

QuMax Omni for Robustel R5020

INTEGRATED MULTI-BAND 5G/LTE OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ANTENNA + PLACE TO INSTALL ROBUSTEL R5020 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel R5020 router is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni 4*5G, 2*Wi-Fi and GPS antenna. If you use R5020 Lite with QuMax Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

Wi-Fi 6E support!

Note! This antenna comes in two different versions, depending on your router configuration. When you use R5020 supporting Power over Ethernet (PoE) please choose version "no PoE splitter". For R5020 without PoE support, please choose "PoE splitter" version. Compatible Robustel part numbers available in the specification below.

**5G****Wi-Fi 6E****GPS****600-6350MHz****7 dBi****OMNI DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



ANTENNA PERFECTLY MATCHED WITH THE ROBUSTEL R5020



ALL ANTENNAS AND ROBUSTEL ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



5G / LTE SPECIFICATION

FREQUENCY	0.6 - 1.4 GHz 1.5 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.35 GHz
MAX. GAIN	0.6 - 1.4 GHz : 2.6 dBi 1.5 - 3.0 GHz : 4.2 dBi 3.0 - 5.0 GHz : 4.4 dBi 5.0 - 6.35 GHz : 2.1 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 24, 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, 107, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, 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, n105, n106, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz: 6 dBi 5.0 - 6.0 GHz: 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	BS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	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

MOUNTING KIT

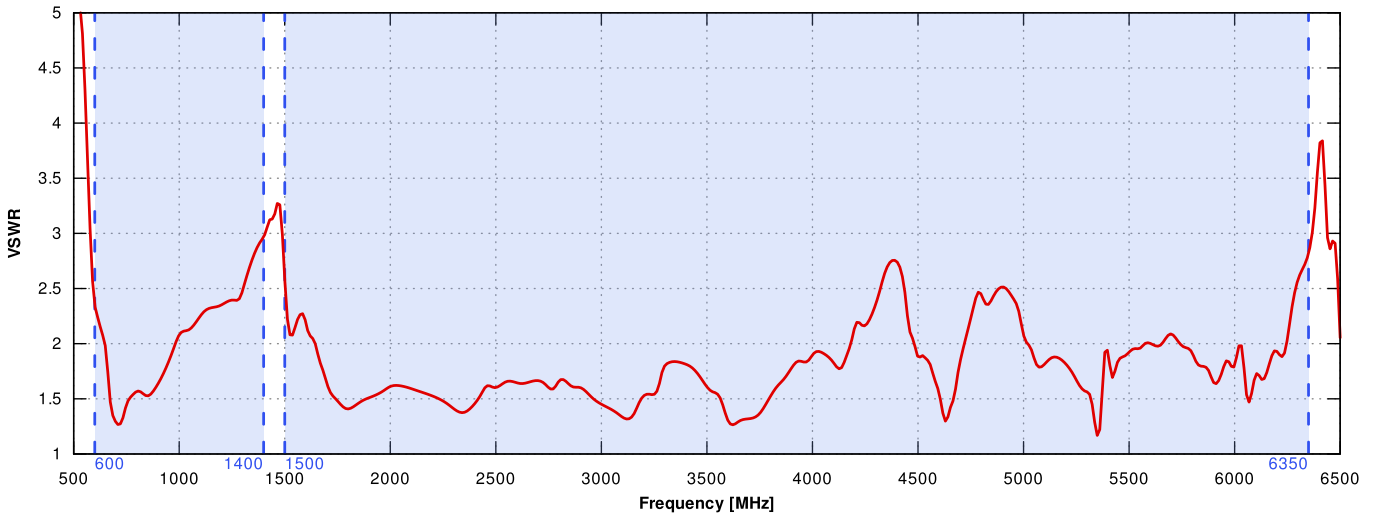
DIMENSIONS	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
REGULATION RANGE	+/- 30°
MAST DIAMETER RANGE	25 - 66mm 0.98-2.60 inch
MATERIAL	Polyamide with fiberglass + galvanized steel U-Bolts
WEIGHT	0.87kg
MOUNTING PLACE	Wall or mast or ceiling

COMPATIBLE PART NUMBERS

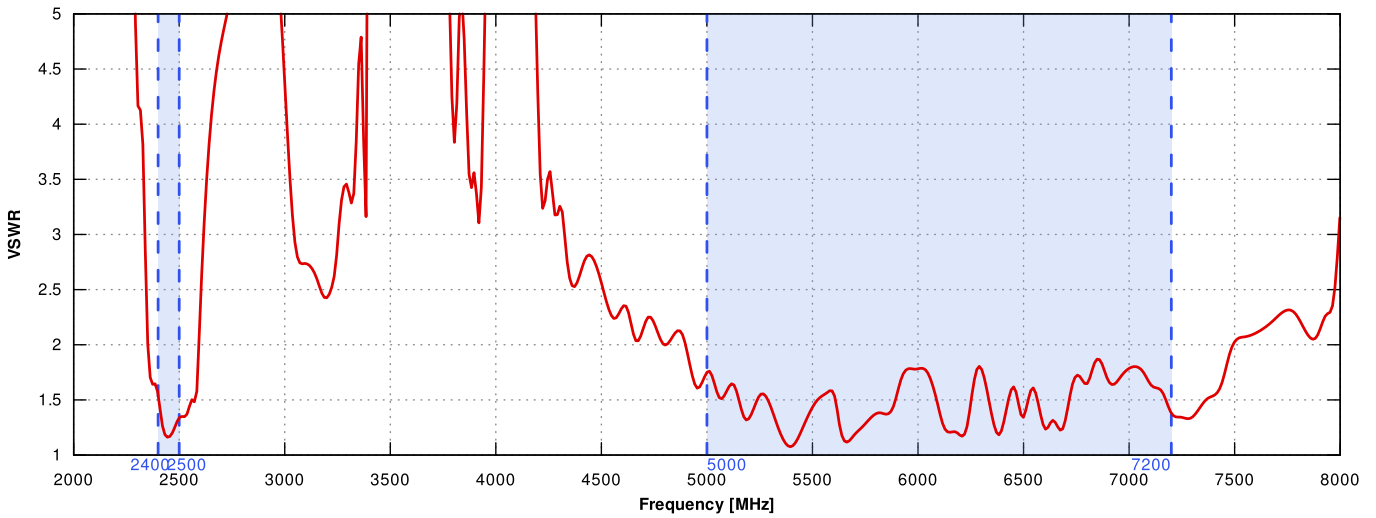
NO POE SPLITTER	R5020-5G-A09GL-B B064802
POE SPLITTER	R5020-5G-A09GL-A B064803

PLOTS

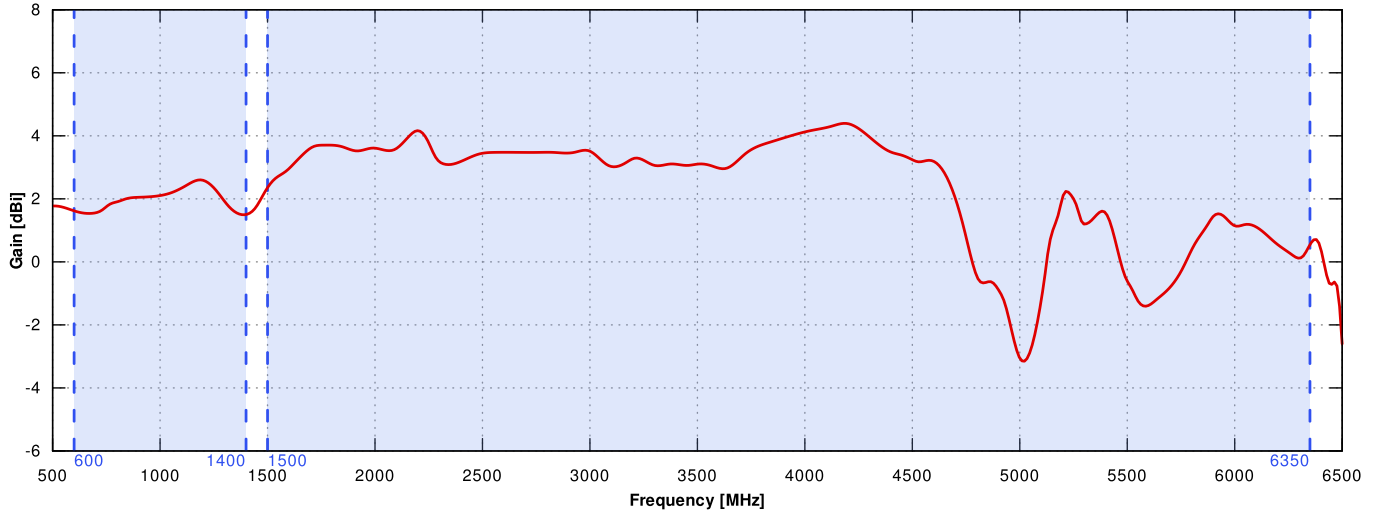
5G/LTE VSWR



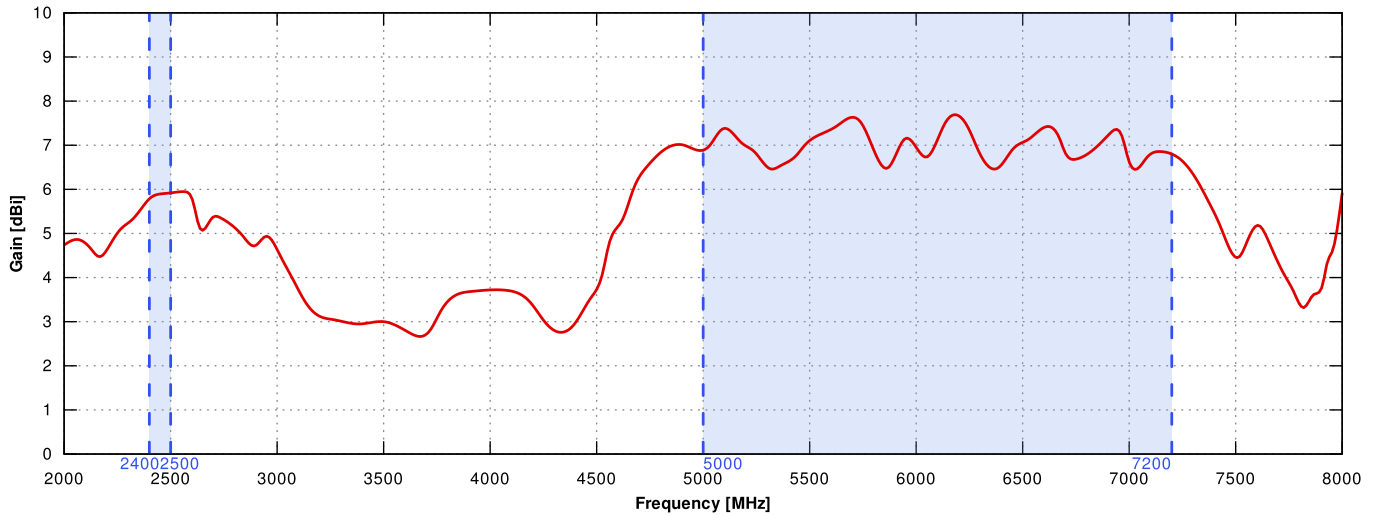
WI-FI VSWR



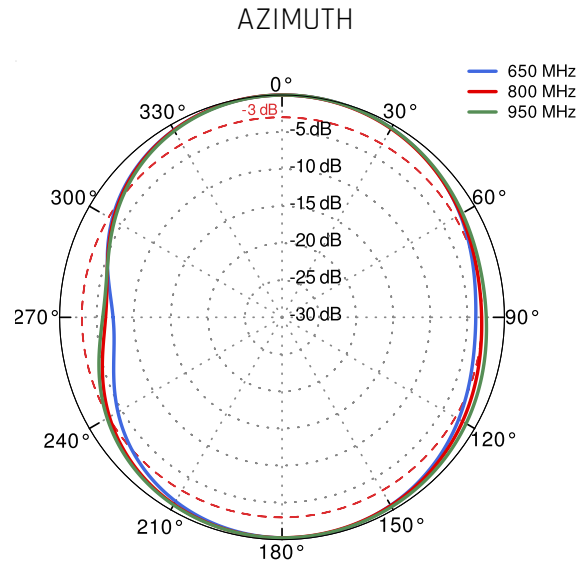
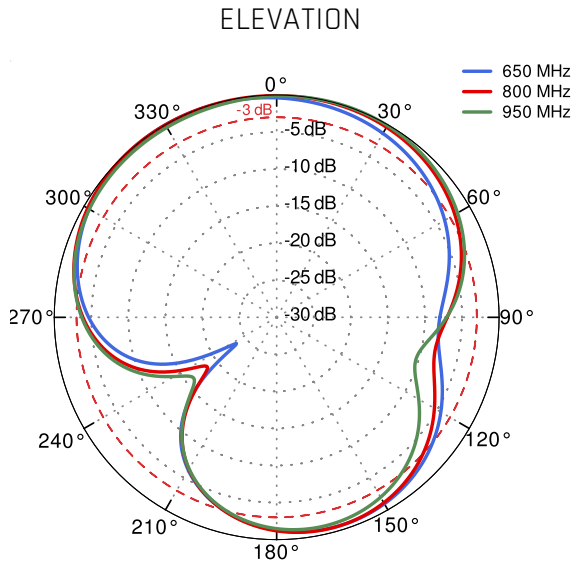
5G/LTE Gain



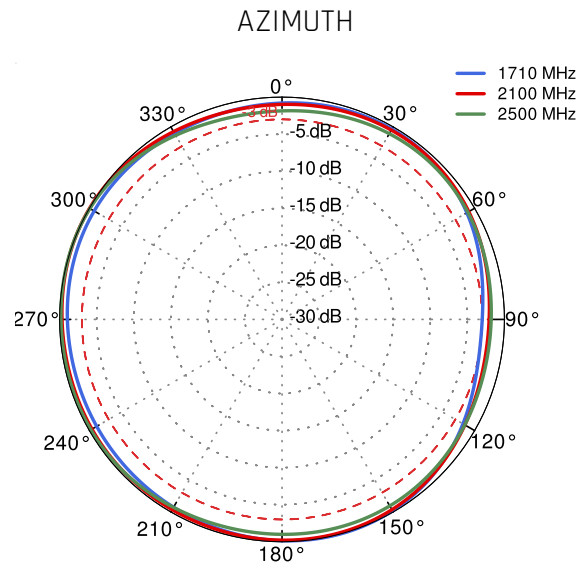
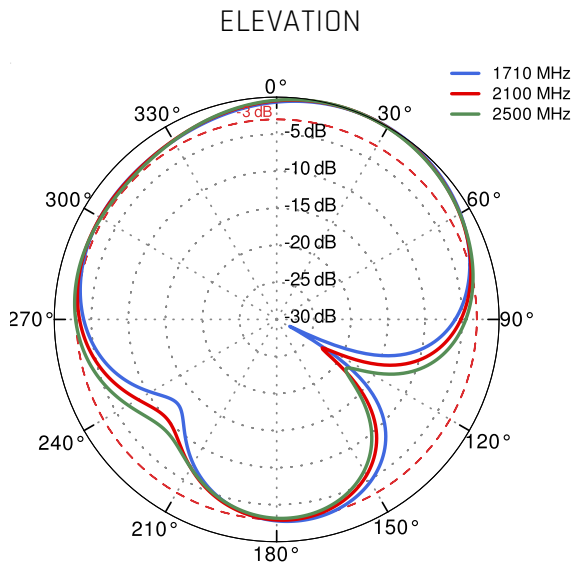
Wi-Fi Gain



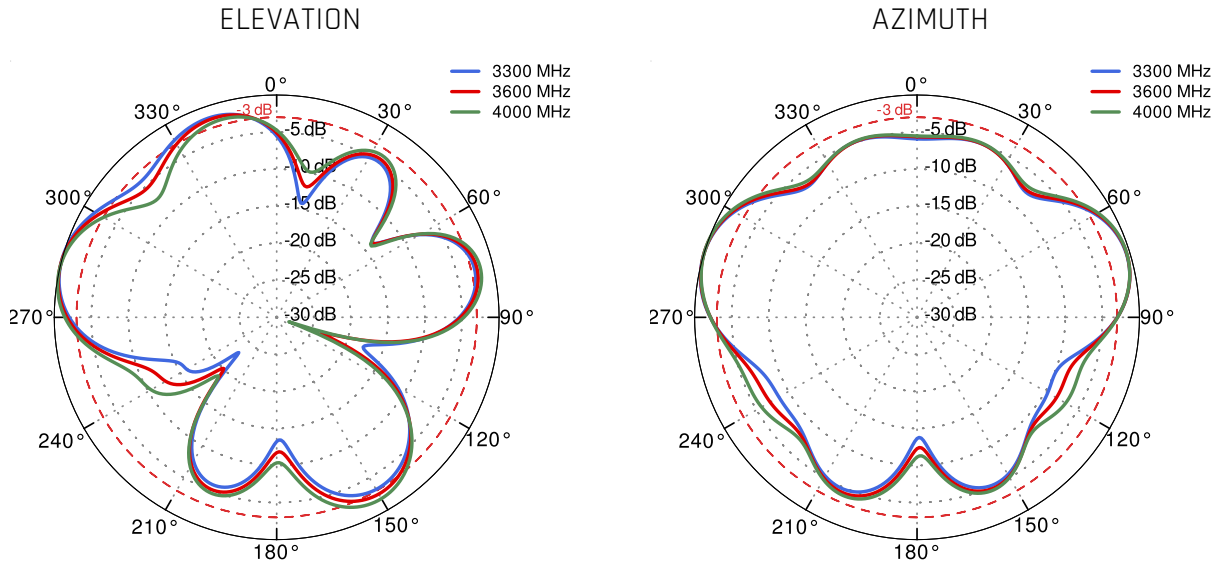
5G/LTE from 650MHz to 950MHz



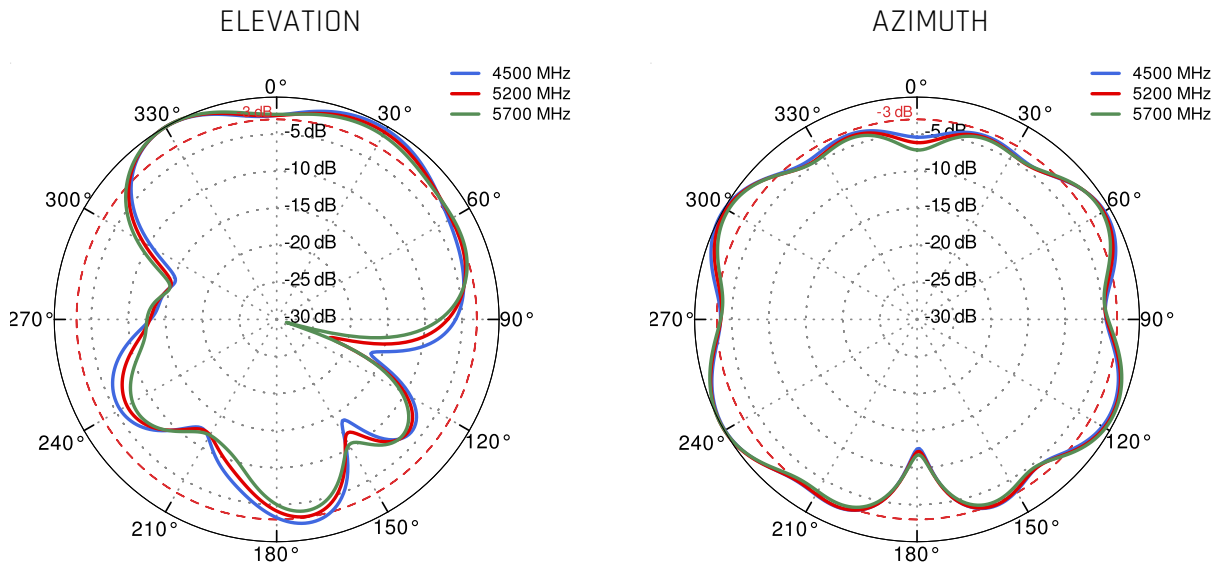
5G/LTE from 1.71GHz to 2.5GHz



