# QuCube for Ericsson S400

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI ANTENNA + PLACE TO INSTALL ERICSSON S400 (ALL-IN-ONE)

**QuCube for Ericsson S400** is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for Ericsson S400 router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments.
This all-in-one unit integrates high-gain omnidirectional **5G and Wi-Fi antennas** with Ericsson routers into a compact, rugged **IP68-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions.
Engineered for outdoor and mobile applications, **QuCube** is ideal for use in transportation systems, for underground connectivity or urban and public installations. It ensures consistent performance wherever dependable connectivity is essential.

5G | 600-6350MHz | 4 dBi | Wi Fi 6E | 2.4GHz + 5GHz 6GHz + 7GHz | OMNI DIRECTIONAL | IP 68 | -40° TO +80°

OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68

ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER

MADE IN **EUROPE**



# 5G/LTE SPECIFICATION

| | |
|---|---|
| FREQUENCY | 0.58 - 2.0 GHz<br>2.0 - 3.5 GHz<br>3.5 - 5.0 GHz<br>5.0 - 6.35 GHz |
| MAX. GAIN | 0.58 - 2.0 GHz : 2 dBi<br>2.0 - 3.5 GHz : 3.2 dBi<br>3.5 - 5.0 GHz : 3.1 dBi<br>5.0 - 6.35 GHz : 3.8 dBi |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 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, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256 |
| VSWR | <2.50, max <3.00 |
| 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 SPECIFICATION

| | |
|---|---|
| FREQUENCY | 2.4 - 2.5 GHz<br>5.0 - 7.2 GHz |
| MAX. GAIN | 2.4 - 2.5 GHz: 2dBi<br>5.0 - 7.2 GHz: 5dBi |
| VSWR | < 2.50 |
| BEAMWIDTH | 360°/25° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |
| MAX INPUT POWER | 50W |
| DC GROUND | Yes |

# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIAL | ASA |
| CONNECTOR | QuRJ45 |
| OUTER DIMENSIONS | 160 x 160 x 155 mm<br>6.3 x 6.3 x 6.10 inch |
| WEIGHT | 1.5 kg |
| OPERATING TEMPERATURE | -40°C to 80°C<br>-40°F to 176°F |
| INGRESS PROTECTION | IP67 and IP68 |

