

# Dual port Helical Antenna

2400 – 2500 MHz and 5100 – 6000 MHz  
Product Code: HELI-A0105

VERSION: 1.3

## SPECIFICATIONS:



<b>Electrical:</b>	
Frequency range:	
Band A	2400 - 2500 MHz
Band B	5100 - 6000 MHz
Gain:	> 12 dBi (typical)
Beamwidth:	
Band A	37.5° (typical)
Band B	21.8° (typical)
Polarisation:	
Band A	RHCP
Band B	RHCP
Nominal impedance:	50 Ω
VSWR:	< 2.0:1
Power handling:	
Band A	125 W CW
Band B	125 W CW
Connector:	2 x N-type female
<b>Mechanical:</b>	
Overall length:	386 mm
Diameter:	44 mm (Radome) 136 mm (Mounting flange)
Weight:	< 1 kg including bracket
Material:	Aluminium, Stainless steel, Acetal, Fibreglass
Colour	Per 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-A0105 is a dual port helical spiral, right-hand circularly polarised antenna designed operating in the 2400 - 2500 MHz and 5100 - 6000 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.

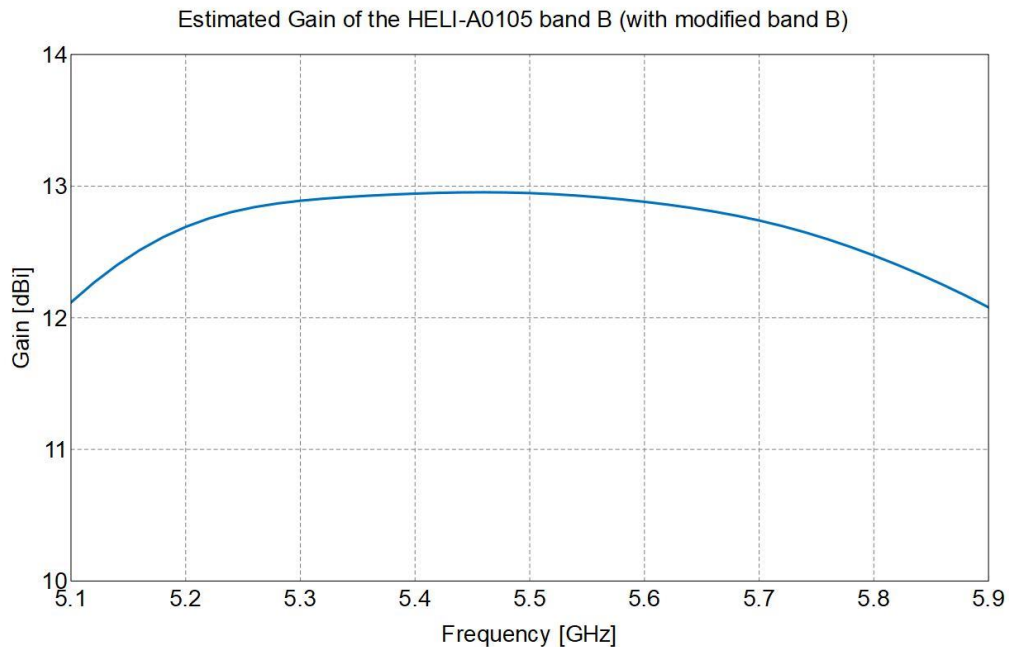
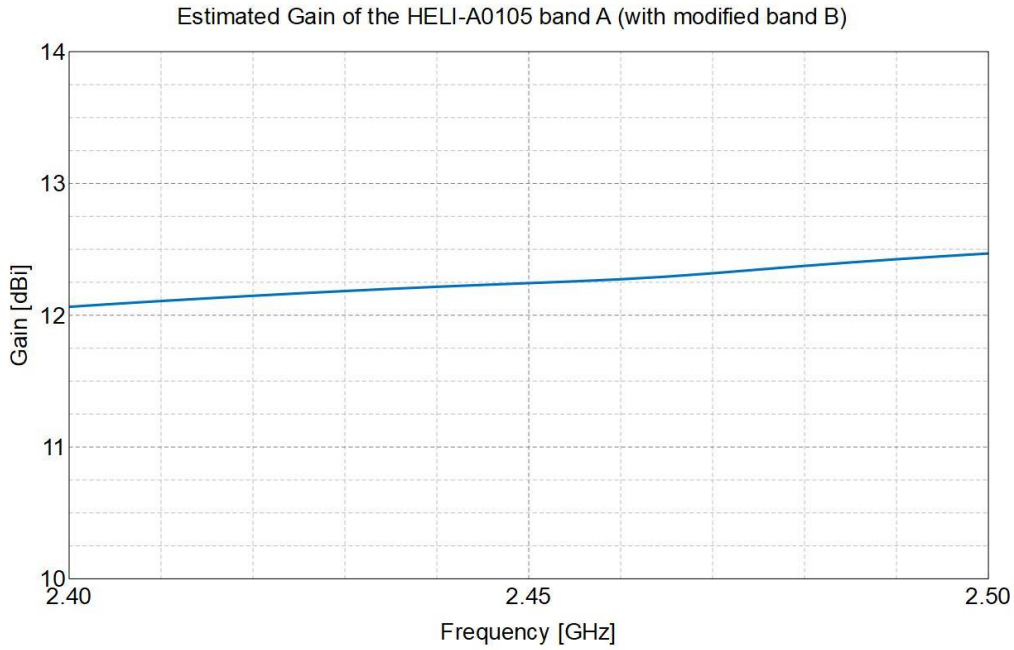
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Gain:



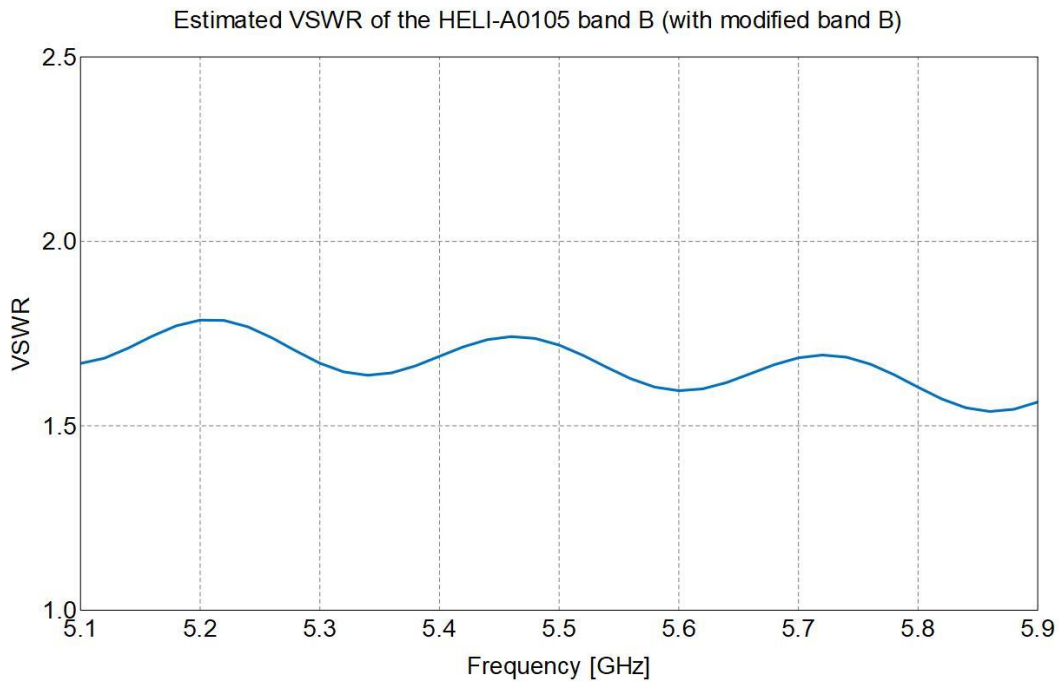
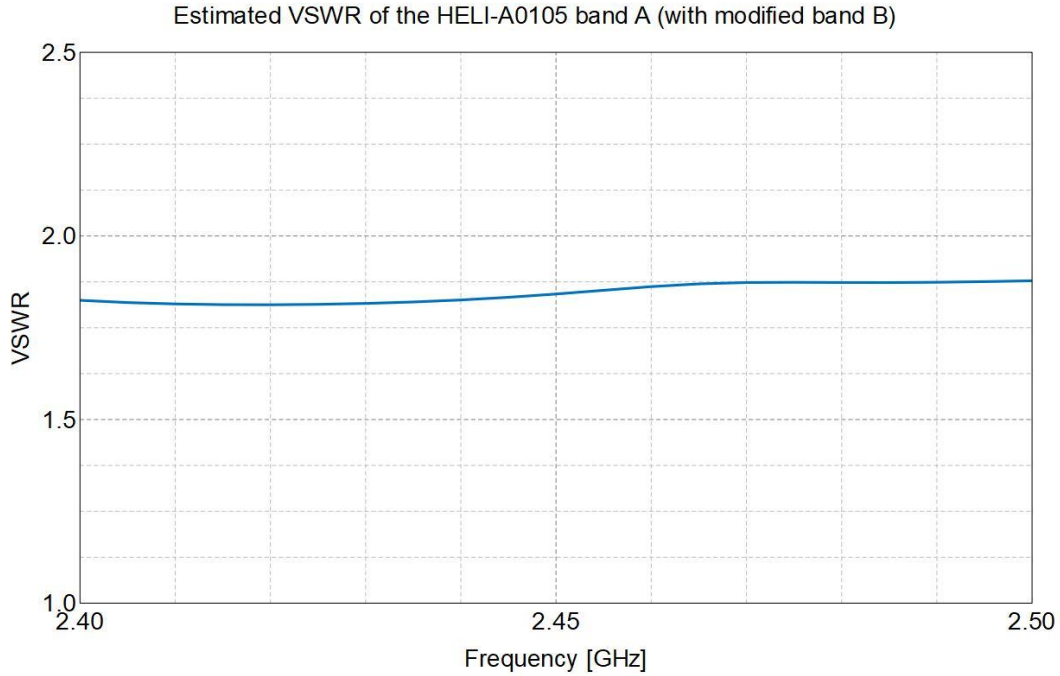
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VSWR:



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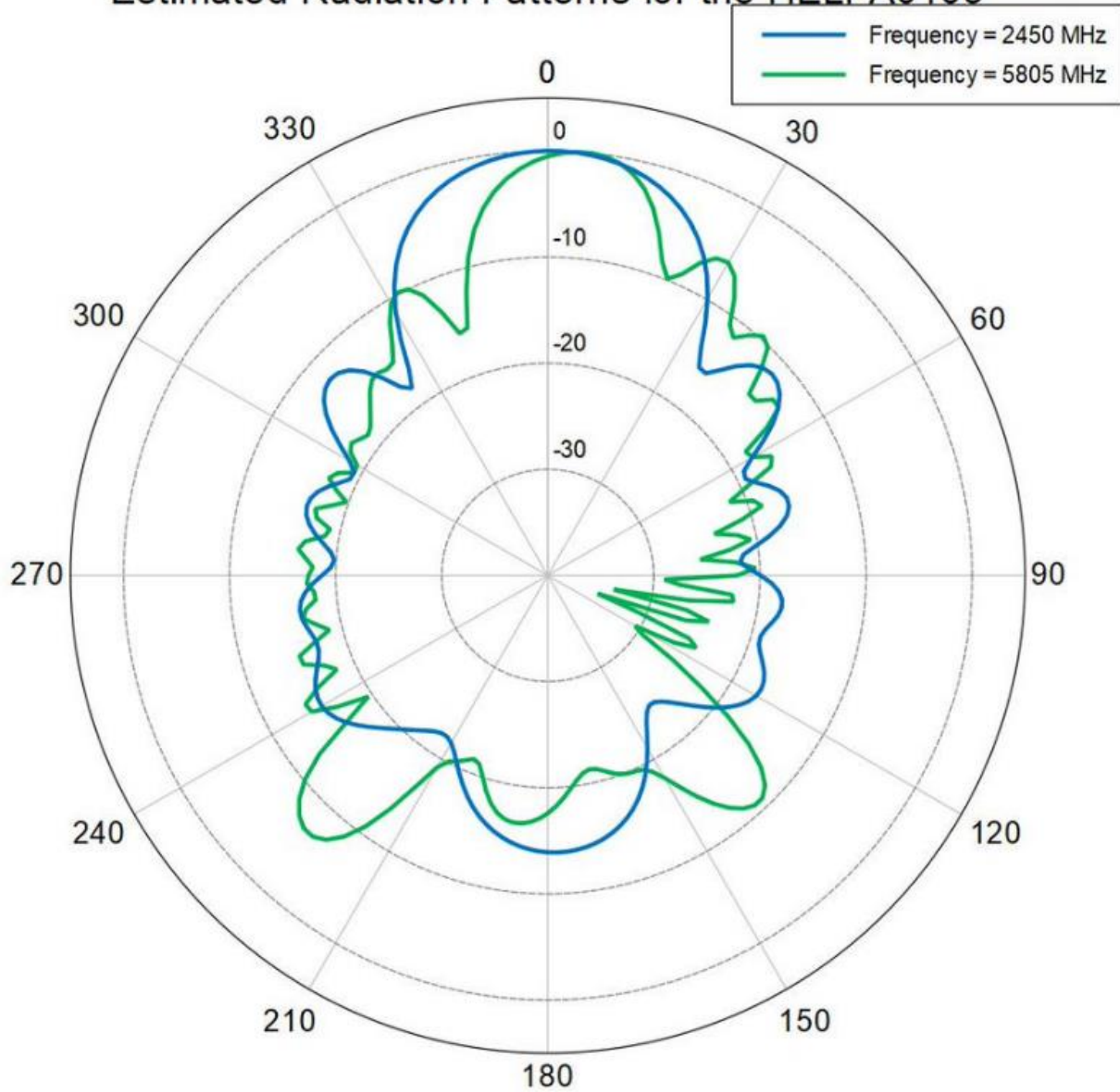
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Radiation Patterns:

### Estimated Radiation Patterns for the HELI-A0105



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Mechanical Outline Drawing:

