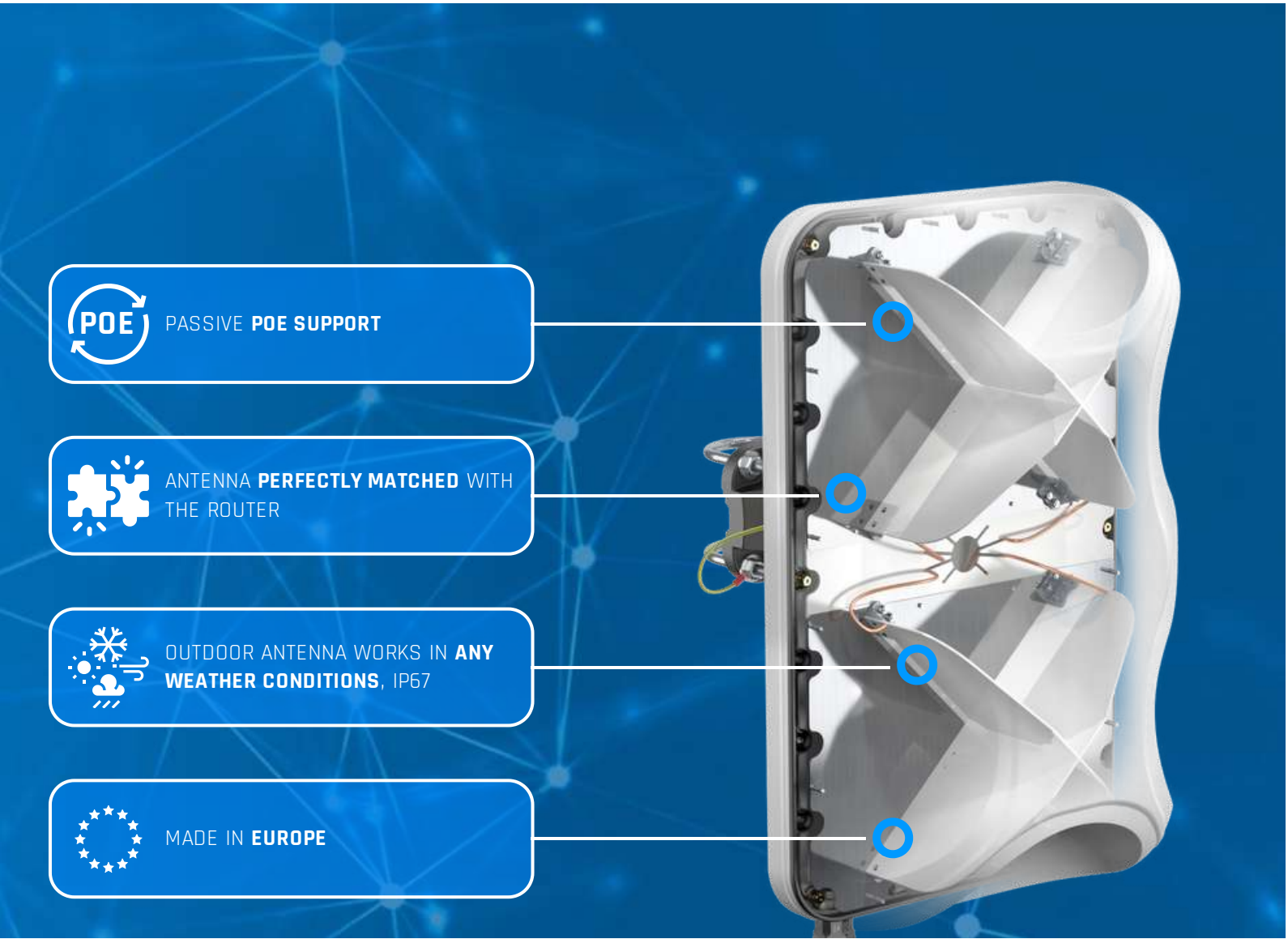
QuMax for Teltonika TRB500

INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + PoE SPLITTER + PLACE TO INSTALL TELTONIKA RUTX 50 (ALL-IN-ONE)

QuMax for TRB500 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 and PoR splitter integrated in IP67 enclosure. It offers 7.5 dBi gain and wide beamwidth, which makes it suitable for use in both urban and rural environments.
The set contains a 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 TRB500 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 | 617-6000MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°



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

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP67
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

FREQUENCY BANDS

LTE / 4G	617 MHz	1	2	3	4	5	7	8	6000MHz
		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							

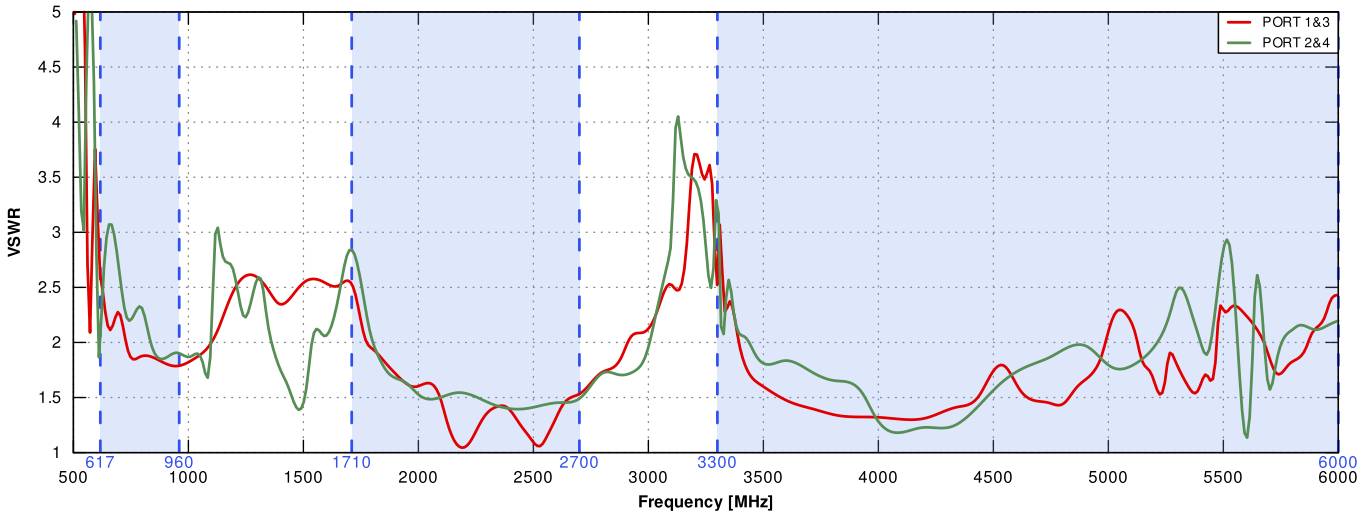
5G

617 MHz — 6000 MHz

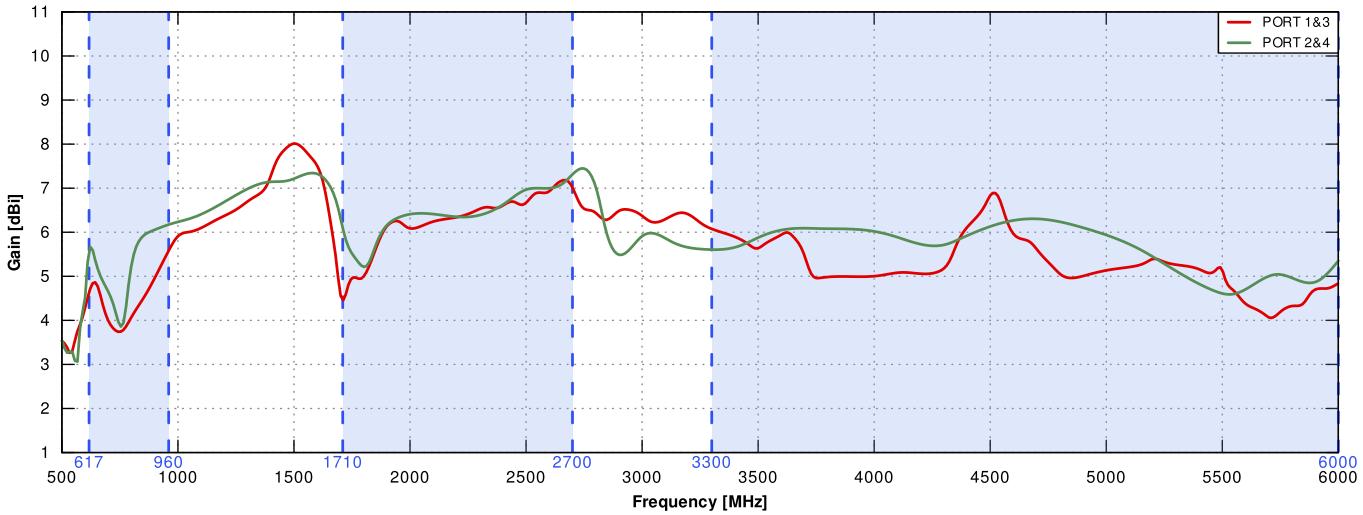
n1	n2	n3	n5	n7	n8	n12
n13	n14	n18	n20	n25	n26	n28
n29	n30	n34	n38	n39	n40	n41
n46	n47	n48	n53	n65	n66	n67
n71	n77	n78	n80	n81	n82	n83
n84	n85	n86	n89	n90	n95	n97
n98	n100	n101	n256			

PLOTS

VSWR for 5G/LTE antenna

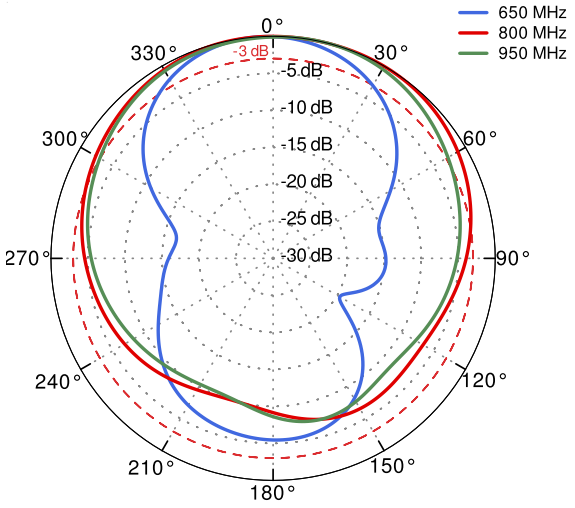


Gain for 5G/LTE antenna

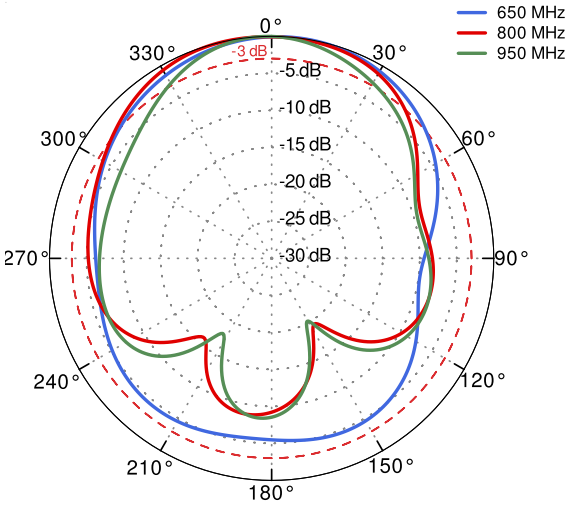


PORT 1&3 - 5G/LTE from 650MHz to 950MHz

ELEVATION

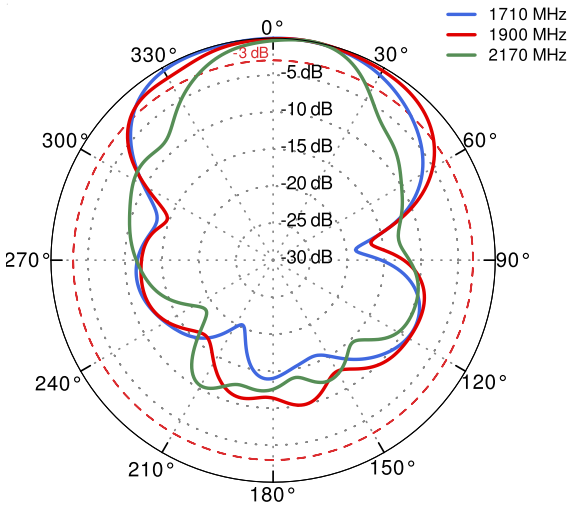


AZIMUTH



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

ELEVATION



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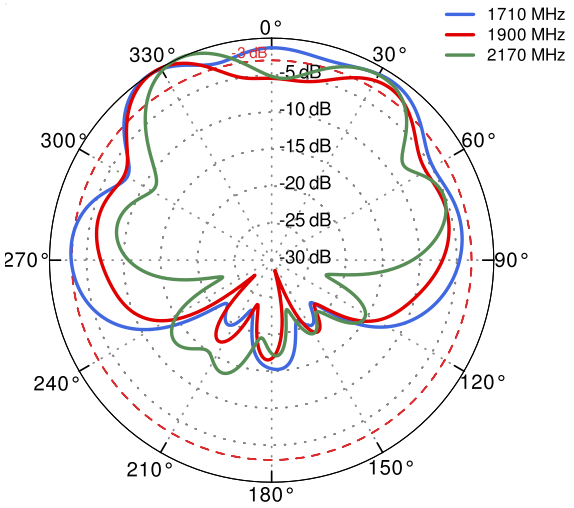
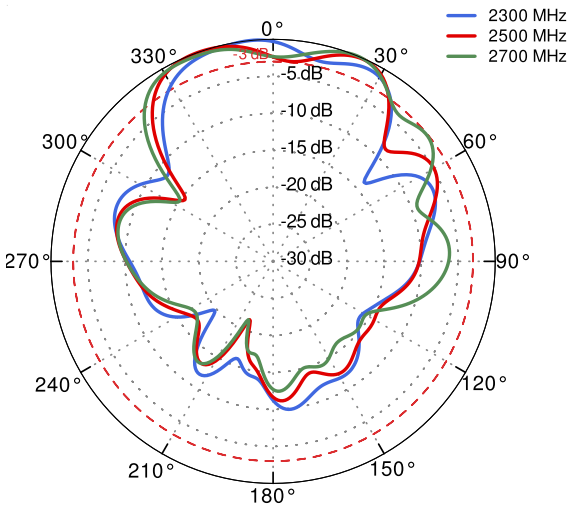


PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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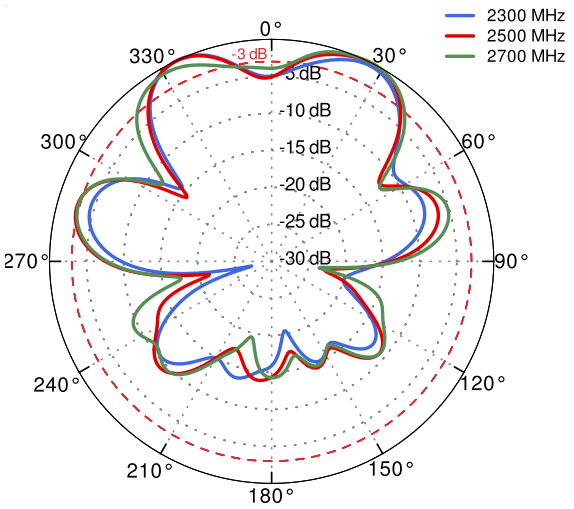
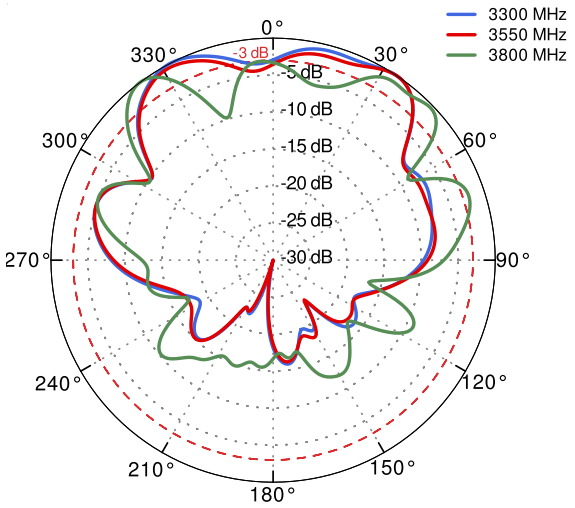


PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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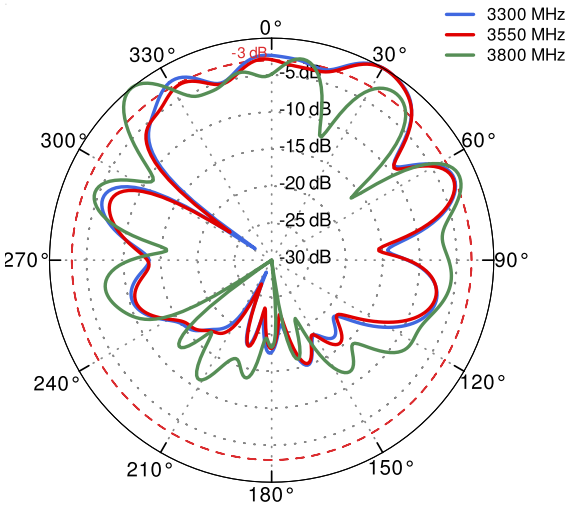
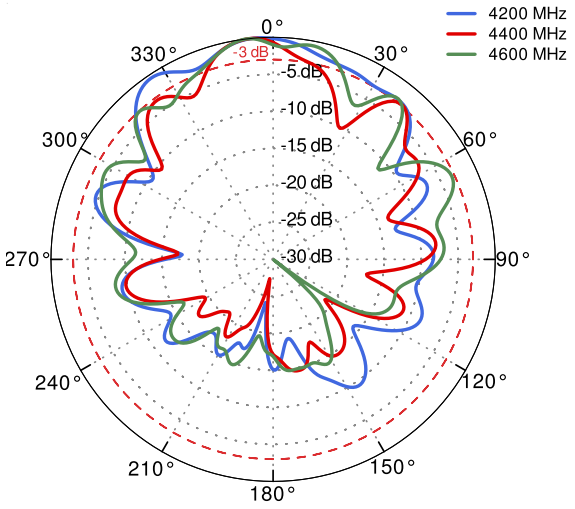


PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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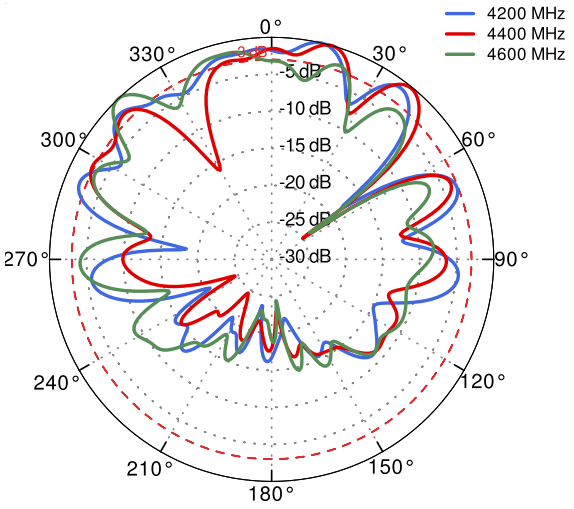
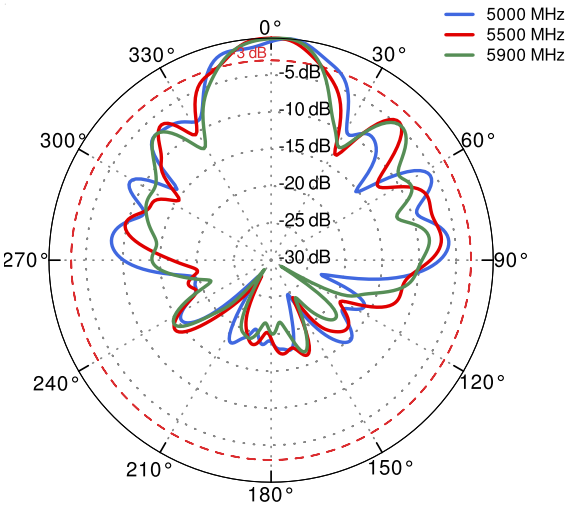


PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



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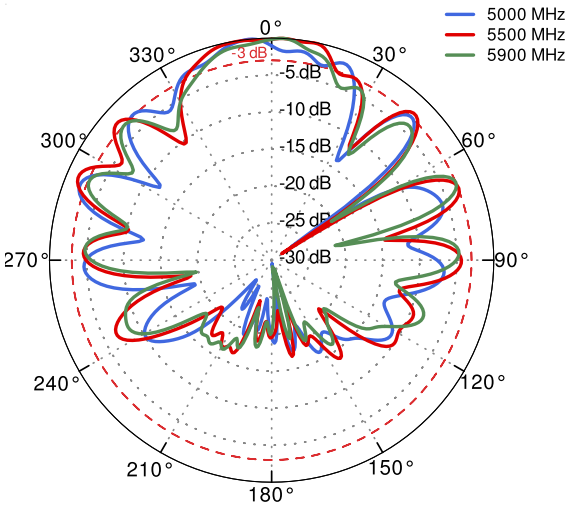
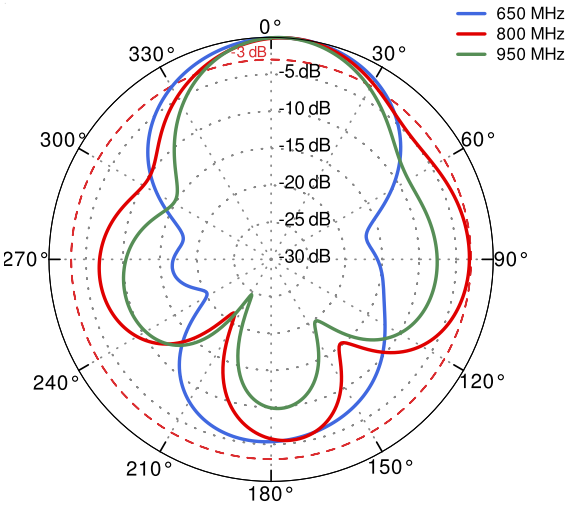


PORT 2&4 - 5G/LTE from 650MHz to 950MHz

ELEVATION



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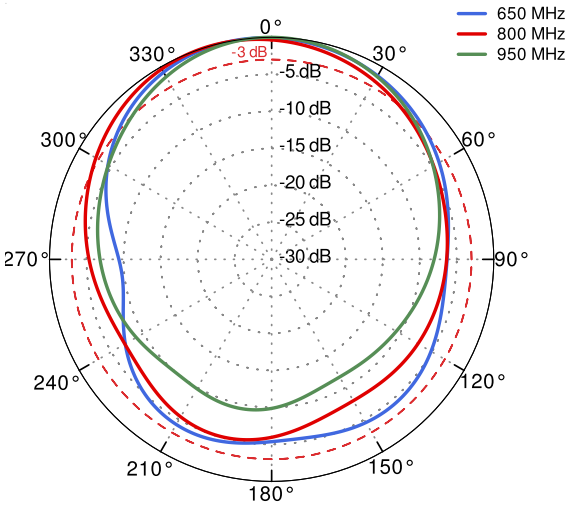
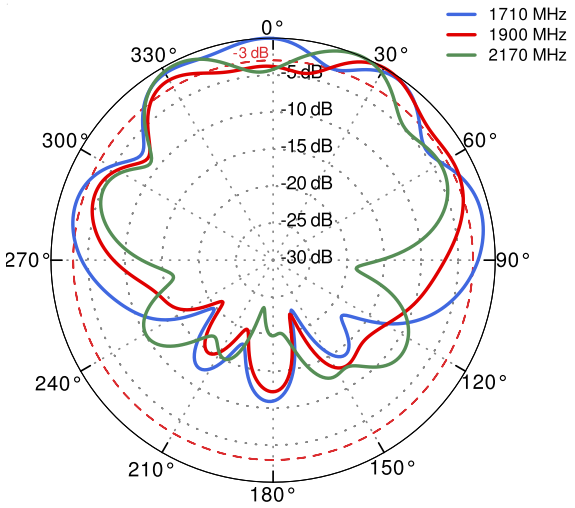


