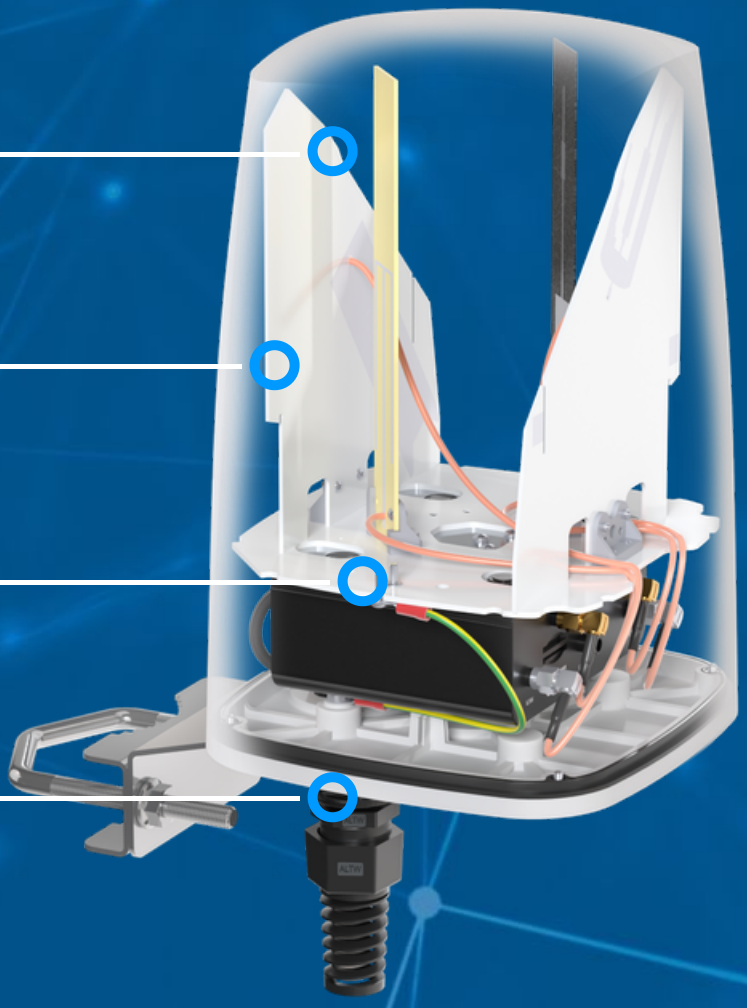
QuSpot for Robustel R1520-LG

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WIFI OMNI ANTENNA + LORA OMNI ANTENNA + PLACE TO INSTALL ROBUSTEL R1520-LG (ALL-IN-ONE)

QuSpot omni LTE antenna for Robustel R1520-LG router is a perfect outdoor device for mobile and fixed installations like industrial, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded also omni Wi-Fi and omni LoRa antenna. If you use R1520-LG with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

4G LTE | Wi Fi 6E | 617-6000MHz | 4 dBi | 868MHz | 915MHz | OMNI DIRECTIONAL | IP 68 | -40° TO +80°

- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68
- ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R1520-LG
- ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE
- MADE IN **EUROPE**



5G/LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.960 GHz 1.6 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.0 GHz
MAX. GAIN	0.617 - 0.960 GHz : 2 dBi 1.6 - 3.0 GHz : 4 dBi 3.0 - 5.0 GHz : 4 dBi 5.0 - 6.0 GHz : 2 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 111, 252, 254, 256
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, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n106, n252, n254, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.125 GHz
MAX. GAIN	2.40 - 2.50 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

LORA SPECIFICATION

FREQUENCY	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
GAIN	3 dBi
VSWR	<1.20, max <2.00
BEAMWIDTH	360°/70° ±10°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
FRONT TO BACK	>17 dB

