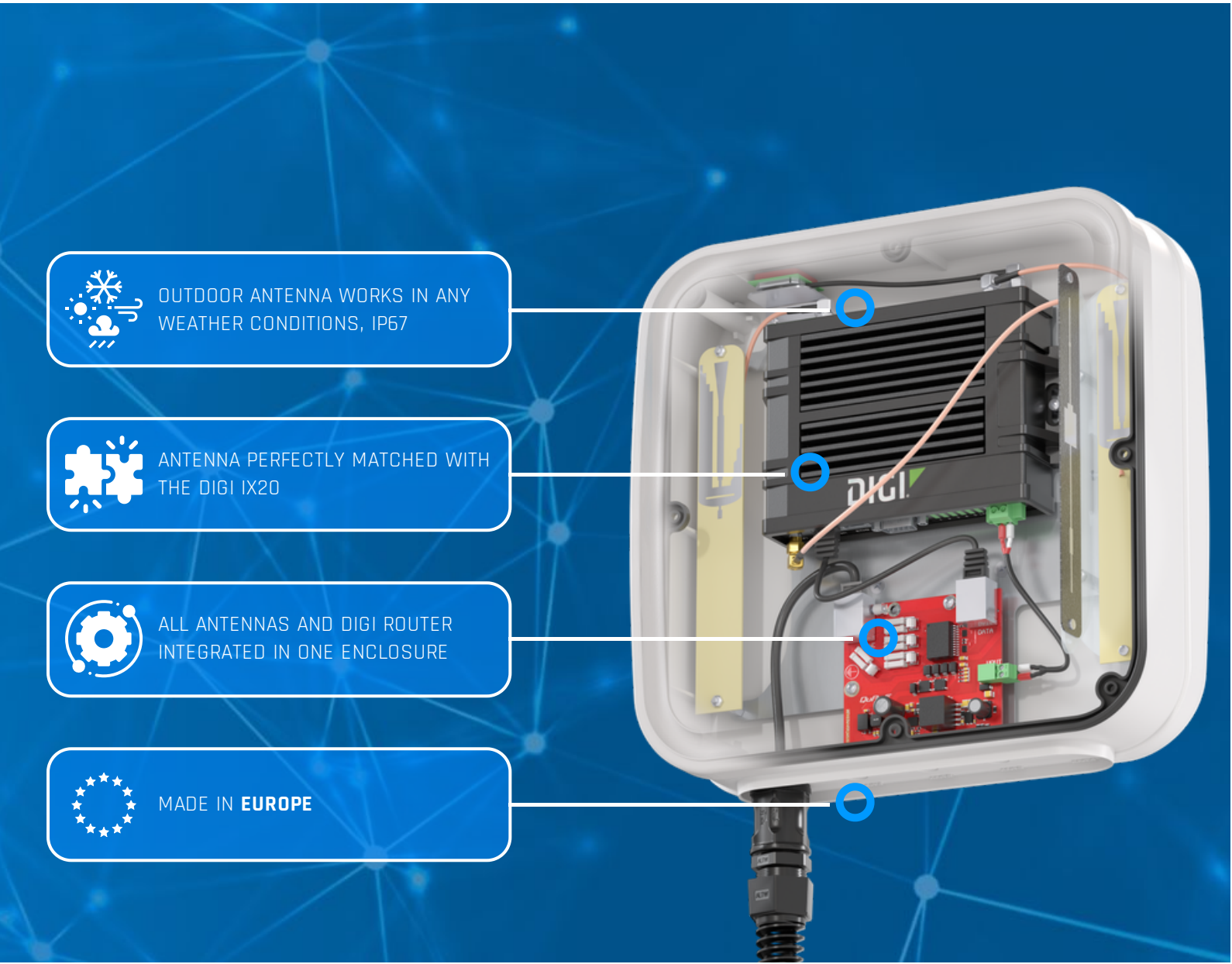
QuMax Omni for DIGI IX20 AT

INTEGRATED MULTI-BAND 5G OMNI ANTENNA + WIFI OMNI ANTENNA + GPS ANTENNA + ACTIVE 802.3AT POE SPLITTER + PLACE TO INSTALL DIGI IX20 (ALL-IN-ONE)

QuMax Omni for DIGI IX20 AT 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 2*5G, 1*Wi-Fi and GPS antenna. If you use IX20 with QuMax Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.
The set contains a 802.3at 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. Using QuWireless splitter provides 3KA surge and lightning protection.