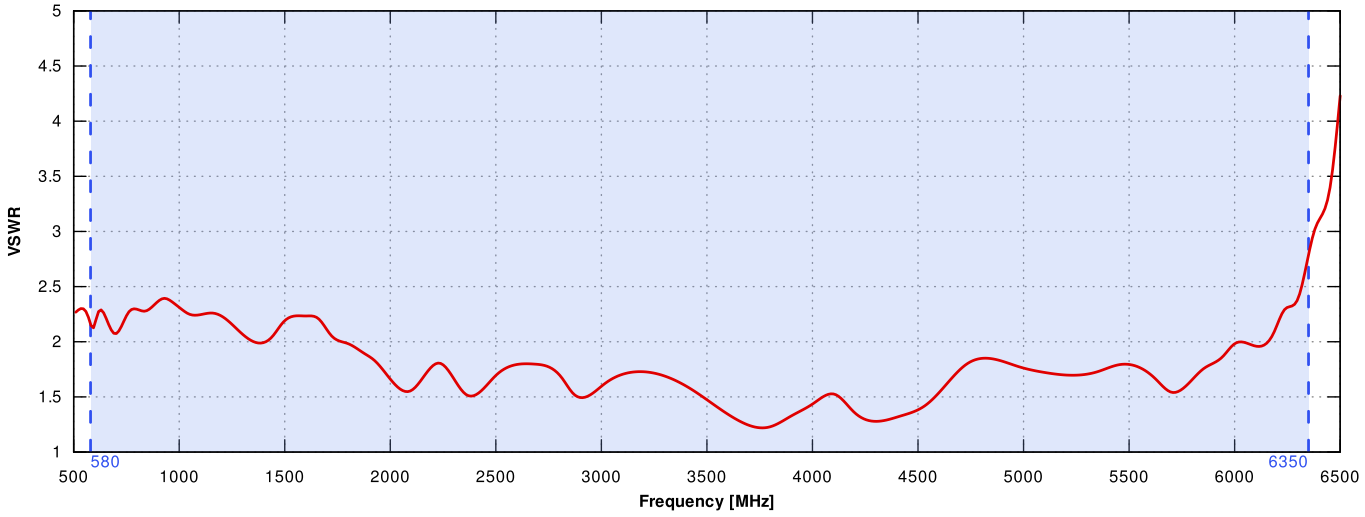

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

# MOUNTING KIT

| | |
|---|---|
| MATERIAL | Galvanized steel |
| WEIGHT | 0.4kg |
| MOUNTING PLACE | Wall or mast |
| MAST DIAMETER | 25-66 mm<br>0.98-2.60 inch |

