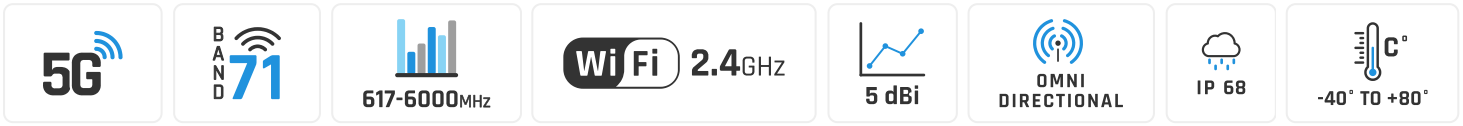
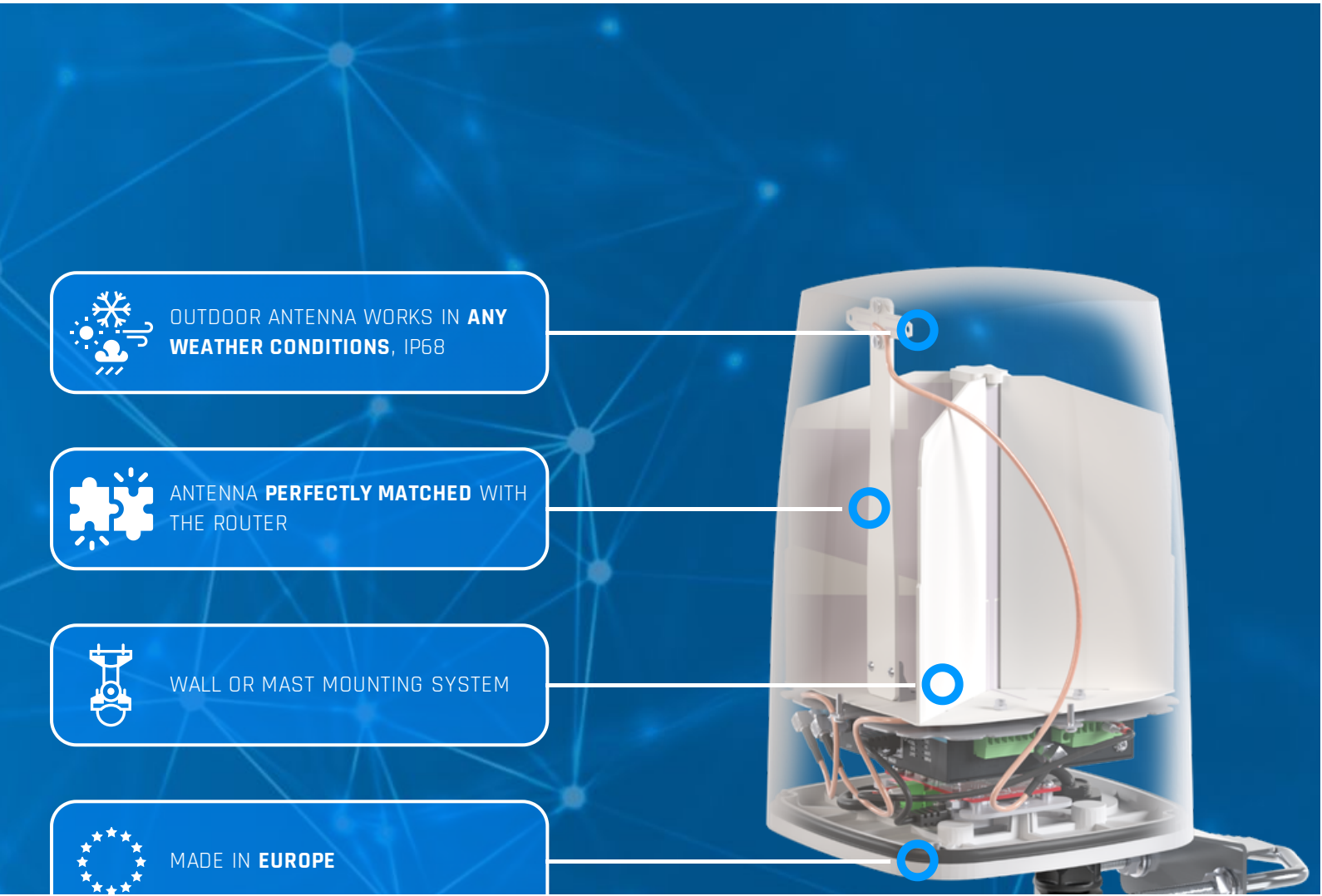
QuSpot for Advantech ICR-20xx & ICR-24xx