5G | 2x2 MIMO | 600-6350MHz | 4 dBi | Wi Fi 6E | GPS | OMNI DIRECTIONAL | IP 67 | -40° TO +80°



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

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WI-FI 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° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	ASA, 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

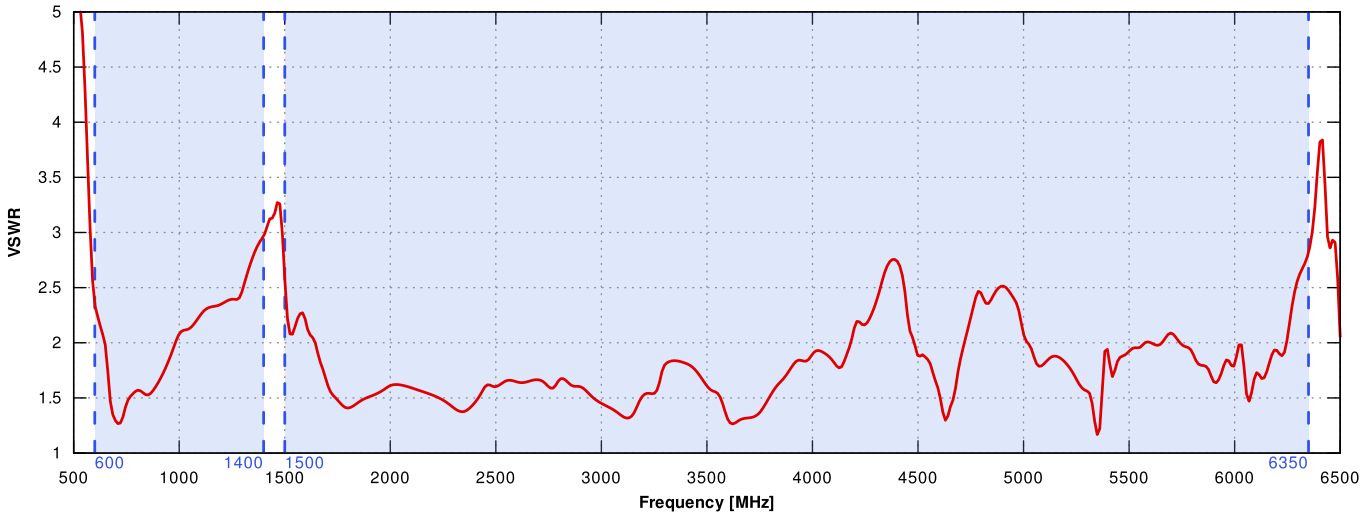
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MOUNTING KIT

