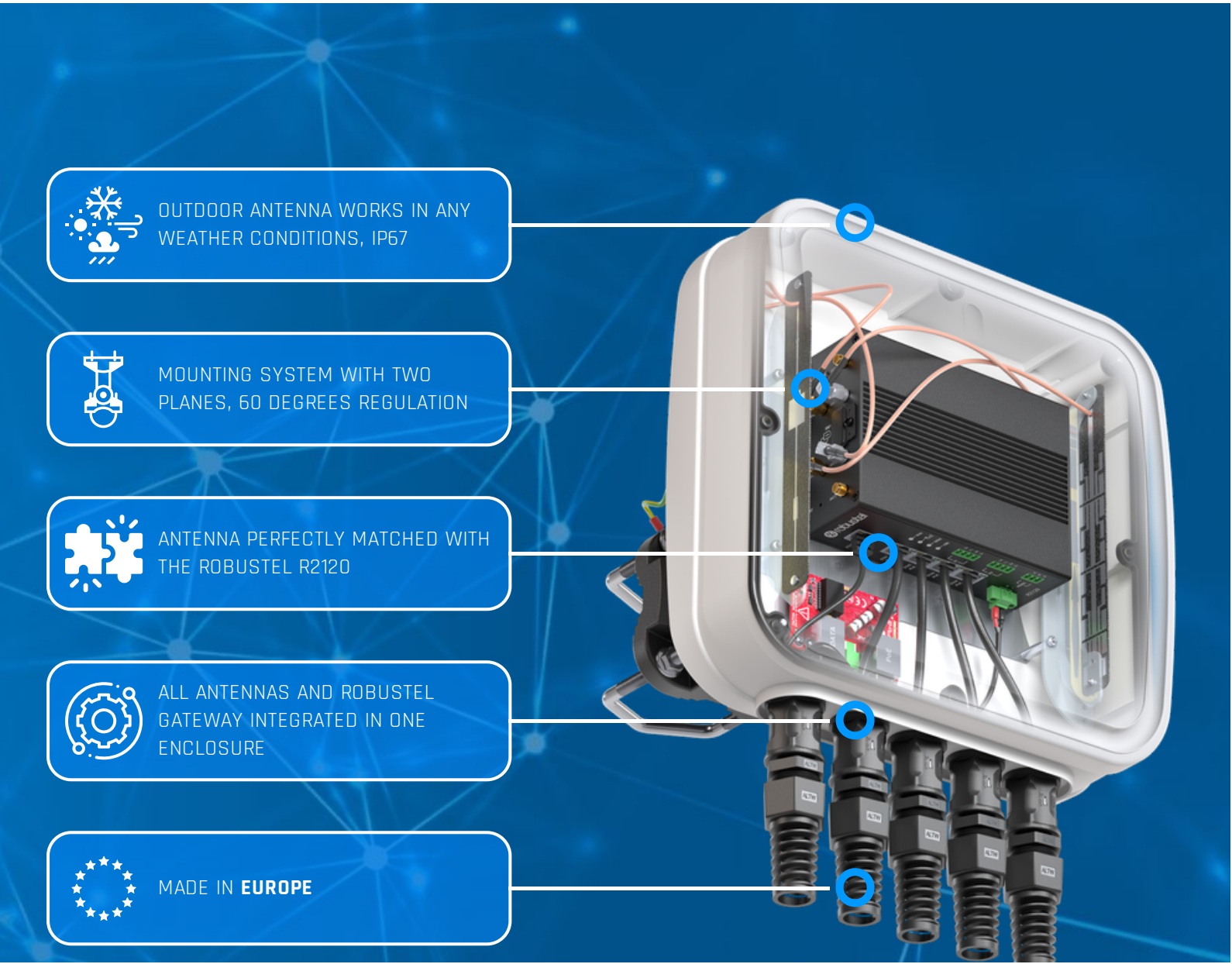
QuMax Omni for Robustel R2120

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WI-FI 6E ANTENNA + POE SPLITTER + PLACE TO INSTALL ROBUSTEL R2120 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel R2120 gateway is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni LTE and Wi-Fi 6E antenna. If you use R2120 with QuMax Omni antenna, you get an integrated complete solution with embedded gateway, multi band antennas and 4x PoE 802.3af/at to power external devices 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.

