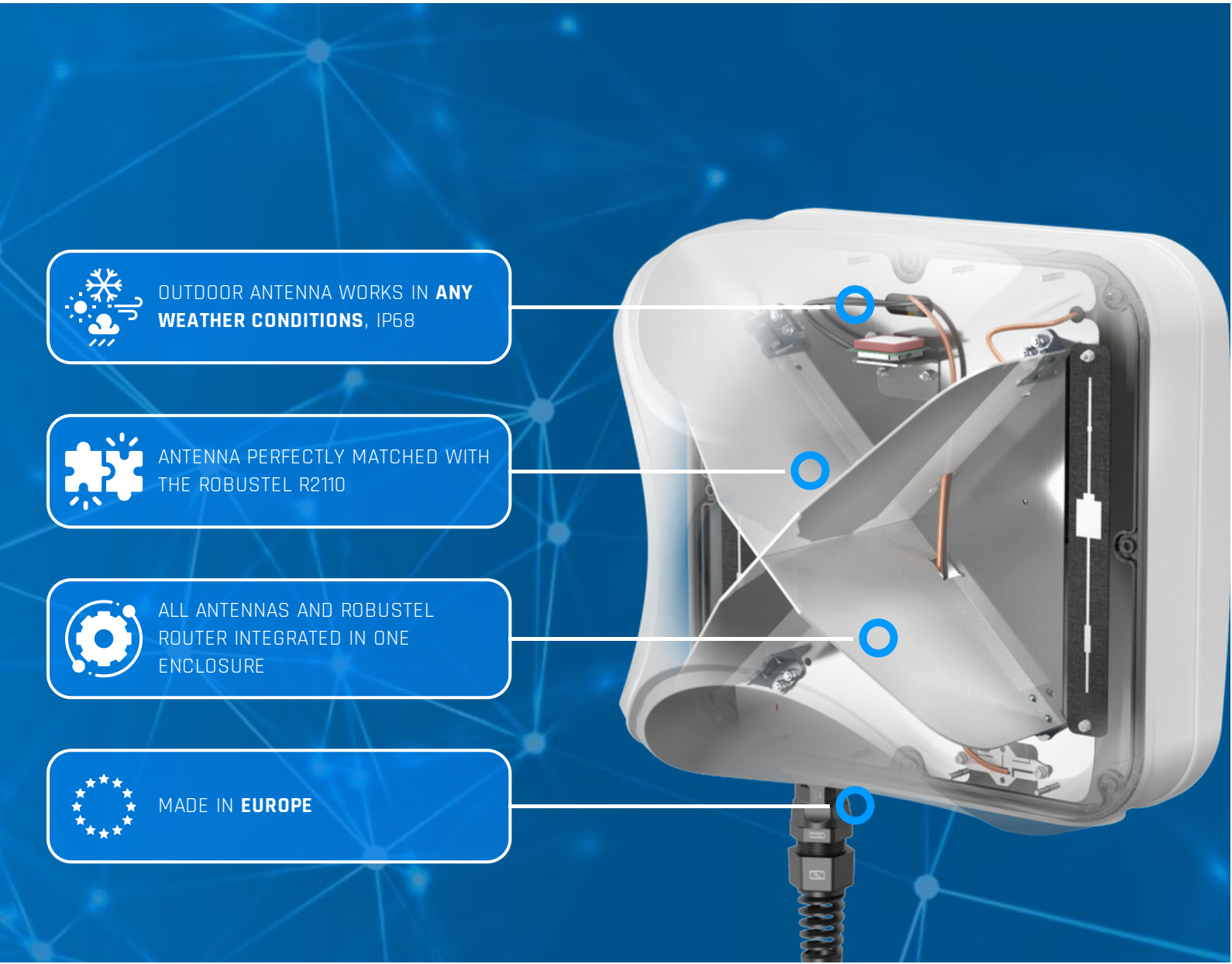
QuMax for Robustel R2110

INTEGRATED MULTI-BAND LTE DIRECTIONAL ANTENNA + WIFI OMNI ANTENNA + BLUETOOTH ANTENA + GPS ANTENNA + PLACE TO INSTALL ROBUSTEL R2110 (ALL-IN-ONE)

QuMax all-in-one antenna for Robustel R2110 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 6E, Bluetooth and GPS antenna. If you use R2110 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

Note! This antenna comes in two different versions, depending on your router configuration. When you use R2110 supporting Power over Ethernet (PoE) please choose version "no PoE splitter'. For R2110 without PoE support, please choose "PoE splitter" version. Compatible Robustel part numbers available in the specification below.

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



5G/LTE 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	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
VSWR	< 1.50, max < 2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	ASA, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm

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MOUNTING KIT

DIMENSIONS	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
REGULATION RANGE	+/- 30°
MAST DIAMETER RANGE	25 - 66mm 0.98-2.60 inch
MATERIAL	Polyamide with fiberglass + galvanized steel U-Bolts
WEIGHT	0.87kg
MOUNTING PLACE	Wall or mast or ceiling

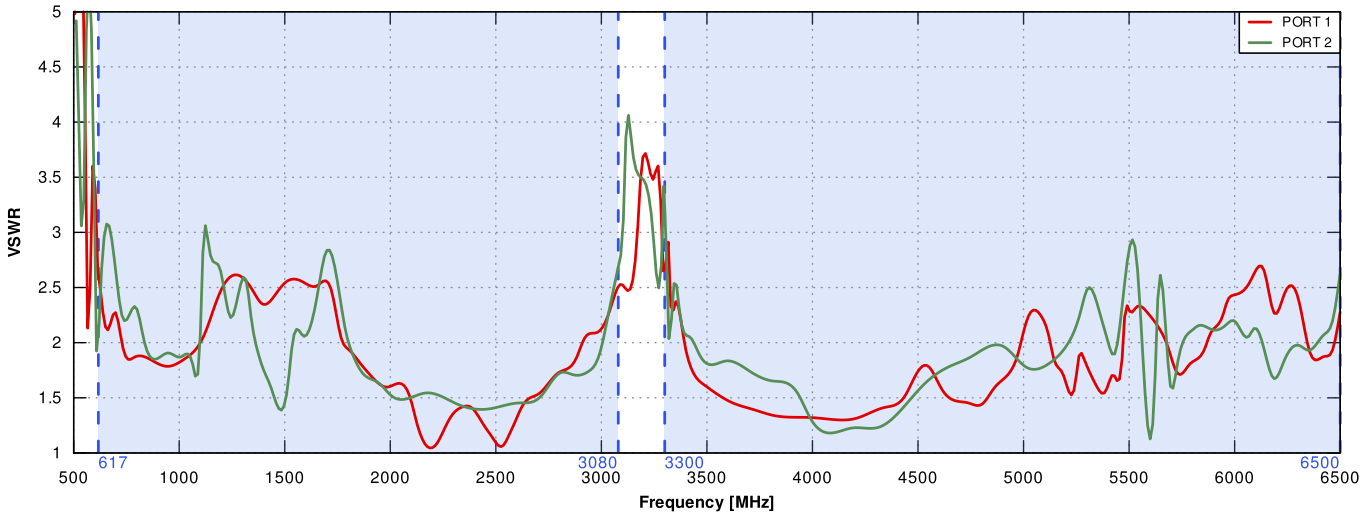
COMPATIBLE PART NUMBERS

NO POE SPLITTER	B044722 B044730 B044733 B044735 B044737 B044738 B044742 B044743 B044744
POE SPLITTER	B044746 B044748 B044749 B044751

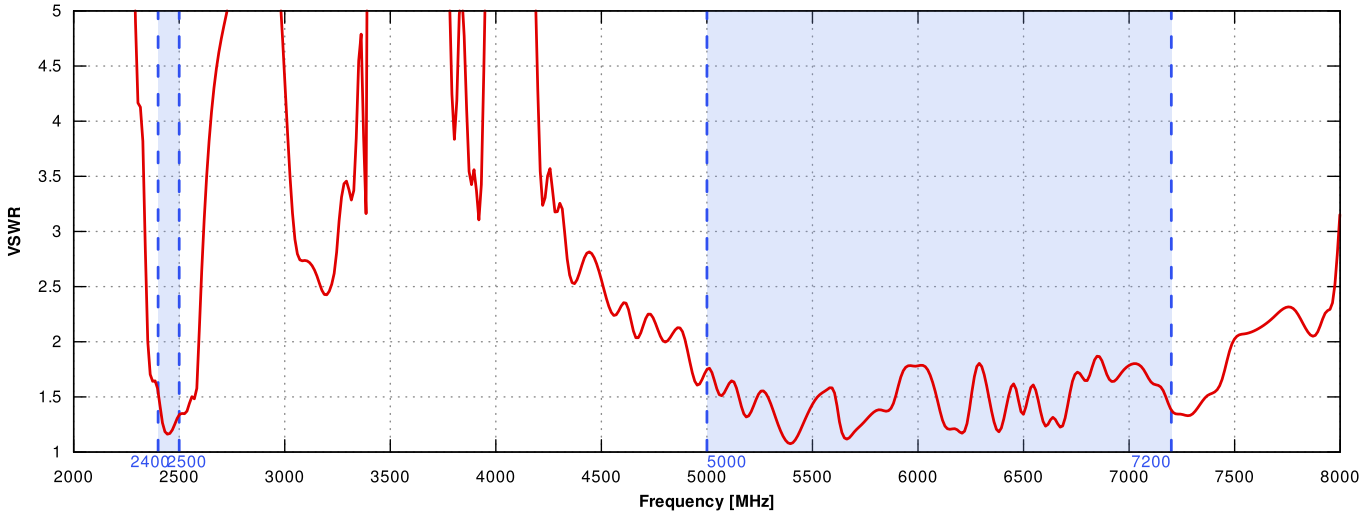
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PLOTS

5G/LTE VSWR

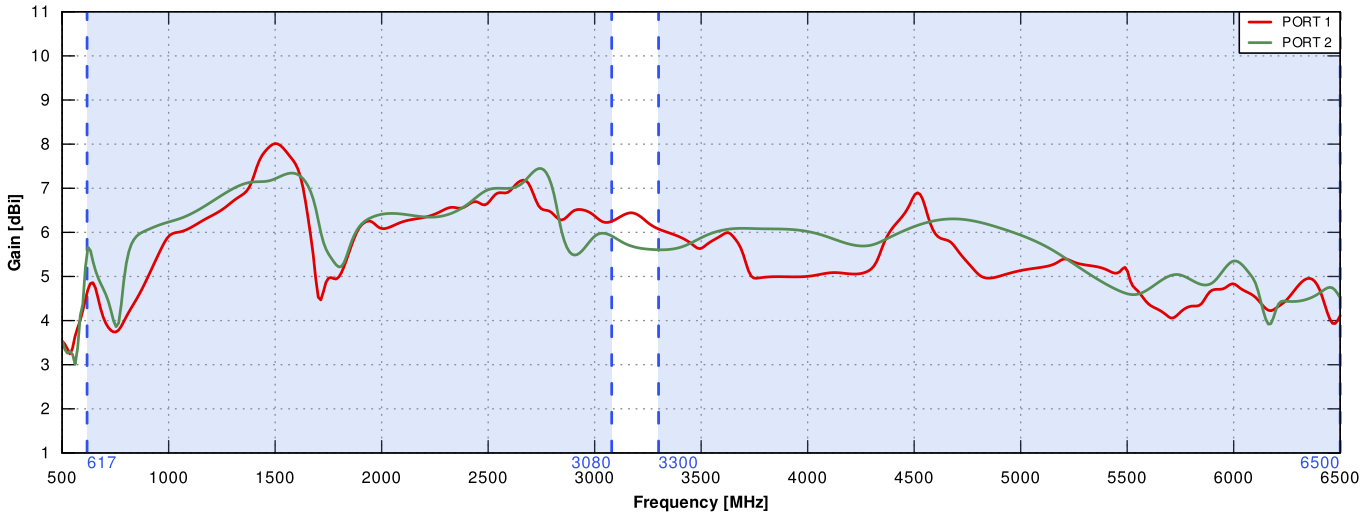


WI-FI VSWR

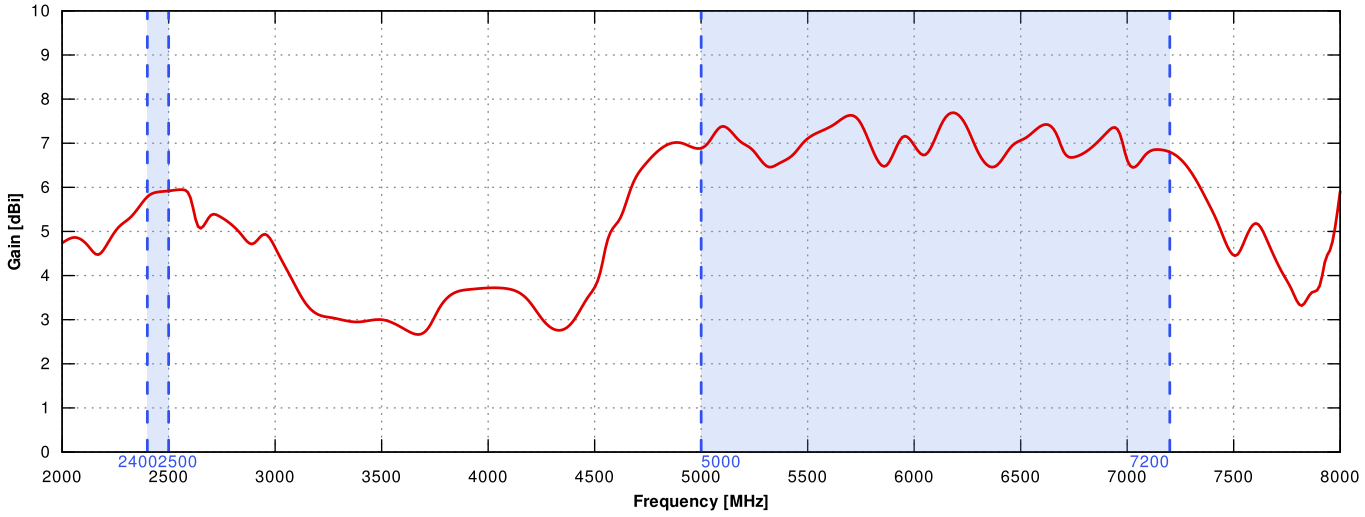


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5G/LTE Gain



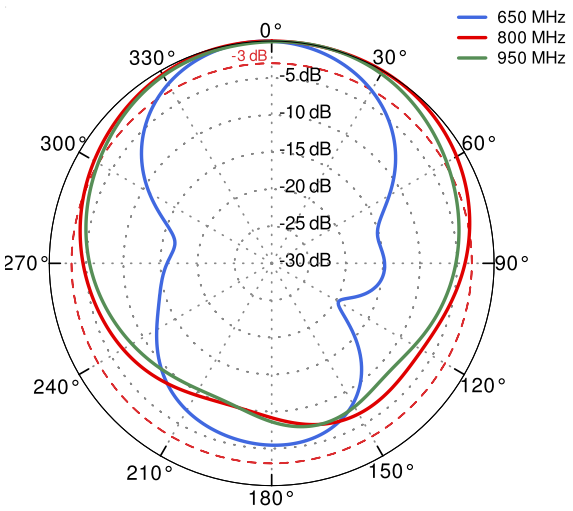
Wi-Fi Gain



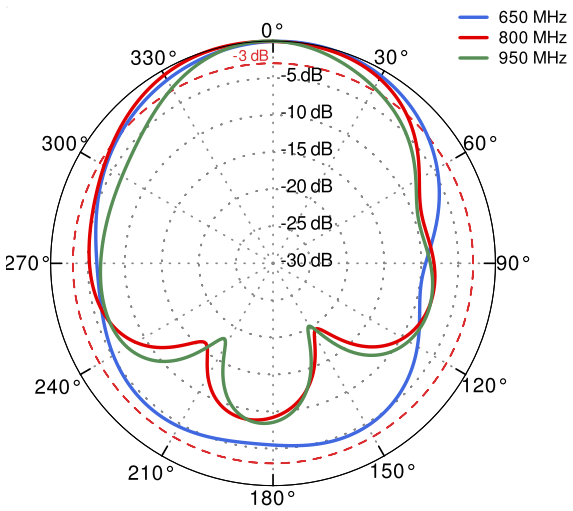
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5G/LTE Port 1 from 700MHz to 900MHz

ELEVATION

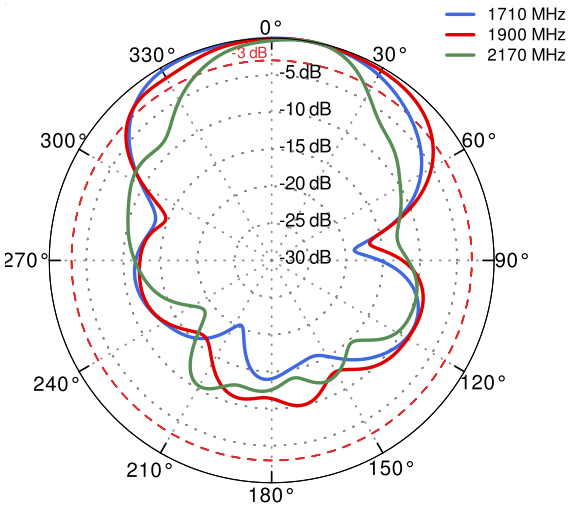


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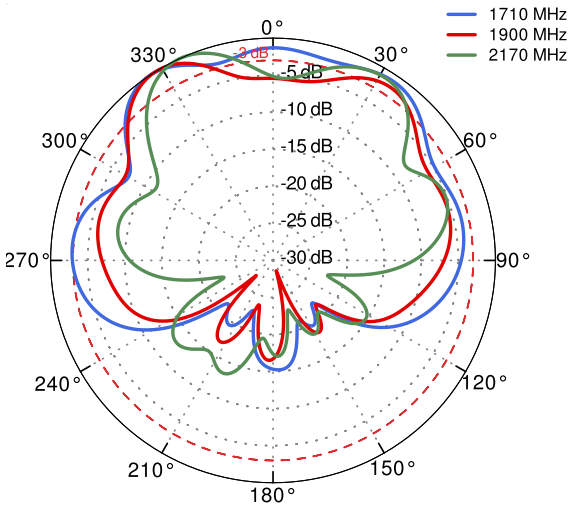


5G/LTE Port 1 from 1.71GHz to 2.17GHz

ELEVATION



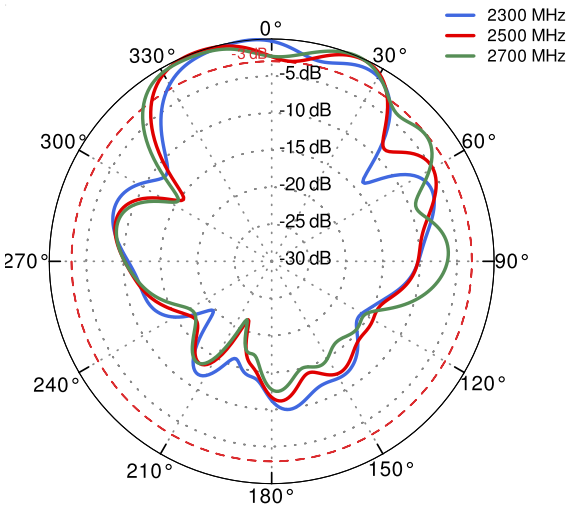
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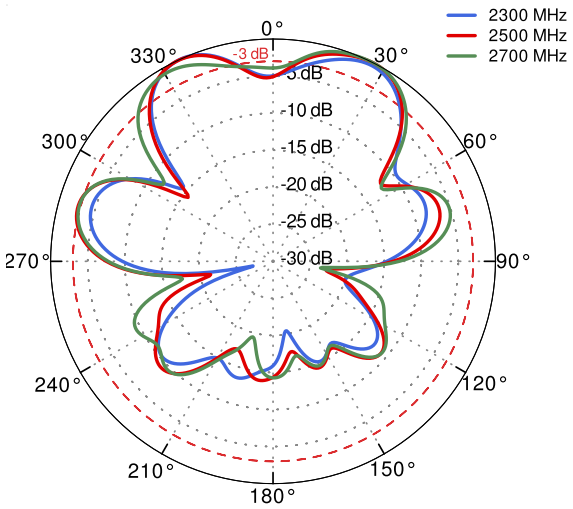
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5G/LTE Port 1 from 2.3GHz to 2.7GHz

ELEVATION

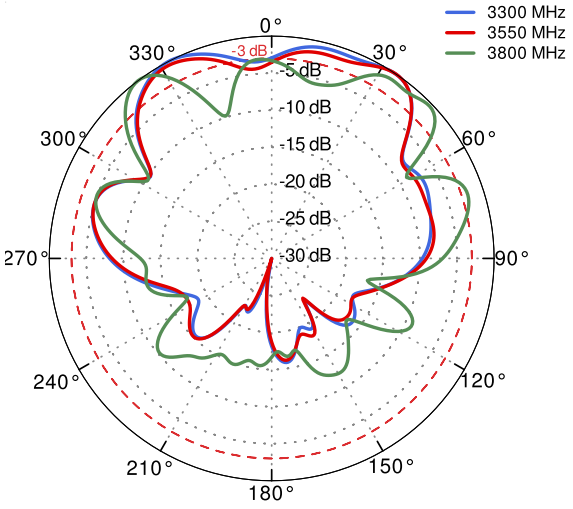


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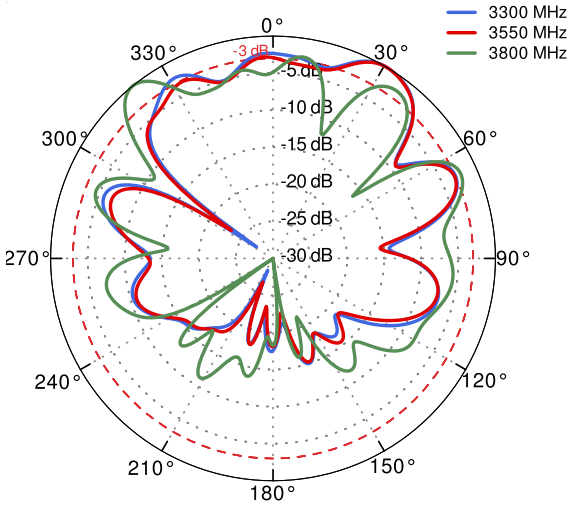


5G/LTE Port 1 from 3.3GHz to 3.8GHz

ELEVATION



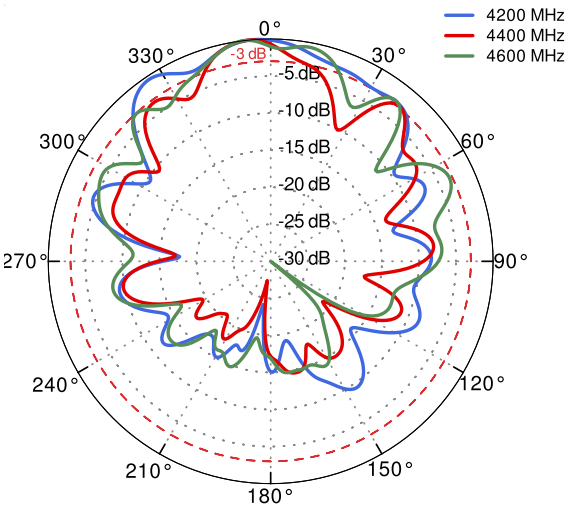
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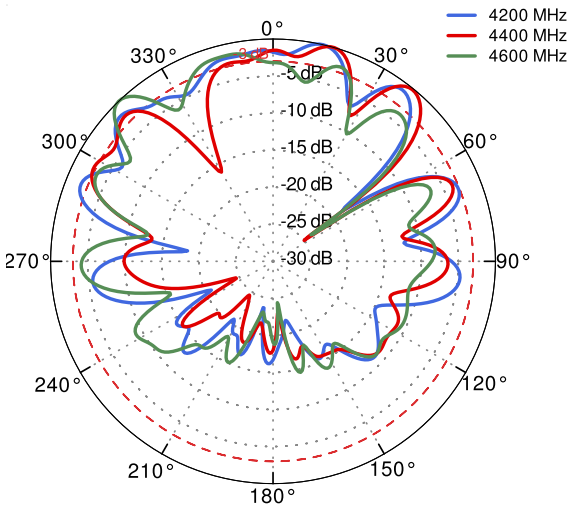
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5G/LTE Port 1 from 4.2GHz to 4.6GHz

ELEVATION

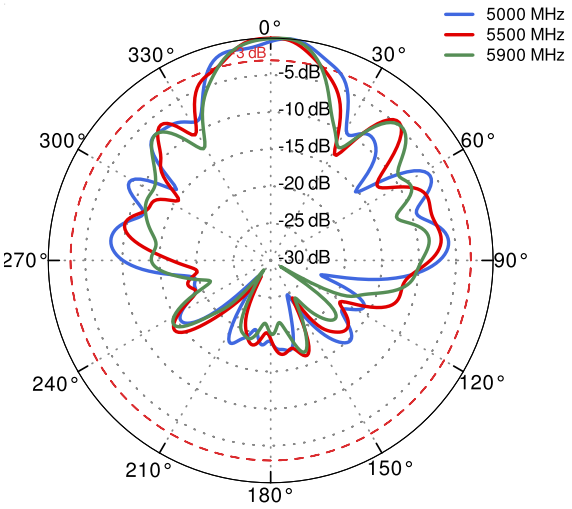


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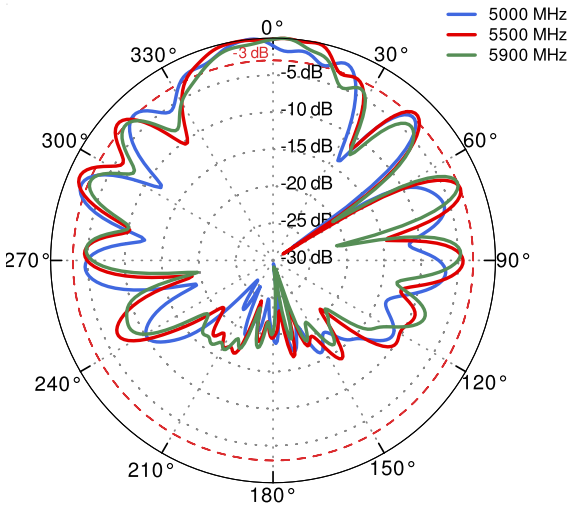


5G/LTE Port 1 from 5.0GHz to 5.9GHz

ELEVATION



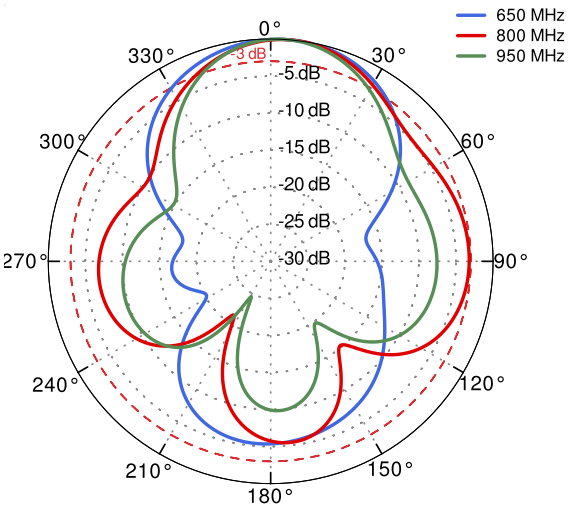
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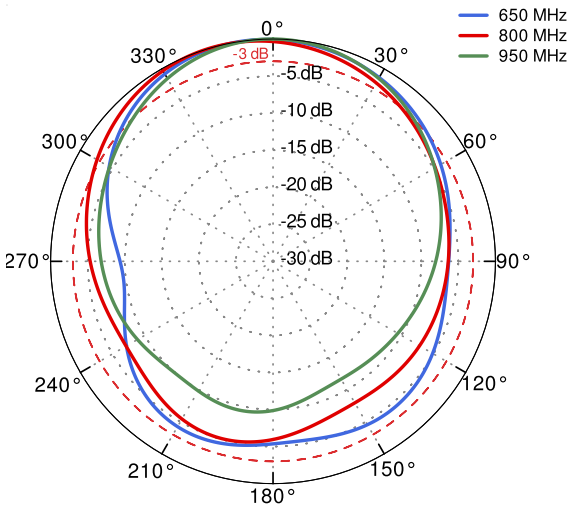
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5G/LTE Port 2 from 700MHz to 900MHz

ELEVATION

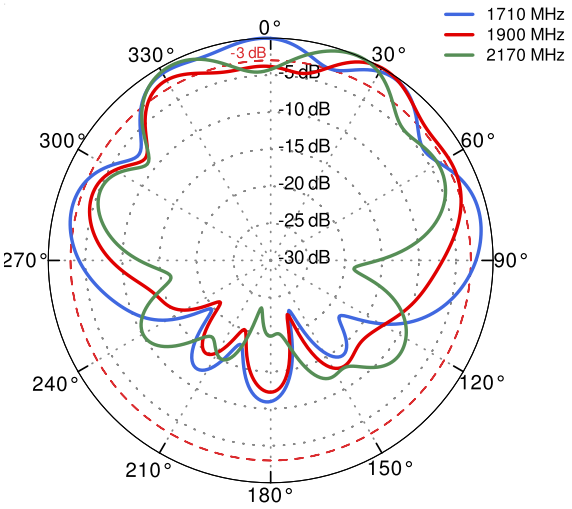


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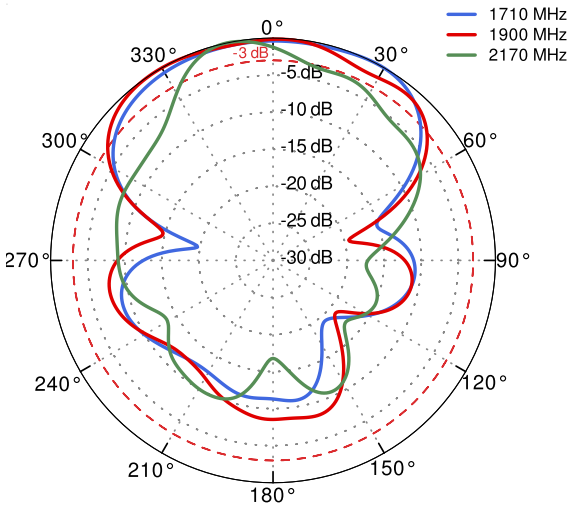


5G/LTE Port 2 from 1.71GHz to 2.17GHz

ELEVATION



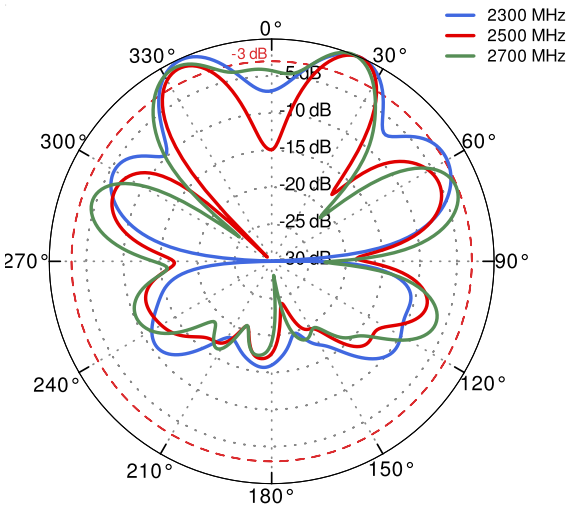
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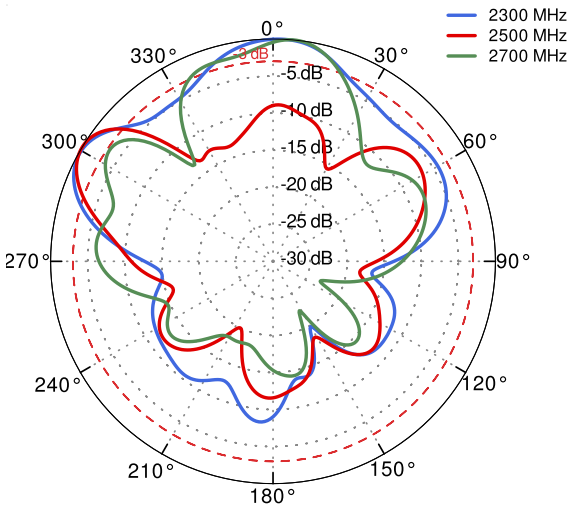
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5G/LTE Port 2 from 2.3GHz to 2.7GHz

ELEVATION

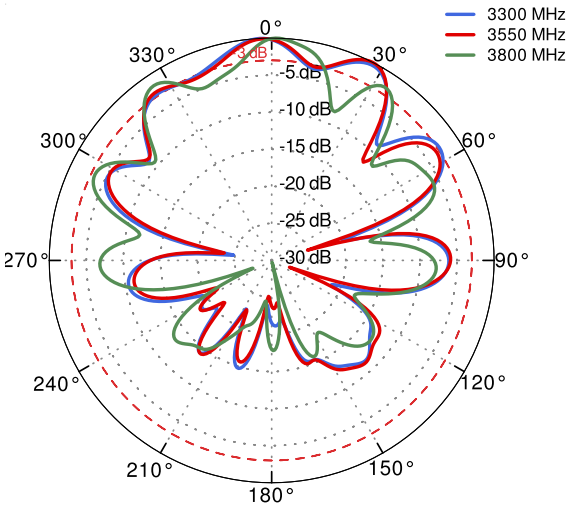


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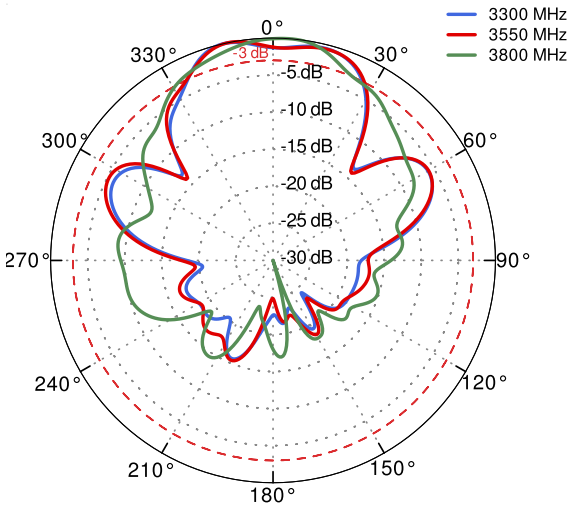


5G/LTE Port 2 from 3.3GHZ to 3.8GHz

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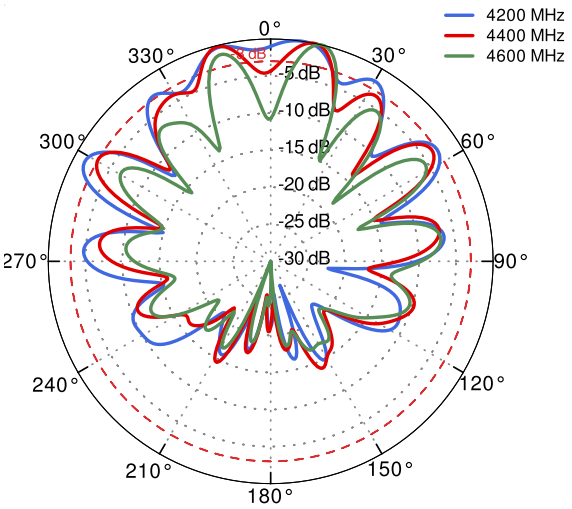
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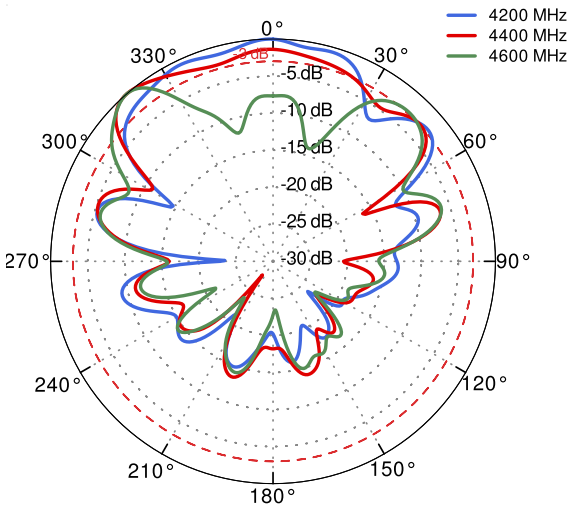
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5G/LTE Port 2 from 4.2GHz to 4.6GHz

ELEVATION

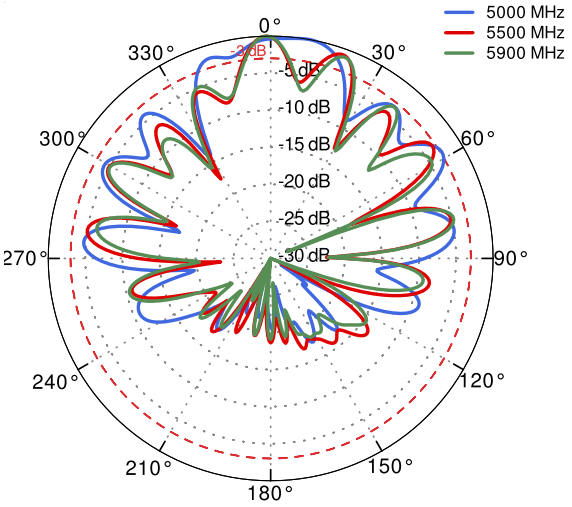


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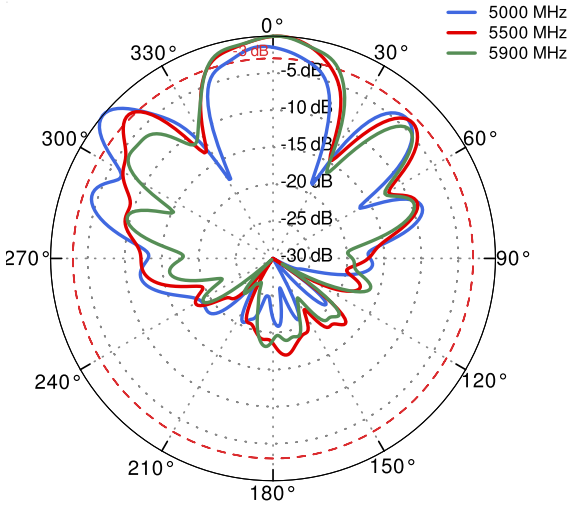


5G/LTE Port 2 from 5.0GHz to 5.9GHz

ELEVATION



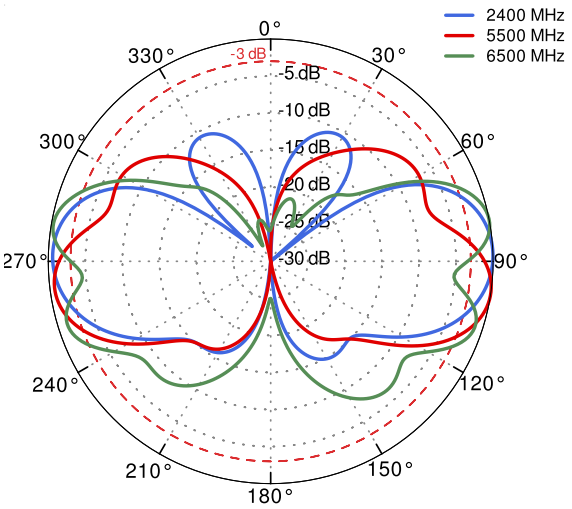
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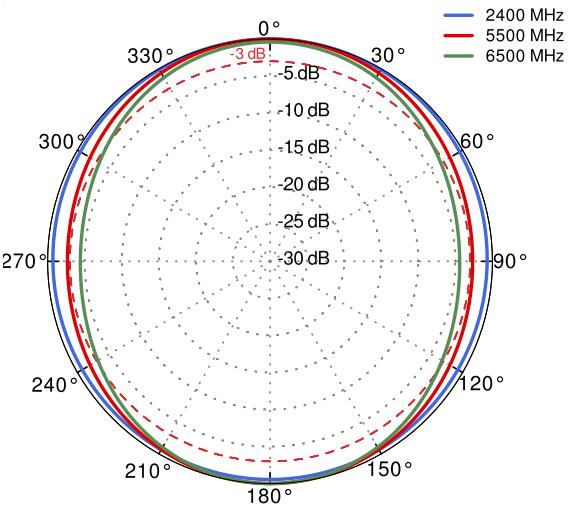
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Wi-Fi 2.4GHz and 5GHz and 6GHz

ELEVATION



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DIMENSIONS



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