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

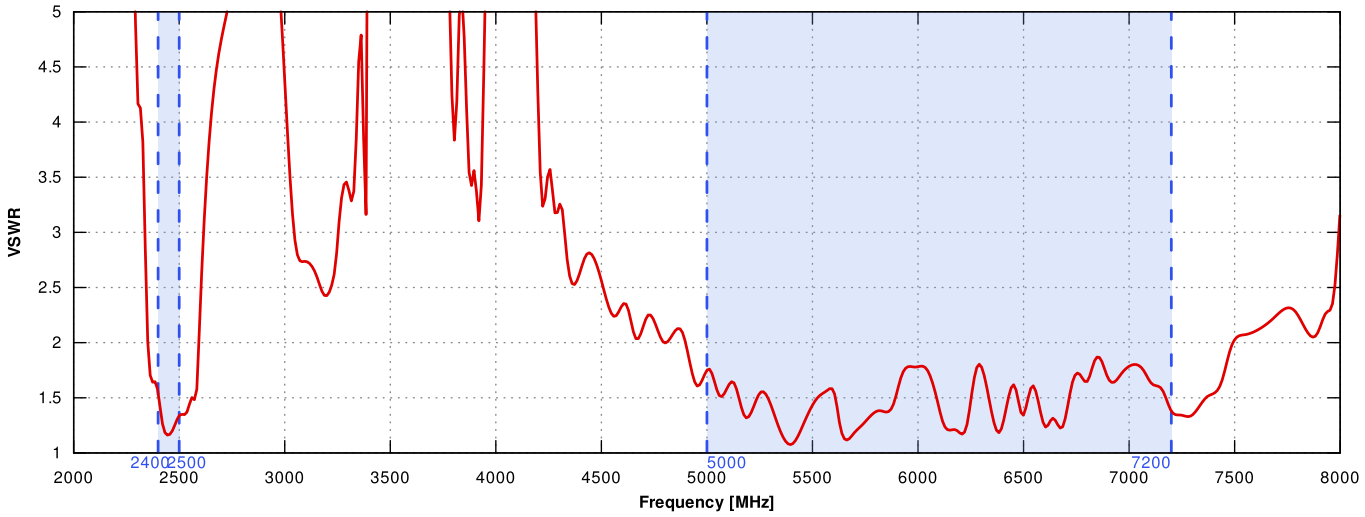
PLOTS

5G/LTE VSWR

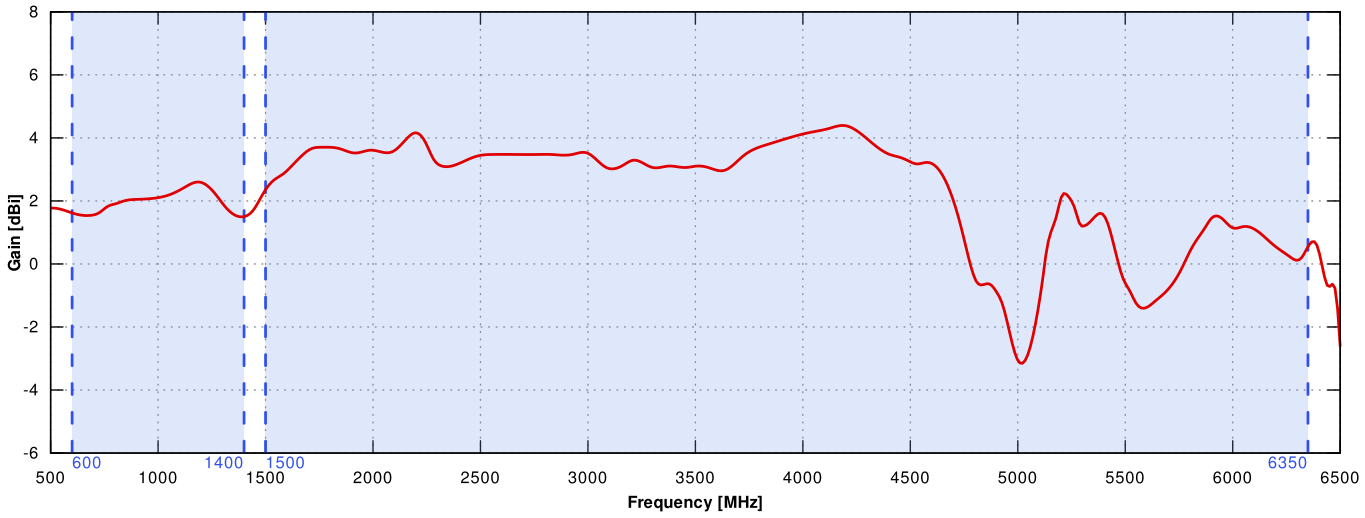


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WI-FI