PORT 2&4 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



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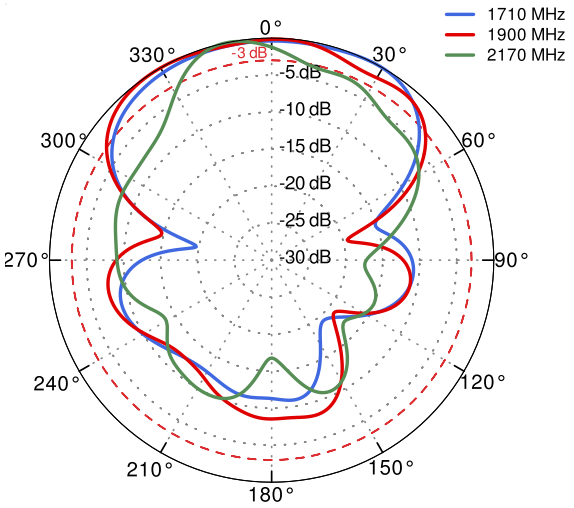
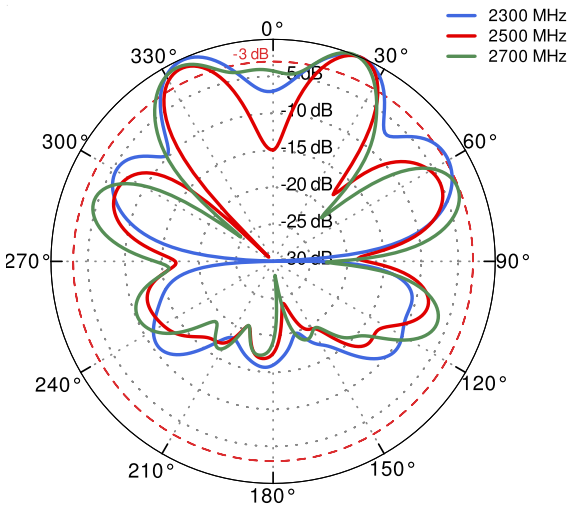


PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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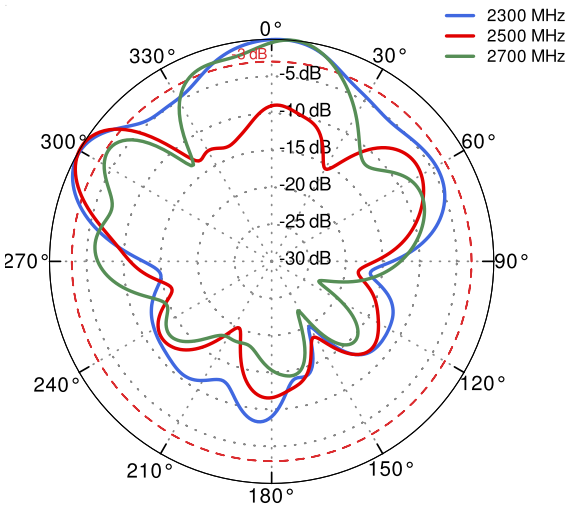
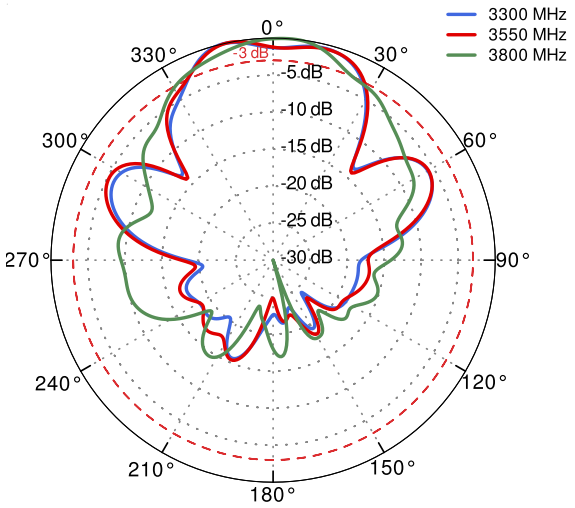


