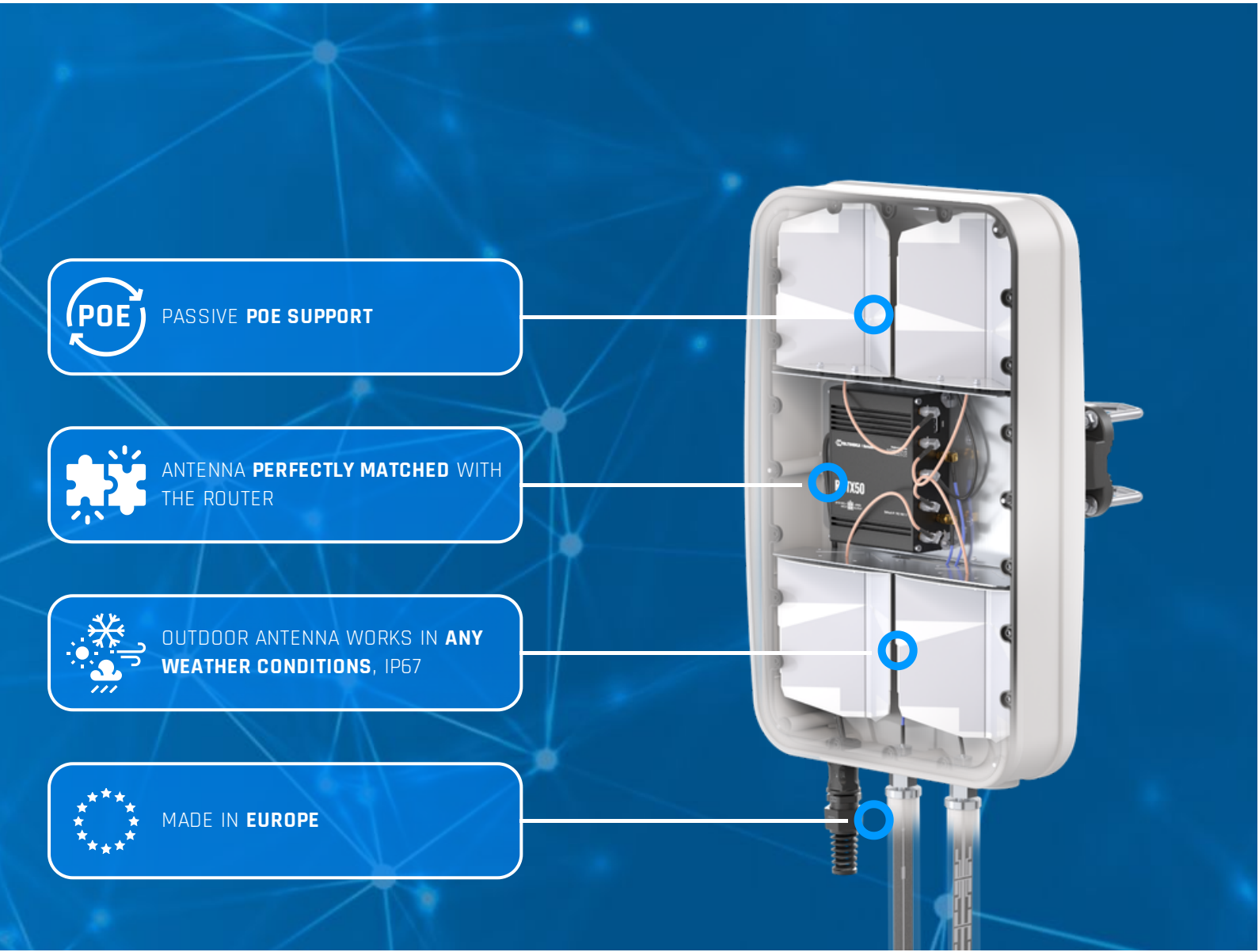
QuMax Omni for Teltonika RUTX50

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + Wi-Fi ANTENNA + GPS + PLACE TO INSTALL TELTONIKA RUTX50/RUTM51/RUTM54/RUTM55/RUTM16 (ALL-IN-ONE)

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the Teltonika RUTX50, RUTM51, RUTM54, RUTM55 and RUTM16 router. The antenna covers a wide frequency range from 617MHz (Band71) to 6.0GHz. Apart from 5G, also Wi-Fi and GPS antennas are included, which means you get an all-in-one solution for your RUTX50/RUTM51/RUTM54/RUTM55/RUTM16.
Additional router compartment inside the housing creates a variety of new outdoor (IP67) scenarios. It is recommended for moving applications, like trains, buses, yachts or campers, but also to improve signal quality in rural areas.
NOTE! The antenna doesn't support B32 band and n77 above 3800 MHz band!