VSWR

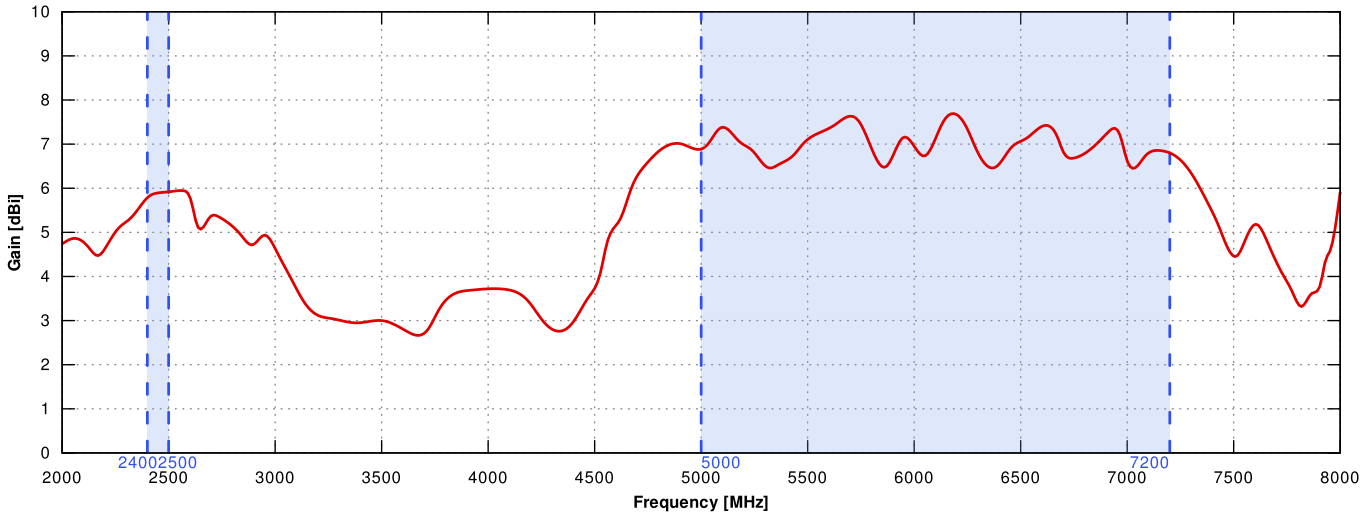


5G/LTE Gain



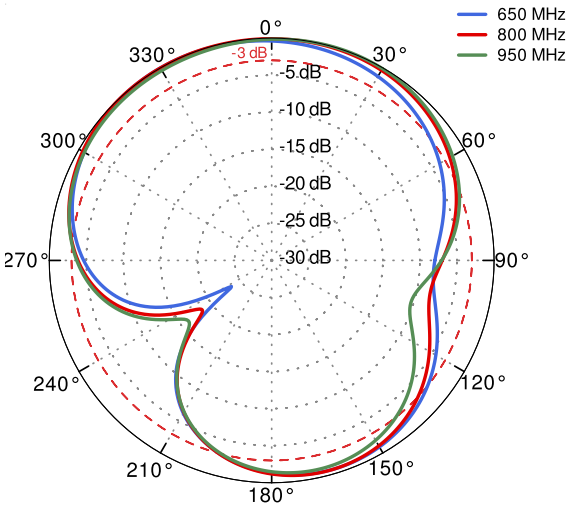
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Wi-Fi Gain

