QuPanel Box LoRa

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

QuPanel Box LoRa operates at 868MHz (EU868, IN865, RU864) and 915MHz (US915, AU915, AS923, KR920) with 8.5dBi gain, making it the perfect choice for extending the reach and reliability of your Long Range (LoRa) wireless communication networks. The outdoor sector antenna is compatible with Helium Network devices like SenseCAP M1 and other IoT Gateways. 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 | 9 dBi | SISO | DIRECTIONAL | HELIUM | IP 67



ANTENNA SPECIFICATION

FREQUENCY	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
GAIN	8.5 dBi
VSWR	<1.80, max <2.00
BEAMWIDTH	75°/75° ±10°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
FRONT TO BACK	>17 dB

MECHANICAL SPECIFICATION

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

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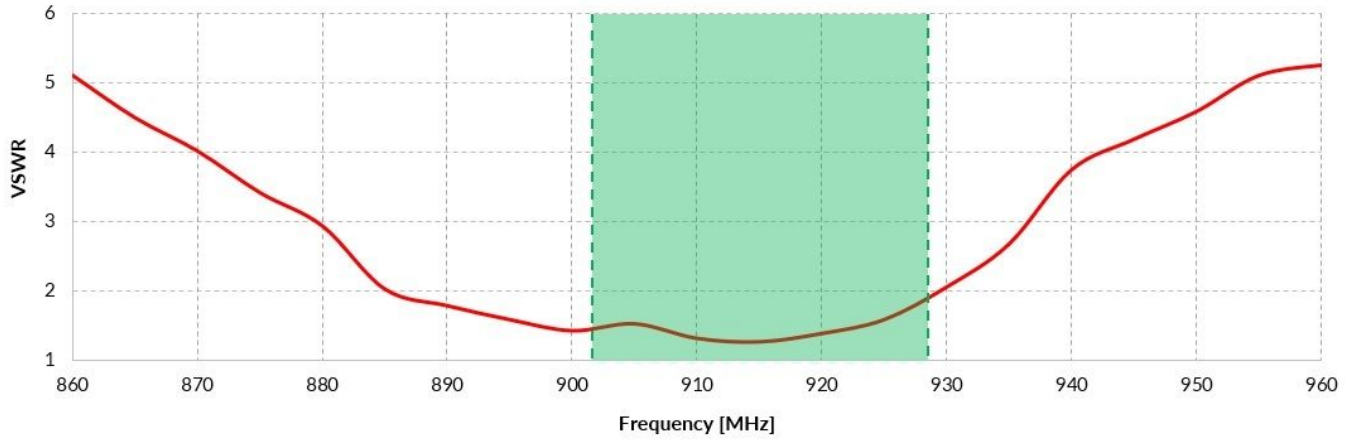
MAST DIAMETER	25-66mm 0.98-2.60 inch

COMPATIBLE ROUTERS

VARIANT: ASDB

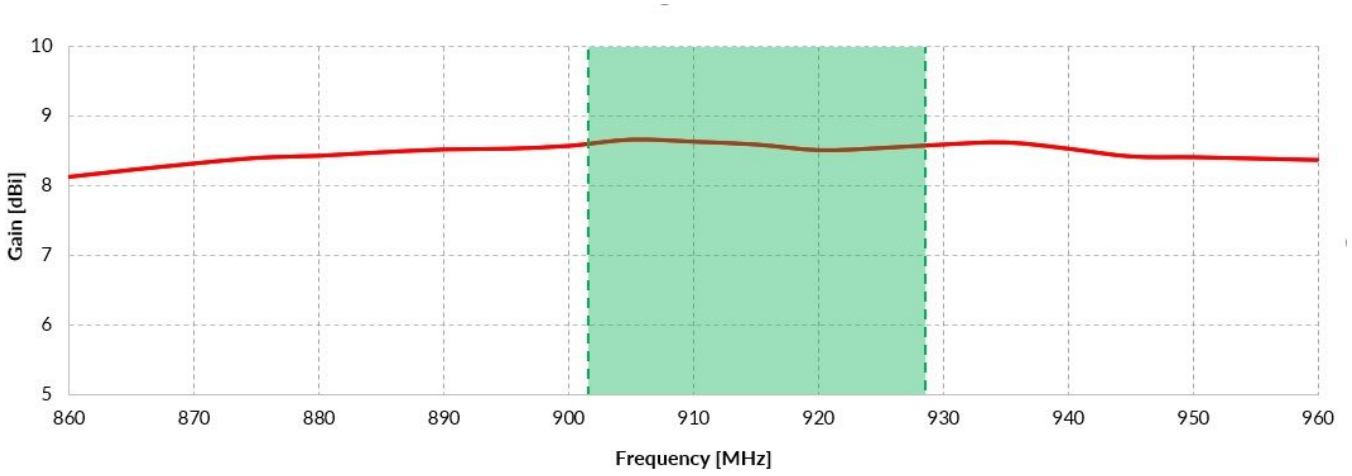
PLOTS

VSWR



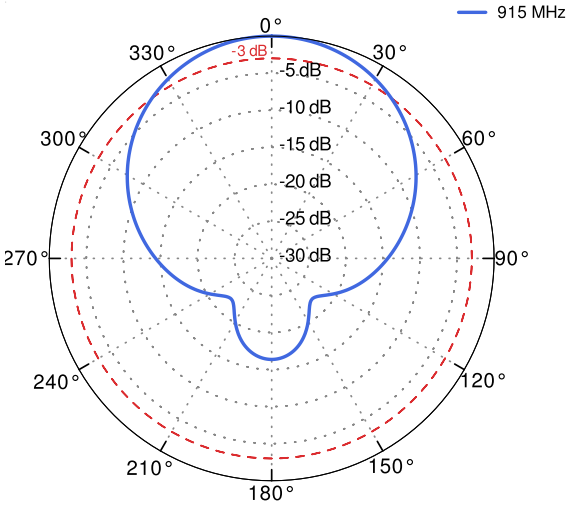
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Gain

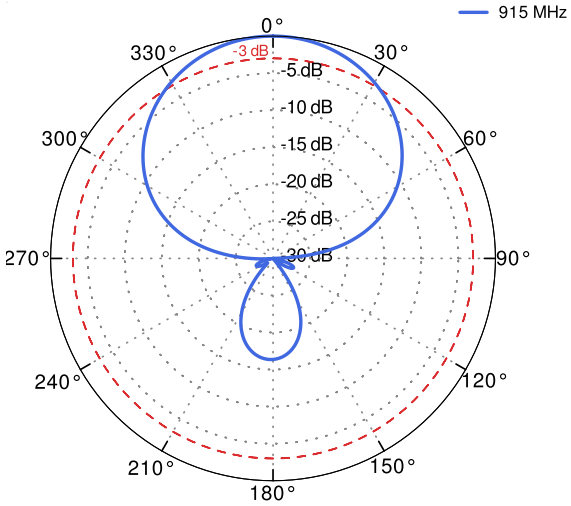


915 MHz

ELEVATION



AZIMUTH



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