5G | BAND 71 | 617-6000MHz | 4 dBi | OMNI DIRECTIONAL | IP 67 | -40° TO +80° | Wi Fi DUALBAND | GPS



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 6.0 GHz
GAIN	0.617 - 0.96 GHz: 3 dBi 1.7 - 2.7 GHz: 3,5 dBi 3.3 - 6.0 GHz : 4 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, 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, n48, n53, n65, n66, n67, n71, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 4.70 - 6.00 GHz
GAIN	2.40 - 2.50 GHz : 6 dBi 4.70 - 6.00 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Verical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

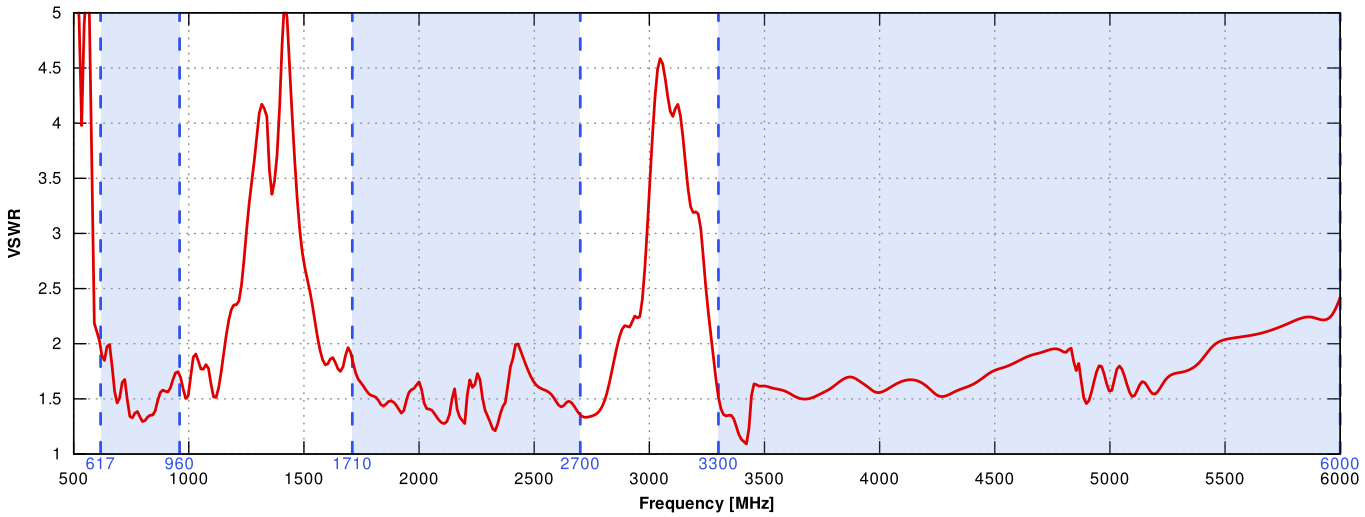
RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP67
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.5 kg 5.51 lbs
OPERATING TEMPERATURE	From -40°C to 70°C From -40°F to 167°F