PORT 2&4 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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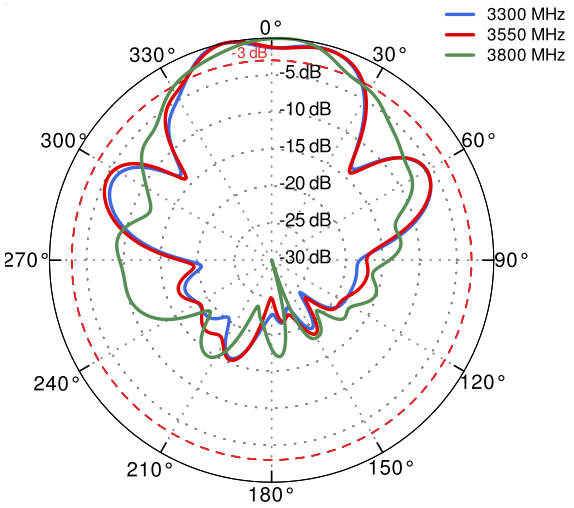
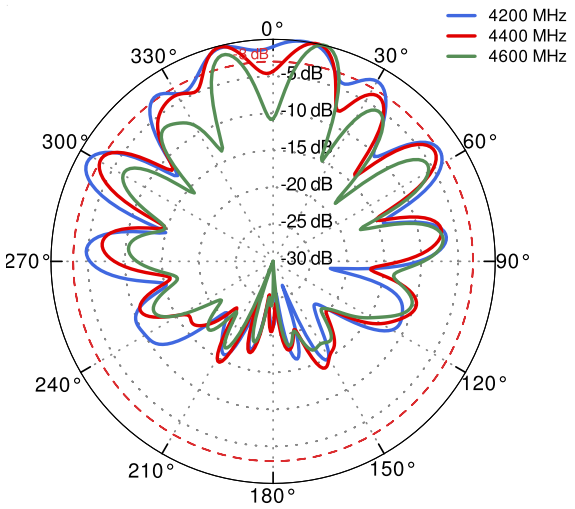


PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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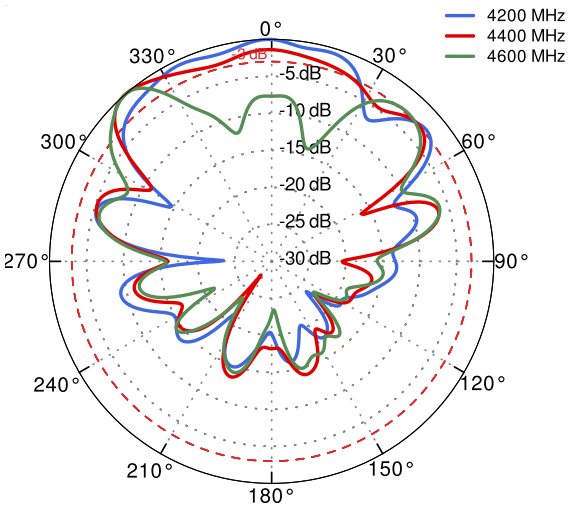
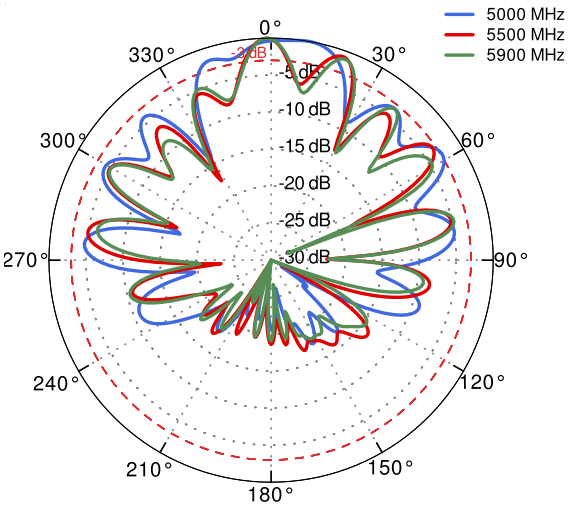


PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



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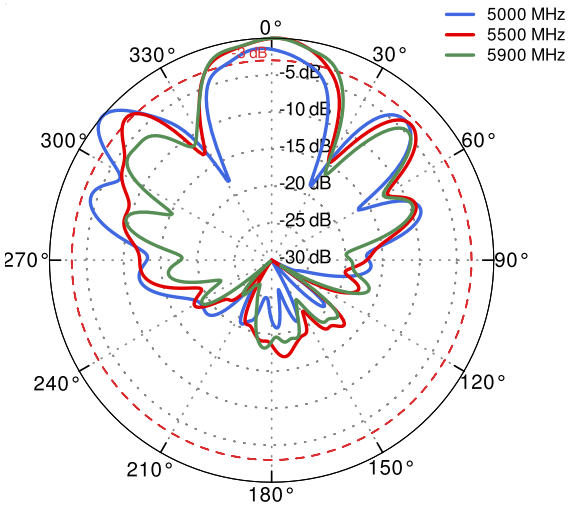

DIMENSIONS

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