# QuPanel XR Box LoRa

## Directional 868+915MHz LoRa outdoor antenna + space for electronics

QuPanel XR Box LoRa operates at 868MHz (EU868, IN865, RU864) and 915MHz (US915, AU915, AS923, KR920) with 12.5dBi gain. Experience unparalleled reach with this high-gain directional antenna. Its advanced design enables your LoRa devices to communicate effectively over long distances, even in challenging outdoor environments. Comparing to omnidirectional antenna, sector antenna transmits signal to a farther distance because of the antenna's directional gain.
The design allows for the installation of LoRaWAN/IoT gateways like SenseCAP M1 inside the antenna housing. Advanced mounting system gives significant advantage that it can be adjusted in the range of +/-35 degrees in two planes, also in case of wall mounting.
Unlock the full potential of your LoRa-based IoT applications with our directional, outdoor LoRa antenna. Experience extended range, reduced interference, and enhanced connectivity for your LoRa networks. Trust in its durability, precision, and ease of installation to elevate the performance of your IoT solutions.

868MHz | 915MHz | 13 dBi | SISO | DIRECTIONAL | HELIUM | IP 67

# ANTENNA SPECIFICATION

| | |
|---|---|
| FREQUENCY | 840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920) |
| GAIN | 12.5 dBi |
| VSWR | <1.80, max <2.00 |
| BEAMWIDTH | 90°/30° ±30° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |
| FRONT TO BACK | >17 dB |

# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| CONNECTOR TYPE | RPSMA |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 270x270x77 mm<br>10.62x10.62x3.03 inch |
| WEIGHT | 1.5 kg<br>3.31 lbs |
| OPERATING TEMPERATURE | From -40°C to 75°C<br>From -40°F to 167°F |

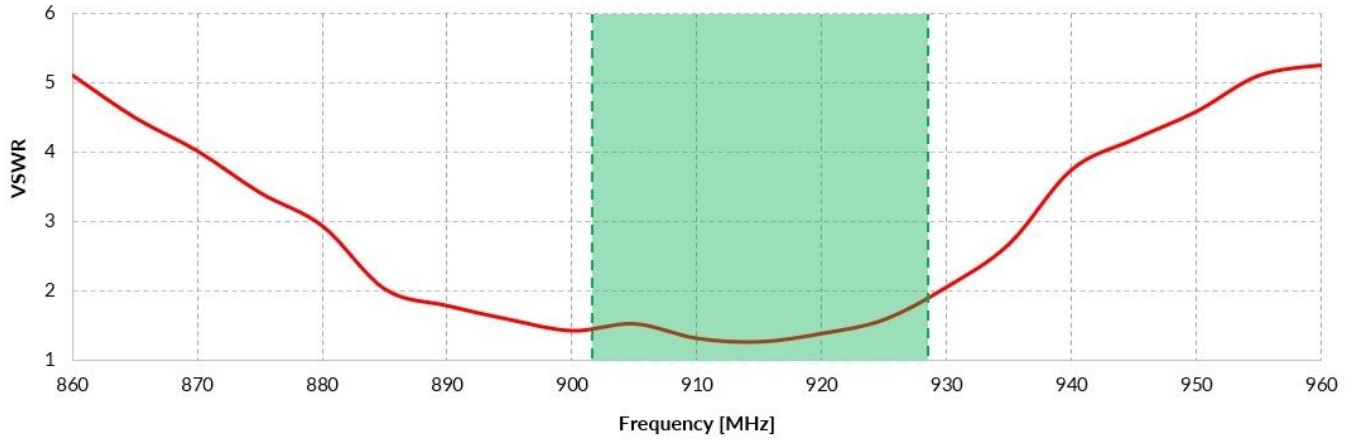
| | |
|---|---|
| MAST DIAMETER | 25-60mm<br>0.98-2.36 inch |

