QuMax for DIGI EX50

INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + PLACE TO INSTALL DIGI EX50 (ALL-IN-ONE)

QuMax antenna for DIGI EX50 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/LTE antennas. If you use EX50 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

5G | 4x4 MIMO | 617-6000MHz | 6 dBi | DIRECTIONAL | IP 68 | -40° TO +80°

- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68
- MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION
- ANTENNA PERFECTLY MATCHED WITH THE DIGI EX50
- ALL ANTENNAS AND DIGI ROUTER INTEGRATED IN ONE ENCLOSURE
- MADE IN **EUROPE**

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
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, n256
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
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (+-45degrees)
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 175 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

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						

6000 MHz

5G

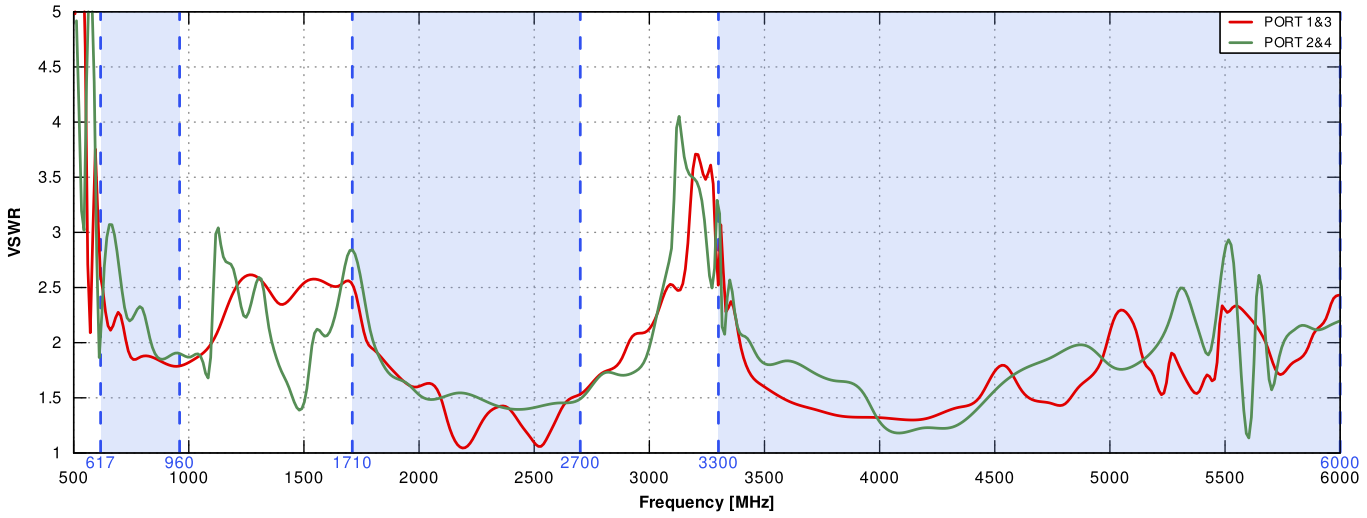
617 MHz

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	n80	n81	n82	n83
n84	n85	n86	n89	n90	n95	n97
n98	n100	n101	n256			

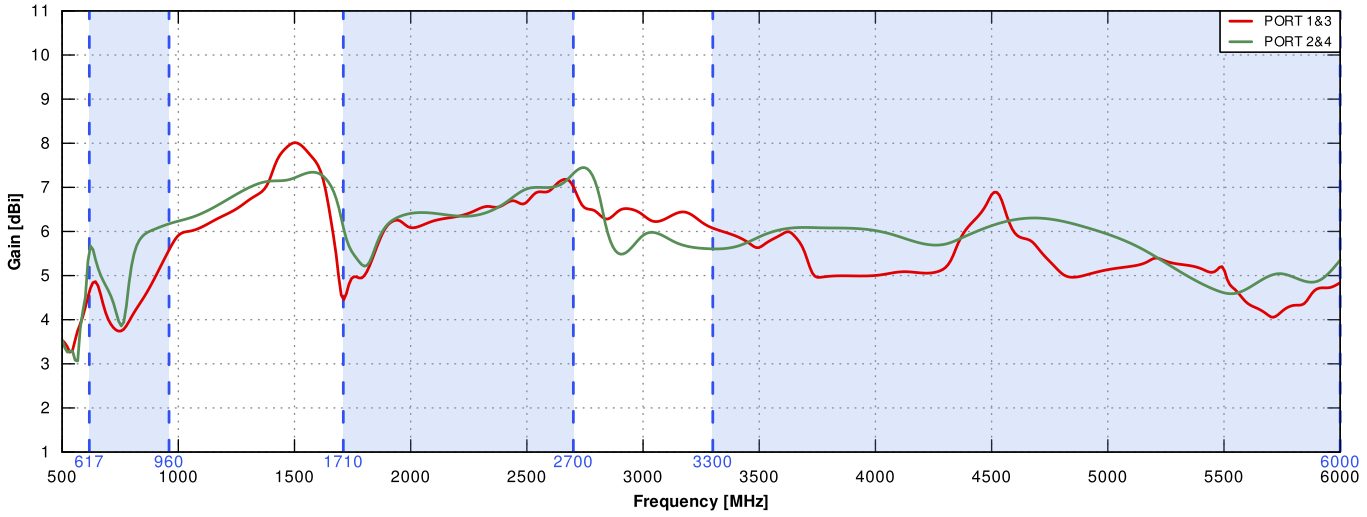
6000 MHz

PLOTS

5G/LTE VSWR

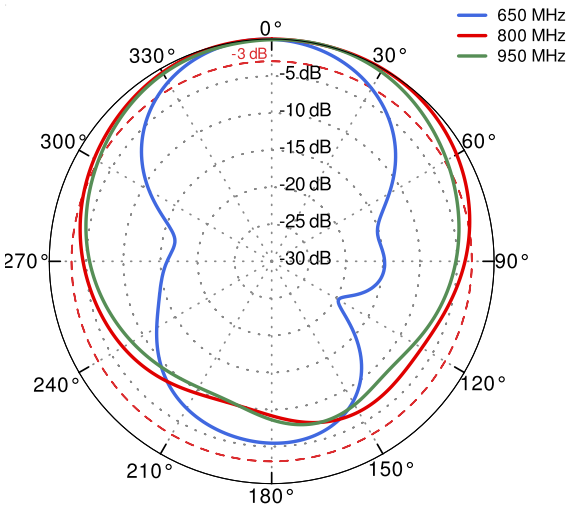


5G/LTE Gain



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

ELEVATION



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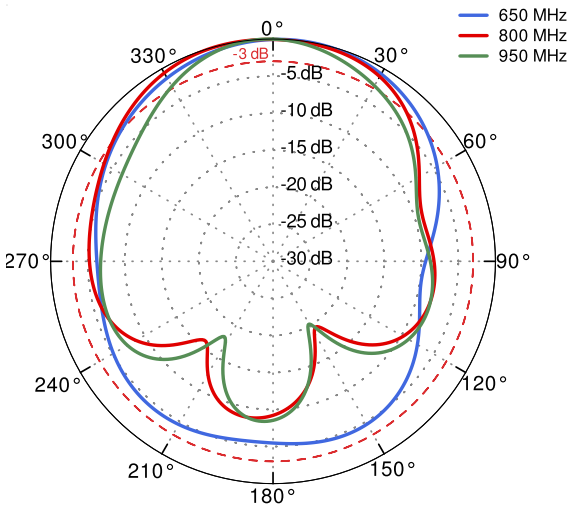
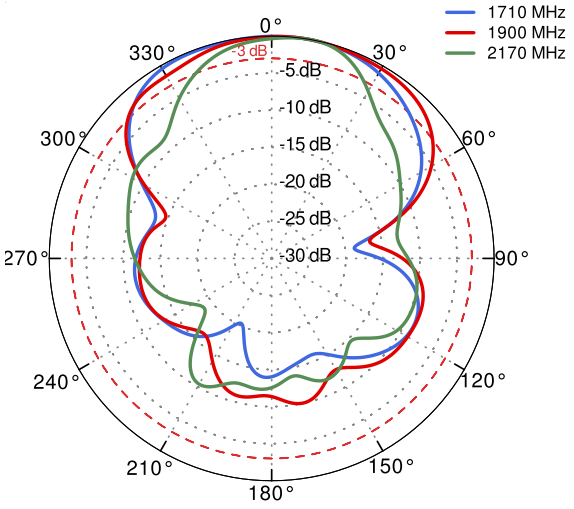


PORT 1&3 - 5G/LTE From 1.71GHz to 2.17GHz

ELEVATION



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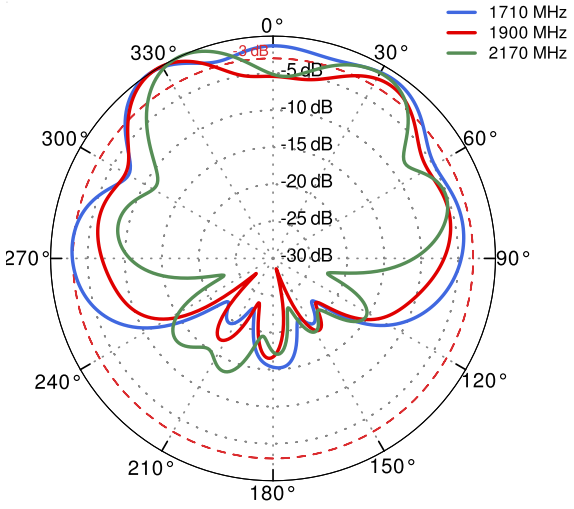
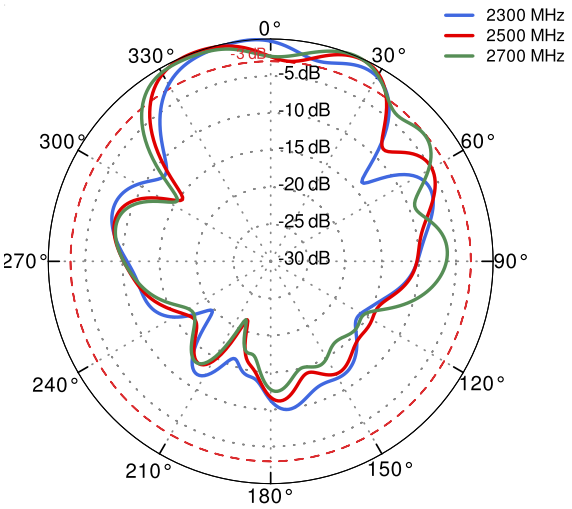


PORT 1&3 - 5G/LTE From 2.3GHz to 2.7GHz

ELEVATION



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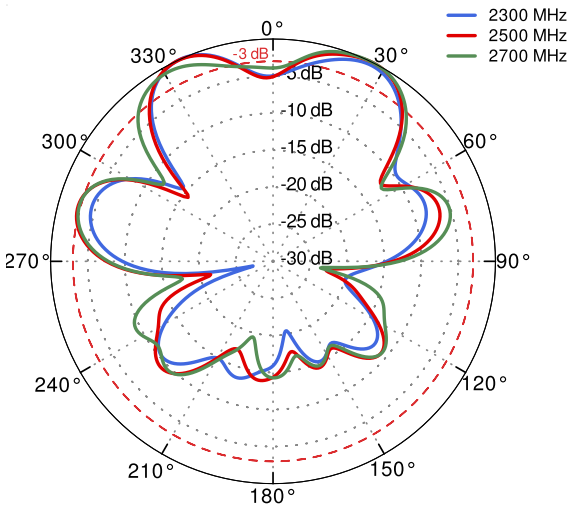
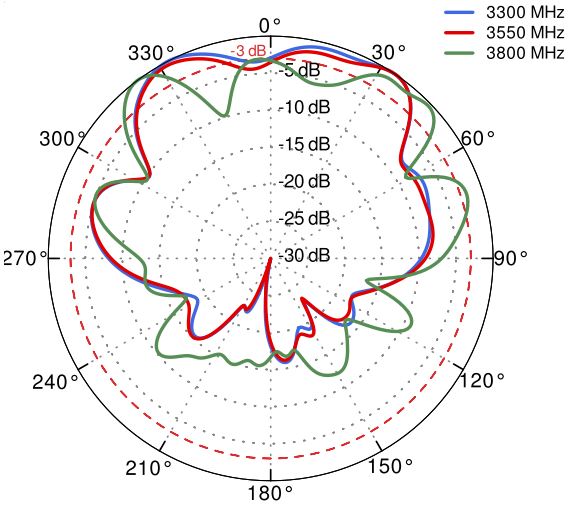


PORT 1&3 - 5G/LTE From 3.3GHz to 3.8GHz

ELEVATION



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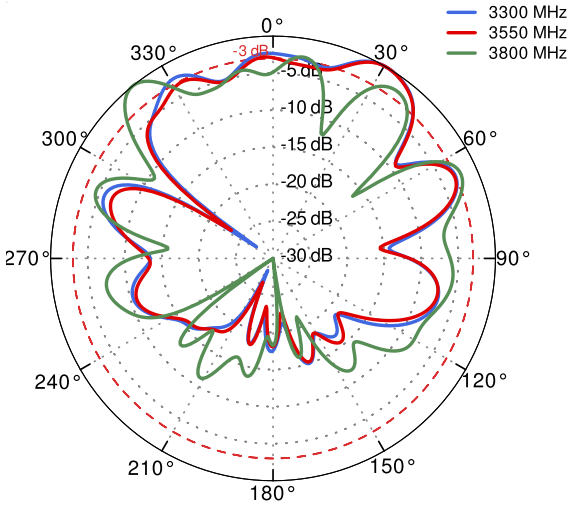
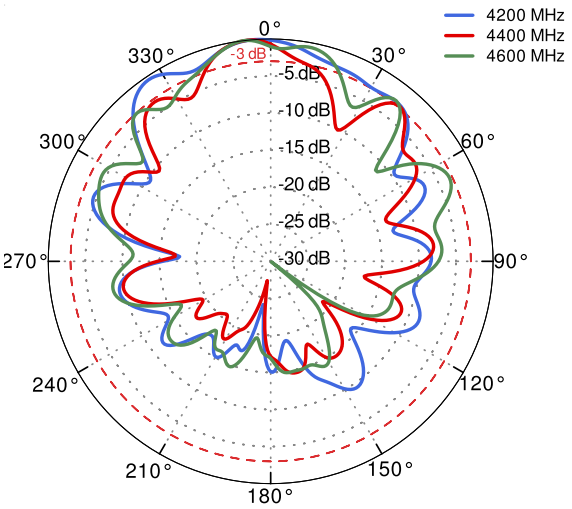


PORT 1&3 - 5G/LTE From 4.2GHz to 4.6GHz

ELEVATION



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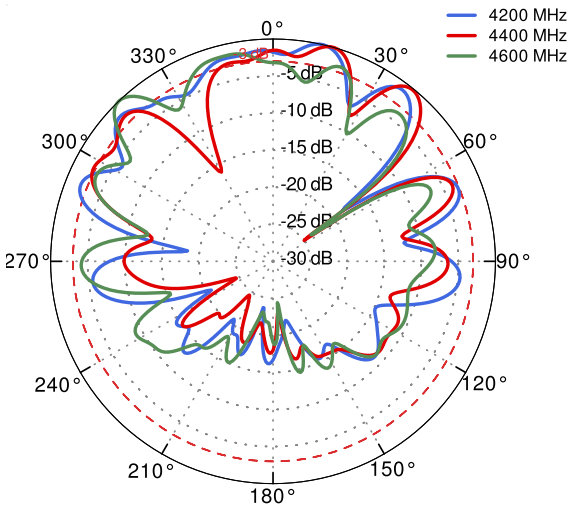
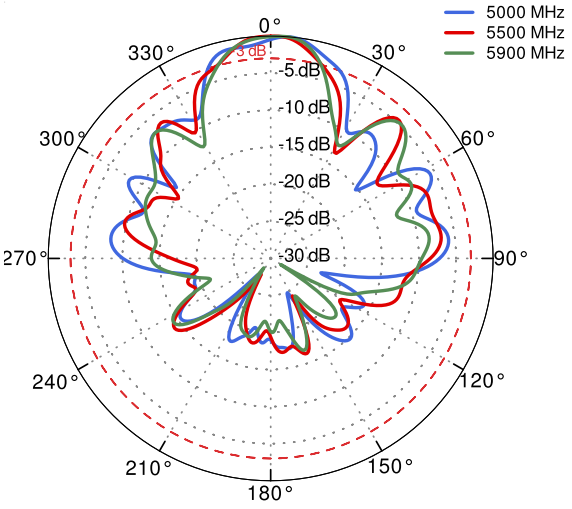


PORT 1&3 - 5G/LTE From 5.0GHz to 5.9GHz

ELEVATION



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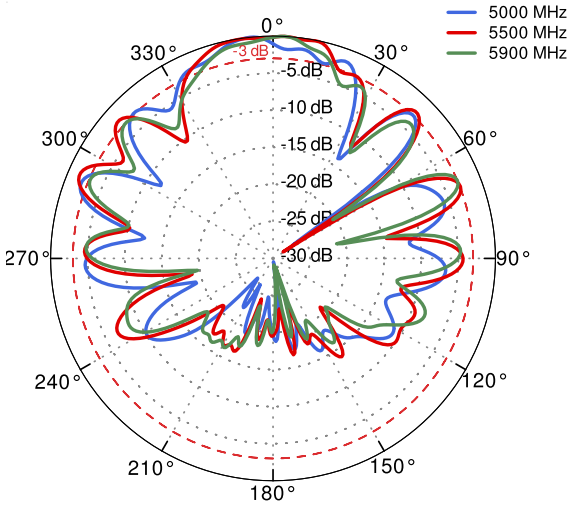
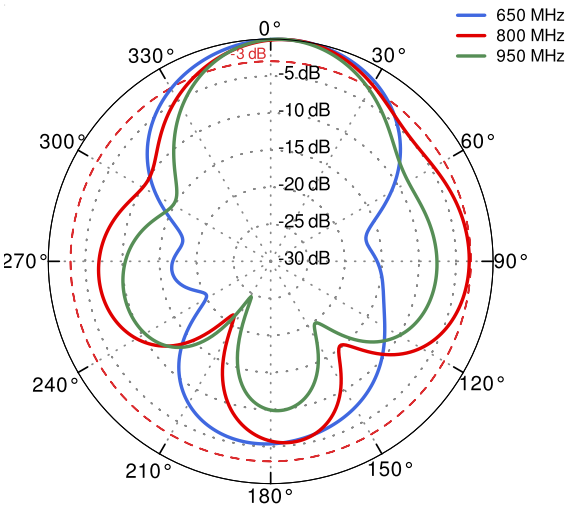


PORT 2&4 - 5G/LTE From 650MHz to 950MHz

ELEVATION



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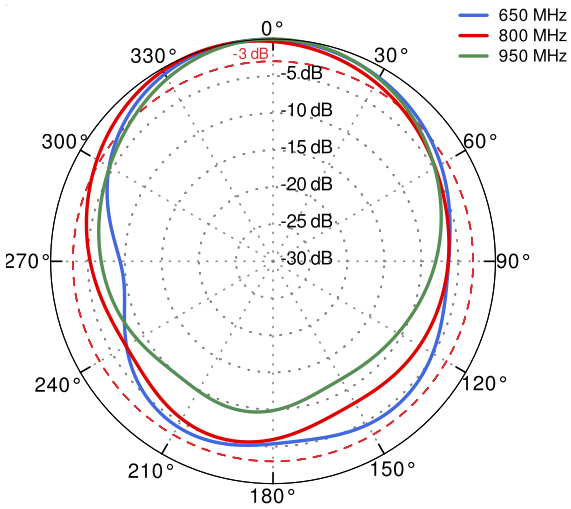
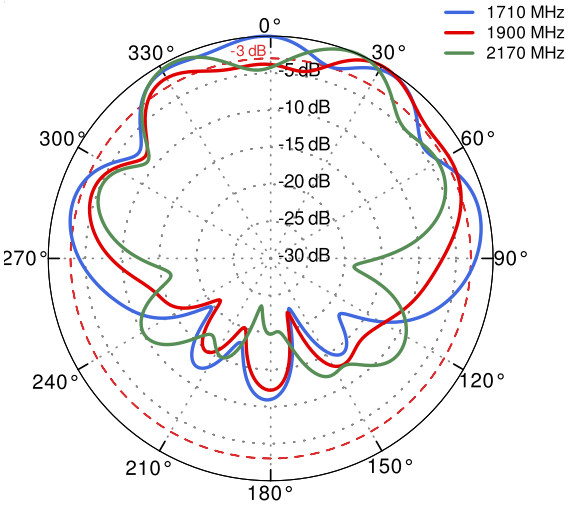


PORT 2&4 - 5G/LTE From 1.71GHz to 2.17GHz

ELEVATION



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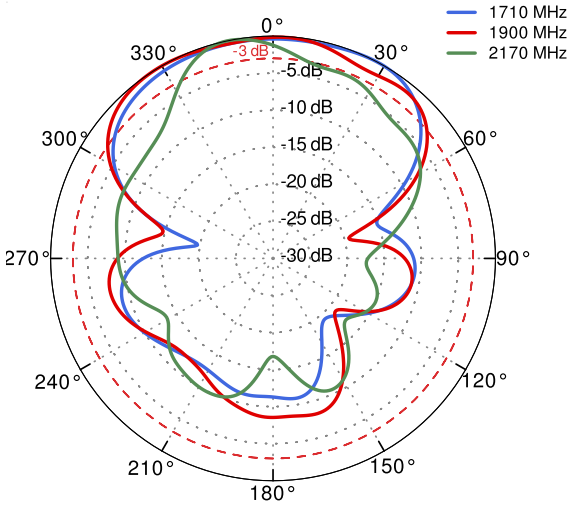
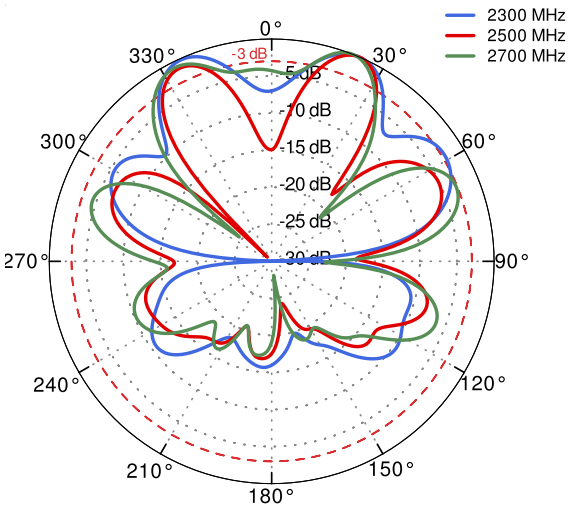


PORT 2&4 - 5G/LTE From 2.3GHz to 2.7GHz

ELEVATION



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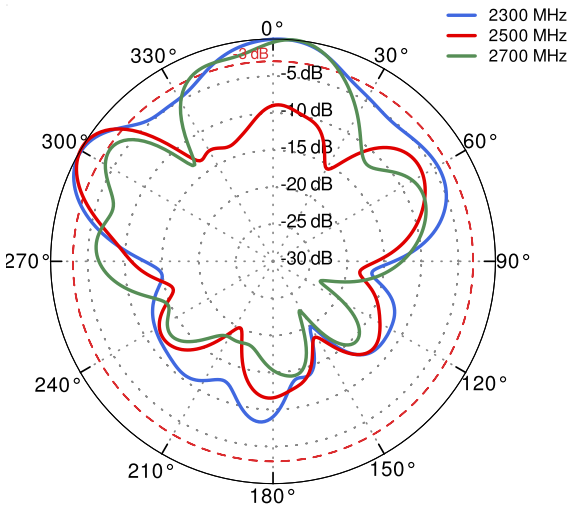
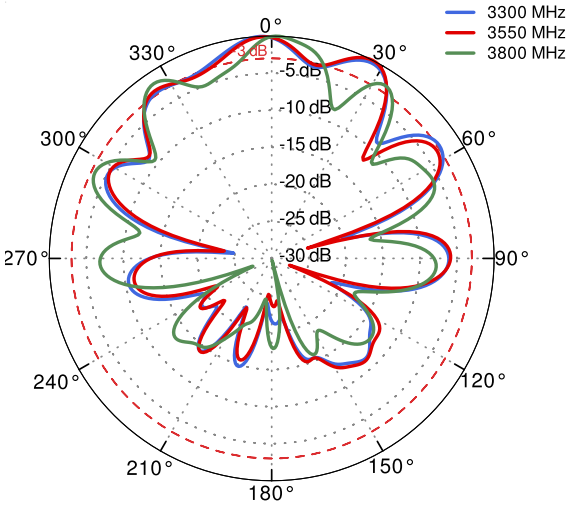


