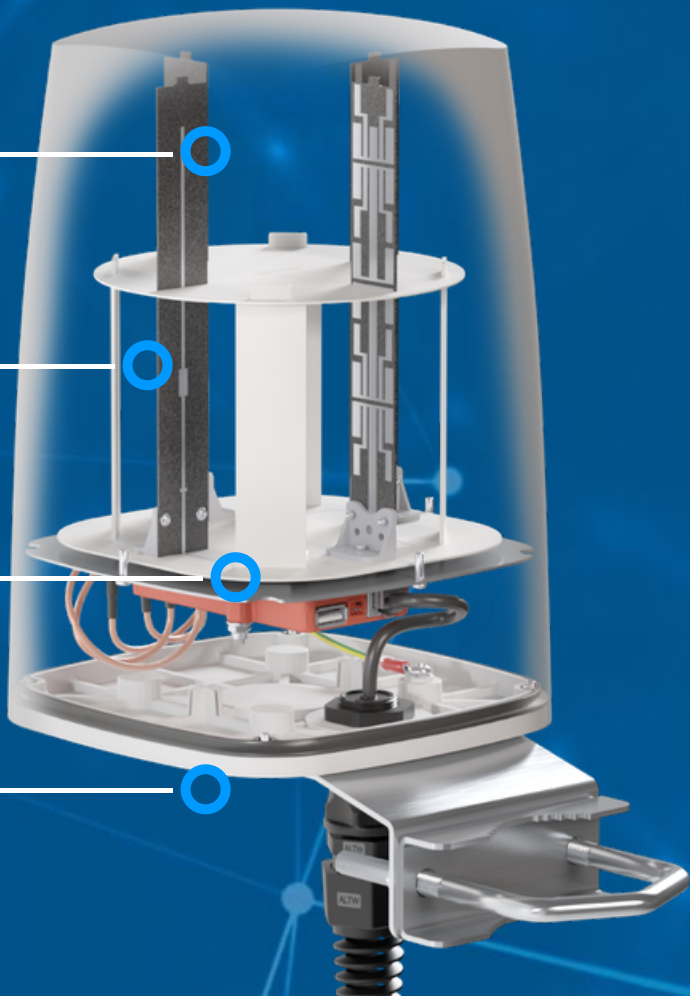
# QuSpot for Rajant Cardinal

## Integrated multi-band WiFi omni antenna + place to install Rajant Cardinal (All-in-one)

The QuSpot for Rajant Cardinal (AG1) is a rugged, all-in-one omnidirectional Wi-Fi antenna built for demanding industrial, automation, agriculture, and logistics environments.
This IP67-rated ASA enclosure protects an electronics compartment and houses high-gain (7dBi) Wi-Fi antennas with MIMO 4x4 capability, ensuring strong, reliable connectivity across diverse applications. Equipped with an RJ45 Ethernet port and flexible mounting options for poles, walls, or masts, the QuSpot is designed to withstand harsh outdoor conditions.
Its complete integrated design simplifies deployment, providing a reliable and efficient connectivity solution in demanding, high-performance settings.

Wi Fi 6E | 7 dBi | OMNI DIRECTIONAL | IP 68 | -40° TO +80°

- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68
- ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER
- WALL OR MAST MOUNTING SYSTEM
- MADE IN **EUROPE**



# WI-FI ANTENNA SPECIFICATION

| | |
|---|---|
| FREQUENCY | 2.40 - 2.50 GHz<br>5.0 - 7.125 GHz |
| GAIN | 2.40 - 2.50 GHz : 6 dBi<br>5.0 - 7.125 GHz : 7.5 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<br>6.3 x 6.3 x 9.45 inch |
| WEIGHT | 1.5 kg<br>3.31 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C<br>From -40°F to 176°F |
| ENCLOSURE RECOMMENDED TIGHTENING TORQUE | 0.5 - 0.7 Nm |
| MAST DIAMETER | 25-66 mm<br>0.98-2.60 inch |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# FREQUENCY BANDS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LTE / 4G GSM | 617 MHz | 5 | 8 | 12 | 13 | 14 | 17 | 18 | 960 MHz |
| | | 19 | 20 | 26 | 27 | 28 | 29 | 44 | |
| | | 67 | 68 | 85 | 103 | n81 | n82 | n83 | |
| | | n89 | 100 | | | | | | |
| LTE / 4G UMTS | 1710 MHz | 1 | 2 | 3 | 4 | 9 | 10 | 25 | 2170 MHz |
| | | 33 | 34 | 35 | 36 | 37 | 39 | n80 | |
| | | n84 | n86 | n95 | n98 | n101 | | | |
| LTE / 4G WCS DARS | 2300 MHz | 30 | 40 | n97 | | | | | 2400 MHz |
| LTE / 4G | 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | | 2700 MHz |