# COMPATIBLE ROUTERS

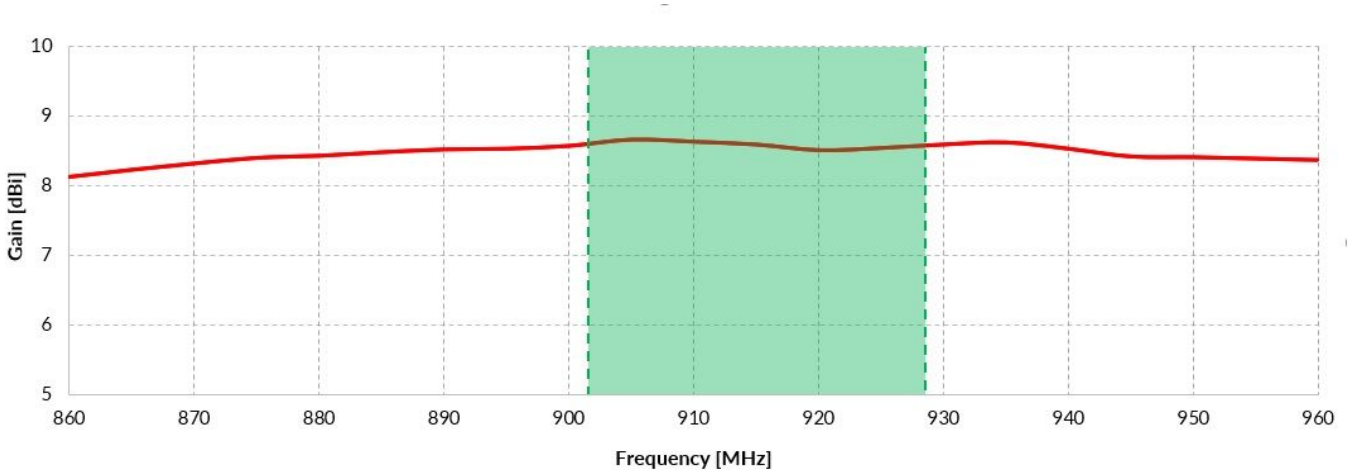
## VARIANT: ASXRDB

# PLOTS

## VSWR

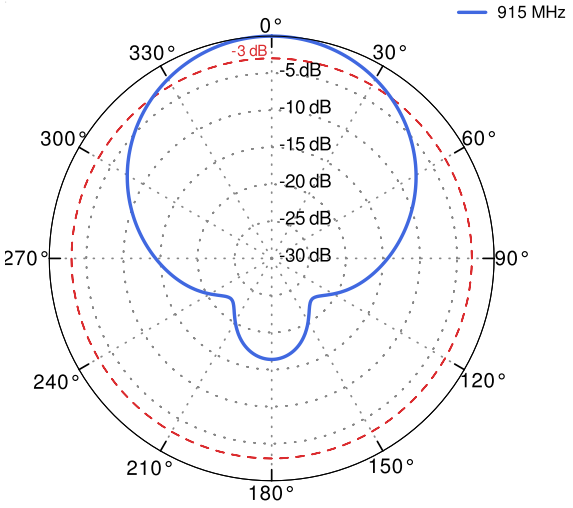


## Gain

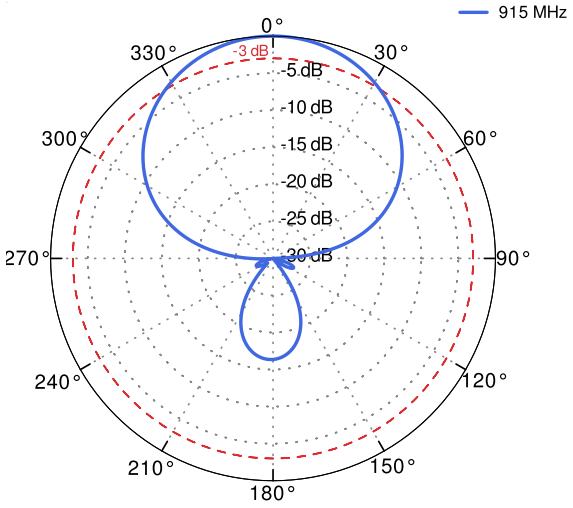



## 915 MHz

ELEVATION




AZIMUTH

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