4G LTE | 2x2 MIMO | 694-2700MHz | 3 dBi | Wi Fi 6E | 2.4GHz + 5GHz 6GHz + 7GHz | OMNI DIRECTIONAL | IP 67 | -40° TO +80°



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz
GAIN	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 2.7 GHz : 3 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n95, n98, n100, n101, n256
VSWR	<1.50, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
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

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MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	5 x 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
MAST DIAMETER	25-66mm 0.98-2.60 inch

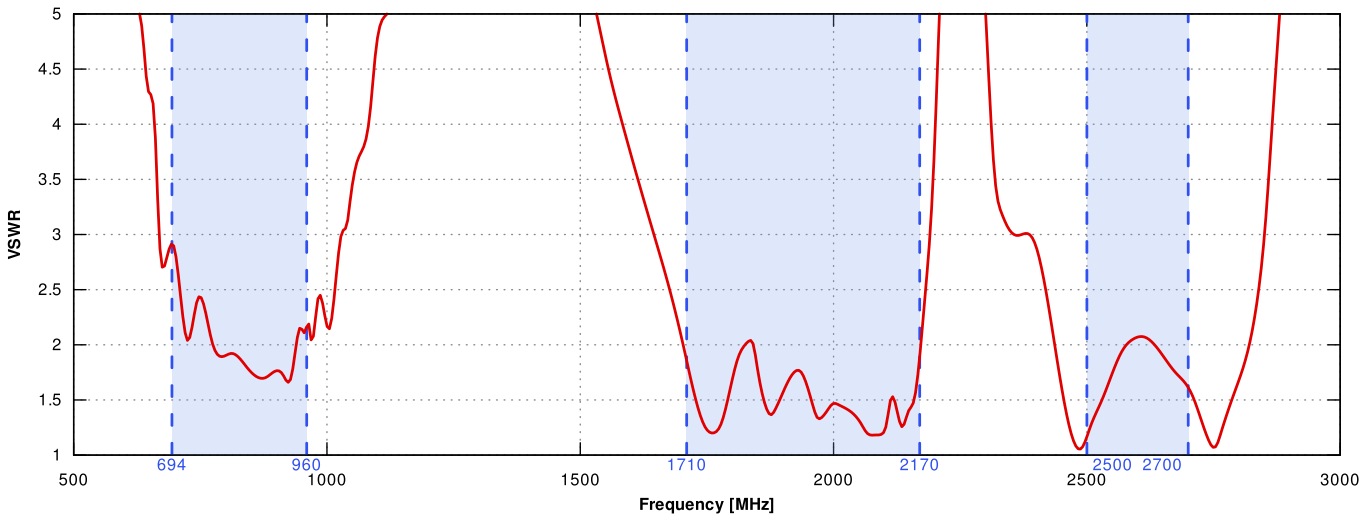
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FREQUENCY BANDS

LTE / 4G GSM	617 MHz	5	8	12	13	14	17	18	960 MHz
		19	20	26	27	28	29	44	
		67	68	85	103	n81	n82	n83	
		n89	n100						
LTE / 4G UMTS	1710 MHz	1	2	3	4	9	10	25	2170 MHz
		33	34	35	36	37	39	n80	
		n84	n86	n95	n98	n101			
LTE / 4G	2400 MHz	7	38	69					2700 MHz