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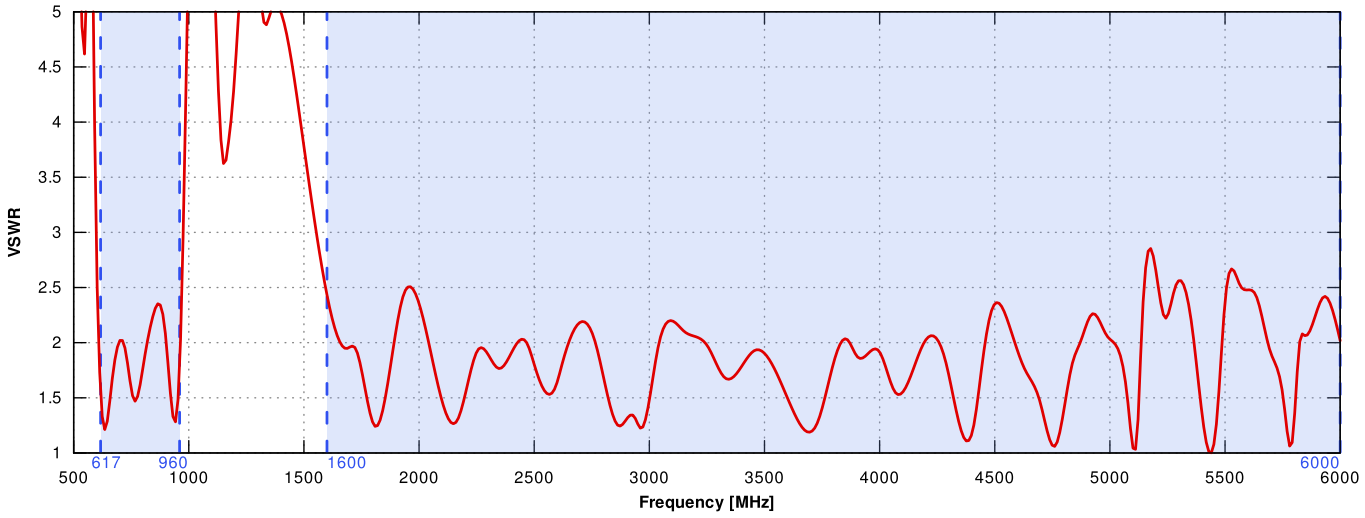
MECHANICAL SPECIFICATION

MATERIAL	ASA, aluminum, PTFE, FR4
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm
MAST DIAMETER	25-66 mm 0.98-2.60 inch

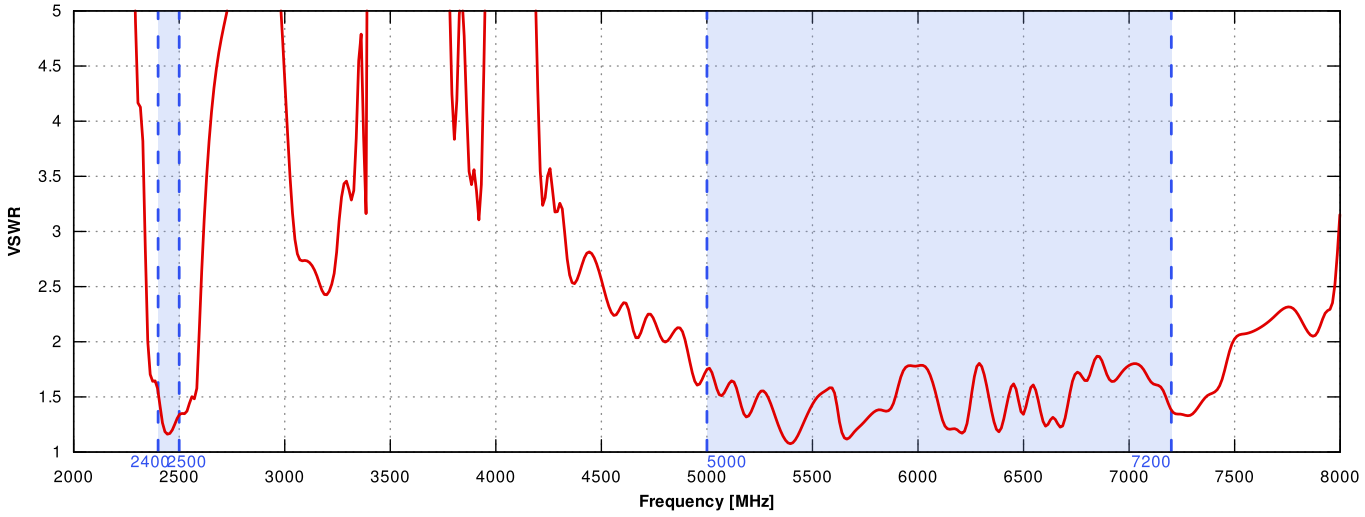
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PLOTS

VSWR for 5G/LTE antenna

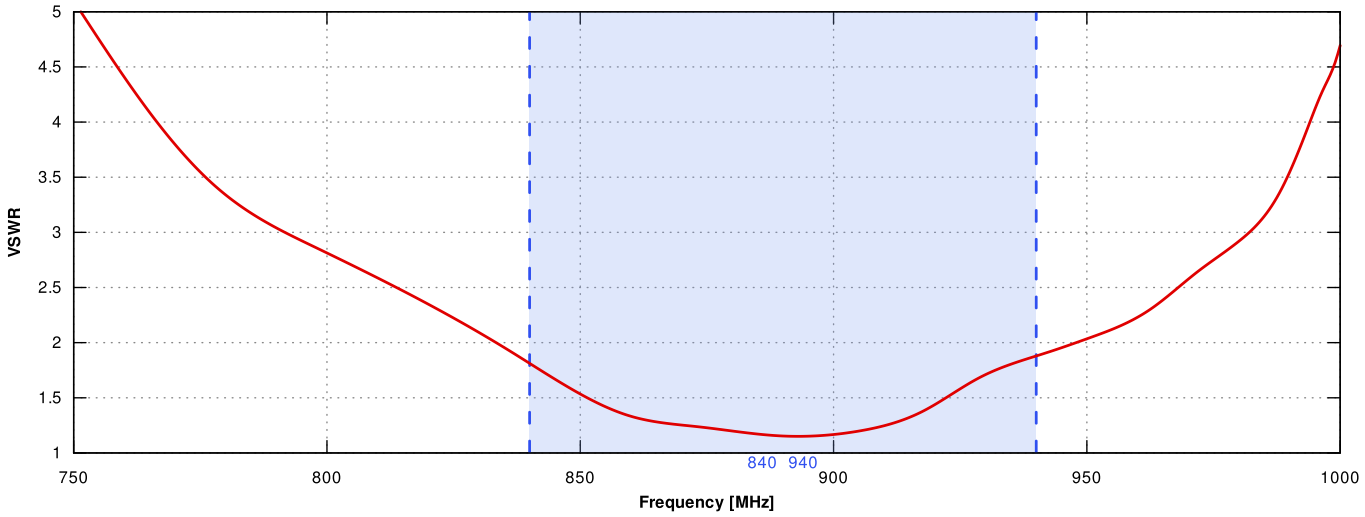


VSWR for Wi-Fi antenna

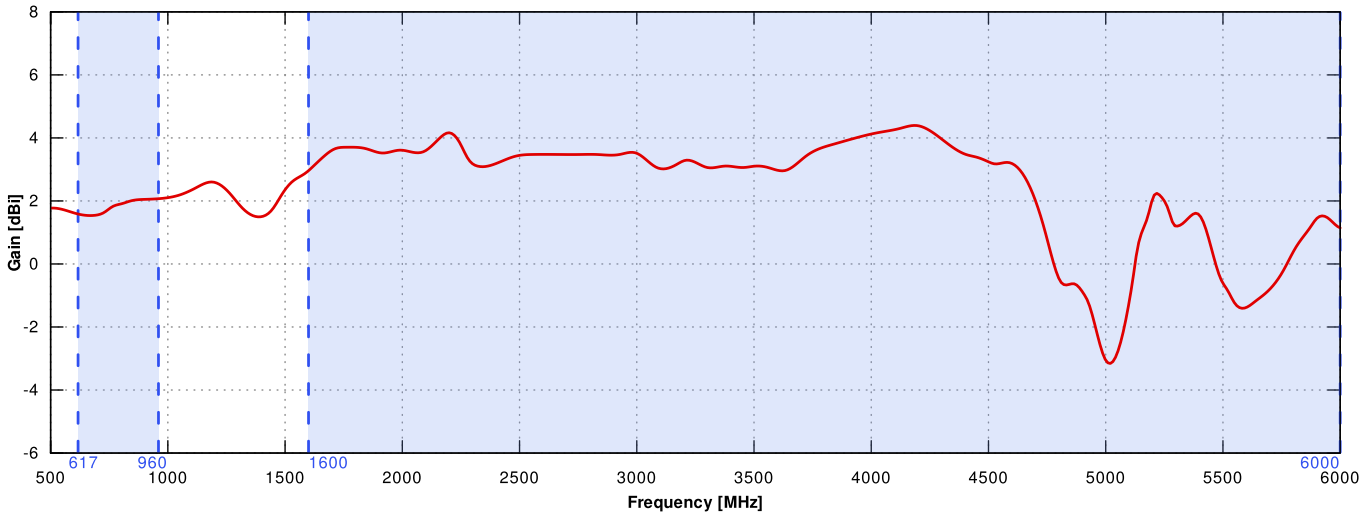


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VSWR for LoRa antenna

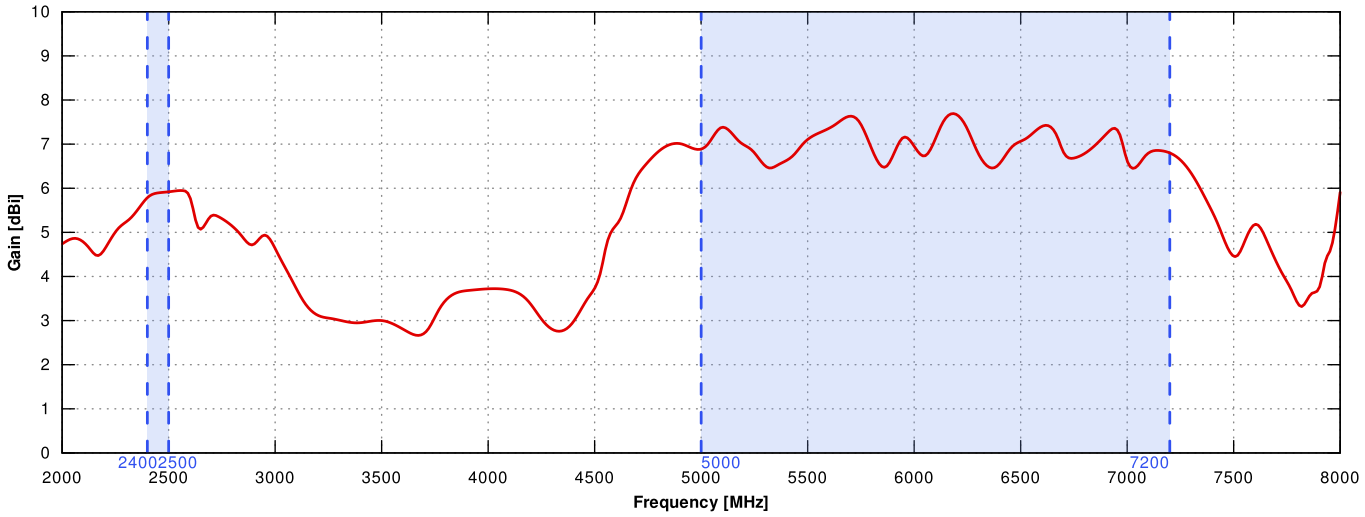


Gain for 5G/LTE antenna

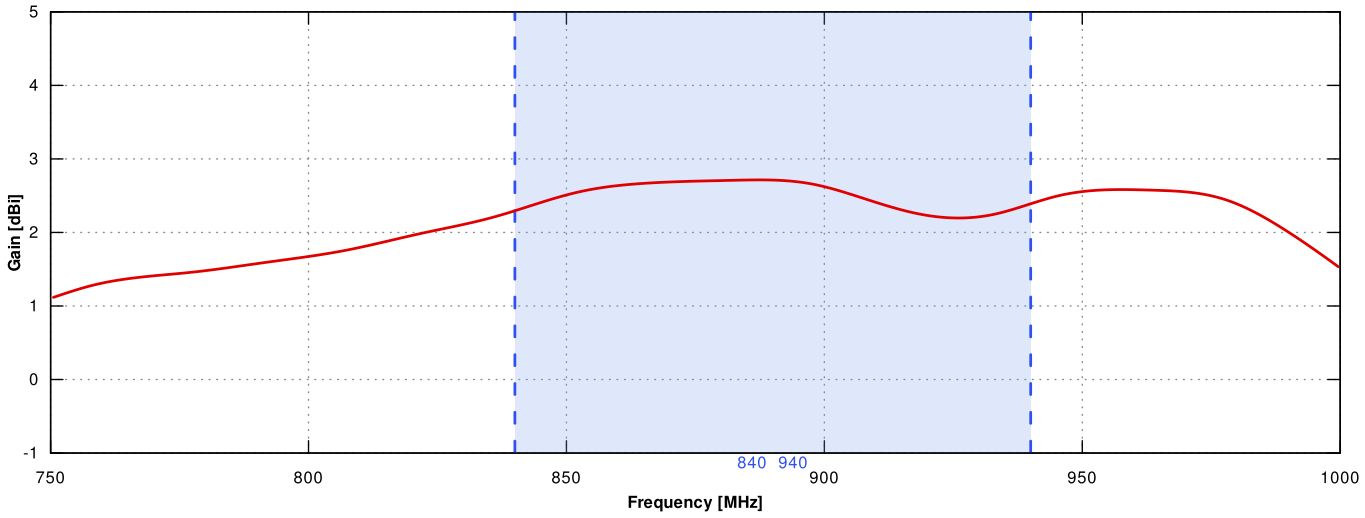


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Gain for Wi-Fi antenna



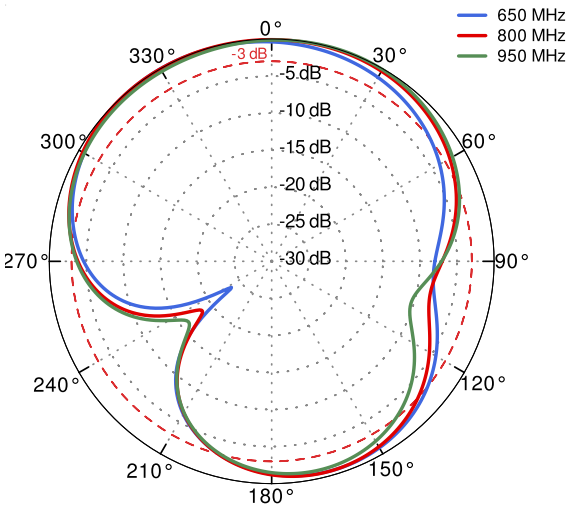
Gain for LoRa antenna



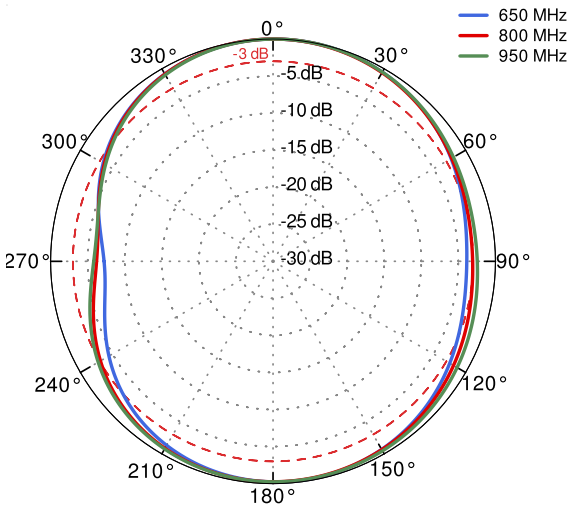
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5G/LTE From 650MHz to 950MHz

ELEVATION

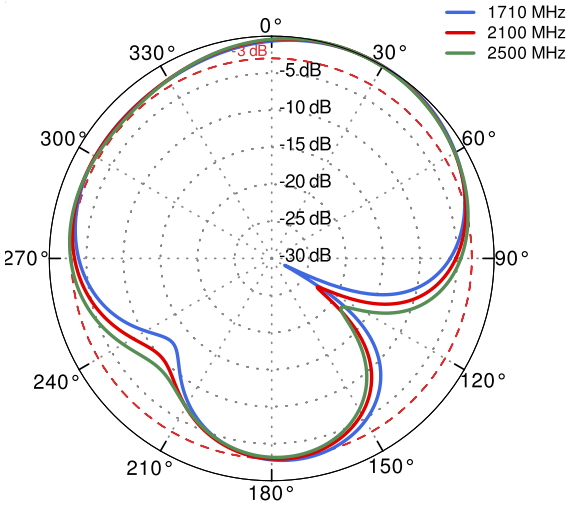


AZIMUTH

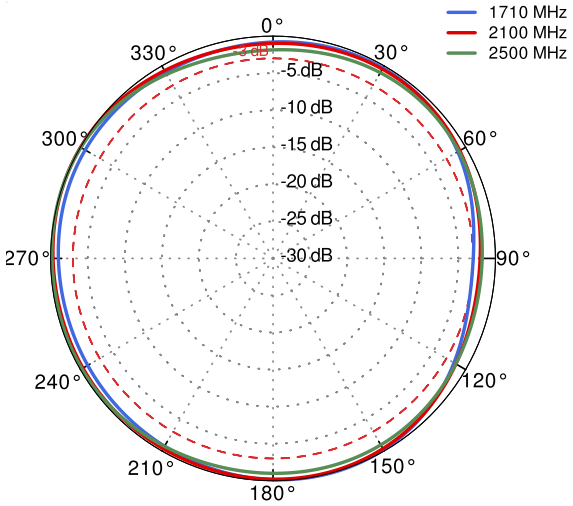


5G/LTE From 1710MHz to 2500MHz

ELEVATION



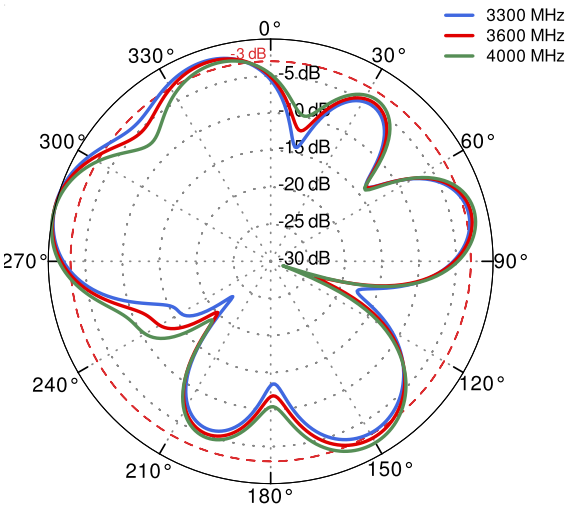
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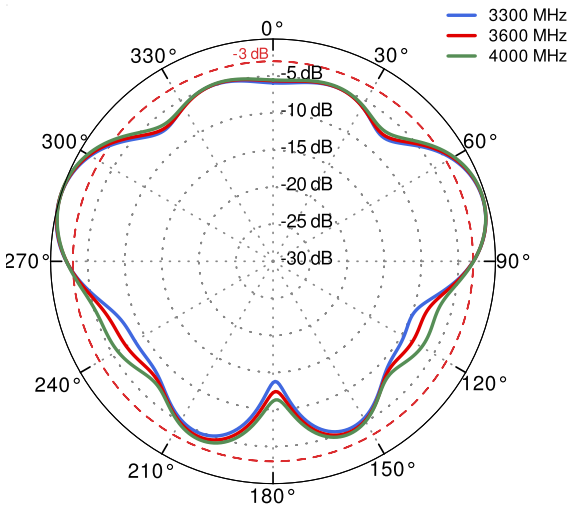
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5G/LTE From 3300MHz to 4000MHz

ELEVATION

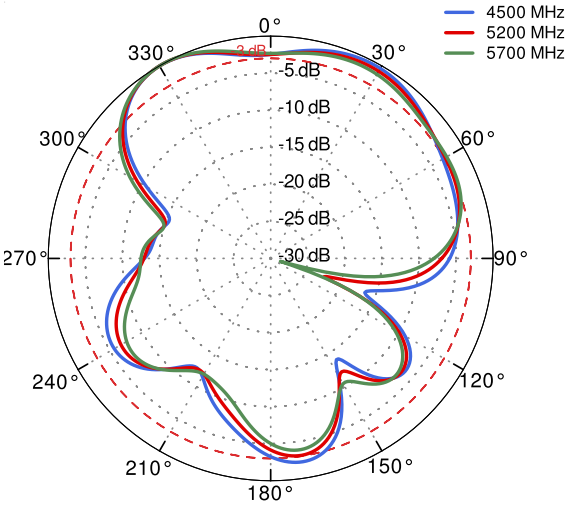


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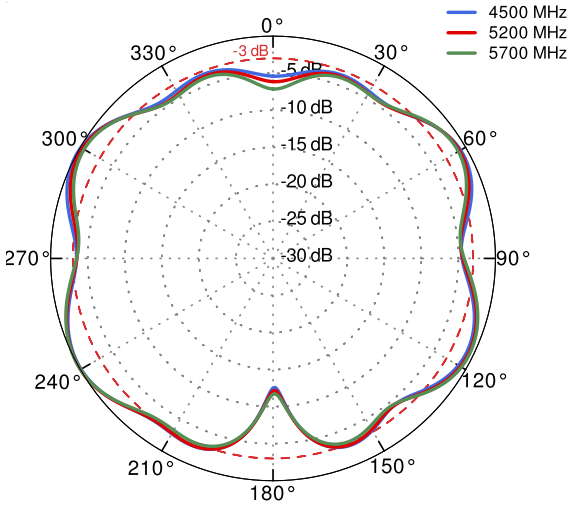


5G/LTE From 4500MHz to 5500MHz

ELEVATION



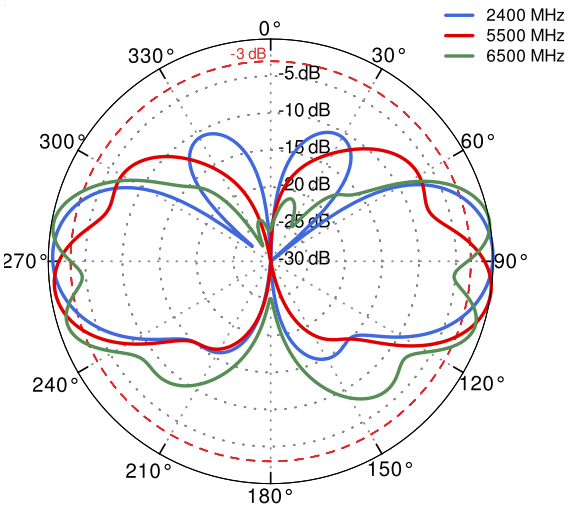
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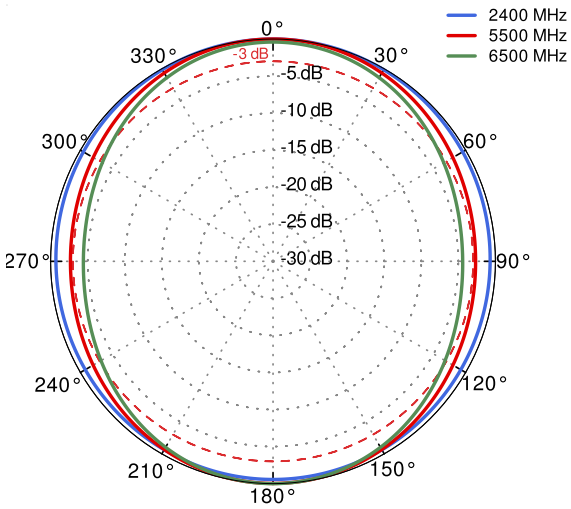
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Wi-Fi 2.4GHz and 5GHz and 6GHz