Integrated multi-band LTE omni antenna + WiFi omni antenna + Passive PoE Splitter + place to install Advantech ICR-20xx or ICR-24xx (All-in-one)

QuSpot omnidirectional LTE antenna for Advantech **ICR-20xx & ICR-24xx routers** is a perfect outdoor device for mobile and fixed installations e.g. CCTV, hotspots, industrial areas, campervans, ships etc.. In addition to having omnidirectional, multi-band LTE antennas, **it has also embedded omnidirectional Wi-Fi antenna**. If you use ICR-20xx or ICR-24xx with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas 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.





LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.71 - 2.7 GHz 3.3 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 6.0 GHz : 4.5dBi
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, 46, 47, 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, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n79, 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

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz
GAIN	3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

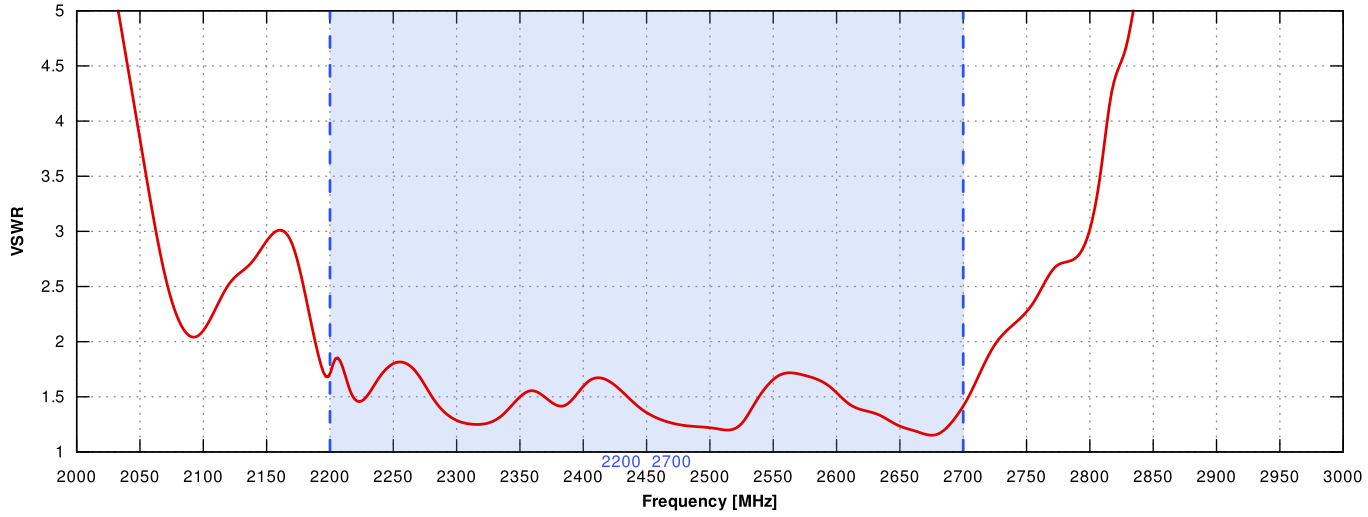
MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
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 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm
MAST DIAMETER	25-66 mm 0.98-2.60 inch