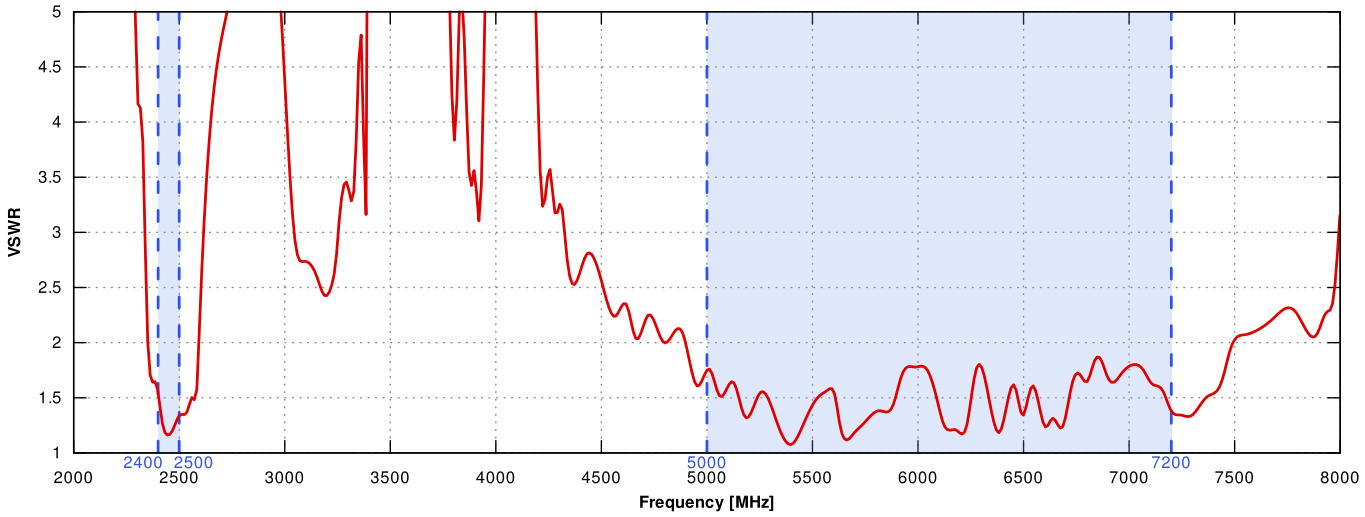
PLOTS

LTE VSWR

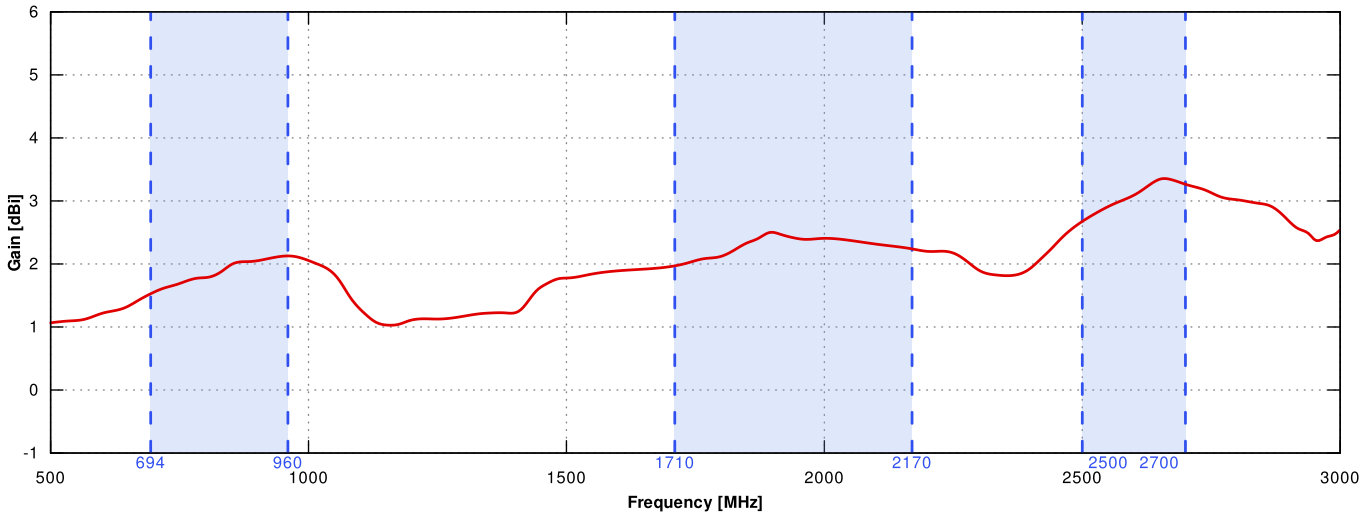


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Wi-Fi VSWR

