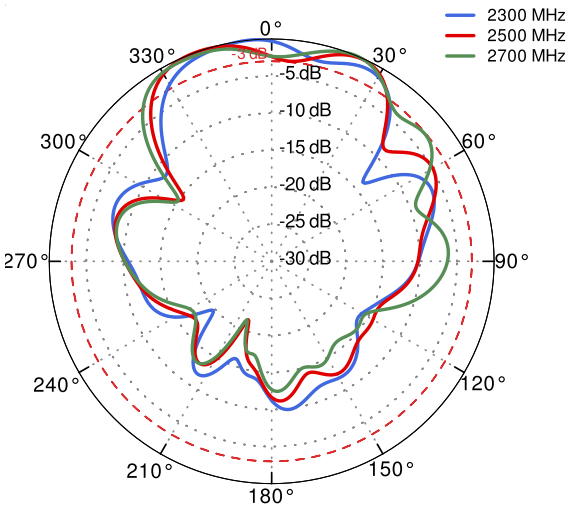
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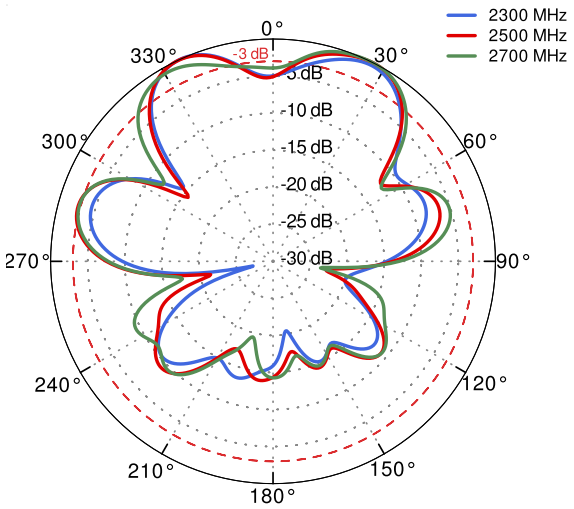
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PORT 1&3 - 5G/LTE From 2300MHz to 2700MHz

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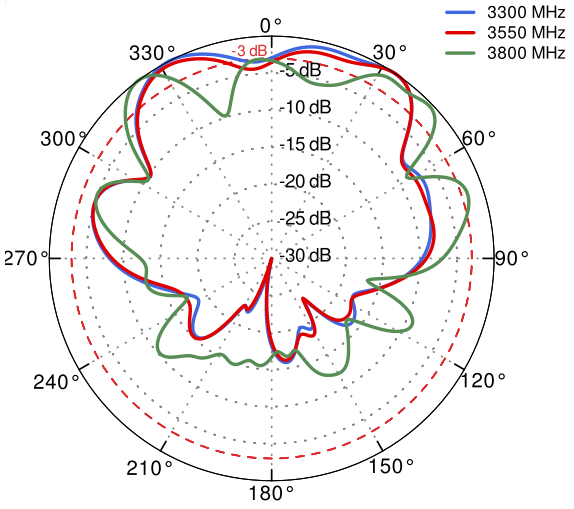


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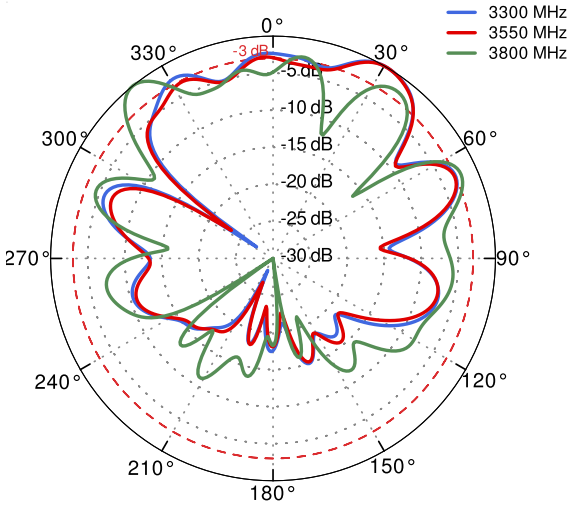