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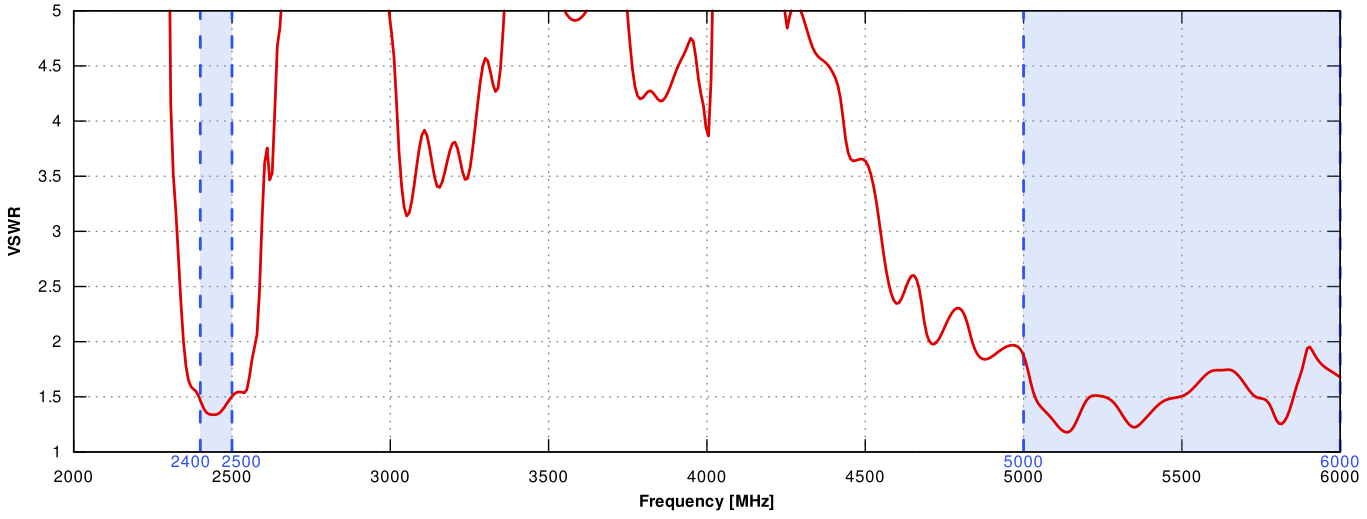
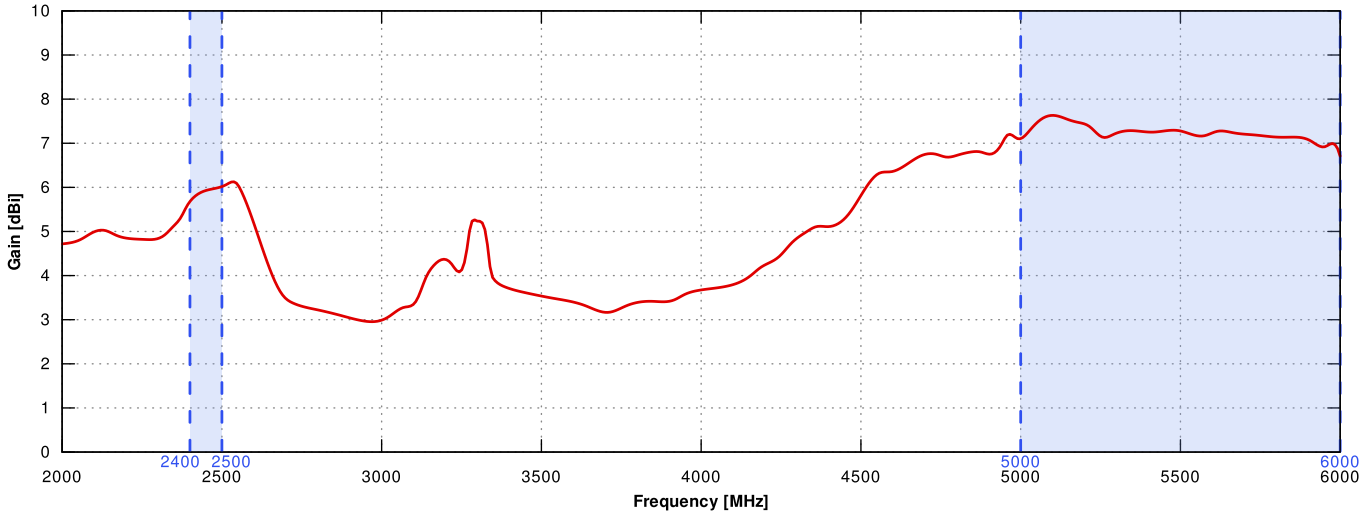
# PLOTS