PORT 2&4 - 5G/LTE From 3.3GHz to 3.8GHz

ELEVATION



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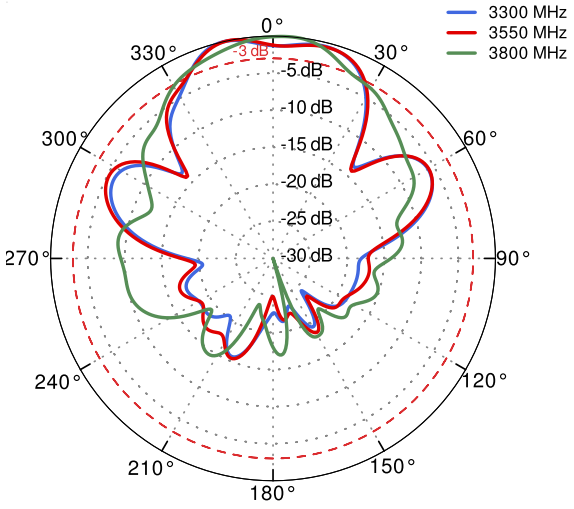
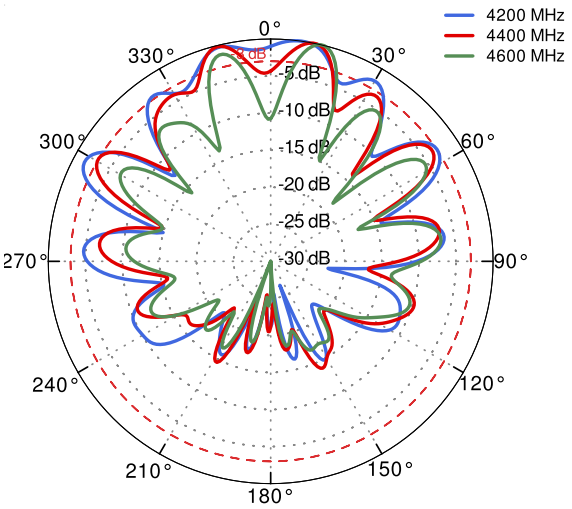


PORT 2&4 - 5G/LTE From 4.2GHz to 4.6GHz

ELEVATION



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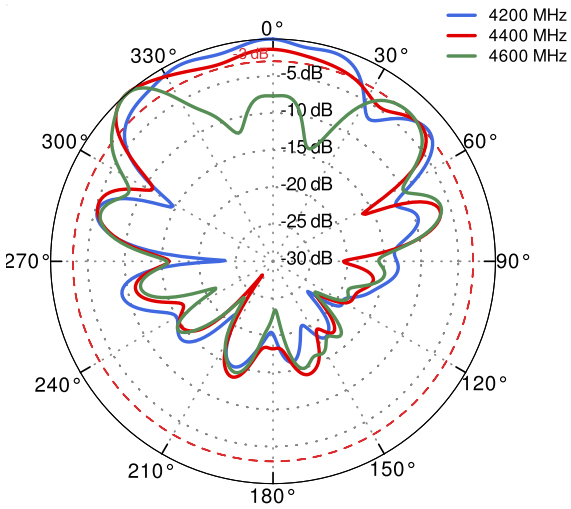
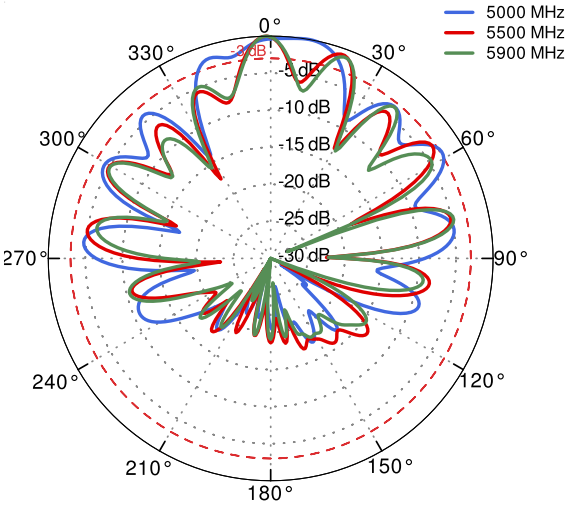