PORT 1&3 - 5G/LTE From 3300MHz to 3800MHz

ELEVATION



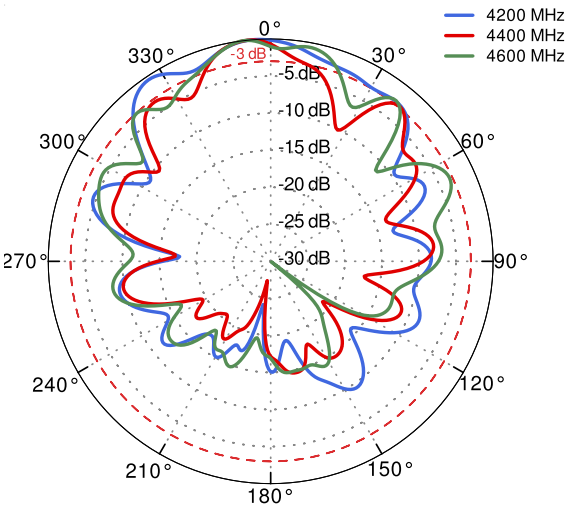
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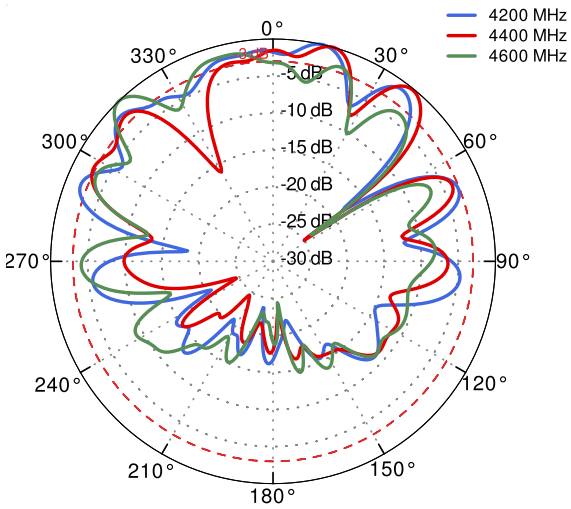
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PORT 1&3 - 5G/LTE From 4200MHz to 4600MHz

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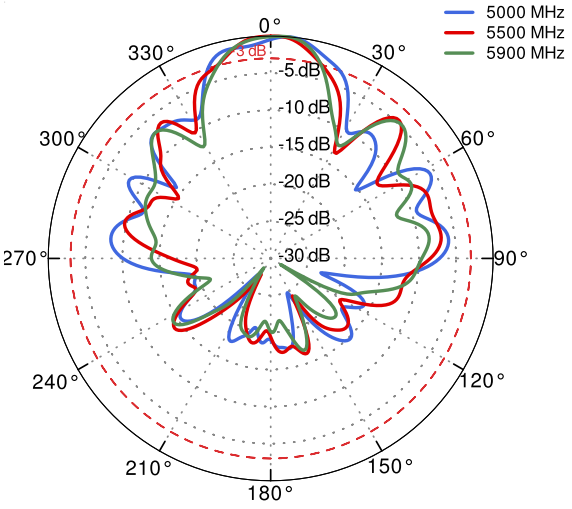


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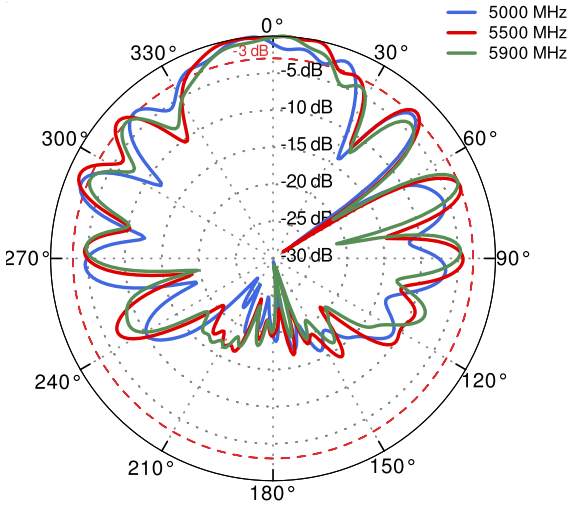


PORT 1&3 - 5G/LTE From 5000MHz to 5900MHz

ELEVATION



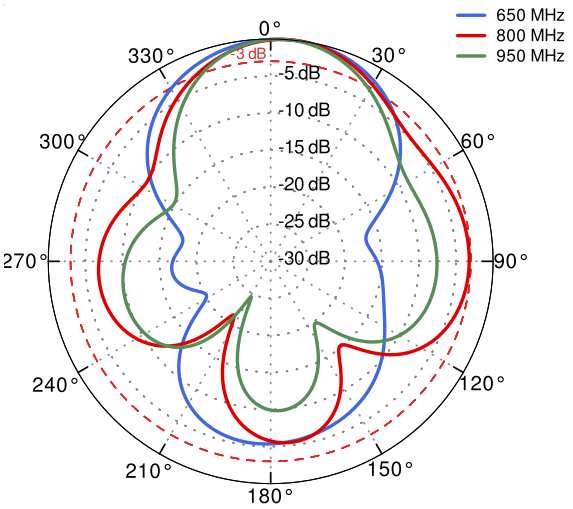
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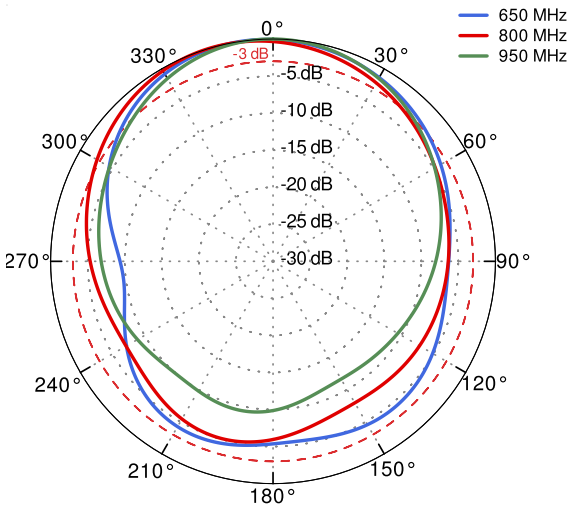
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PORT 2&4 - 5G/LTE From 650MHz to 950MHz

ELEVATION

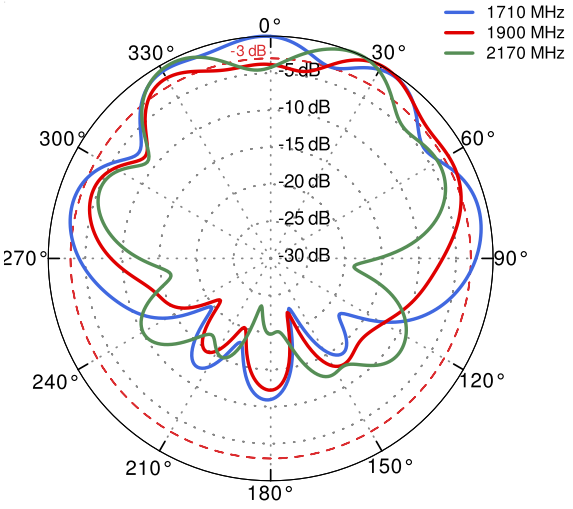


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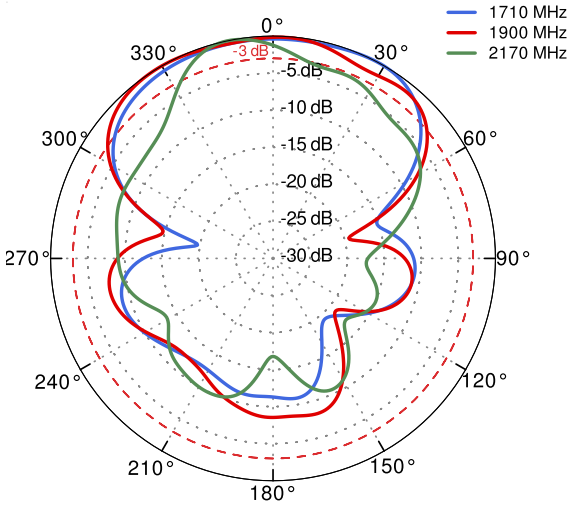


PORT 2&4 - 5G/LTE From 1710MHz to 2170MHz

ELEVATION



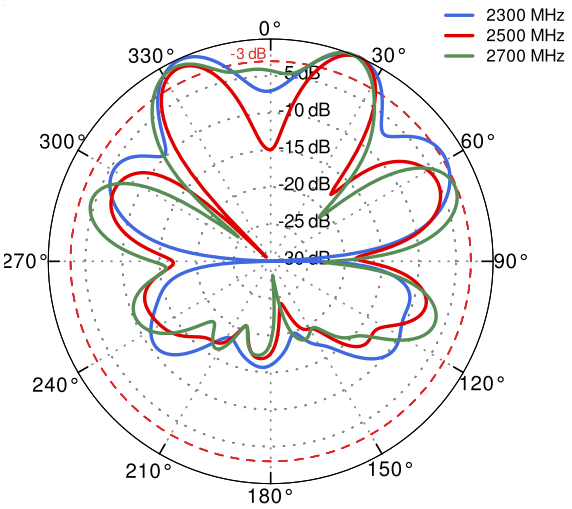
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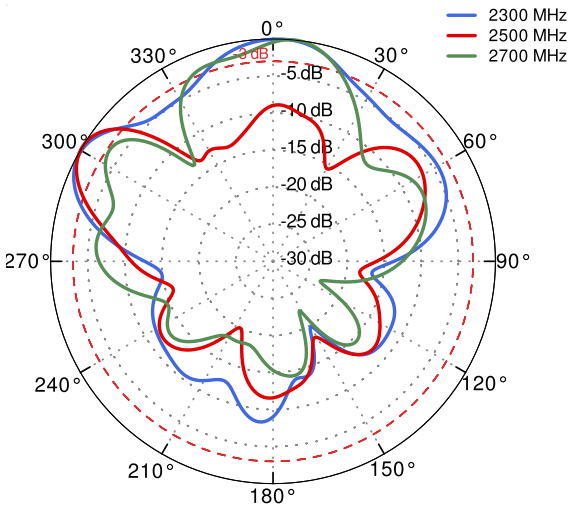
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PORT 2&4 - 5G/LTE From 2300MHz to 2700MHz

ELEVATION

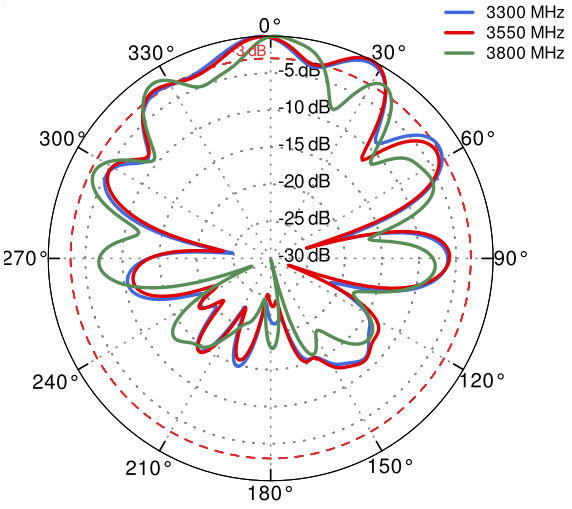


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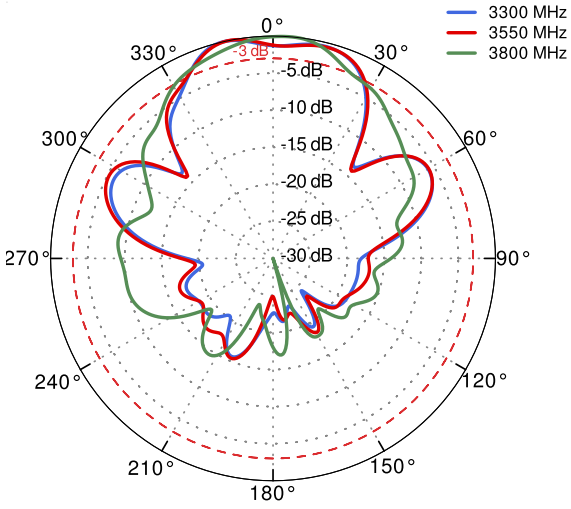


PORT 2&4 - 5G/LTE From 3300MHz to 3800MHz

ELEVATION



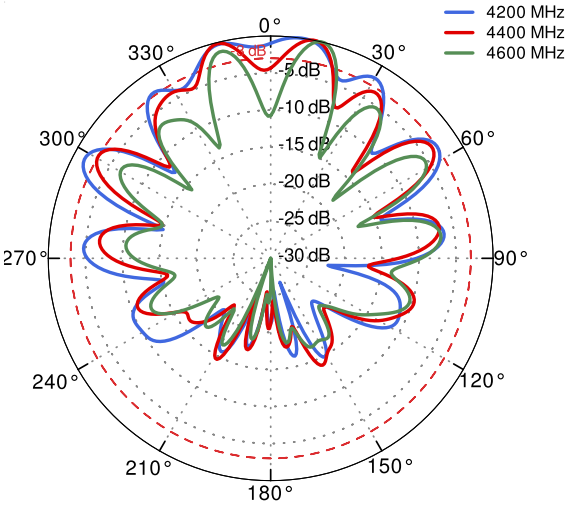
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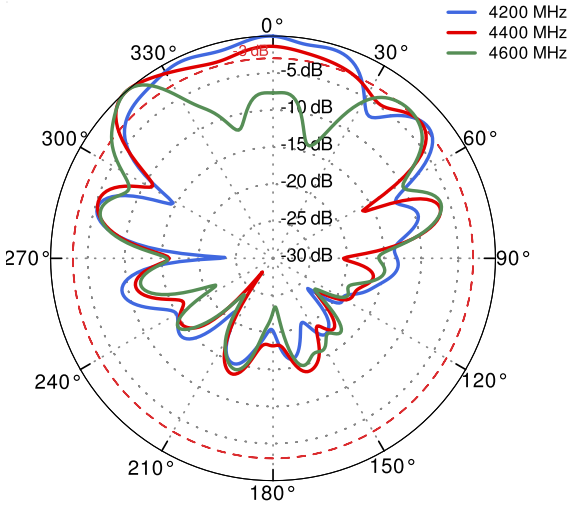
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PORT 2&4 - 5G/LTE From 4200MHz to 4600MHz

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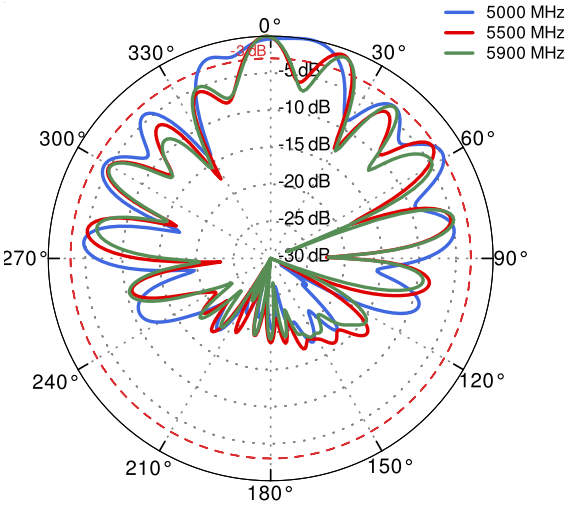


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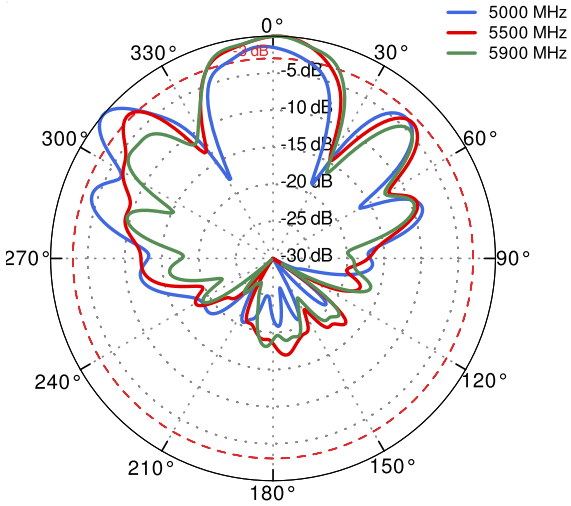


PORT 2&4 - 5G/LTE From 5000MHz to 5900MHz

ELEVATION



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DIMENSIONS



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