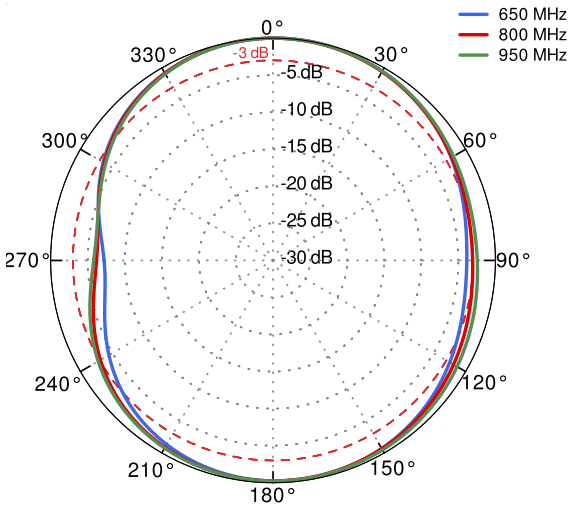


5G/LTE from 650MHz to 950MHz

ELEVATION



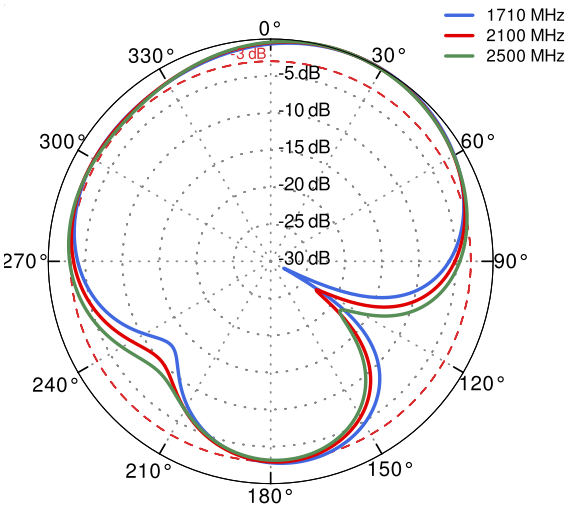
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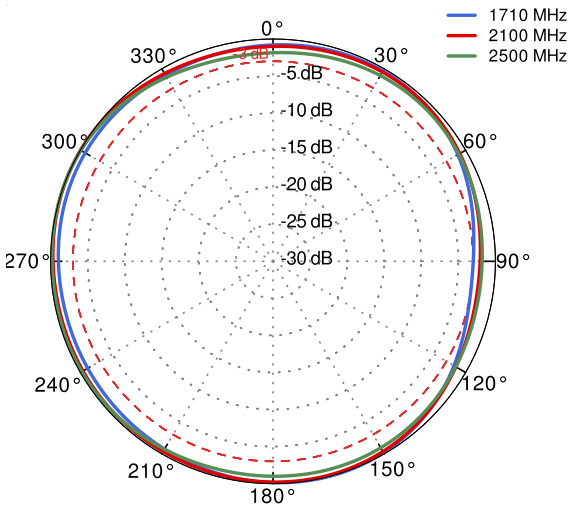
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5G/LTE from 1.71GHz to 2.5GHz