PORT 2&4 - 5G/LTE From 5.0GHz to 5.9GHz

ELEVATION



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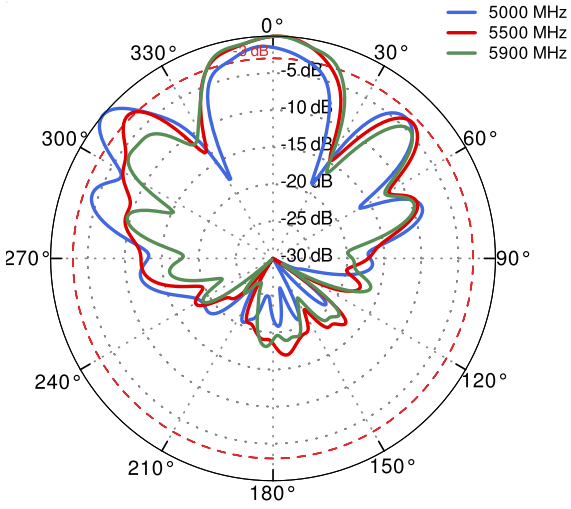
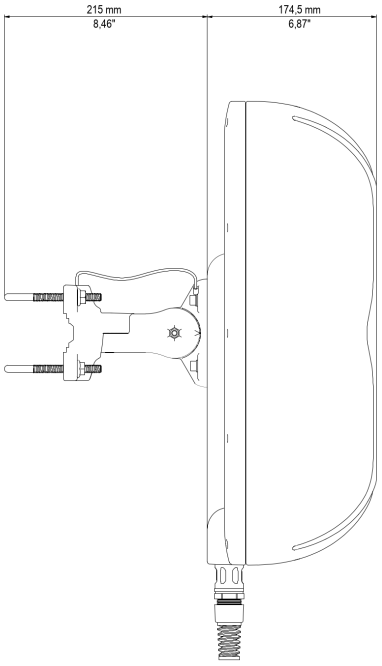
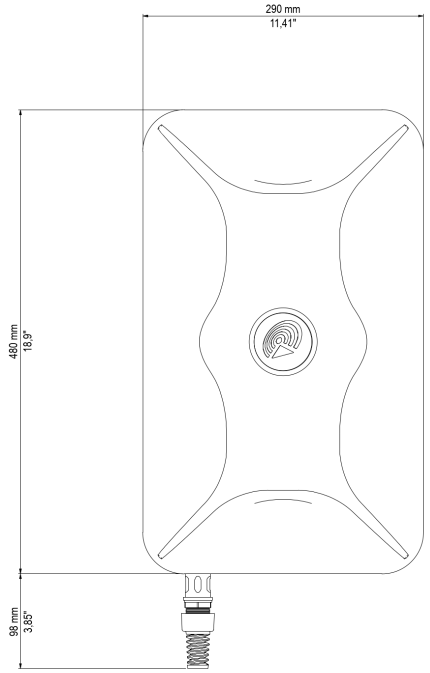
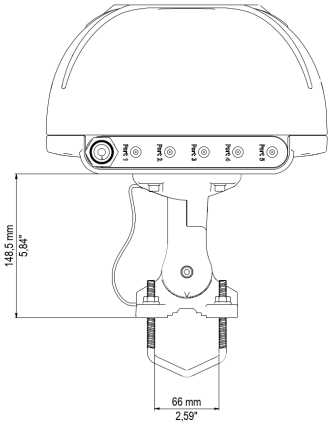


DIMENSIONS







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