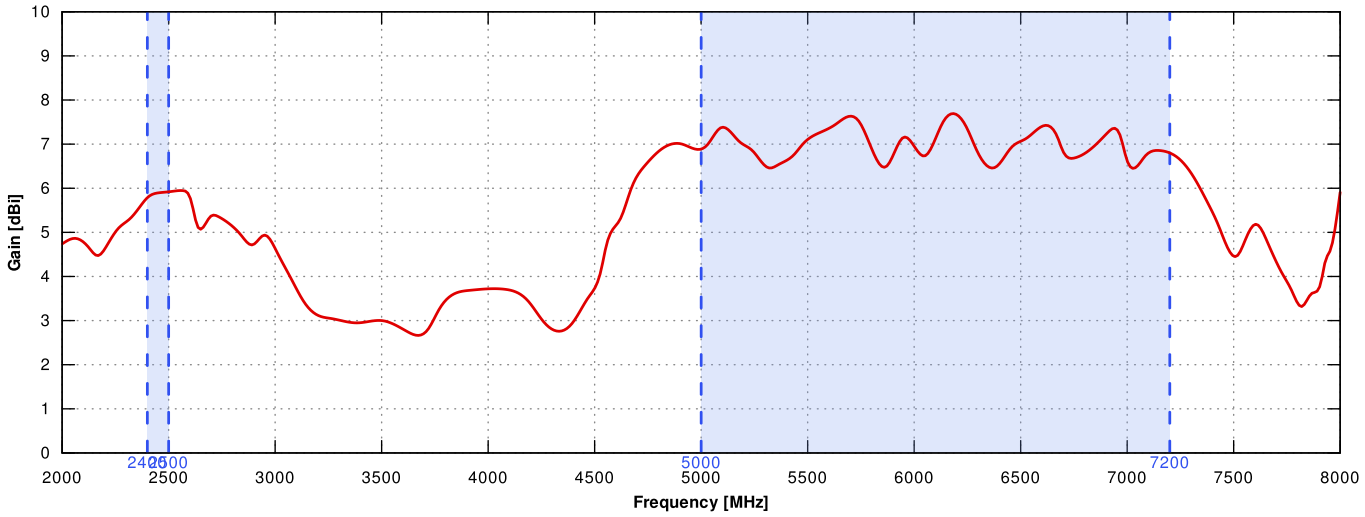


LTE Gain



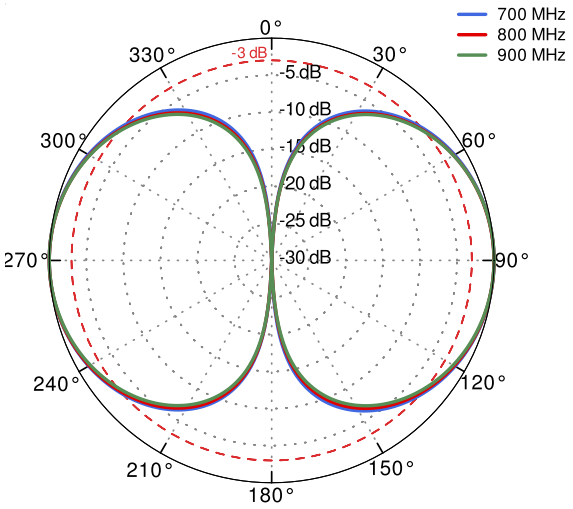
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Wi-Fi Gain

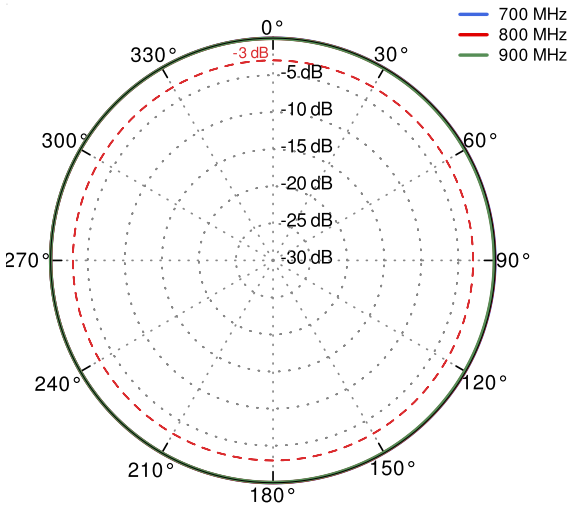


LTE From 700MHz to 900MHz

ELEVATION



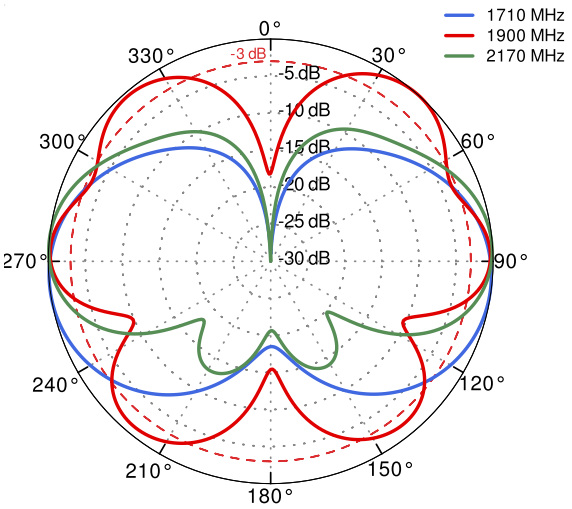
AZIMUTH



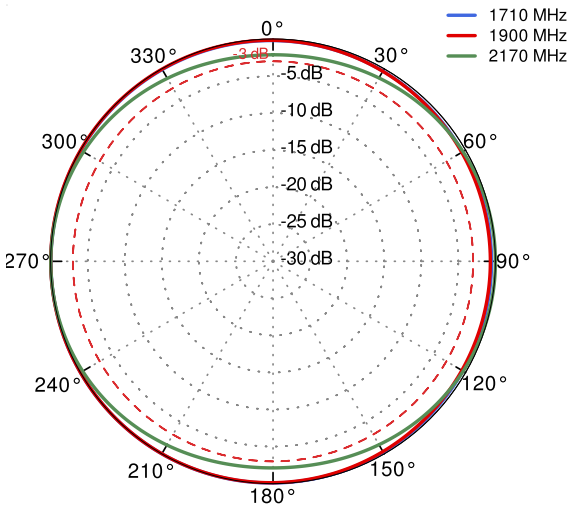
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LTE From 1.71GHz to 2.17GHz

ELEVATION

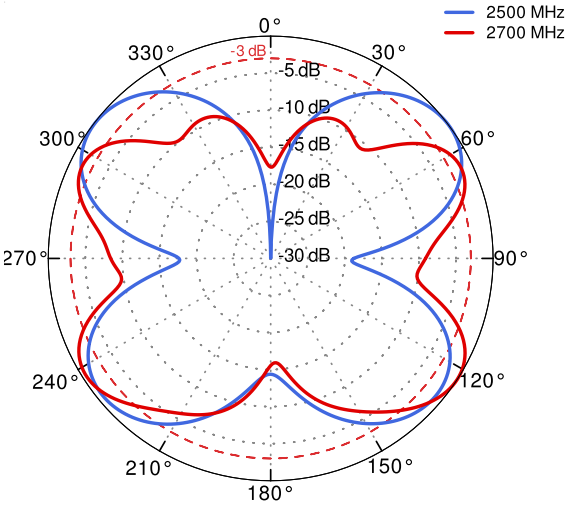


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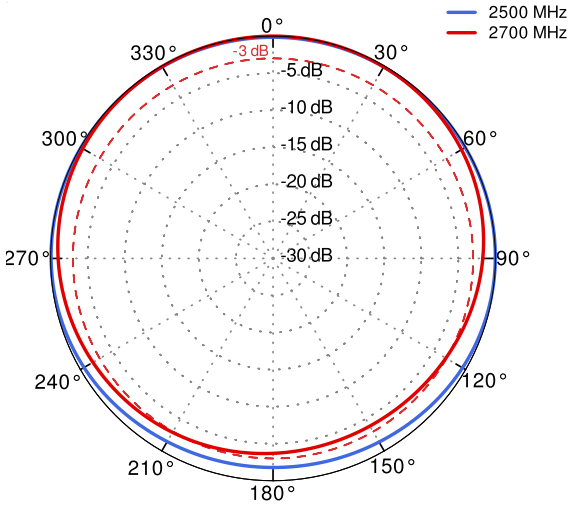