## VSWR for Wi-Fi antenna




## Gain for Wi-Fi antenna



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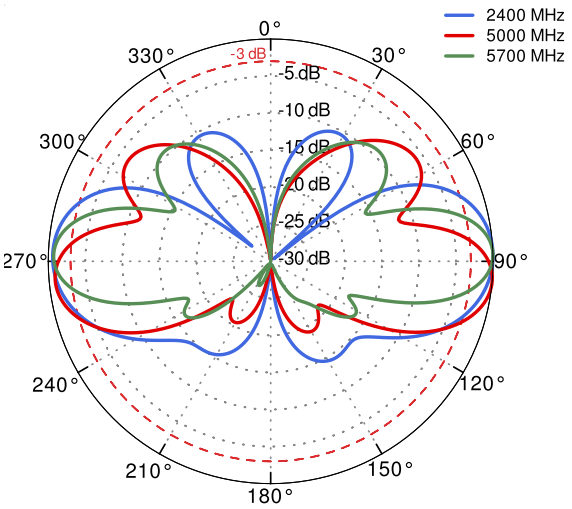
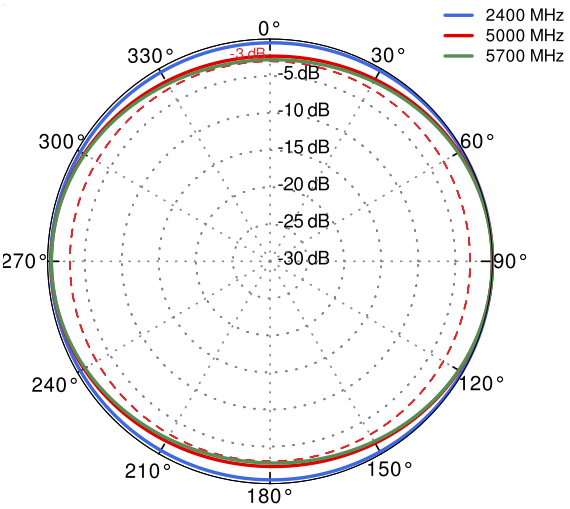
## Wi-Fi 2.4 GHz and 5 GHz and 6GHz

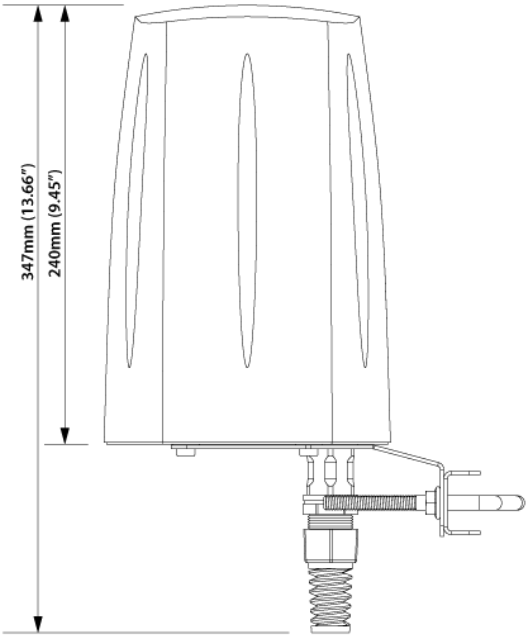
ELEVATION

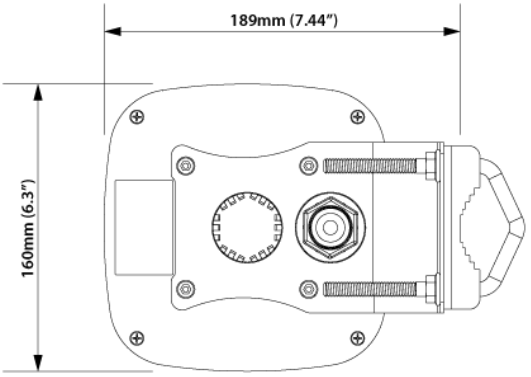



AZIMUTH




# DIMENSIONS

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