ELEVATION

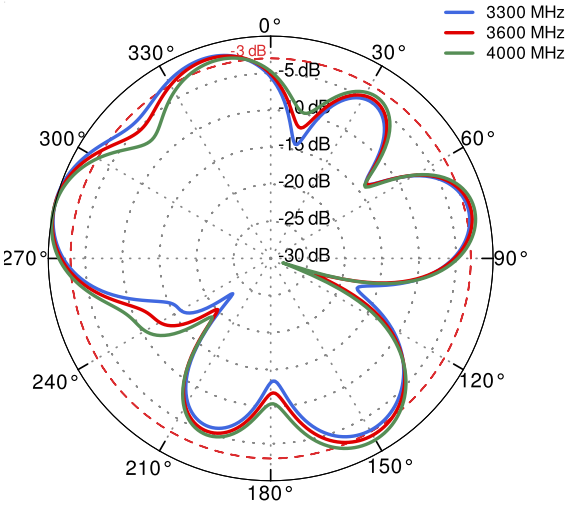


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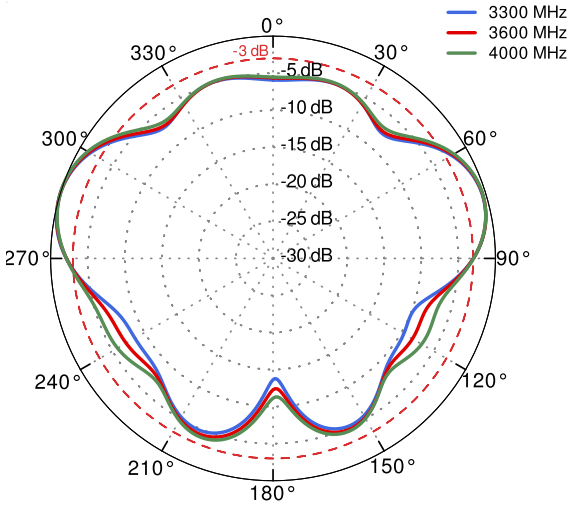


5G/LTE from 3.3GHz to 4.0GHz

ELEVATION



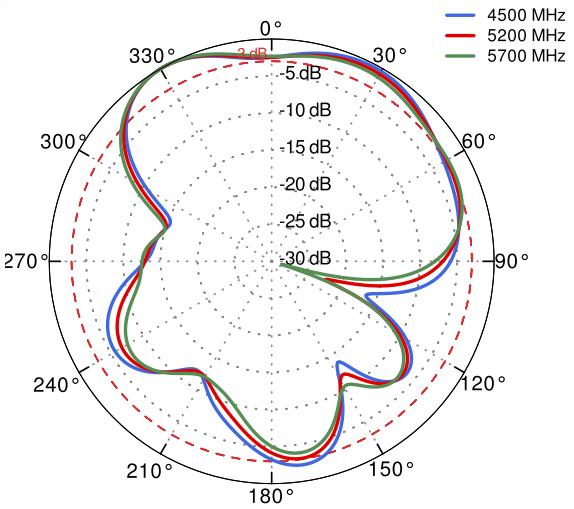
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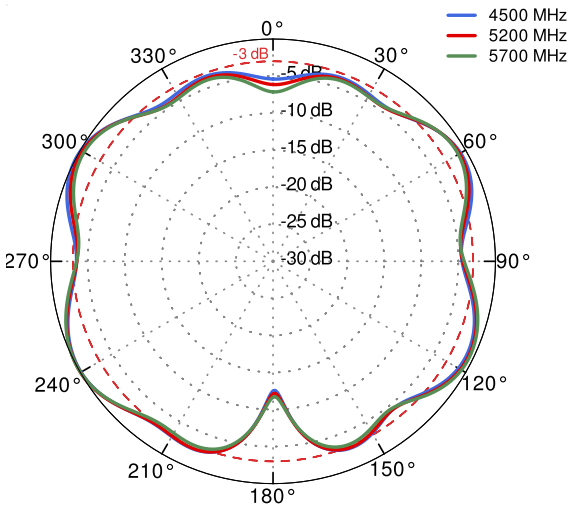
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5G/LTE from 4.5GHz to 5.5GHz

ELEVATION

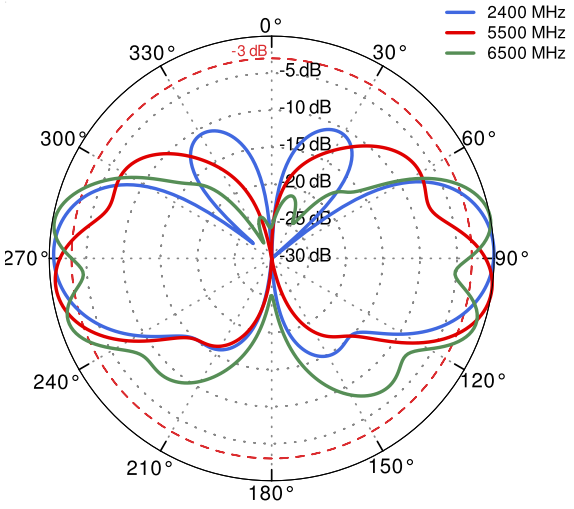


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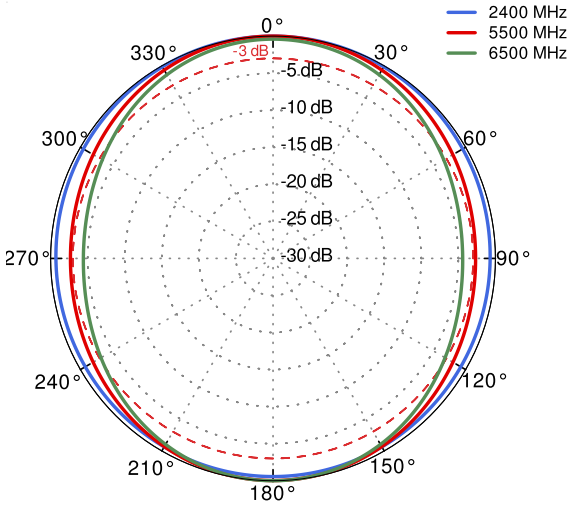


Wi-Fi 2.4GHz and 5GHz and 6GHz

ELEVATION

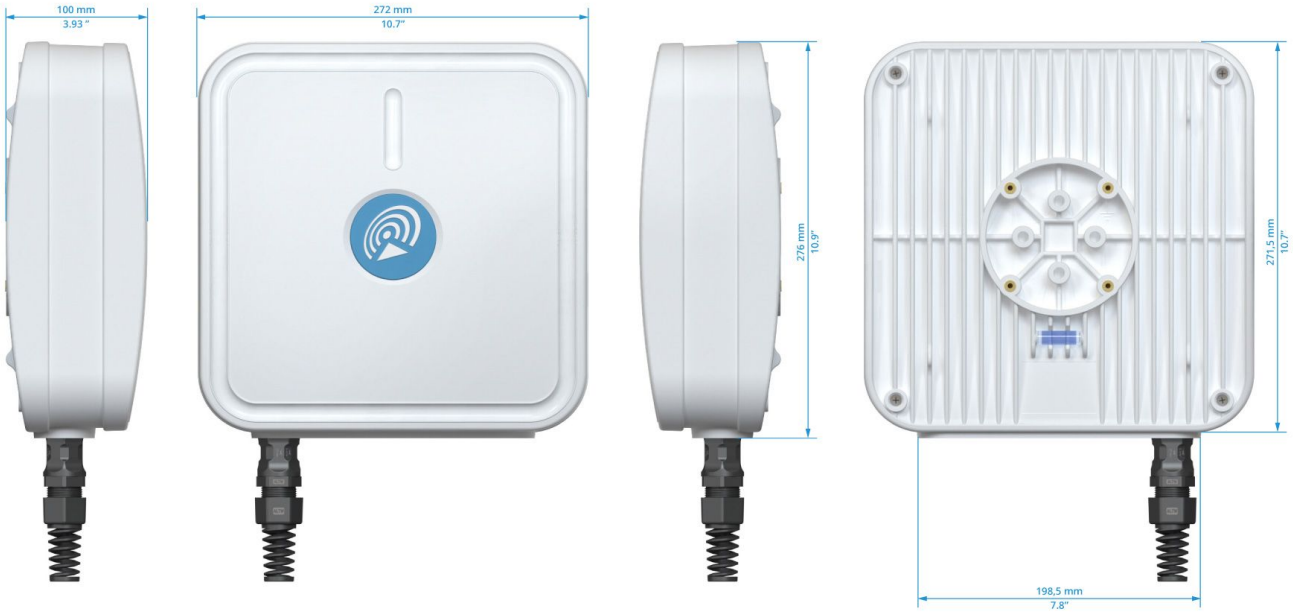


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DIMENSIONS



WWW.QUWIRELESS.COM

Sales email: sales@quwireless.com **Tel:** +48 513 900 416

Support email: support@quwireless.com **Website:** www.quwireless.com

Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

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