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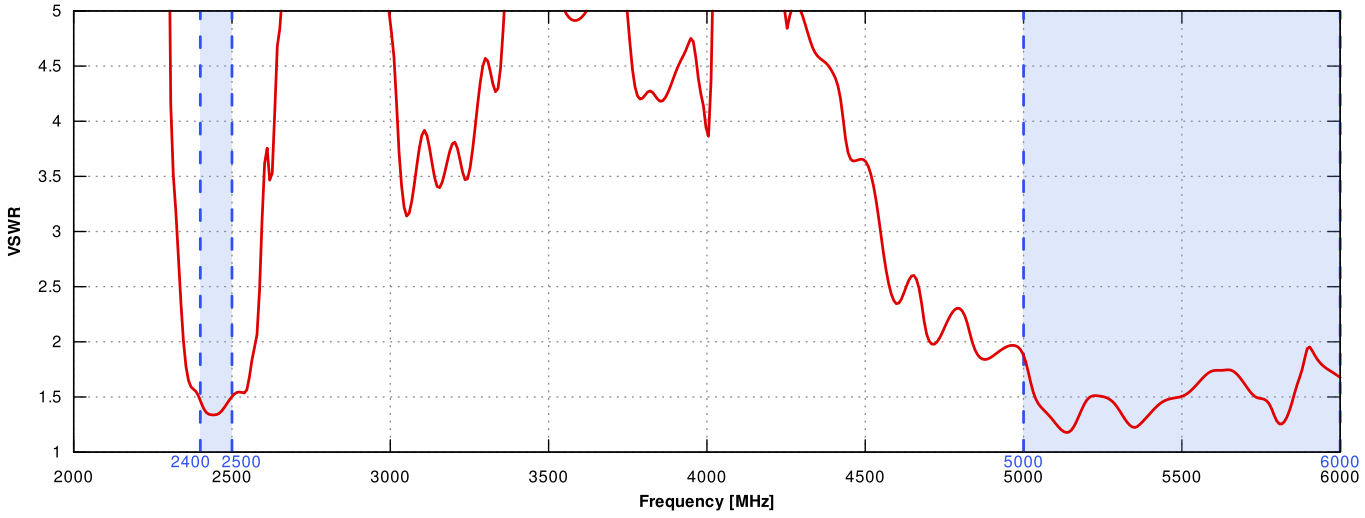
MAST DIAMETER	25-66mm 0.98-2.60 inch
INCLUDED BRACKET WIND SURVIVAL	≤220 km/h
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm

PLOTS

VSWR for LTE antenna

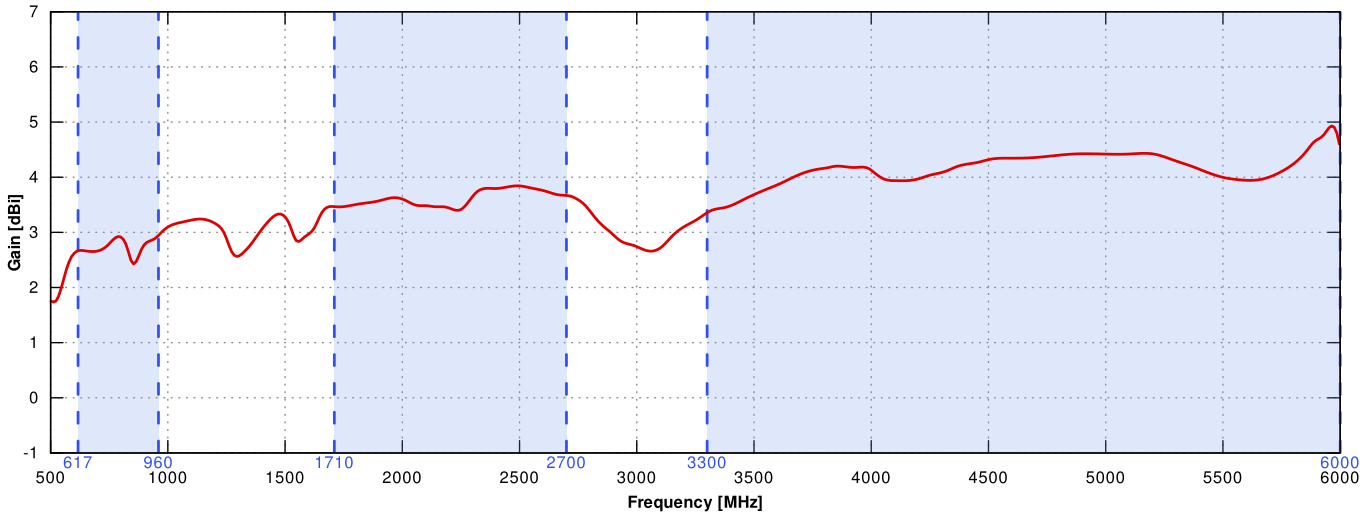


VSWR for Wi-Fi antenna

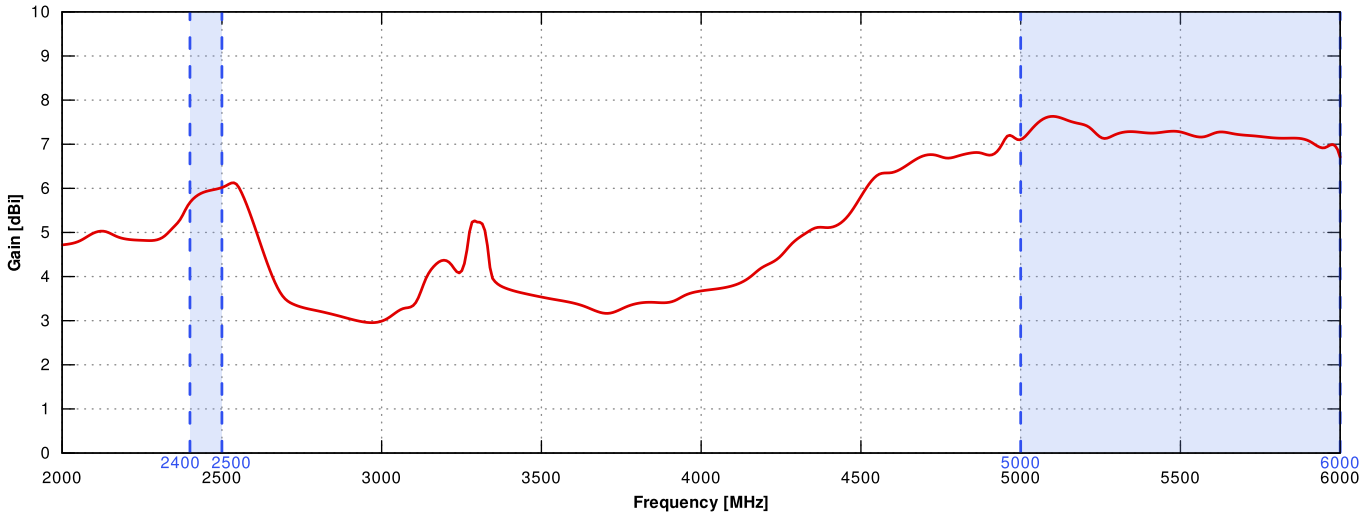


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Gain for LTE antenna



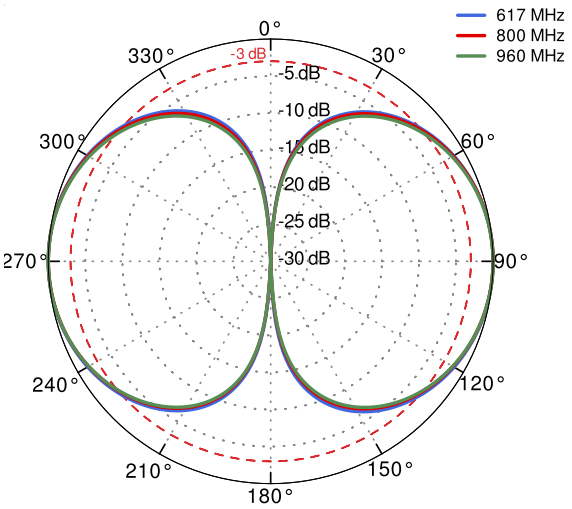
Gain for Wi-Fi antenna



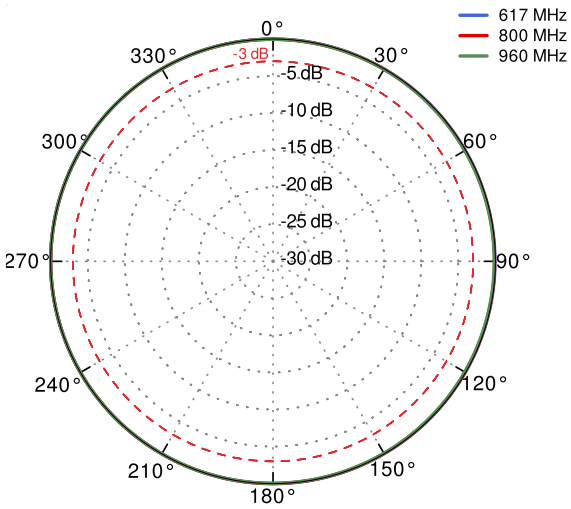
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5G/LTE from 617MHz to 960MHz

ELEVATION

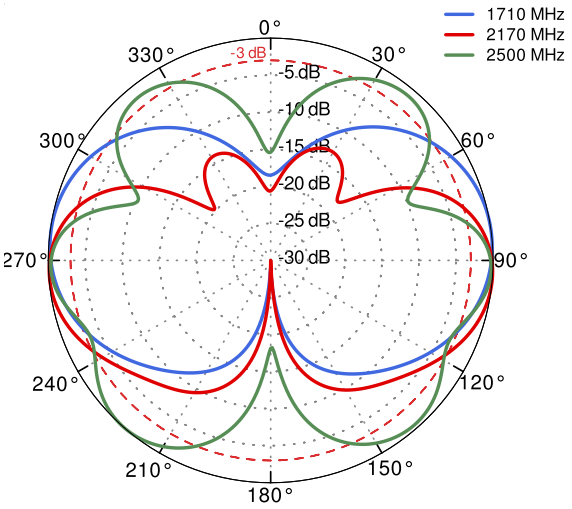


AZIMUTH

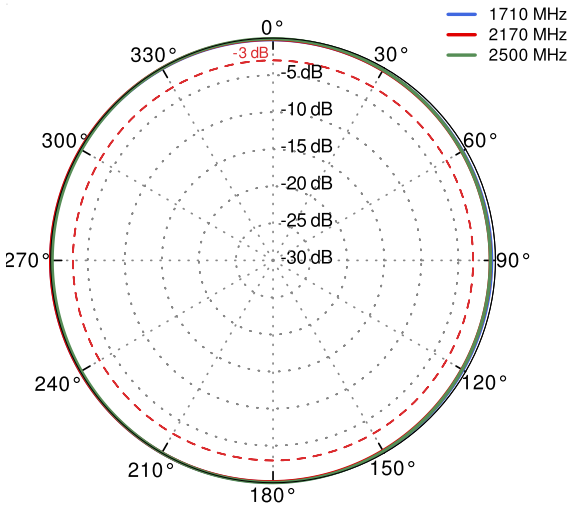


5G/LTE from 1.71GHz to 2.5GHz

ELEVATION



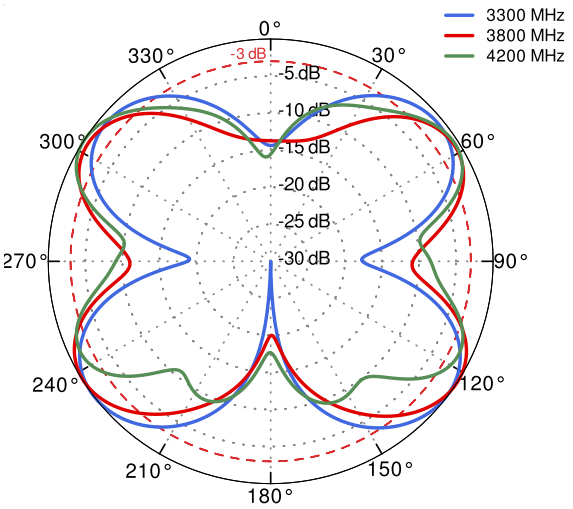
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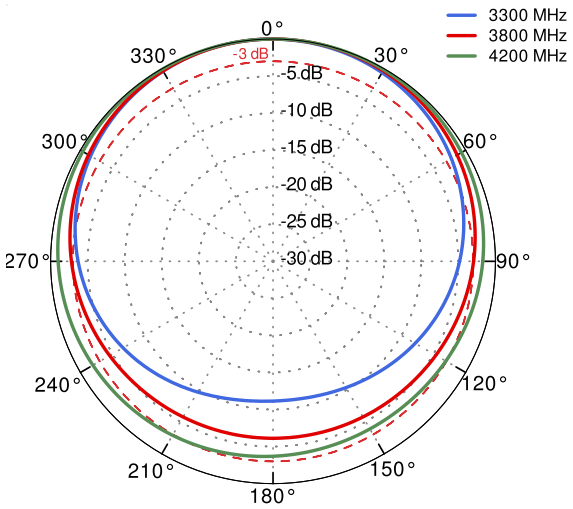
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5G/LTE from 3.3GHz to 4.2GHz

ELEVATION

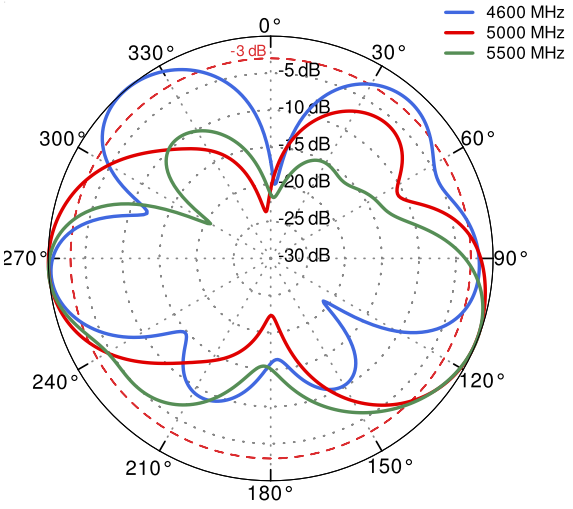


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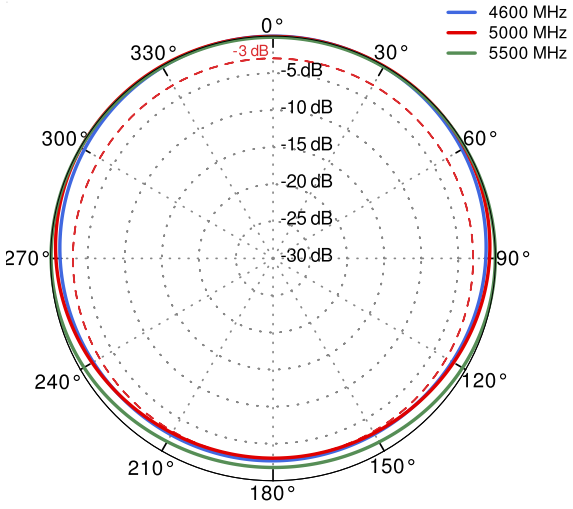


5G/LTE from 4.6GHz to 5.5GHz

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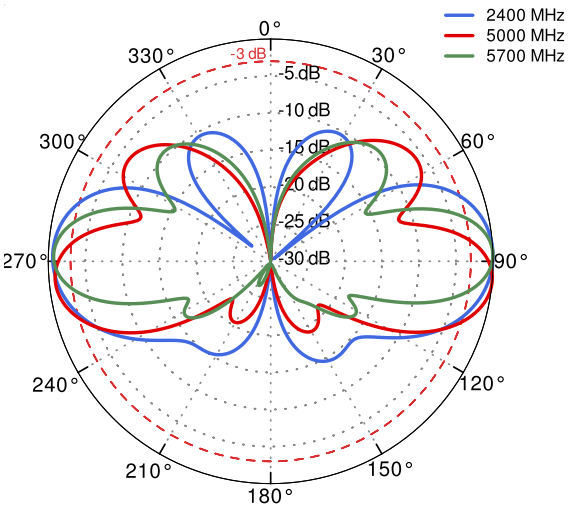
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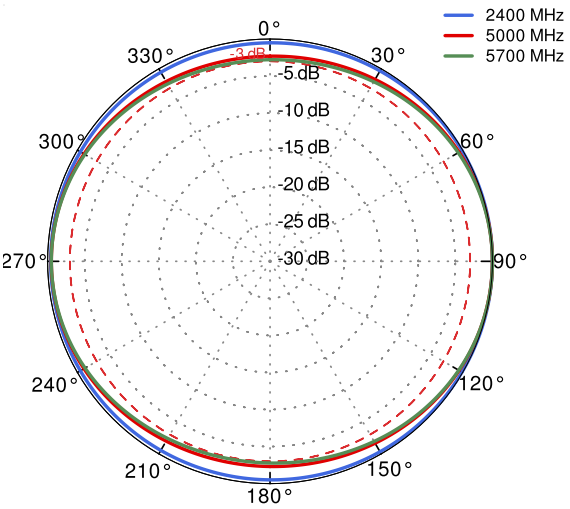
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Wi-Fi 2.4GHz and 5GHz

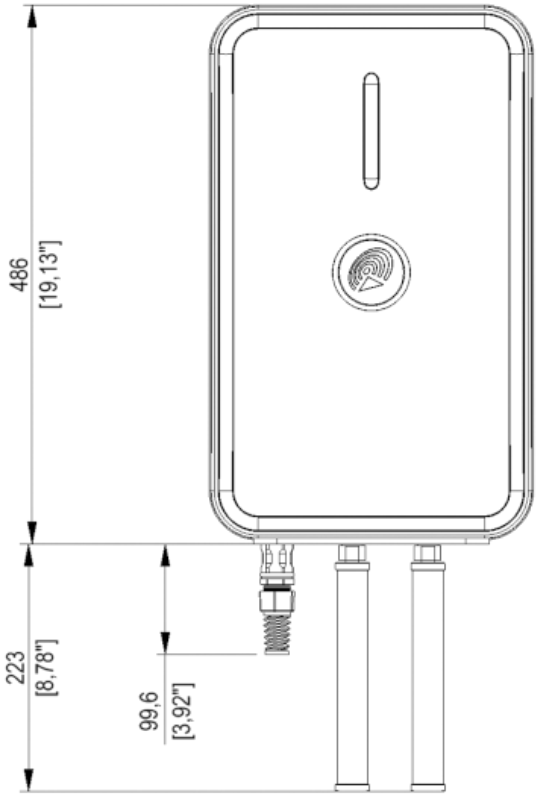
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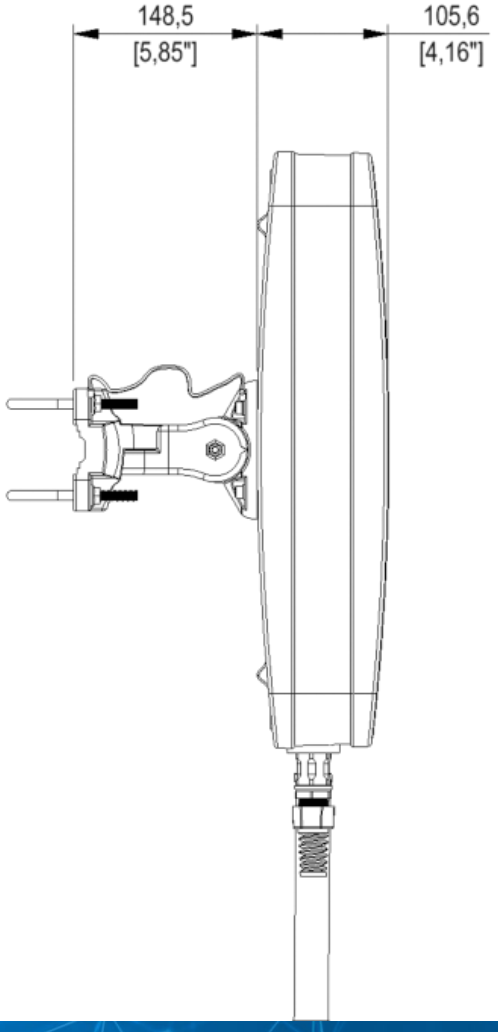


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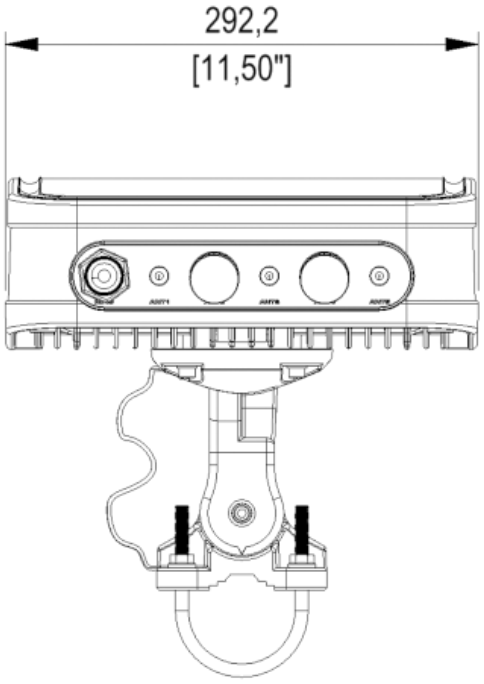


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