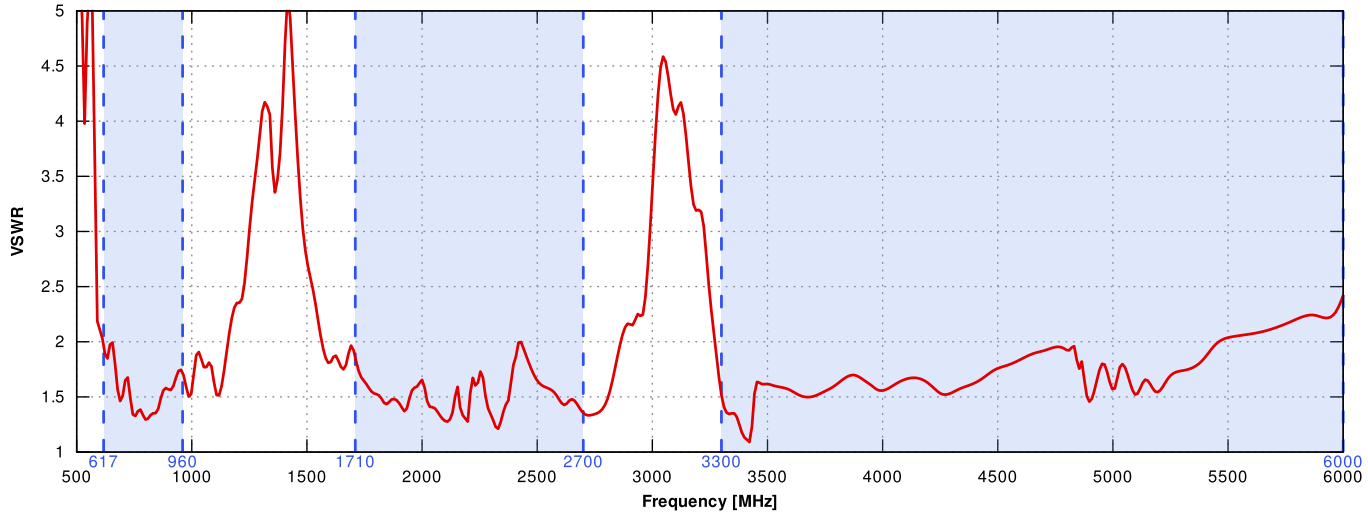
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

PLOTS

VSWR for Wi-Fi antenna

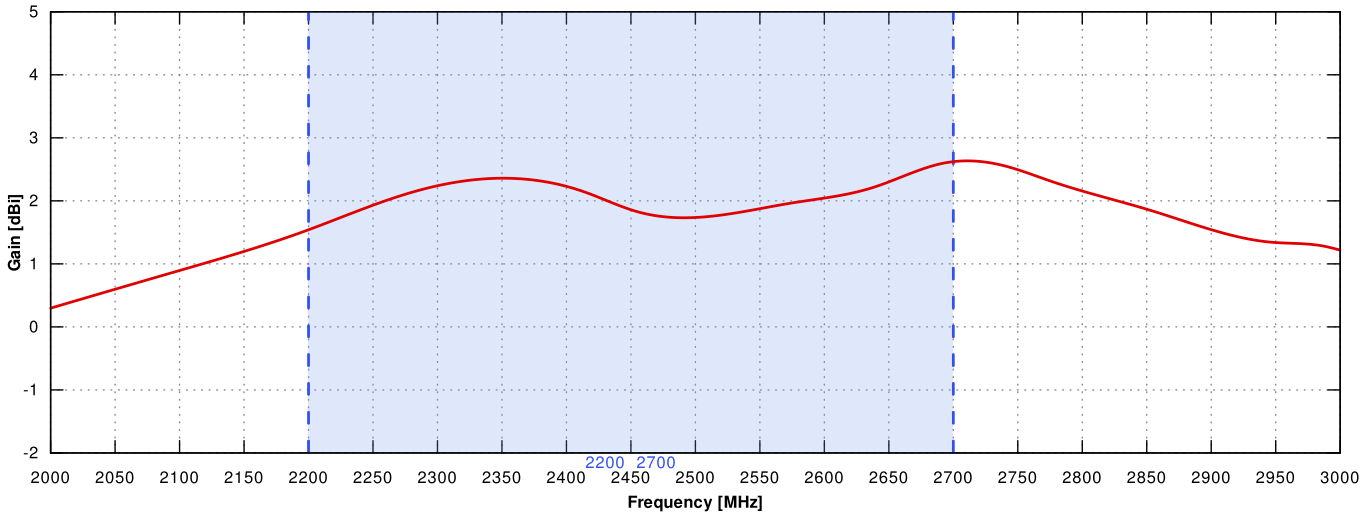


VSWR for LTE antenna

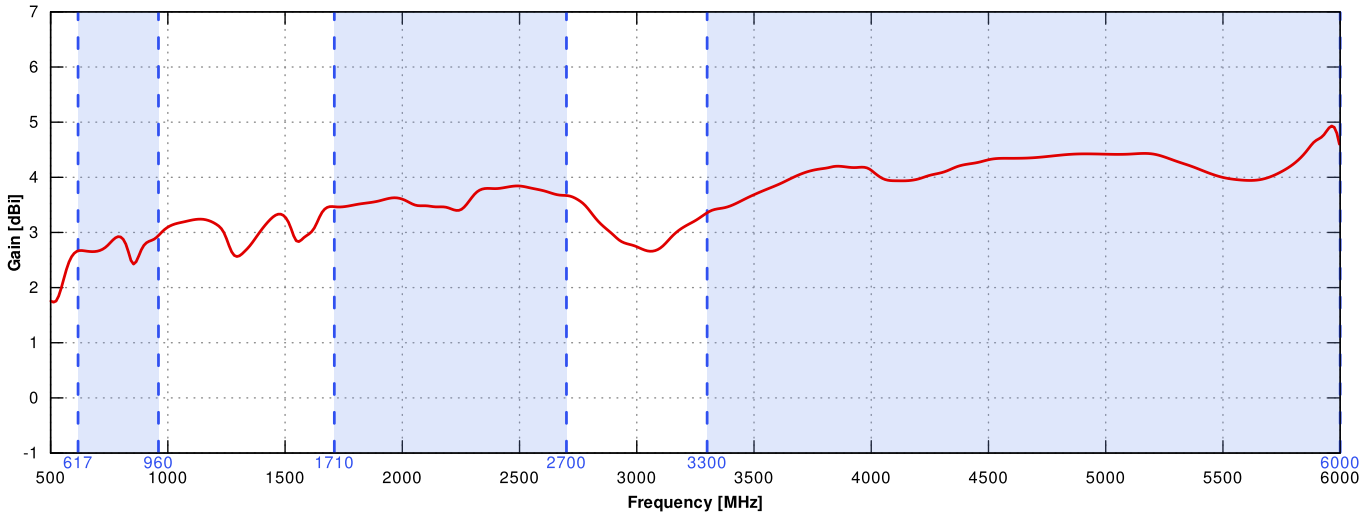


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

Gain for Wi-Fi antenna



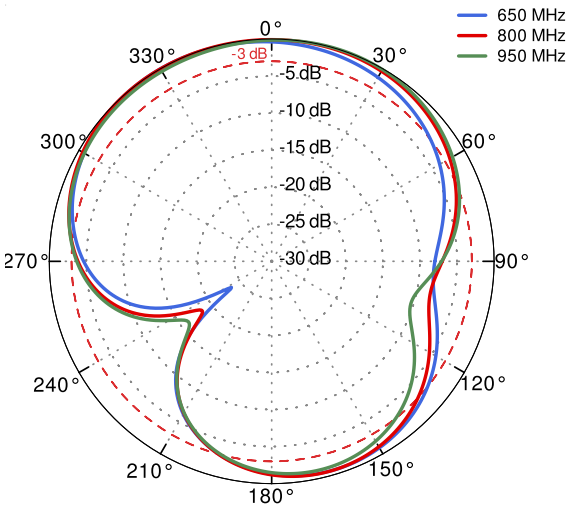
Gain for LTE antenna



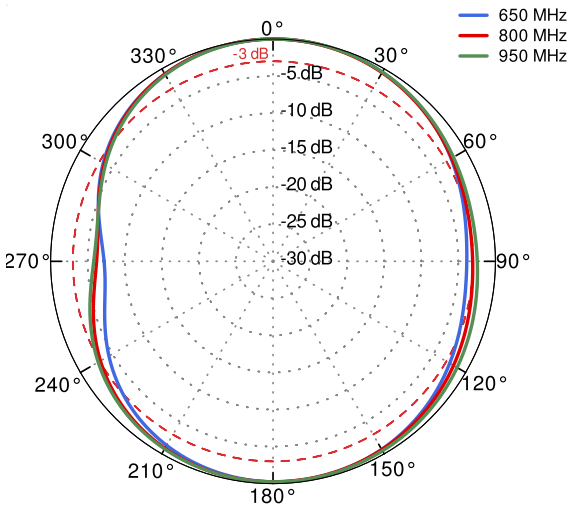
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

LTE from 650MHz to 950MHz

ELEVATION

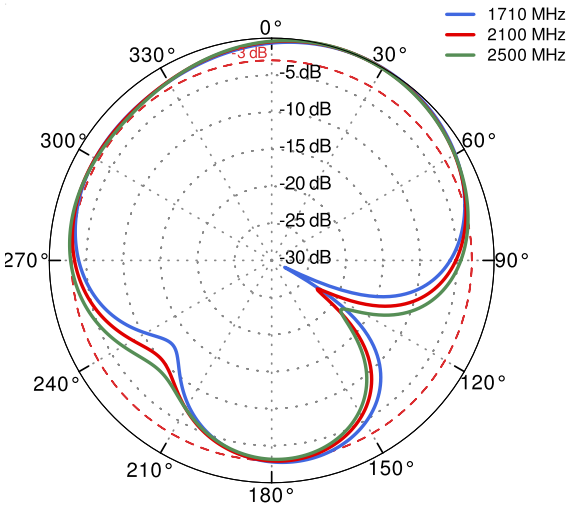


AZIMUTH

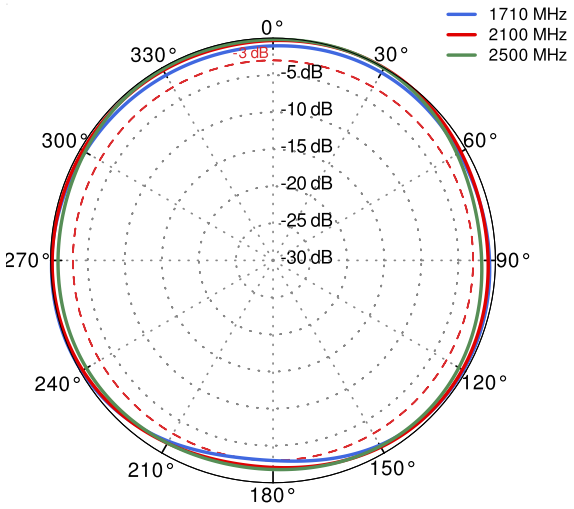


LTE from 1.71GHz to 2.5GHz

ELEVATION



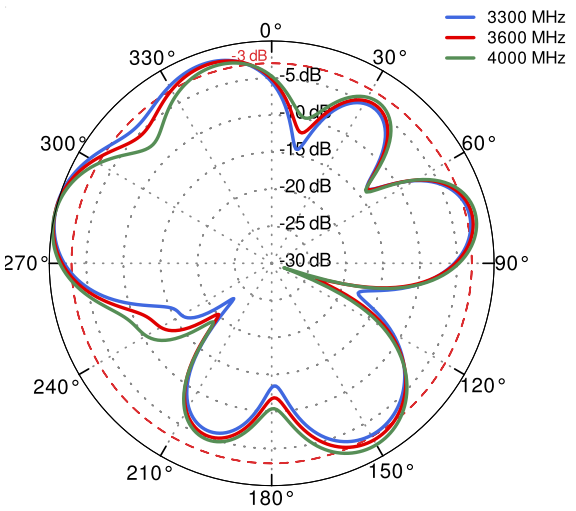
AZIMUTH



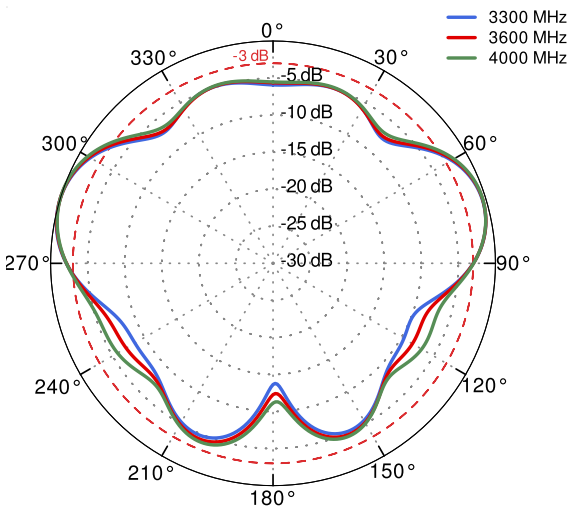
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