LTE From 2.5GHz to 2.7GHz

ELEVATION



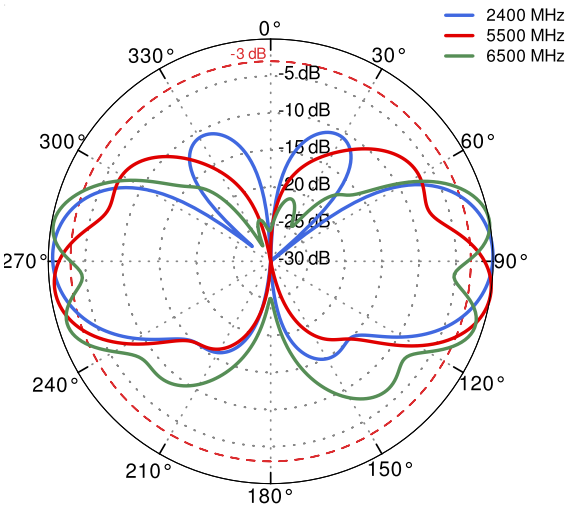
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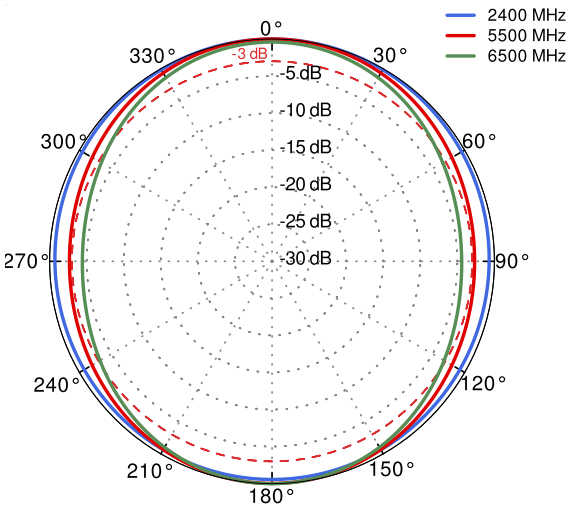
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Wi-Fi From 2.4GHz to 6.5GHz

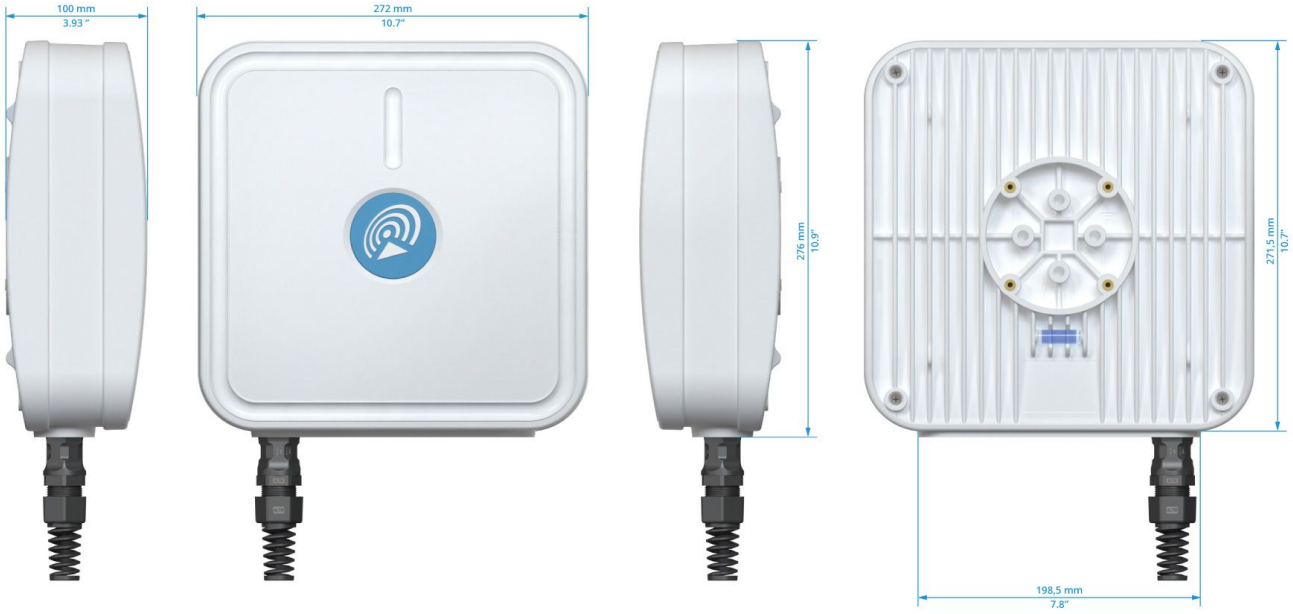
ELEVATION



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DIMENSIONS



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