# PLOTS

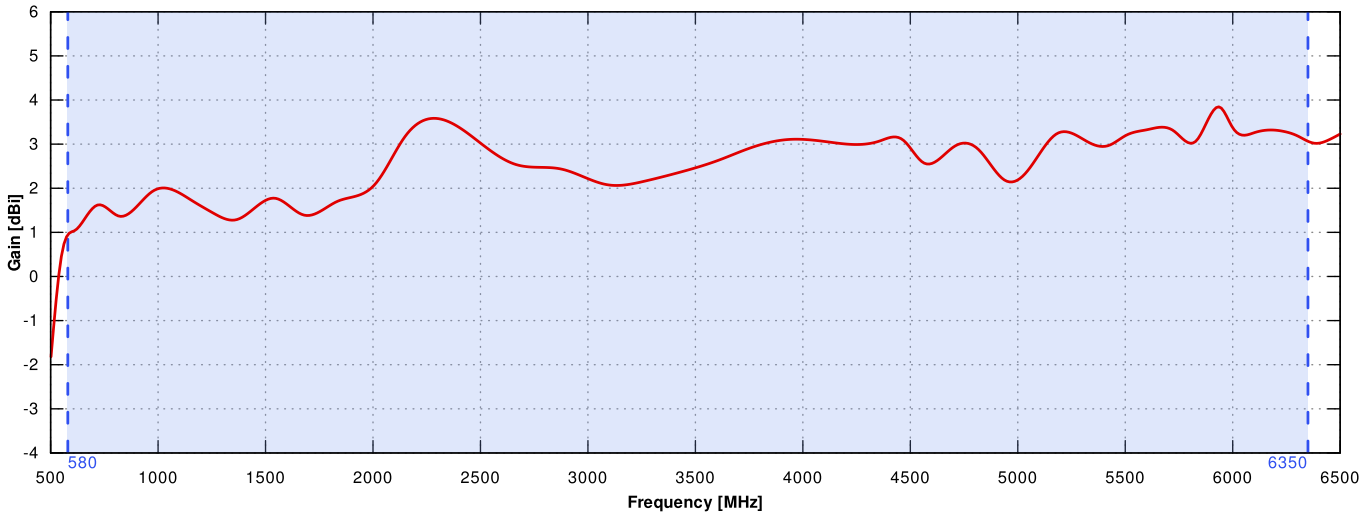
## 5G/LTE VSWR



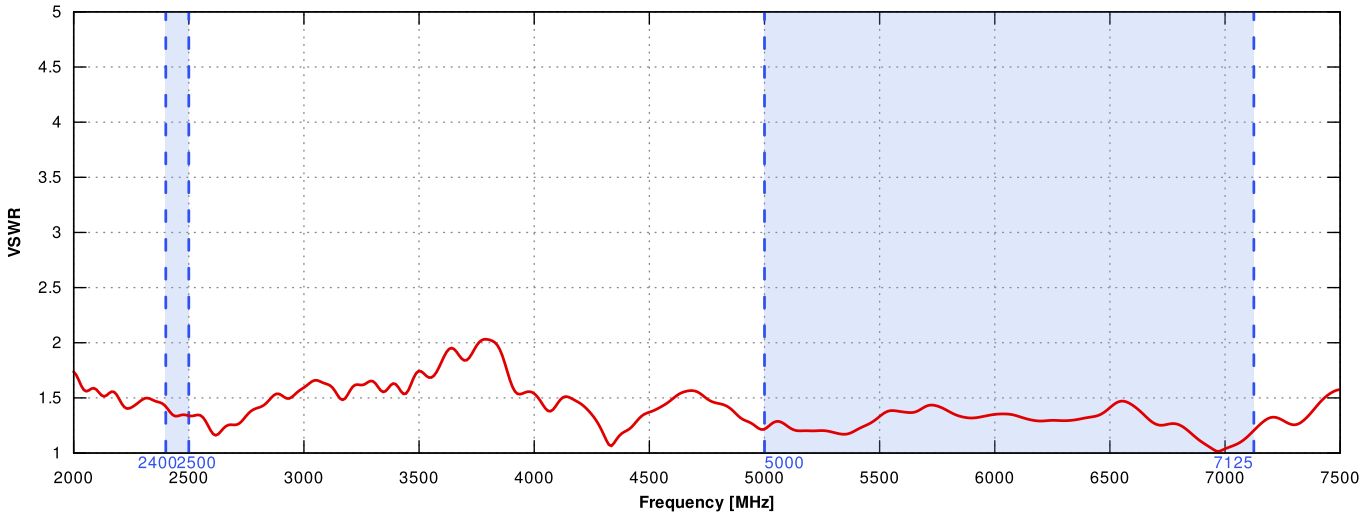


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## 5G/LTE GAIN



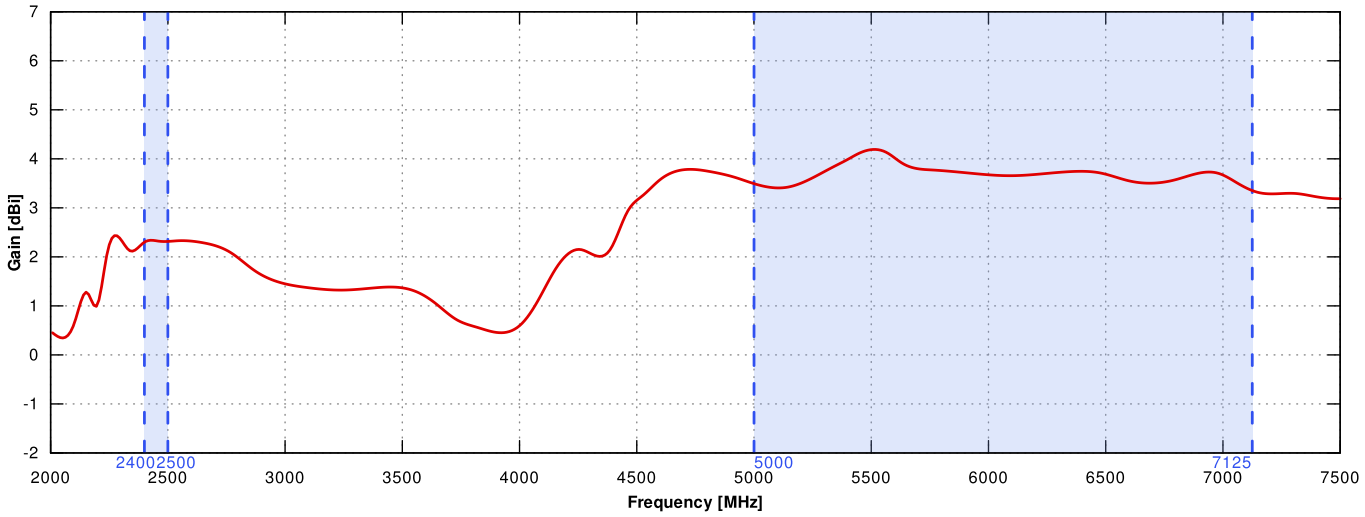

## Wi-Fi - V VSWR





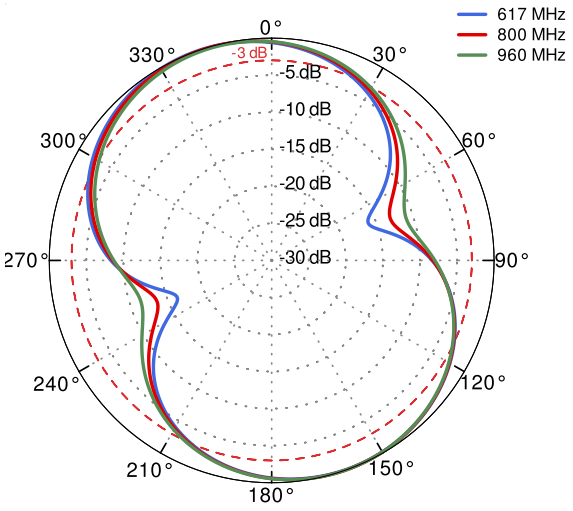

