

# Dual port Helical Antenna

433 – 435 MHz and 900 - 930 MHz

Product Code: HELI-A0103

VERSION: 1.1

## SPECIFICATIONS:



<b>Electrical:</b>	
Frequency range:	
Band A	433 – 435 MHz
Band B	900 – 930 MHz
Gain:	> 12 dBi (typical)
Beamwidth:	
Band A	35° (typical)
Band B	27° (typical)
Polarisation:	
Band A	RHCP
Band B	RHCP
Nominal impedance:	50 Ω
VSWR:	< 2.0:1
Power handling:	
Band A	100 W CW
Band B	100 W CW
Connector:	2 x N-type female
<b>Mechanical:</b>	
Overall length:	1382 mm
Diameter:	258 mm (Radome) 691 mm (Mounting flange)
Weight:	< 15 kg including bracket
Material:	Aluminium, Stainless steel, Acetal, Fibreglass
Colour	Painted on request
<b>Environmental: designed to meet the following specifications</b>	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP 66

## PRODUCT FEATURES:

- High gain
- High power
- Low VSWR

## PRODUCT OVERVIEW:

HELI-A0103 is a dual port helical spiral, right-hand circularly polarised antenna designed operating in the 433 - 435 MHz and 900 - 930 MHz bands. The antenna provides broad beam coverage without nulls or reduction in performance.

The antenna features a low VSWR and high gain over both operating bands with a light weight, yet robust radome to protect the radiator.

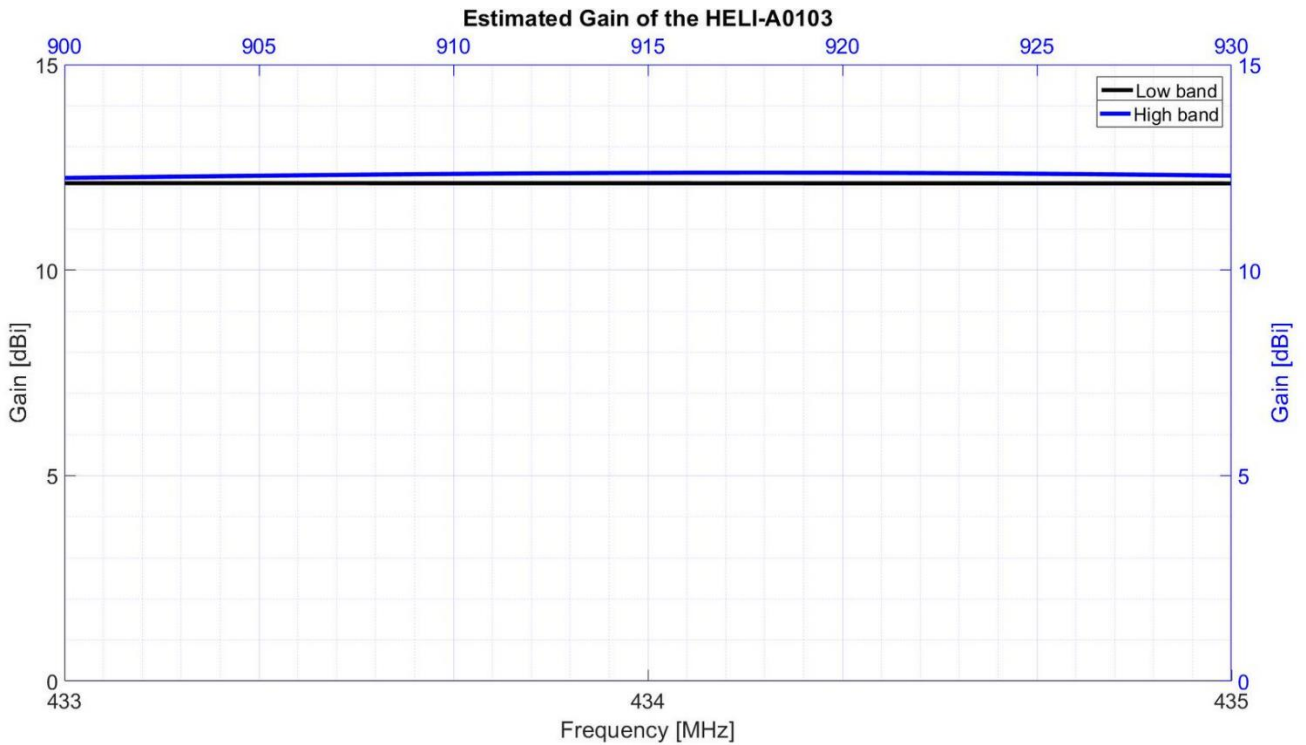
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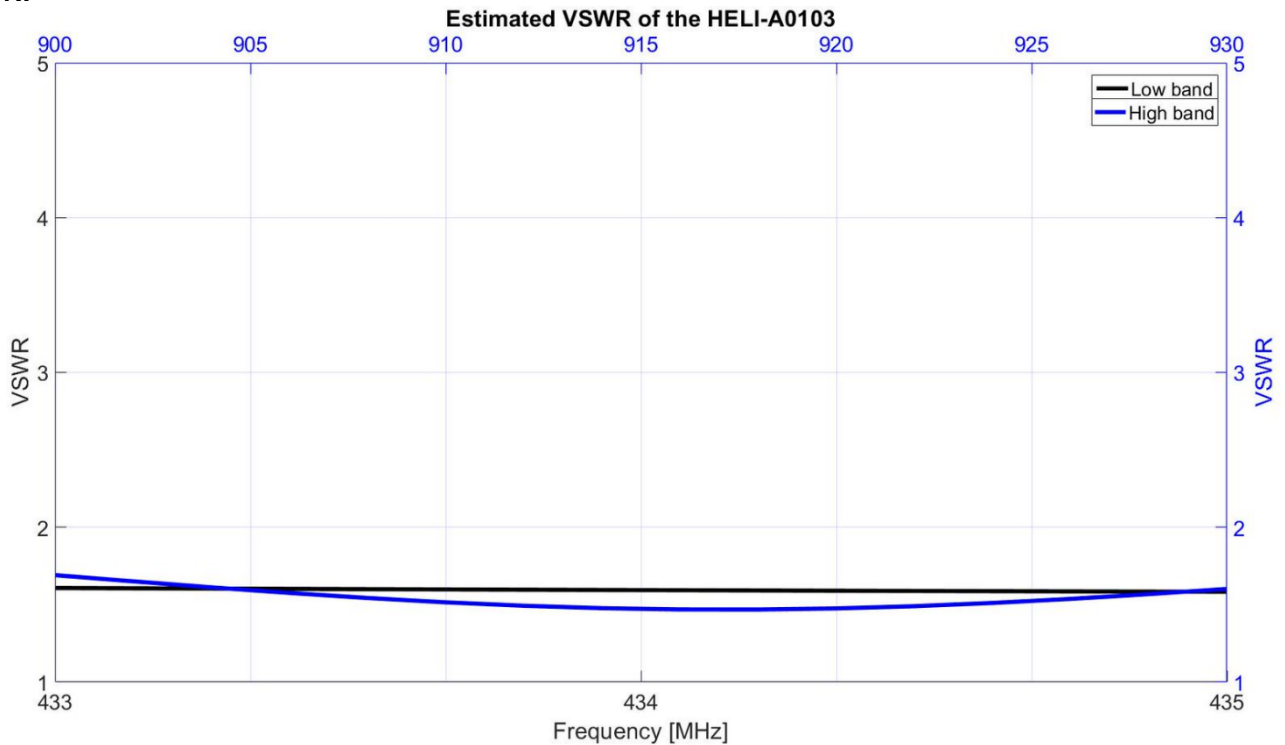
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## Gain:



## VSWR:



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Radiation Patterns:

