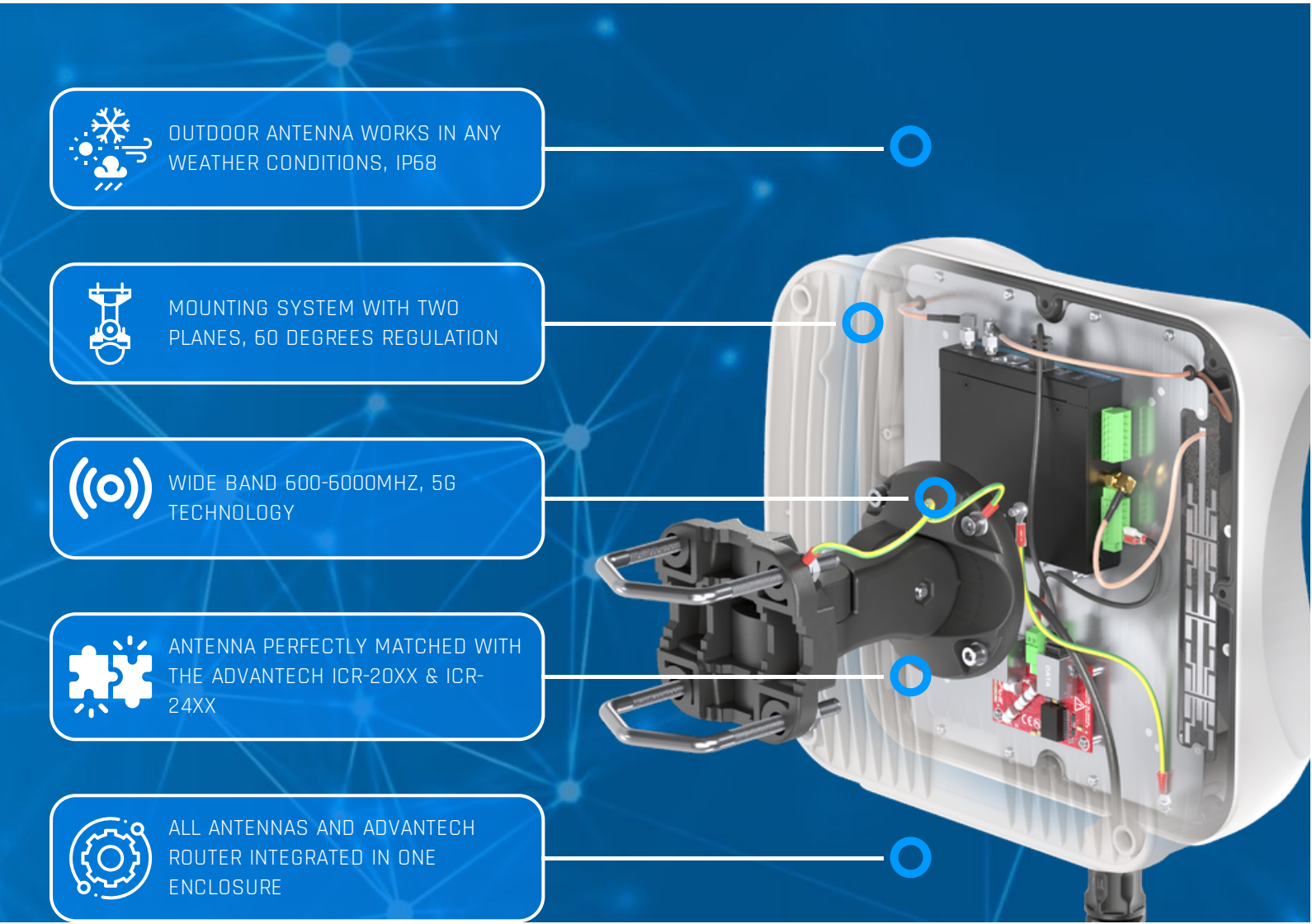
QuMax for Advantech ICR-20xx & ICR-24xx

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + POE SPLITTER + PLACE TO INSTALL ADVANTECH ICR-20xx & ICR-24xx (ALL-IN-ONE)

QuMax antenna for **Advantech ICR-20xx & ICR-24xx** 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 antenna. If you use ICR-20xx or ICR-24xx with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.
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.

5G | BAND 71 | 2x2 MIMO | 617-6500MHz | 8 dBi | Wi Fi 6E | 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

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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°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE, fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	26.9 x 26.95 x 17.7 cm 10.6 x 10.6 x 7 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

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MAST DIAMETER	25-66mm 0.98-2.60 inch

FREQUENCY BANDS

LTE / 4G

617 MHz — 6000 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						

5G

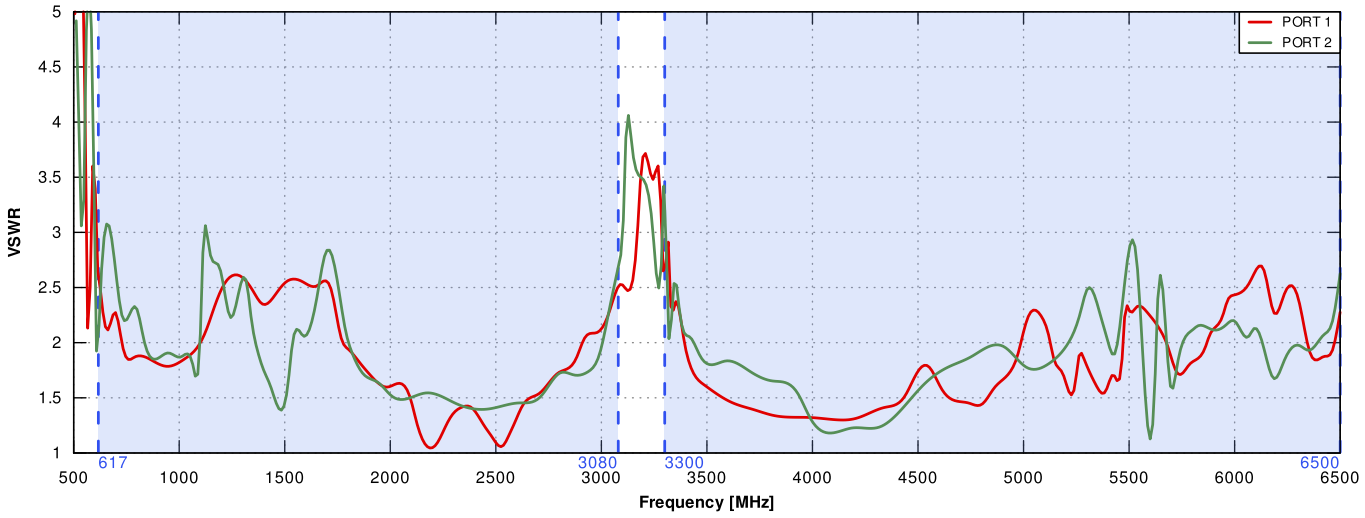
617 MHz — 6000 MHz

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		

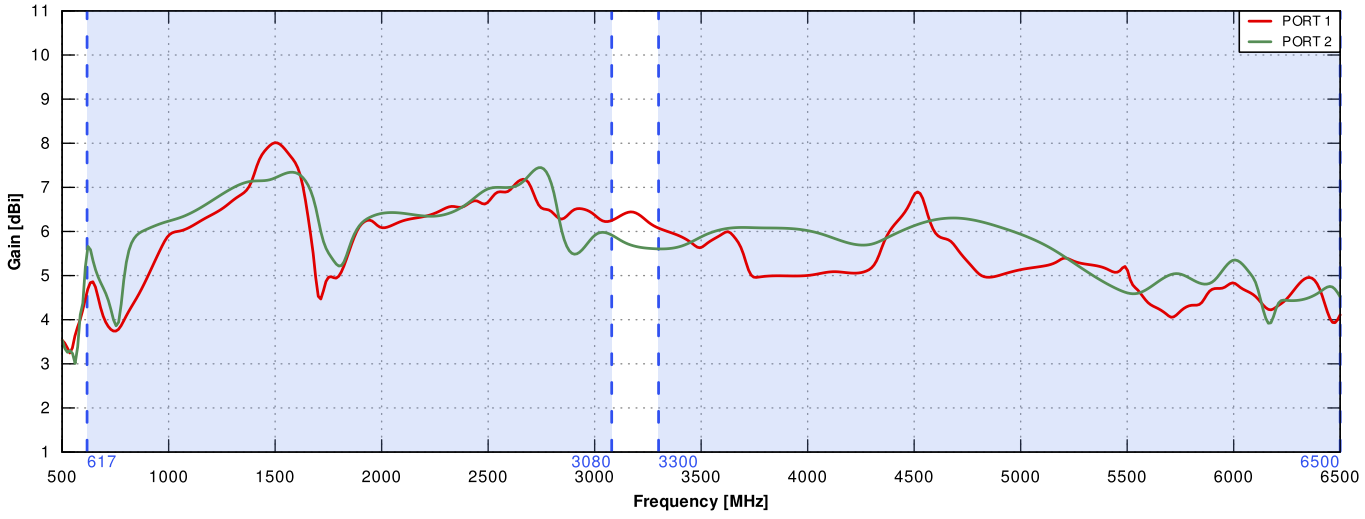
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PLOTS

5G/LTE VSWR

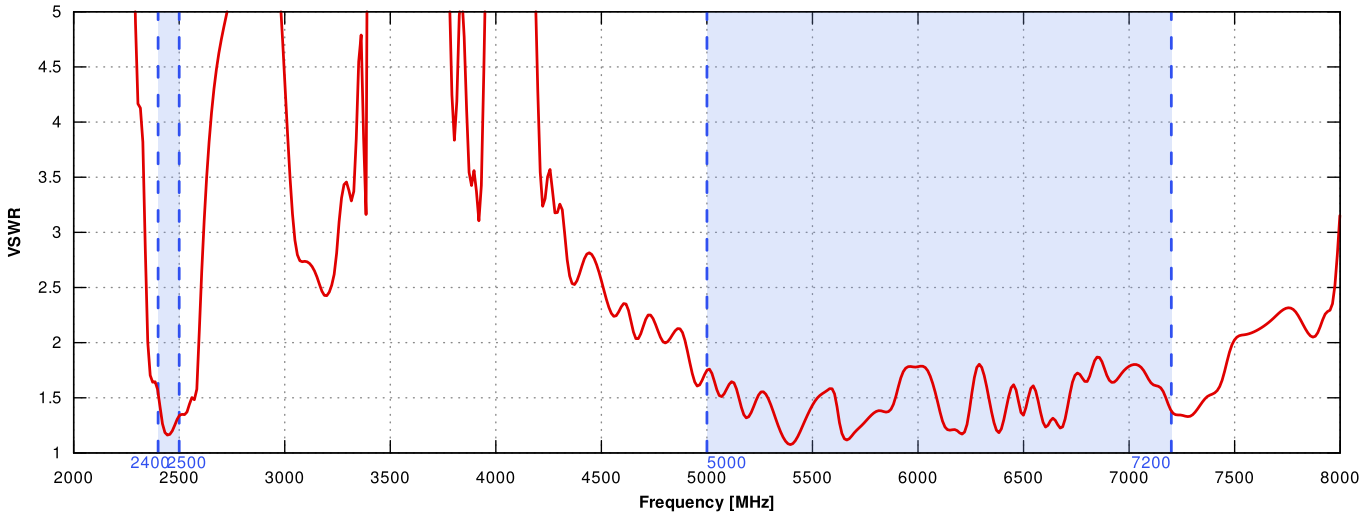


5G/LTE Gain

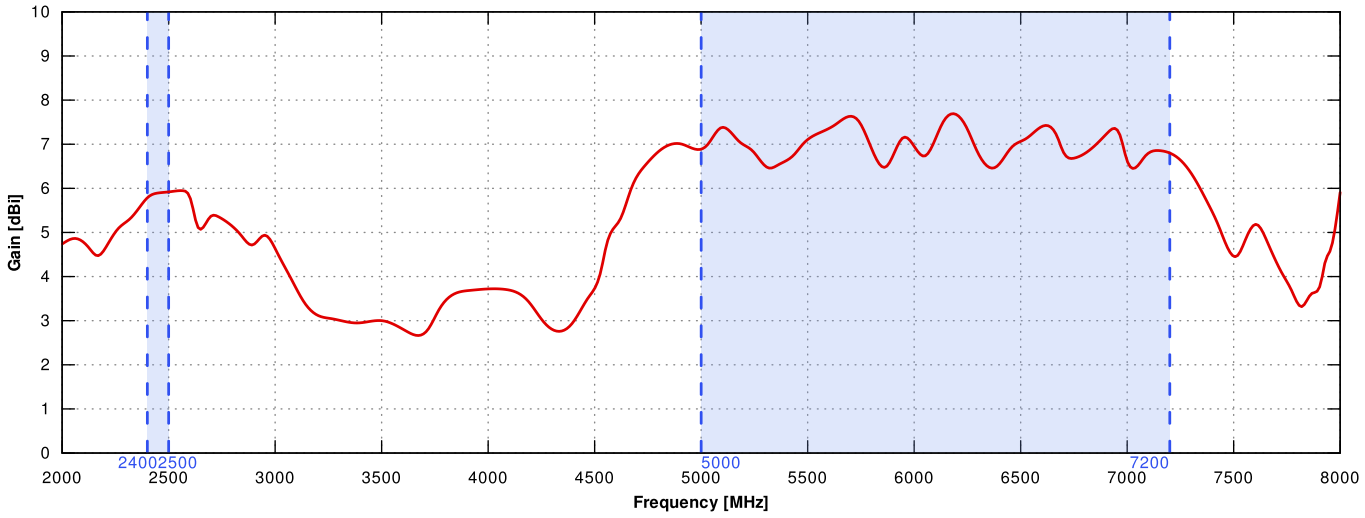


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Wi-Fi VSWR



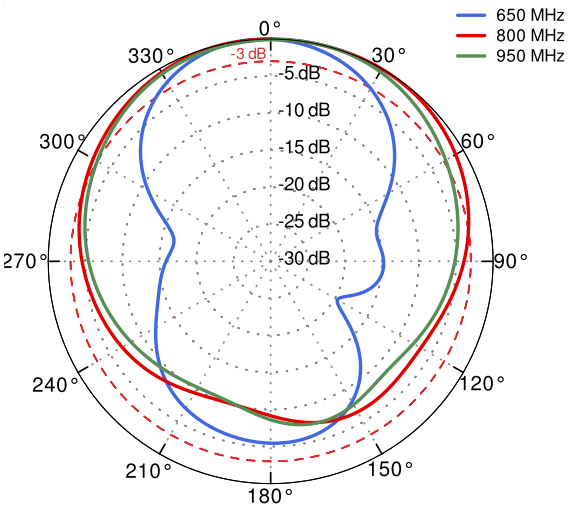
Wi-Fi Gain



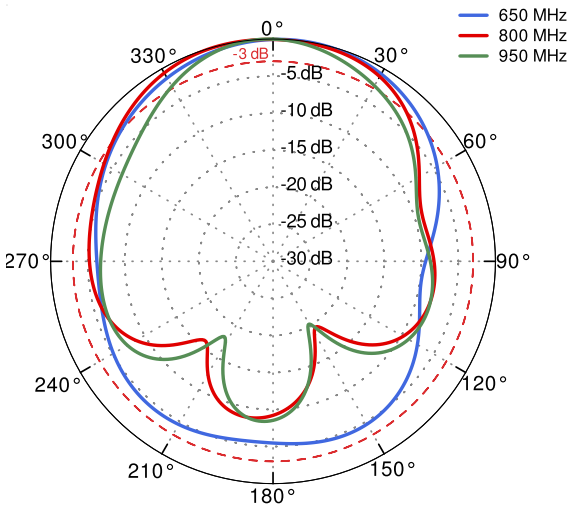
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PORT 1 - 5G/LTE from 650MHz to 950MHz

ELEVATION

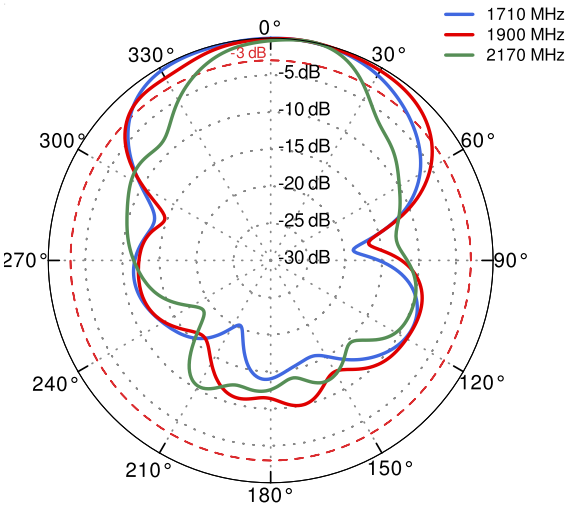


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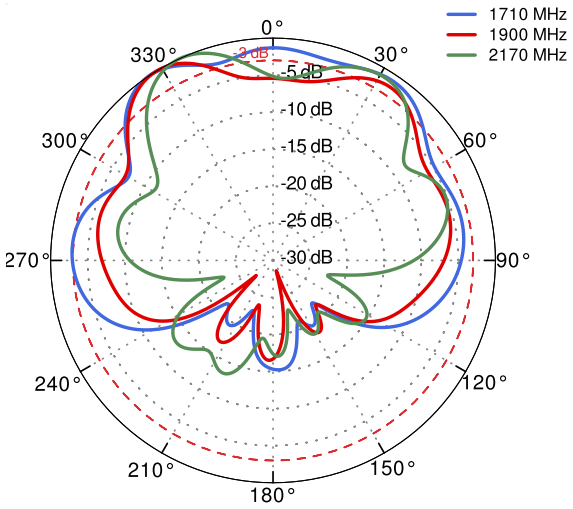


PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



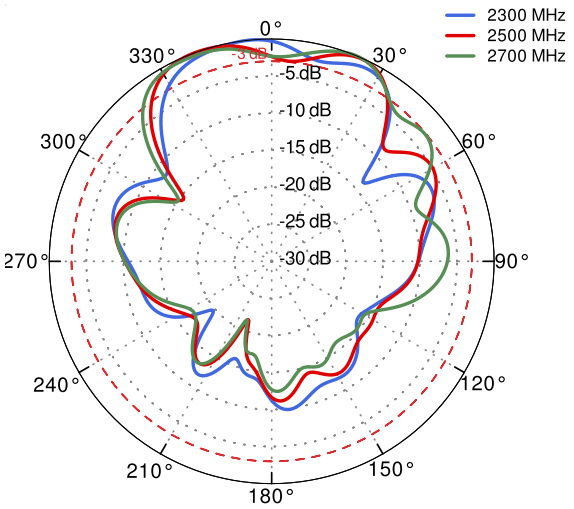
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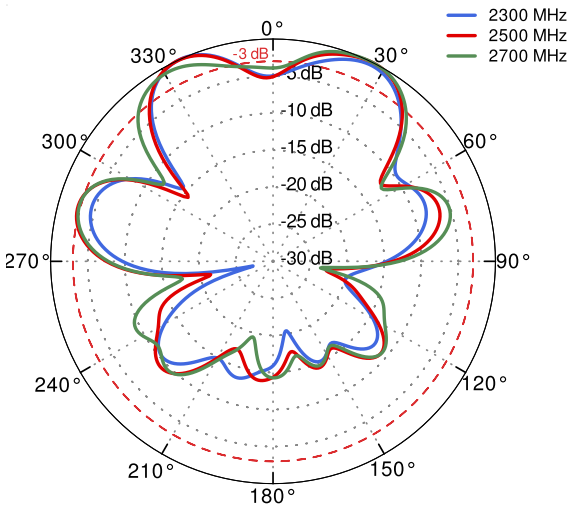
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PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

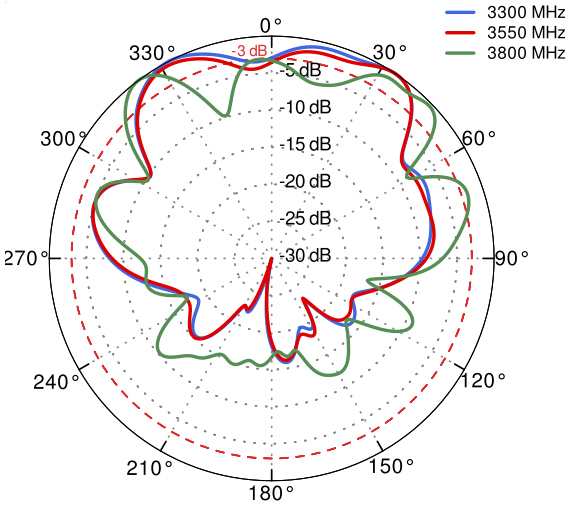


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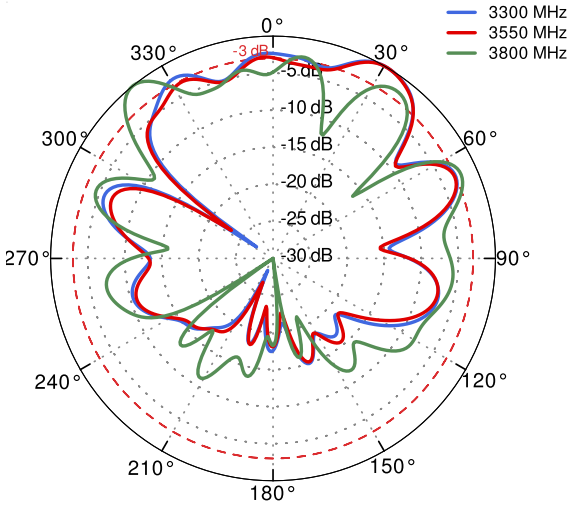


PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



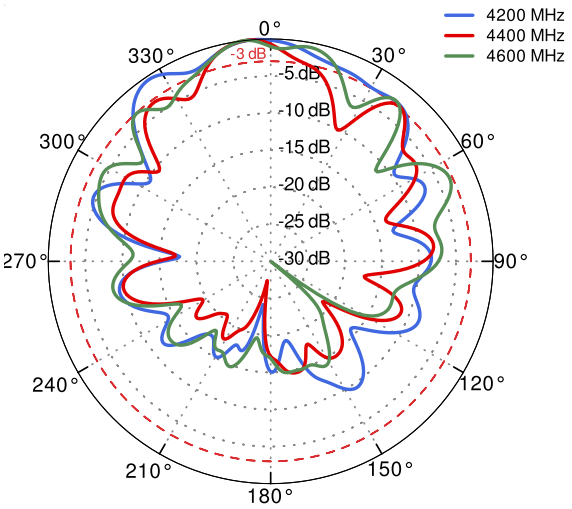
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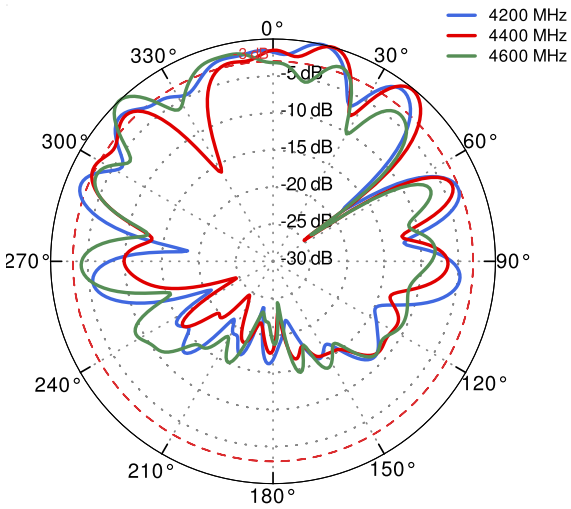
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PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION

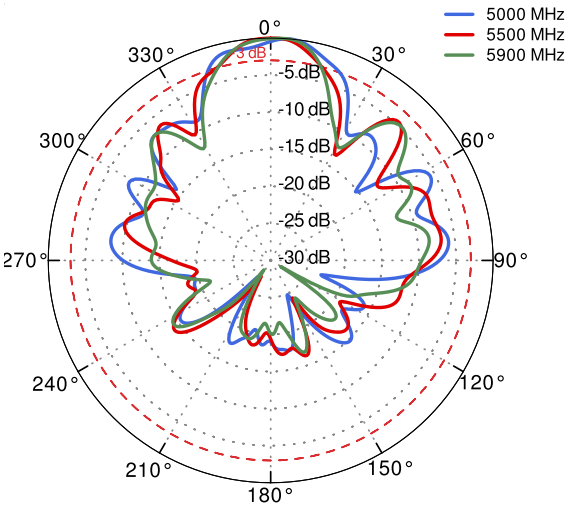


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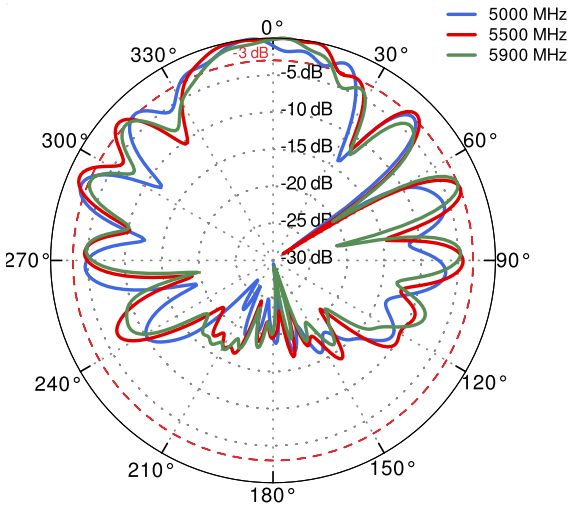


PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



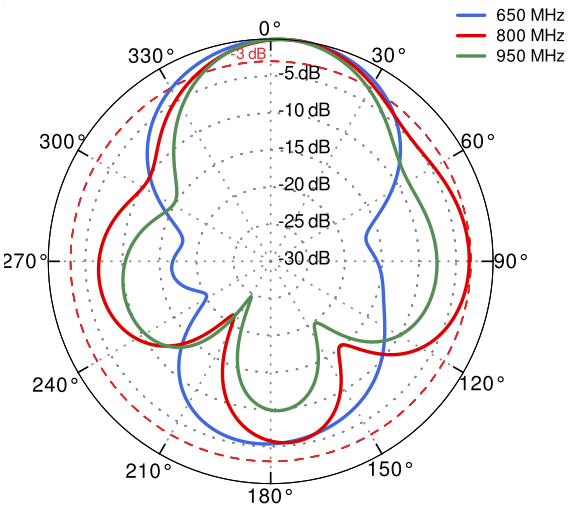
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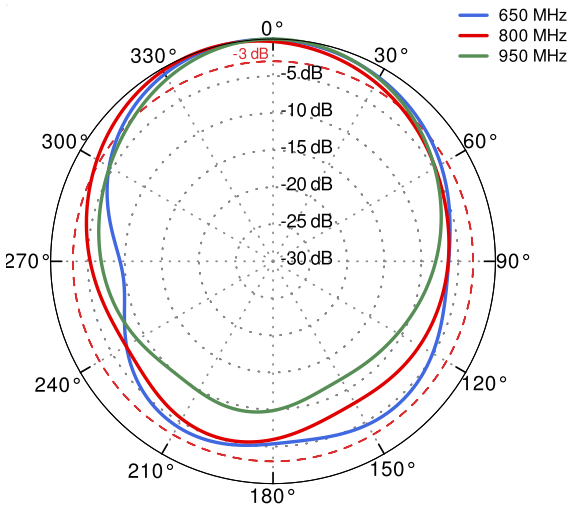
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PORT 2 - 5G/LTE from 650MHz to 950MHz

ELEVATION

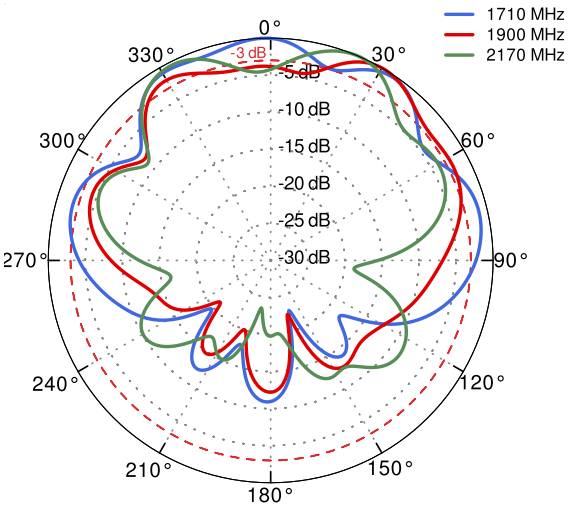


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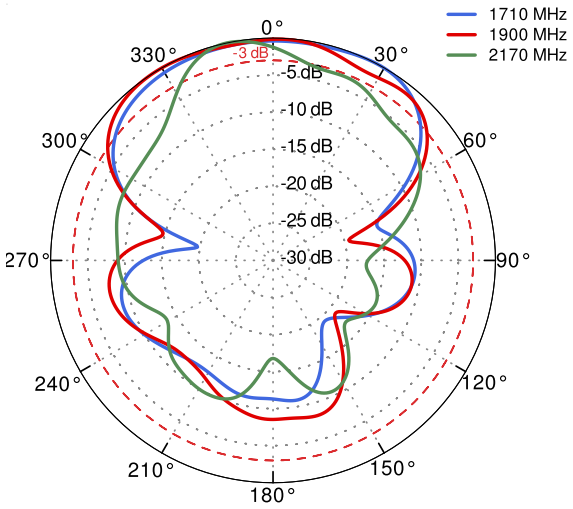


PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



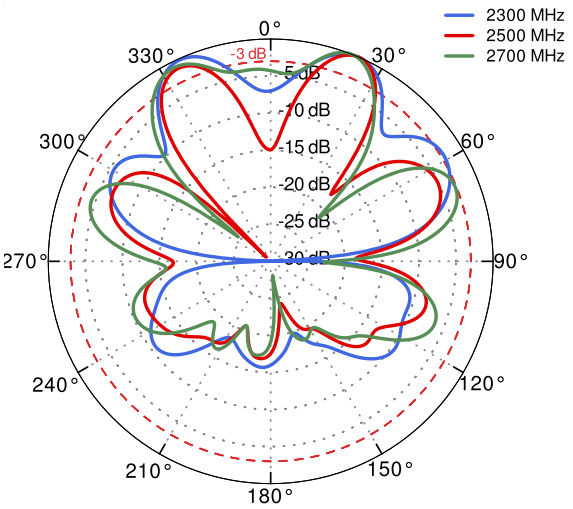
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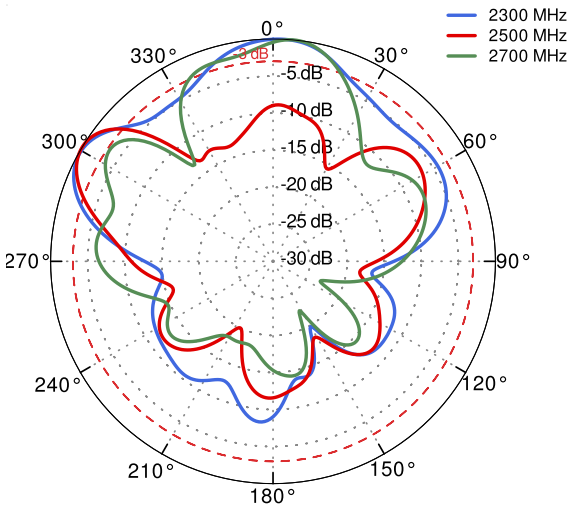
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PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

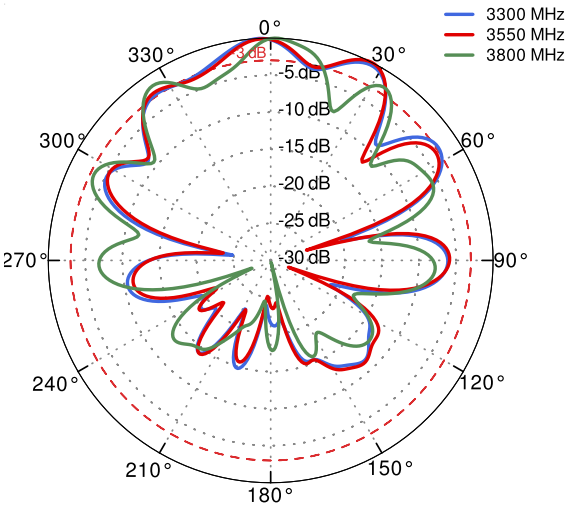


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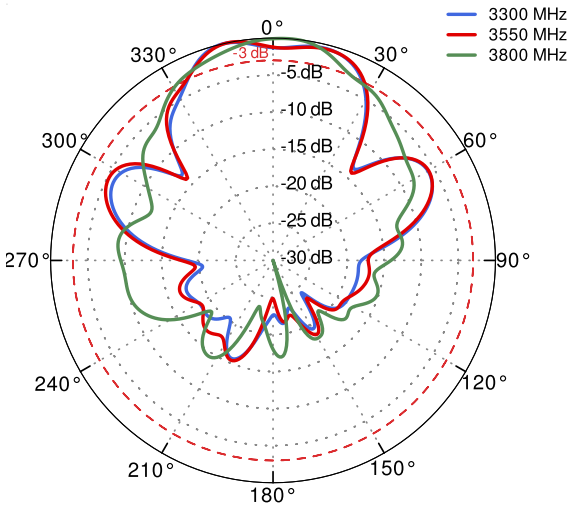


PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



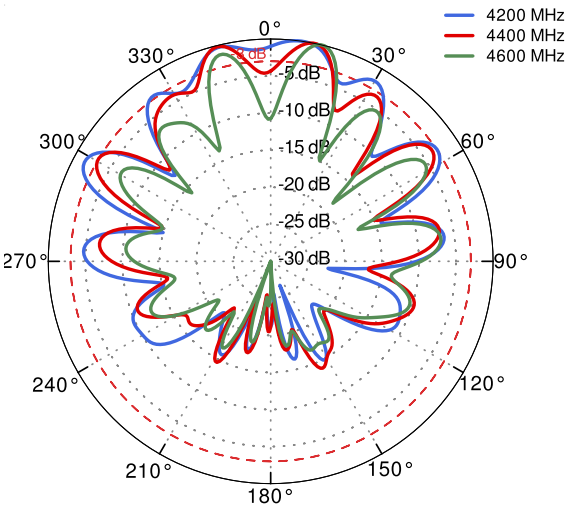
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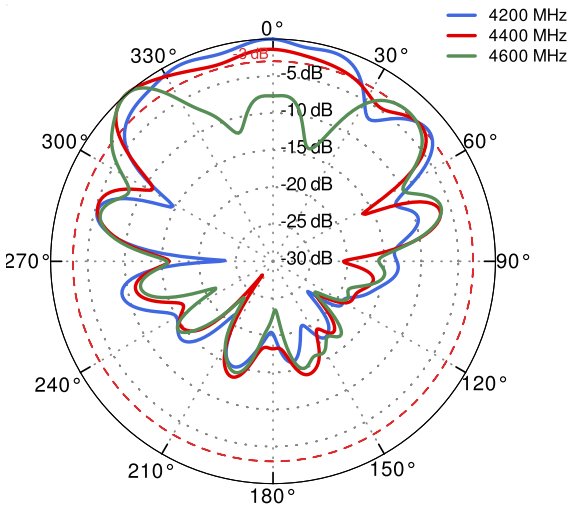
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PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION

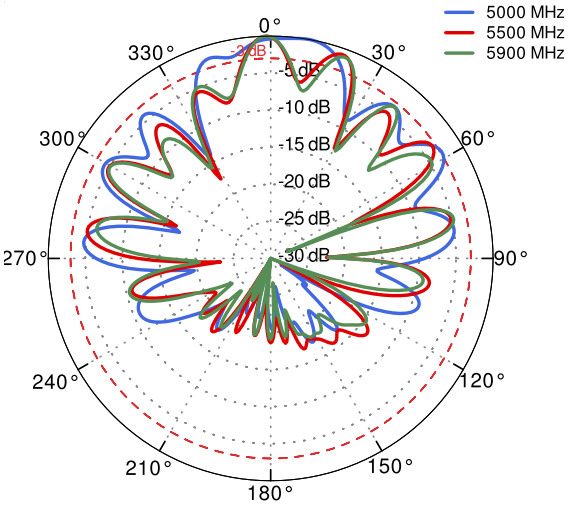


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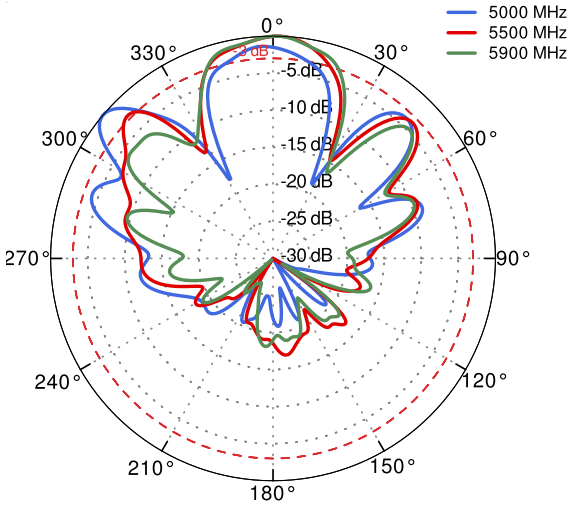


PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



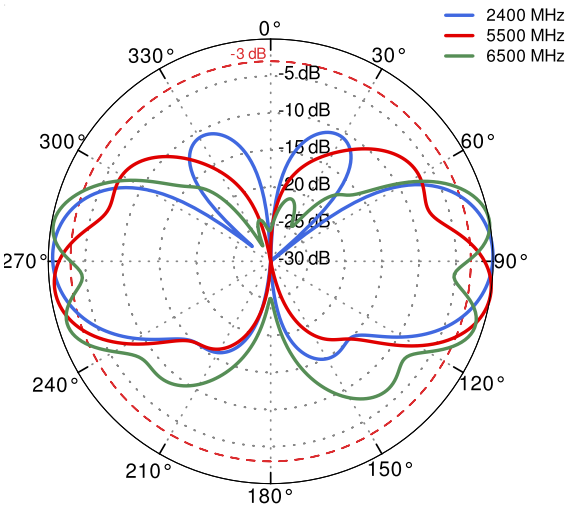
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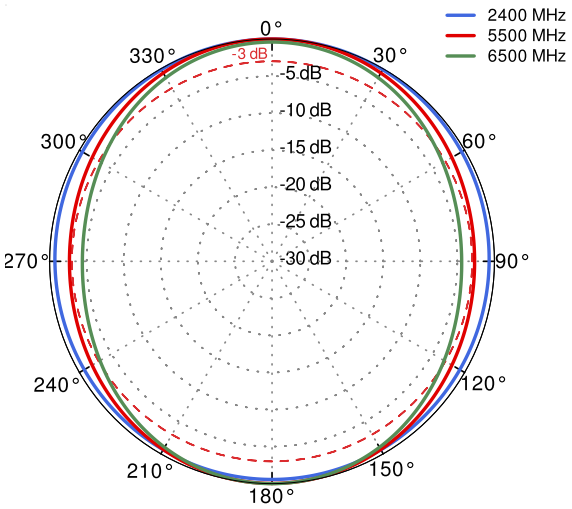
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Wi-Fi From 2.4 GHz to 6.5 GHz

ELEVATION



AZIMUTH



DIMENSIONS



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