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## Wi-Fi - V Gain

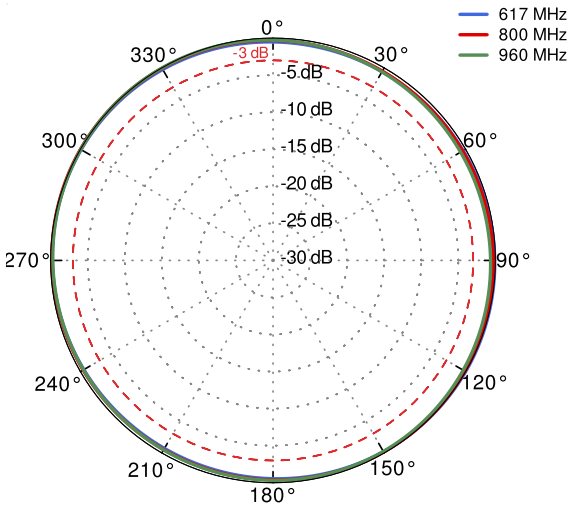



## 5G/LTE from 617MHz to 960MHz

ELEVATION




AZIMUTH

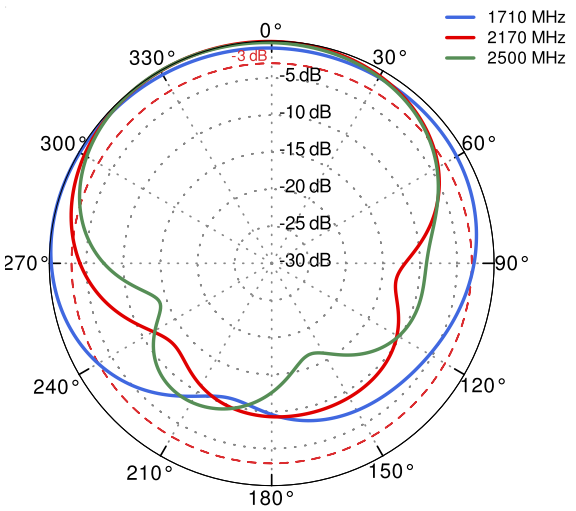




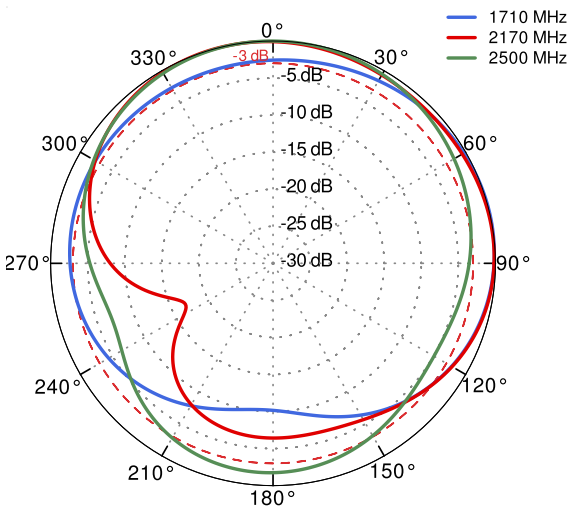
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## 5G/LTE from 1.71GHz to 2.7GHz