ELEVATION

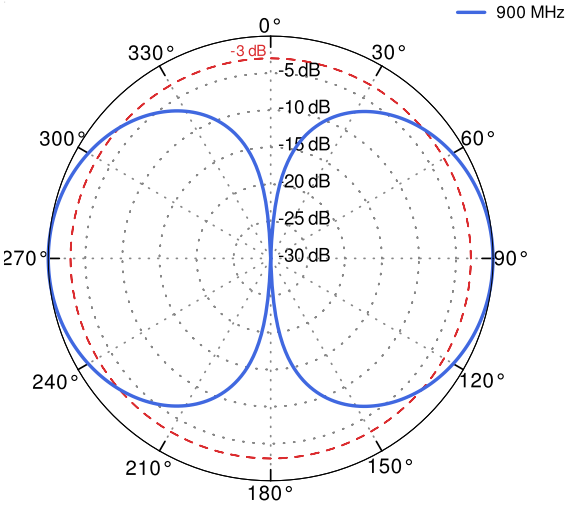


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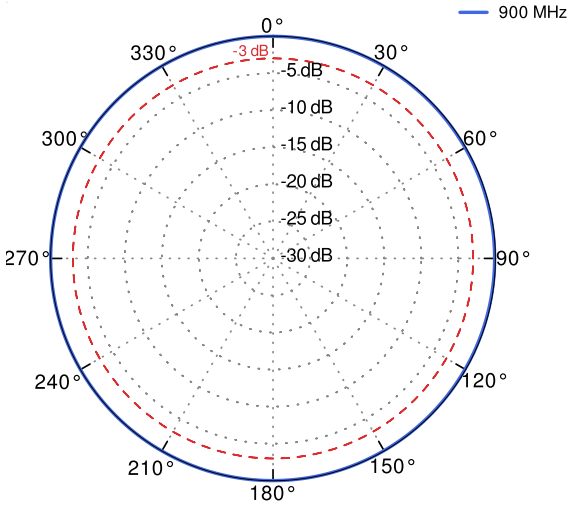


LoRa 840 to 940 MHz

ELEVATION

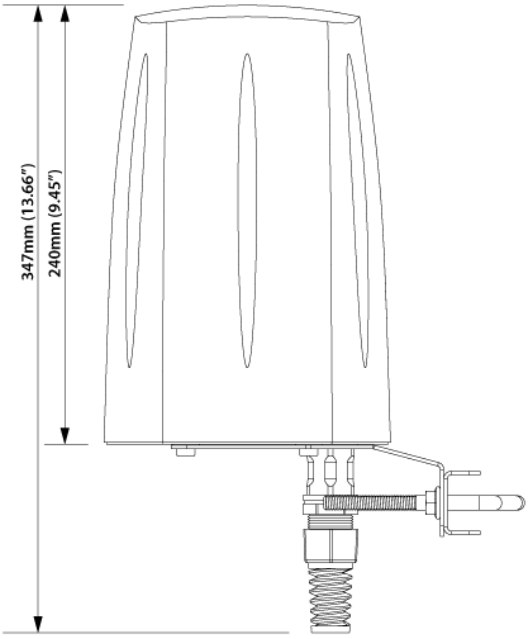


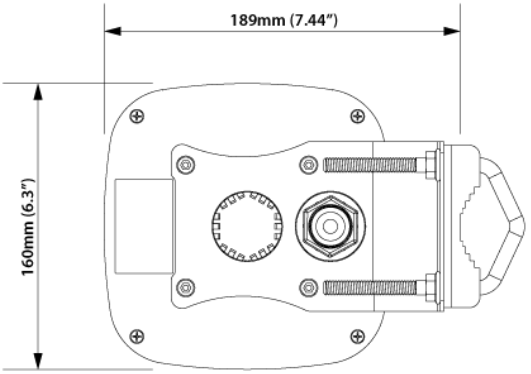
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DIMENSIONS





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