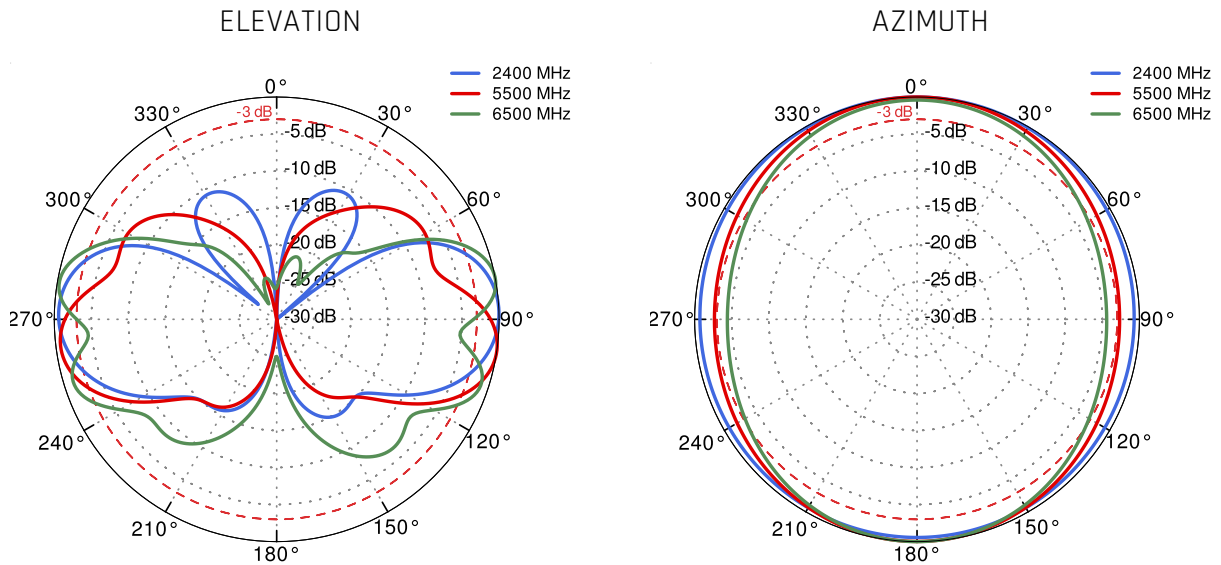
5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



Wi-Fi 2.4GHz and 5GHz and 6GHz



DIMENSIONS