ELEVATION

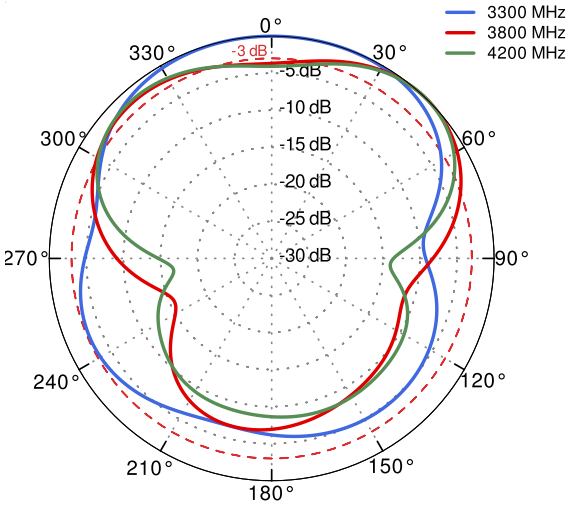



AZIMUTH

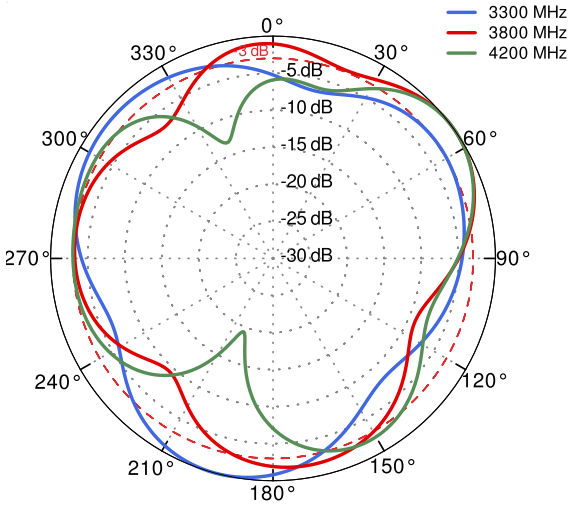



## 5G/LTE from 3.3GHz to 4.2GHz

ELEVATION




AZIMUTH

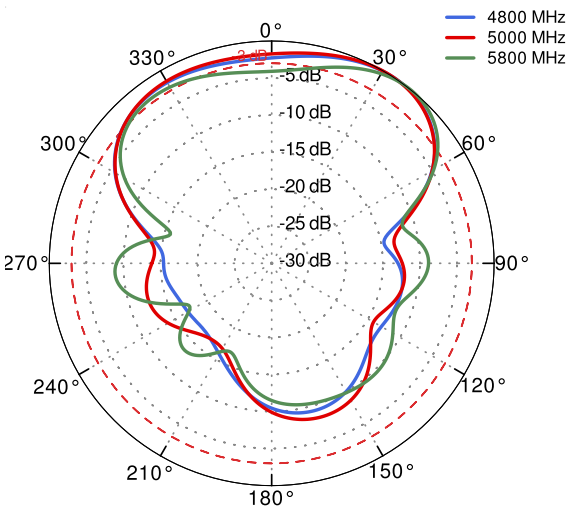




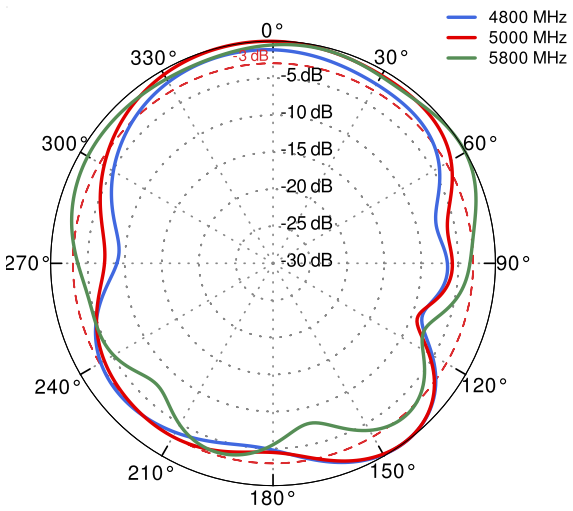
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## 5G/LTE from 4.8GHz to 5.8GHz