LTE from 3.3GHz to 4.0GHz

ELEVATION

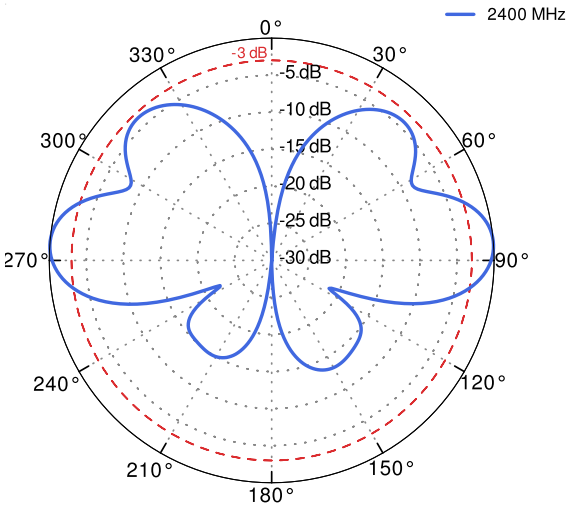


AZIMUTH

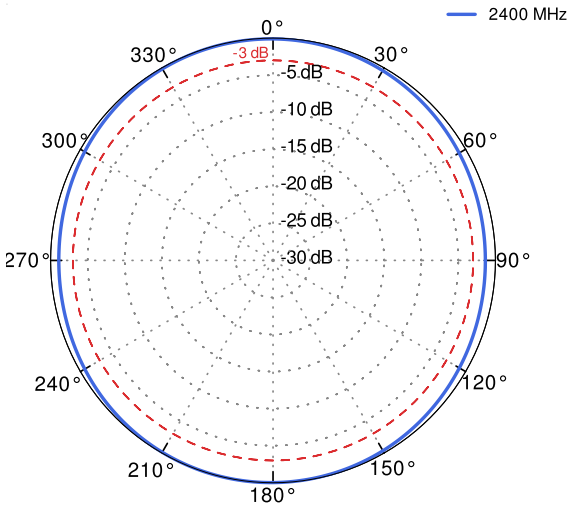


Wi-Fi 2.4GHz and 5GHz

ELEVATION

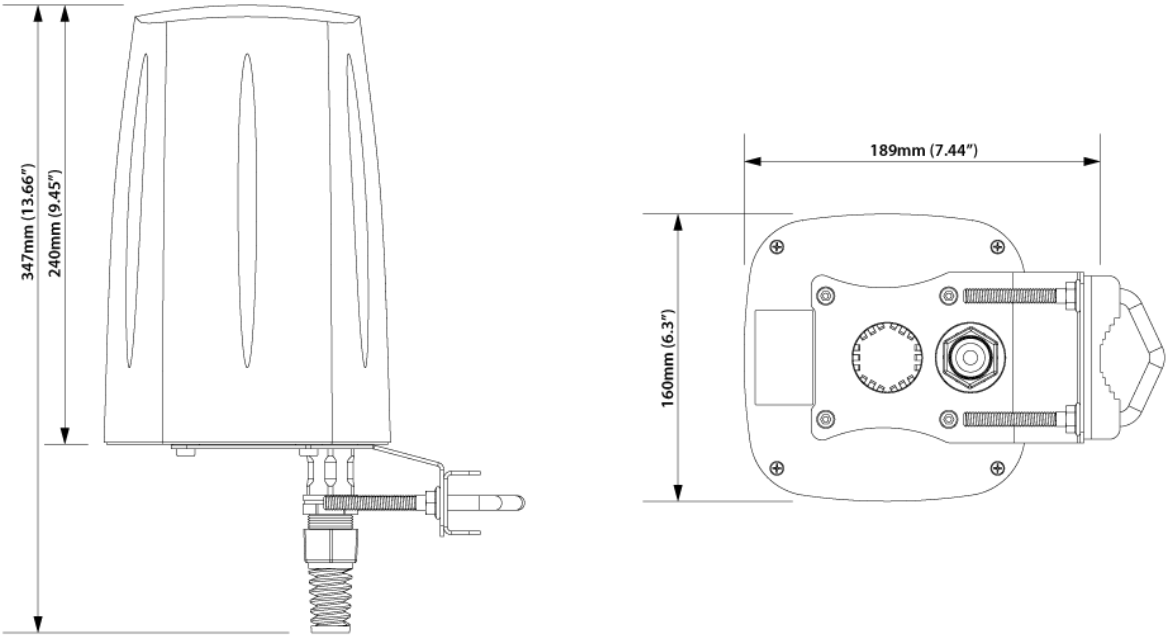


AZIMUTH



Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

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

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.