ELEVATION

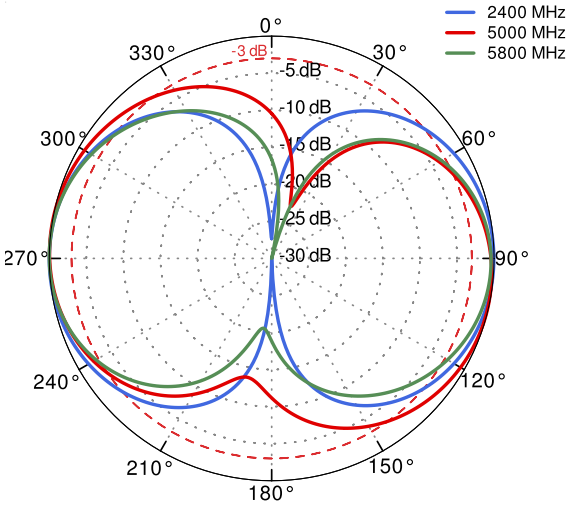



AZIMUTH

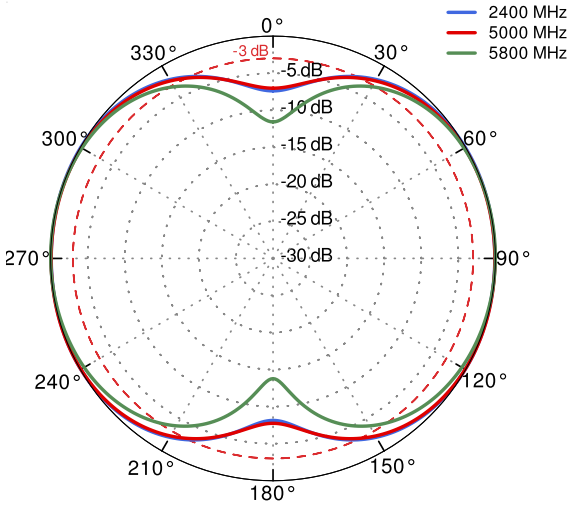



## Wi-Fi V From 2.4 GHz to 6.5 GHz

ELEVATION



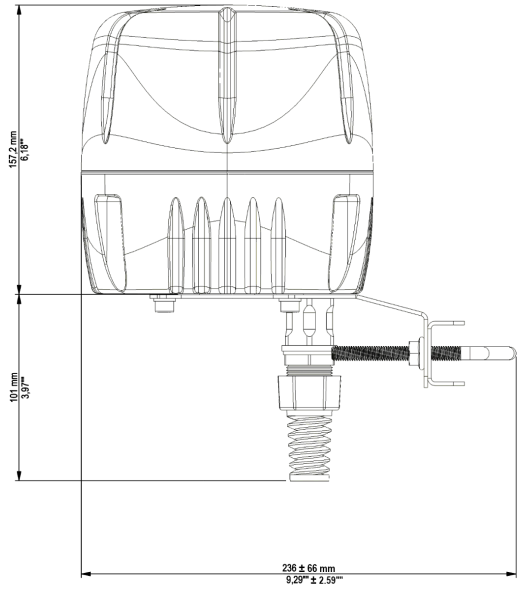

AZIMUTH

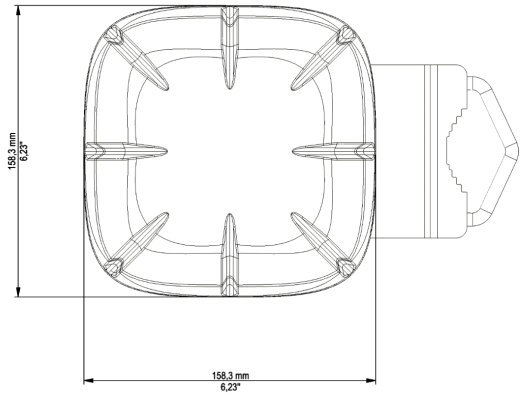





Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

# 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.